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Hierarchical Regression

Hierarchical Regression

Import data

Hierarchical Regression Variable Preparation

Hierarchical Regression Variable Preparation
Create dummy predictors for regression blocks

Hierarchical Regression Prepared Data Summary

Hierarchical Regression Prepared Data Summary
Outcome, block variables, and usable cases

Frequencies

[HierarchicalRegressionData] D:\DATA ANALYSIS\H Regression Tests and Models\Hierarchical Regression\SPSS_Output\sav\Hierarchical-Regression-data.sav

Statistics

		School dummy: 1 = MS, 0 = GP	Sex dummy: 1 = male, 0 = female	Address dummy: 1 = urban, 0 = rural	Family size dummy: 1 = LE3, 0 = GT3	Parent cohabitation dummy: 1 = together
N	Valid	649	649	649	649	649
	Missing	0	0	0	0	0

Statistics

		School support dummy: yes	Family support dummy: yes	Paid classes dummy: yes	Activities dummy: yes	Nursery school dummy: yes
N	Valid	649	649	649	649	649
	Missing	0	0	0	0	0

Statistics

		Higher education intention dummy: yes	Internet access dummy: yes	Romantic relationship dummy: yes
N	Valid	649	649	649
	Missing	0	0	0

Frequency Table

School dummy: 1 = MS, 0 = GP

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No / reference	423	65.2	65.2	65.2
	Yes / target	226	34.8	34.8	100.0
	Total	649	100.0	100.0	

Hierarchical Regression Prepared Data Summary
Outcome, block variables, and usable cases

Sex dummy: 1 = male, 0 = female

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No / reference	383	59.0	59.0	59.0
	Yes / target	266	41.0	41.0	100.0
	Total	649	100.0	100.0	

Address dummy: 1 = urban, 0 = rural

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No / reference	197	30.4	30.4	30.4
	Yes / target	452	69.6	69.6	100.0
	Total	649	100.0	100.0	

Family size dummy: 1 = LE3, 0 = GT3

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No / reference	457	70.4	70.4	70.4
	Yes / target	192	29.6	29.6	100.0
	Total	649	100.0	100.0	

Parent cohabitation dummy: 1 = together

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No / reference	80	12.3	12.3	12.3
	Yes / target	569	87.7	87.7	100.0
	Total	649	100.0	100.0	

School support dummy: yes

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No / reference	581	89.5	89.5	89.5
	Yes / target	68	10.5	10.5	100.0
	Total	649	100.0	100.0	

Hierarchical Regression Prepared Data Summary
Outcome, block variables, and usable cases

Family support dummy: yes

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No / reference	251	38.7	38.7	38.7
	Yes / target	398	61.3	61.3	100.0
	Total	649	100.0	100.0	

Paid classes dummy: yes

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No / reference	610	94.0	94.0	94.0
	Yes / target	39	6.0	6.0	100.0
	Total	649	100.0	100.0	

Activities dummy: yes

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No / reference	334	51.5	51.5	51.5
	Yes / target	315	48.5	48.5	100.0
	Total	649	100.0	100.0	

Nursery school dummy: yes

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No / reference	128	19.7	19.7	19.7
	Yes / target	521	80.3	80.3	100.0
	Total	649	100.0	100.0	

Higher education intention dummy: yes

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No / reference	69	10.6	10.6	10.6
	Yes / target	580	89.4	89.4	100.0
	Total	649	100.0	100.0	

Hierarchical Regression Prepared Data Summary
Outcome, block variables, and usable cases

Internet access dummy: yes

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No / reference	151	23.3	23.3	23.3
	Yes / target	498	76.7	76.7	100.0
	Total	649	100.0	100.0	

Romantic relationship dummy: yes

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No / reference	410	63.2	63.2	63.2
	Yes / target	239	36.8	36.8	100.0
	Total	649	100.0	100.0	

Descriptives

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Outcome variable: final grade	649	0	19	11.91	3.231
First period grade	649	0	19	11.40	2.745
Second period grade	649	0	19	11.57	2.914
Student age	649	15	22	16.74	1.218
Weekly study time group	649	1	4	1.93	.830
Number of past class failures	649	0	3	.22	.593
School absences	649	0	32	3.66	4.641
Mother education	649	0	4	2.51	1.135
Father education	649	0	4	2.31	1.100
Home to school travel time	649	1	4	1.57	.749
Family relationship quality	649	1	5	3.93	.956
Free time after school	649	1	5	3.18	1.051

Hierarchical Regression Prepared Data Summary
Outcome, block variables, and usable cases

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Going out with friends	649	1	5	3.18	1.176
Workday alcohol consumption	649	1	5	1.50	.925
Weekend alcohol consumption	649	1	5	2.28	1.284
Current health status	649	1	5	3.54	1.446
Valid N (listwise)	649				

Outcome Distribution Before Hierarchical Regression

Outcome Distribution Before Hierarchical Regression
Final grade distribution and normality context

Explore

Case Processing Summary

	Valid		Cases Missing		Total	
	N	Percent	N	Percent	N	Percent
Outcome variable: final grade	649	100.0%	0	0.0%	649	100.0%

Descriptives

		Statistic	Std. Error
Outcome variable: final grade	Mean	11.91	.127
	95% Confidence Interval for Mean	Lower Bound	11.66
		Upper Bound	12.16
	5% Trimmed Mean	12.06	
	Median	12.00	
	Variance	10.437	
	Std. Deviation	3.231	
	Minimum	0	
	Maximum	19	
	Range	19	
	Interquartile Range	4	
	Skewness	-.913	.096
	Kurtosis	2.712	.192

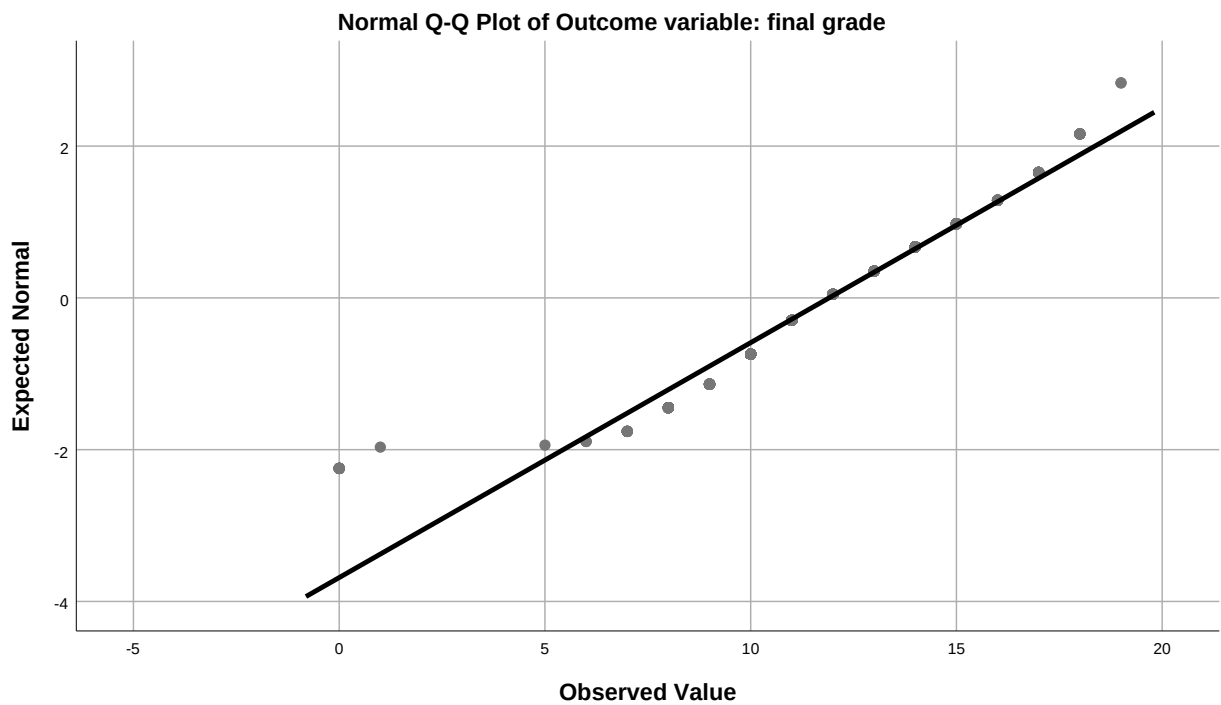
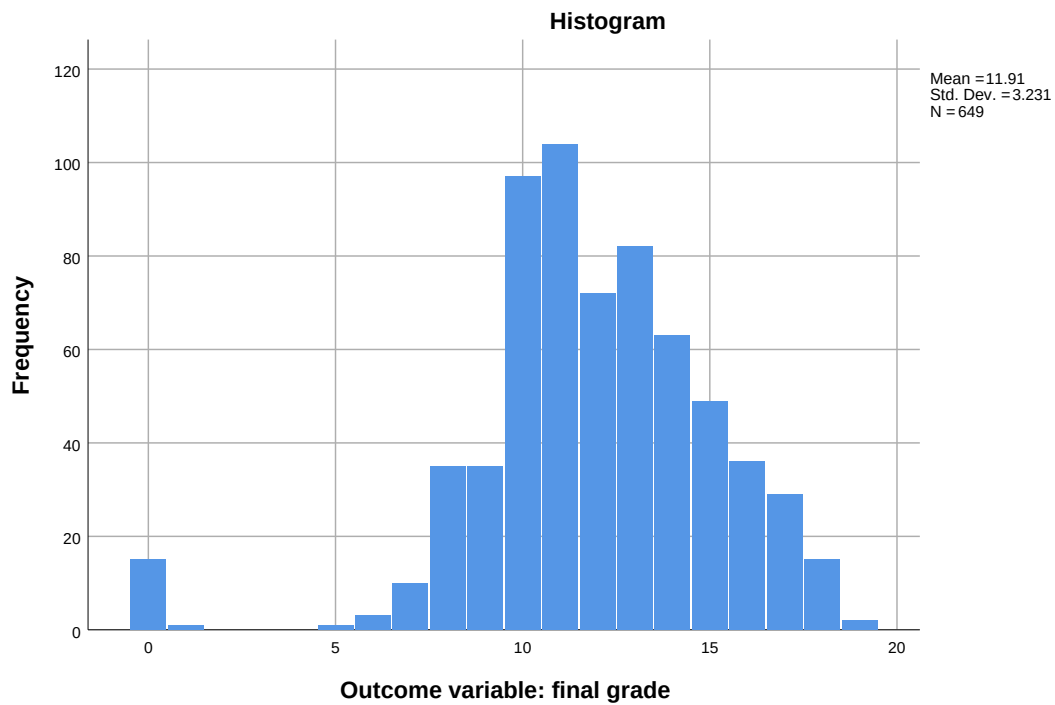
Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Outcome variable: final grade	.124	649	.000	.926	649	.000

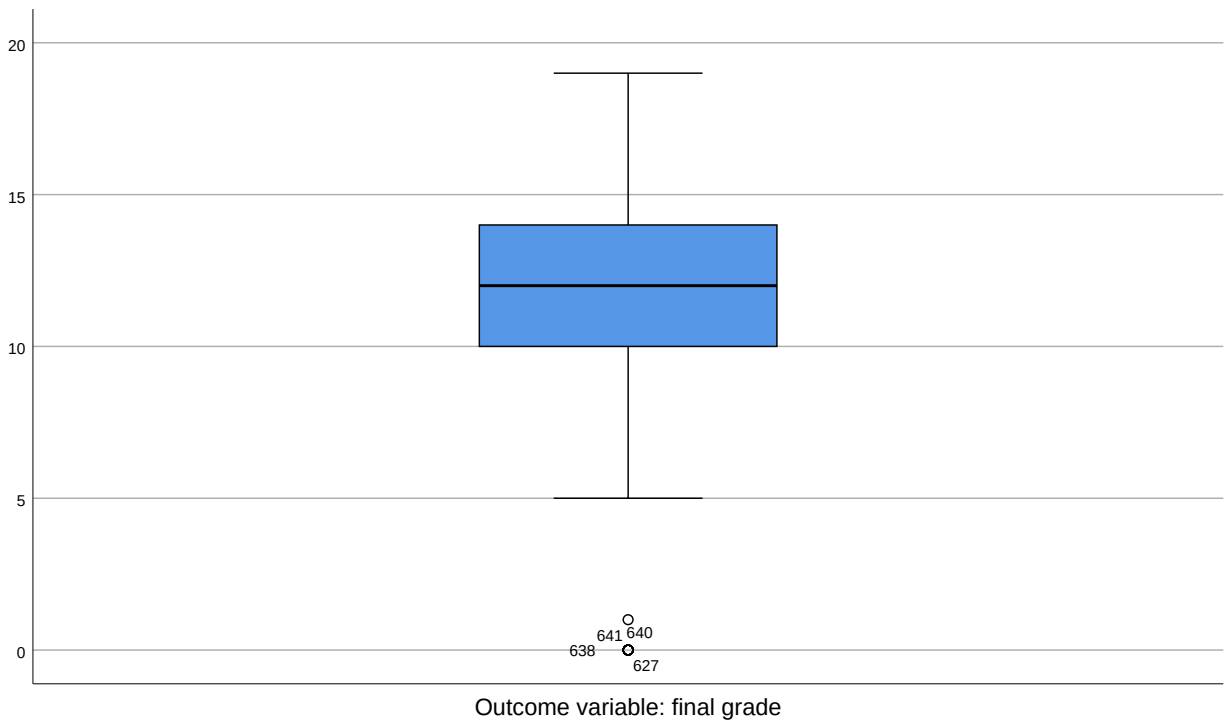
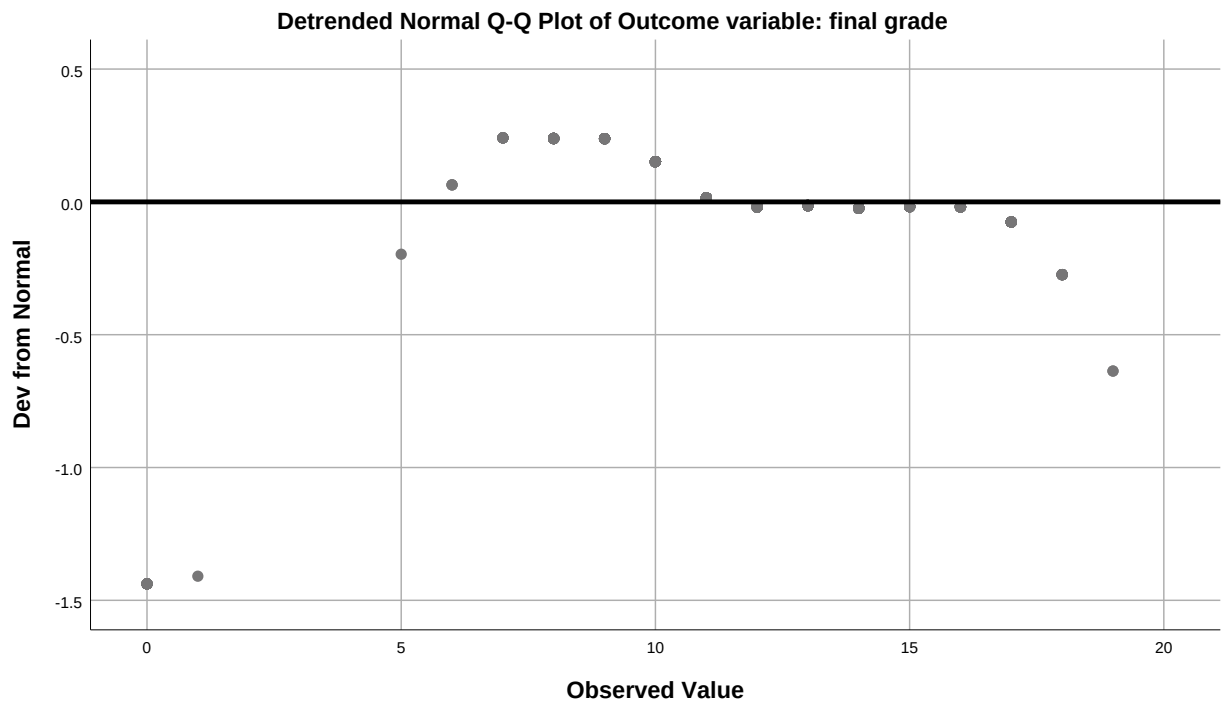
a. Lilliefors Significance Correction

Outcome variable: final grade

Outcome Distribution Before Hierarchical Regression
Final grade distribution and normality context



Outcome Distribution Before Hierarchical Regression
Final grade distribution and normality context



Hierarchical Regression Main Block Test

>Warning # 2004. Command name: SUBTITLE

>The subtitle given exceeds 60 characters in length. The first 60 characters
>will be used.

Hierarchical Regression Main Block Test
Block 1 background , Block 2 achievement, Block 3 family supp

Regression

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	Parent cohabitation dummy: 1 = together, Student age, Sex dummy: 1 = male, 0 = female, Address dummy: 1 = urban, 0 = rural, Family size dummy: 1 = LE3, 0 = GT3, School dummy: 1 = MS, 0 = GP ^b	.	Enter

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
2	Weekly study time group, School absences, Number of past class failures, Second period grade, First period grade ^b	.	Enter

Hierarchical Regression Main Block Test
Block 1 background , Block 2 achievement, Block 3 family supp

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
3	Nursery school dummy: yes, Paid classes dummy: yes, Going out with friends, Current health status, Family relationship quality, Activities dummy: yes, Family support dummy: yes, Romantic relationship dummy: yes, School support dummy: yes, Internet access dummy: yes, Father education, Home to school travel time, Free time after school, Workday alcohol consumption, Higher education intention dummy: yes, Mother education, Weekend alcohol consumption ^b	.	Enter

Hierarchical Regression Main Block Test
Block 1 background , Block 2 achievement, Block 3 family supp

- a. Dependent Variable: Outcome variable: final grade
b. All requested variables entered.

Model Summary^d

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics		
					R Square Change	F Change	df1
1	.350 ^a	.123	.114	3.040	.123	14.960	6
2	.923 ^b	.852	.850	1.252	.730	629.772	5
3	.925 ^c	.856	.850	1.252	.004	.990	17

Model Summary^d

Model	Change Statistics	
	df2	Sig. F Change
1	642	.000
2	637	.000
3	620	.467

- a. Predictors: (Constant), Parent cohabitation dummy: 1 = together, Student age, Sex dummy: 1 = male, 0 = female, Address dummy: 1 = urban, 0 = rural, Family size dummy: 1 = LE3, 0 = GT3, School dummy: 1 = MS, 0 = GP
- b. Predictors: (Constant), Parent cohabitation dummy: 1 = together, Student age, Sex dummy: 1 = male, 0 = female, Address dummy: 1 = urban, 0 = rural, Family size dummy: 1 = LE3, 0 = GT3, School dummy: 1 = MS, 0 = GP, Weekly study time group, School absences, Number of past class failures, Second period grade, First period grade
- c. Predictors: (Constant), Parent cohabitation dummy: 1 = together, Student age, Sex dummy: 1 = male, 0 = female, Address dummy: 1 = urban, 0 = rural, Family size dummy: 1 = LE3, 0 = GT3, School dummy: 1 = MS, 0 = GP, Weekly study time group, School absences, Number of past class failures, Second period grade, First period grade, Nursery school dummy: yes, Paid classes dummy: yes, Going out with friends, Current health status, Family relationship quality, Activities dummy: yes, Family support dummy: yes, Romantic relationship dummy: yes, School support dummy: yes, Internet access dummy: yes, Father education, Home to school travel time, Free time after school, Workday alcohol consumption, Higher education intention dummy: yes, Mother education, Weekend alcohol consumption
- d. Dependent Variable: Outcome variable: final grade

Hierarchical Regression Main Block Test
Block 1 background , Block 2 achievement, Block 3 family supp

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	829.619	6	138.270	14.960	.000 ^b
	Residual	5933.648	642	9.242		
	Total	6763.267	648			
2	Regression	5764.885	11	524.080	334.380	.000 ^c
	Residual	998.382	637	1.567		
	Total	6763.267	648			
3	Regression	5791.274	28	206.831	131.930	.000 ^d
	Residual	971.993	620	1.568		
	Total	6763.267	648			

- a. Dependent Variable: Outcome variable: final grade
- b. Predictors: (Constant), Parent cohabitation dummy: 1 = together, Student age, Sex dummy: 1 = male, 0 = female, Address dummy: 1 = urban, 0 = rural, Family size dummy: 1 = LE3, 0 = GT3, School dummy: 1 = MS, 0 = GP
- c. Predictors: (Constant), Parent cohabitation dummy: 1 = together, Student age, Sex dummy: 1 = male, 0 = female, Address dummy: 1 = urban, 0 = rural, Family size dummy: 1 = LE3, 0 = GT3, School dummy: 1 = MS, 0 = GP, Weekly study time group, School absences, Number of past class failures, Second period grade, First period grade
- d. Predictors: (Constant), Parent cohabitation dummy: 1 = together, Student age, Sex dummy: 1 = male, 0 = female, Address dummy: 1 = urban, 0 = rural, Family size dummy: 1 = LE3, 0 = GT3, School dummy: 1 = MS, 0 = GP, Weekly study time group, School absences, Number of past class failures, Second period grade, First period grade, Nursery school dummy: yes, Paid classes dummy: yes, Going out with friends, Current health status, Family relationship quality, Activities dummy: yes, Family support dummy: yes, Romantic relationship dummy: yes, School support dummy: yes, Internet access dummy: yes, Father education, Home to school travel time, Free time after school, Workday alcohol consumption, Higher education intention dummy: yes, Mother education, Weekend alcohol consumption

Hierarchical Regression Main Block Test
Block 1 background , Block 2 achievement, Block 3 family supp

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	16.016	1.710		9.367	.000
	Student age	-.234	.098	-.088	-2.375	.018
	School dummy: 1 = MS, 0 = GP	-1.805	.270	-.266	-6.688	.000
	Sex dummy: 1 = male, 0 = female	-1.096	.246	-.167	-4.454	.000
	Address dummy: 1 = urban, 0 = rural	.532	.279	.076	1.906	.057
	Family size dummy: 1 = LE3, 0 = GT3	.521	.272	.074	1.918	.056
	Parent cohabitation dummy: 1 = together	.411	.377	.042	1.090	.276
2	(Constant)	-.162	.789		-.206	.837
	Student age	.024	.044	.009	.540	.590
	School dummy: 1 = MS, 0 = GP	-.171	.118	-.025	-1.444	.149
	Sex dummy: 1 = male, 0 = female	-.205	.105	-.031	-1.958	.051
	Address dummy: 1 = urban, 0 = rural	.090	.115	.013	.781	.435
	Family size dummy: 1 = LE3, 0 = GT3	.050	.112	.007	.446	.656
	Parent cohabitation dummy: 1 = together	-.089	.156	-.009	-.567	.571
	First period grade	.132	.037	.112	3.588	.000
	Second period grade	.880	.034	.794	25.735	.000
	Weekly study time group	.062	.063	.016	.972	.331
	Number of past class failures	-.224	.095	-.041	-2.357	.019
	School absences	.017	.011	.024	1.500	.134
3	(Constant)	-.070	.922		-.076	.939
	Student age	.040	.046	.015	.861	.390
	School dummy: 1 = MS, 0 = GP	-.217	.124	-.032	-1.755	.080

Hierarchical Regression Main Block Test
Block 1 background , Block 2 achievement, Block 3 family supp

Coefficients^a

Model		95.0% Confidence Interval for B	
		Lower Bound	Upper Bound
1	(Constant)	12.658	19.373
	Student age	-.427	-.041
	School dummy: 1 = MS, 0 = GP	-2.336	-1.275
	Sex dummy: 1 = male, 0 = female	-1.579	-.613
	Address dummy: 1 = urban, 0 = rural	-.016	1.079
	Family size dummy: 1 = LE3, 0 = GT3	-.012	1.054
	Parent cohabitation dummy: 1 = together	-.329	1.151
2	(Constant)	-1.712	1.388
	Student age	-.062	.109
	School dummy: 1 = MS, 0 = GP	-.404	.062
	Sex dummy: 1 = male, 0 = female	-.410	.001
	Address dummy: 1 = urban, 0 = rural	-.136	.316
	Family size dummy: 1 = LE3, 0 = GT3	-.171	.271
	Parent cohabitation dummy: 1 = together	-.396	.219
	First period grade	.060	.204
	Second period grade	.813	.947
	Weekly study time group	-.063	.186
	Number of past class failures	-.411	-.037
	School absences	-.005	.039
3	(Constant)	-1.881	1.740
	Student age	-.051	.131
	School dummy: 1 = MS, 0 = GP	-.460	.026

Hierarchical Regression Main Block Test
Block 1 background , Block 2 achievement, Block 3 family supp

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
	Sex dummy: 1 = male, 0 = female	-.136	.117	-.021	-1.165	.245
	Address dummy: 1 = urban, 0 = rural	.147	.121	.021	1.213	.226
	Family size dummy: 1 = LE3, 0 = GT3	.050	.114	.007	.434	.664
	Parent cohabitation dummy: 1 = together	-.108	.159	-.011	-.675	.500
	First period grade	.124	.037	.105	3.299	.001
	Second period grade	.875	.035	.789	25.101	.000
	Weekly study time group	.044	.065	.011	.670	.503
	Number of past class failures	-.221	.097	-.041	-2.263	.024
	School absences	.015	.012	.021	1.281	.201
	Mother education	-.052	.061	-.018	-.849	.396
	Father education	.031	.060	.011	.518	.604
	Home to school travel time	.146	.073	.034	1.994	.047
	Family relationship quality	-.036	.054	-.011	-.665	.506
	Free time after school	-.031	.052	-.010	-.589	.556
	Going out with friends	-.020	.050	-.007	-.412	.681
	Workday alcohol consumption	-.070	.070	-.020	-1.001	.317
	Weekend alcohol consumption	-.018	.054	-.007	-.330	.742
	Current health status	-.042	.035	-.019	-1.192	.234
	School support dummy: yes	-.223	.171	-.021	-1.303	.193
	Family support dummy: yes	.145	.106	.022	1.372	.171
	Paid classes dummy: yes	-.172	.214	-.013	-.804	.422
	Activities dummy: yes	.035	.103	.005	.344	.731
	Nursery school dummy: yes	-.088	.127	-.011	-.698	.485

Hierarchical Regression Main Block Test
Block 1 background , Block 2 achievement, Block 3 family supp

Coefficients^a

Model		95.0% Confidence Interval for B	
		Lower Bound	Upper Bound
	Sex dummy: 1 = male, 0 = female	-.365	.093
	Address dummy: 1 = urban, 0 = rural	-.091	.385
	Family size dummy: 1 = LE3, 0 = GT3	-.175	.274
	Parent cohabitation dummy: 1 = together	-.420	.205
	First period grade	.050	.197
	Second period grade	.806	.943
	Weekly study time group	-.084	.172
	Number of past class failures	-.412	-.029
	School absences	-.008	.038
	Mother education	-.172	.068
	Father education	-.087	.149
	Home to school travel time	.002	.291
	Family relationship quality	-.142	.070
	Free time after school	-.133	.072
	Going out with friends	-.118	.077
	Workday alcohol consumption	-.208	.068
	Weekend alcohol consumption	-.125	.089
	Current health status	-.112	.027
	School support dummy: yes	-.559	.113
	Family support dummy: yes	-.063	.353
	Paid classes dummy: yes	-.591	.248
	Activities dummy: yes	-.167	.238
	Nursery school dummy: yes	-.337	.160

Hierarchical Regression Main Block Test
Block 1 background , Block 2 achievement, Block 3 family supp

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
	Higher education intention dummy: yes	.188	.181	.018	1.039	.299
	Internet access dummy: yes	.095	.127	.012	.752	.453
	Romantic relationship dummy: yes	-.050	.107	-.007	-.465	.642

Coefficients^a

Model		95.0% Confidence Interval for B	
		Lower Bound	Upper Bound
	Higher education intention dummy: yes	-.168	.544
	Internet access dummy: yes	-.153	.344
	Romantic relationship dummy: yes	-.260	.160

a. Dependent Variable: Outcome variable: final grade

Hierarchical Regression Main Block Test
Block 1 background , Block 2 achievement, Block 3 family supp

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics Tolerance
1	First period grade	.810 ^b	34.200	.000	.804	.864
	Second period grade	.901 ^b	55.131	.000	.909	.893
	Weekly study time group	.187 ^b	4.974	.000	.193	.933
	Number of past class failures	-.358 ^b	-9.671	.000	-.357	.873
	School absences	-.128 ^b	-3.368	.001	-.132	.933
	Mother education	.190 ^b	4.976	.000	.193	.903
	Father education	.164 ^b	4.338	.000	.169	.933
	Home to school travel time	-.031 ^b	-.772	.440	-.030	.857
	Family relationship quality	.068 ^b	1.831	.068	.072	.988
	Free time after school	-.089 ^b	-2.385	.017	-.094	.974
	Going out with friends	-.059 ^b	-1.594	.111	-.063	.980
	Workday alcohol consumption	-.152 ^b	-3.930	.000	-.153	.892
	Weekend alcohol consumption	-.136 ^b	-3.484	.001	-.136	.879
	Current health status	-.095 ^b	-2.553	.011	-.100	.978
	School support dummy: yes	-.138 ^b	-3.644	.000	-.142	.941
	Family support dummy: yes	.014 ^b	.377	.706	.015	.966
	Paid classes dummy: yes	-.039 ^b	-1.058	.290	-.042	.989
	Activities dummy: yes	.052 ^b	1.370	.171	.054	.966
	Nursery school dummy: yes	.014 ^b	.365	.715	.014	.986
	Higher education intention dummy: yes	.282 ^b	7.571	.000	.287	.908
	Internet access dummy: yes	.088 ^b	2.297	.022	.090	.923
	Romantic relationship dummy: yes	-.070 ^b	-1.860	.063	-.073	.951

Hierarchical Regression Main Block Test
Block 1 background , Block 2 achievement, Block 3 family supp

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics Tolerance
2	Mother education	-.014 ^c	-.829	.408	-.033	.852
	Father education	-.003 ^c	-.212	.832	-.008	.894
	Home to school travel time	.035 ^c	2.142	.033	.085	.851
	Family relationship quality	-.011 ^c	-.714	.475	-.028	.968
	Free time after school	-.016 ^c	-1.003	.316	-.040	.961
	Going out with friends	-.014 ^c	-.883	.378	-.035	.969
	Workday alcohol consumption	-.024 ^c	-1.477	.140	-.058	.851
	Weekend alcohol consumption	-.019 ^c	-1.116	.265	-.044	.833
	Current health status	-.023 ^c	-1.455	.146	-.058	.966
	School support dummy: yes	-.020 ^c	-1.274	.203	-.050	.903
	Family support dummy: yes	.018 ^c	1.123	.262	.044	.946
	Paid classes dummy: yes	-.014 ^c	-.926	.355	-.037	.978
	Activities dummy: yes	.000 ^c	.004	.997	.000	.954
	Nursery school dummy: yes	-.011 ^c	-.744	.457	-.029	.981
	Higher education intention dummy: yes	.017 ^c	.976	.329	.039	.800
	Internet access dummy: yes	.005 ^c	.334	.739	.013	.911
	Romantic relationship dummy: yes	-.008 ^c	-.479	.632	-.019	.939

a. Dependent Variable: Outcome variable: final grade

b. Predictors in the Model: (Constant), Parent cohabitation dummy: 1 = together, Student age, Sex dummy: 1 = male, 0 = female, Address dummy: 1 = urban, 0 = rural, Family size dummy: 1 = LE3, 0 = GT3, School dummy: 1 = MS, 0 = GP

c. Predictors in the Model: (Constant), Parent cohabitation dummy: 1 = together, Student age, Sex dummy: 1 = male, 0 = female, Address dummy: 1 = urban, 0 = rural, Family size dummy: 1 = LE3, 0 = GT3, School dummy: 1 = MS, 0 = GP, Weekly study time group, School absences, Number of past class failures, Second period grade, First period grade

Hierarchical Regression Main Block Test
Block 1 background , Block 2 achievement, Block 3 family supp

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	Student age	School dummy: 1 = MS, 0 = GP
1	1	4.813	1.000	.00	.00	.01
	2	.737	2.555	.00	.00	.55
	3	.668	2.683	.00	.00	.04
	4	.513	3.064	.00	.00	.04
	5	.199	4.916	.00	.00	.31
	6	.068	8.442	.02	.02	.05
	7	.003	43.324	.98	.98	.00
2	1	8.009	1.000	.00	.00	.00
	2	.966	2.879	.00	.00	.04
	3	.785	3.194	.00	.00	.37
	4	.698	3.388	.00	.00	.00
	5	.574	3.736	.00	.00	.02
	6	.488	4.053	.00	.00	.17
	7	.228	5.927	.00	.00	.19
	8	.124	8.043	.00	.00	.03
	9	.088	9.516	.00	.00	.00
	10	.030	16.350	.04	.06	.18
	11	.008	32.166	.00	.01	.00
	12	.002	60.755	.96	.94	.00
3	1	19.765	1.000	.00	.00	.00
	2	1.105	4.229	.00	.00	.06
	3	1.018	4.406	.00	.00	.01
	4	.902	4.681	.00	.00	.02
	5	.828	4.885	.00	.00	.22
	6	.754	5.119	.00	.00	.01
	7	.646	5.530	.00	.00	.00
	8	.554	5.971	.00	.00	.03
	9	.534	6.086	.00	.00	.04
	10	.443	6.679	.00	.00	.03

Hierarchical Regression Main Block Test
Block 1 background , Block 2 achievement, Block 3 family supp

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions				
		Sex dummy: 1 = male, 0 = female	Address dummy: 1 = urban, 0 = rural	Family size dummy: 1 = LE3, 0 = GT3	Parent cohabitation dummy: 1 = together	First period grade
1	1	.01	.01	.01	.00	
	2	.09	.03	.07	.00	
	3	.01	.02	.80	.01	
	4	.84	.08	.01	.00	
	5	.04	.70	.02	.15	
	6	.00	.17	.09	.82	
	7	.00	.01	.00	.01	
2	1	.00	.00	.00	.00	.00
	2	.00	.01	.03	.00	.00
	3	.02	.02	.02	.00	.00
	4	.09	.00	.70	.01	.00
	5	.57	.00	.10	.00	.00
	6	.18	.04	.05	.00	.00
	7	.00	.85	.01	.02	.00
	8	.09	.00	.03	.36	.00
	9	.00	.05	.05	.45	.03
	10	.03	.04	.01	.15	.04
	11	.00	.00	.00	.00	.87
	12	.01	.00	.00	.01	.06
3	1	.00	.00	.00	.00	.00
	2	.01	.00	.00	.00	.00
	3	.00	.00	.04	.00	.00
	4	.05	.00	.02	.00	.00
	5	.04	.01	.00	.00	.00
	6	.08	.00	.30	.00	.00
	7	.09	.00	.42	.00	.00
	8	.04	.00	.02	.00	.00
	9	.06	.02	.04	.00	.00
	10	.05	.03	.01	.00	.00

Hierarchical Regression Main Block Test
Block 1 background , Block 2 achievement, Block 3 family supp

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions				
		Second period grade	Weekly study time group	Number of past class failures	School absences	Mother education
1	1					
	2					
	3					
	4					
	5					
	6					
	7					
2	1	.00	.00	.00	.00	
	2	.00	.00	.54	.01	
	3	.00	.00	.02	.20	
	4	.00	.01	.01	.00	
	5	.00	.00	.00	.26	
	6	.00	.01	.20	.41	
	7	.00	.04	.01	.00	
	8	.00	.60	.00	.00	
	9	.04	.28	.02	.01	
	10	.06	.05	.15	.10	
	11	.88	.00	.00	.00	
	12	.02	.00	.04	.00	
3	1	.00	.00	.00	.00	.00
	2	.00	.00	.25	.01	.00
	3	.00	.00	.05	.00	.00
	4	.00	.00	.07	.00	.00
	5	.00	.00	.06	.16	.00
	6	.00	.00	.00	.03	.00
	7	.00	.00	.00	.08	.00
	8	.00	.00	.00	.15	.00
	9	.00	.00	.28	.13	.00
	10	.00	.00	.01	.19	.00

Hierarchical Regression Main Block Test
Block 1 background , Block 2 achievement, Block 3 family supp

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions				
		Father education	Home to school travel time	Family relationship quality	Free time after school	Going out with friends
1	1					
	2					
	3					
	4					
	5					
	6					
	7					
2	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
3	1	.00	.00	.00	.00	.00
	2	.00	.00	.00	.00	.00
	3	.00	.00	.00	.00	.00
	4	.00	.00	.00	.00	.00
	5	.00	.00	.00	.00	.00
	6	.00	.00	.00	.00	.00
	7	.00	.00	.00	.00	.00
	8	.00	.00	.00	.00	.00
	9	.00	.00	.00	.00	.00
	10	.00	.00	.00	.00	.00

Hierarchical Regression Main Block Test
Block 1 background , Block 2 achievement, Block 3 family supp

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions				
		Workday alcohol consumption	Weekend alcohol consumption	Current health status	School support dummy: yes	Family support dummy: yes
1	1					
	2					
	3					
	4					
	5					
	6					
	7					
2	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
3	1	.00	.00	.00	.00	.00
	2	.00	.00	.00	.11	.00
	3	.00	.00	.00	.19	.00
	4	.00	.00	.00	.31	.00
	5	.00	.00	.00	.00	.00
	6	.00	.00	.00	.10	.01
	7	.00	.00	.00	.01	.00
	8	.00	.00	.00	.04	.04
	9	.03	.01	.00	.11	.02
	10	.00	.00	.00	.00	.00

Hierarchical Regression Main Block Test
Block 1 background , Block 2 achievement, Block 3 family supp

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions				
		Paid classes dummy: yes	Activities dummy: yes	Nursery school dummy: yes	Higher education intention dummy: yes	Internet access dummy: yes
1	1					
	2					
	3					
	4					
	5					
	6					
	7					
2	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
3	1	.00	.00	.00	.00	.00
	2	.01	.00	.00	.00	.00
	3	.47	.00	.00	.00	.00
	4	.29	.01	.00	.00	.00
	5	.06	.00	.00	.00	.00
	6	.00	.01	.00	.00	.00
	7	.08	.03	.00	.00	.00
	8	.01	.25	.00	.00	.00
	9	.01	.01	.00	.00	.00
	10	.00	.59	.00	.00	.00

Hierarchical Regression Main Block Test
Block 1 background , Block 2 achievement, Block 3 family supp

Collinearity Diagnostics^a

Model	Dimension	Variance ...
		Romantic relationship dummy: yes
1	1	
	2	
	3	
	4	
	5	
	6	
	7	
2	1	
	2	
	3	
	4	
	5	
	6	
	7	
	8	
	9	
	10	
	11	
	12	
3	1	.00
	2	.02
	3	.01
	4	.01
	5	.01
	6	.18
	7	.14
	8	.32
	9	.09
	10	.12

Hierarchical Regression Main Block Test
Block 1 background , Block 2 achievement, Block 3 family supp

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	Student age	School dummy: 1 = MS, 0 = GP
	11	.336	7.674	.00	.00	.01
	12	.295	8.189	.00	.00	.07
	13	.258	8.751	.00	.00	.34
	14	.220	9.471	.00	.00	.01
	15	.199	9.967	.00	.00	.01
	16	.177	10.572	.00	.00	.01
	17	.151	11.424	.00	.00	.00
	18	.135	12.122	.00	.00	.02
	19	.122	12.729	.00	.00	.00
	20	.113	13.242	.00	.00	.00
	21	.096	14.344	.00	.00	.01
	22	.089	14.879	.00	.00	.00
	23	.066	17.308	.00	.00	.01
	24	.061	18.003	.00	.00	.00
	25	.056	18.826	.00	.00	.00
	26	.049	20.072	.00	.00	.01
	27	.017	33.704	.05	.12	.09
	28	.008	51.184	.00	.00	.00
	29	.002	105.280	.94	.88	.01

Hierarchical Regression Main Block Test
Block 1 background , Block 2 achievement, Block 3 family supp

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions				
		Sex dummy: 1 = male, 0 = female	Address dummy: 1 = urban, 0 = rural	Family size dummy: 1 = LE3, 0 = GT3	Parent cohabitation dummy: 1 = together	First period grade
	11	.05	.05	.00	.00	.00
	12	.35	.00	.00	.00	.00
	13	.00	.22	.00	.01	.00
	14	.03	.40	.01	.00	.00
	15	.00	.01	.01	.01	.00
	16	.00	.00	.01	.00	.00
	17	.03	.03	.00	.00	.00
	18	.01	.05	.00	.01	.00
	19	.03	.07	.00	.01	.00
	20	.00	.01	.05	.54	.00
	21	.01	.00	.02	.10	.00
	22	.00	.02	.02	.16	.01
	23	.00	.01	.01	.06	.03
	24	.00	.00	.00	.01	.00
	25	.02	.00	.00	.00	.00
	26	.03	.00	.00	.01	.02
	27	.00	.05	.00	.06	.02
	28	.00	.00	.00	.00	.86
	29	.01	.01	.00	.00	.06

Hierarchical Regression Main Block Test
Block 1 background , Block 2 achievement, Block 3 family supp

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions				
		Second period grade	Weekly study time group	Number of past class failures	School absences	Mother education
	11	.00	.00	.00	.03	.00
	12	.00	.00	.00	.12	.01
	13	.00	.02	.00	.00	.02
	14	.00	.01	.03	.00	.07
	15	.00	.00	.00	.00	.01
	16	.00	.04	.01	.00	.01
	17	.00	.09	.01	.00	.00
	18	.00	.26	.01	.02	.00
	19	.00	.14	.00	.00	.00
	20	.00	.12	.01	.01	.00
	21	.00	.01	.02	.00	.01
	22	.01	.24	.02	.00	.00
	23	.05	.02	.00	.00	.00
	24	.00	.00	.00	.00	.33
	25	.00	.00	.00	.00	.49
	26	.02	.00	.01	.00	.03
	27	.03	.04	.10	.06	.01
	28	.87	.00	.00	.00	.00
	29	.02	.00	.03	.00	.00

Hierarchical Regression Main Block Test
Block 1 background , Block 2 achievement, Block 3 family supp

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions				
		Father education	Home to school travel time	Family relationship quality	Free time after school	Going out with friends
	11	.00	.00	.00	.00	.00
	12	.01	.00	.00	.00	.01
	13	.02	.15	.00	.00	.00
	14	.11	.00	.00	.00	.00
	15	.03	.00	.00	.00	.00
	16	.04	.00	.00	.00	.01
	17	.00	.10	.01	.03	.01
	18	.03	.28	.00	.03	.09
	19	.00	.21	.00	.12	.18
	20	.00	.08	.00	.01	.01
	21	.01	.00	.01	.11	.00
	22	.07	.05	.02	.02	.00
	23	.00	.01	.02	.05	.01
	24	.26	.00	.01	.33	.36
	25	.40	.02	.08	.25	.17
	26	.01	.00	.68	.00	.15
	27	.00	.07	.15	.03	.00
	28	.00	.00	.01	.00	.00
	29	.00	.02	.01	.02	.01

Hierarchical Regression Main Block Test
Block 1 background , Block 2 achievement, Block 3 family supp

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions				
		Workday alcohol consumption	Weekend alcohol consumption	Current health status	School support dummy: yes	Family support dummy: yes
	11	.01	.00	.00	.00	.79
	12	.14	.10	.00	.01	.00
	13	.00	.00	.01	.01	.02
	14	.00	.00	.01	.00	.06
	15	.02	.01	.01	.00	.00
	16	.00	.00	.00	.00	.01
	17	.06	.01	.51	.00	.00
	18	.10	.00	.06	.00	.01
	19	.05	.00	.11	.00	.00
	20	.03	.02	.11	.00	.00
	21	.32	.40	.00	.00	.00
	22	.15	.08	.03	.00	.00
	23	.01	.04	.00	.02	.01
	24	.01	.07	.03	.00	.00
	25	.04	.11	.00	.00	.00
	26	.02	.12	.07	.00	.00
	27	.01	.01	.04	.01	.00
	28	.00	.00	.01	.00	.00
	29	.00	.00	.00	.04	.01

Hierarchical Regression Main Block Test
Block 1 background , Block 2 achievement, Block 3 family supp

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions				
		Paid classes dummy: yes	Activities dummy: yes	Nursery school dummy: yes	Higher education intention dummy: yes	Internet access dummy: yes
	11	.03	.00	.01	.00	.00
	12	.00	.01	.01	.00	.00
	13	.01	.03	.01	.00	.03
	14	.01	.01	.01	.00	.08
	15	.00	.00	.20	.00	.57
	16	.00	.00	.66	.01	.14
	17	.00	.00	.02	.00	.00
	18	.00	.00	.03	.00	.01
	19	.00	.03	.00	.00	.06
	20	.00	.00	.00	.02	.06
	21	.00	.00	.01	.15	.02
	22	.00	.00	.00	.22	.00
	23	.00	.00	.00	.52	.00
	24	.00	.00	.01	.00	.01
	25	.00	.00	.00	.01	.01
	26	.00	.00	.00	.00	.01
	27	.00	.01	.02	.00	.00
	28	.00	.00	.00	.00	.00
	29	.00	.00	.00	.04	.00

Hierarchical Regression Main Block Test
Block 1 background , Block 2 achievement, Block 3 family supp

Collinearity Diagnostics^a

Model	Dimension	Variance ...
		Romantic relationship dummy: yes
	11	.02
	12	.02
	13	.00
	14	.00
	15	.00
	16	.00
	17	.00
	18	.01
	19	.00
	20	.01
	21	.01
	22	.00
	23	.00
	24	.00
	25	.00
	26	.00
	27	.02
	28	.00
	29	.01

a. Dependent Variable: Outcome variable: final grade

Hierarchical Regression Main Block Test
Block 1 background , Block 2 achievement, Block 3 family supp

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	-.01	19.59	11.91	2.990	649
Std. Predicted Value	-3.985	2.571	.000	1.000	649
Standard Error of Predicted Value	.158	.491	.260	.048	649
Adjusted Predicted Value	-.01	19.62	11.91	2.989	649
Residual	-8.855	5.695	.000	1.225	649
Std. Residual	-7.072	4.548	.000	.978	649
Stud. Residual	-7.320	4.783	.000	1.004	649
Deleted Residual	-9.487	6.299	.000	1.291	649
Stud. Deleted Residual	-7.653	4.870	-.003	1.021	649
Mahal. Distance	9.361	98.588	27.957	11.262	649
Cook's Distance	.000	.132	.002	.009	649
Centered Leverage Value	.014	.152	.043	.017	649

a. Dependent Variable: Outcome variable: final grade

Block 1 Hierarchical Regression Model

Block 1 Hierarchical Regression Model
Background and demographic predictors only

Regression

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	Parent cohabitation dummy: 1 = together, Student age, Sex dummy: 1 = male, 0 = female, Address dummy: 1 = urban, 0 = rural, Family size dummy: 1 = LE3, 0 = GT3, School dummy: 1 = MS, 0 = GP ^b	.	Enter

a. Dependent Variable: Outcome variable: final grade

b. All requested variables entered.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.350 ^a	.123	.114	3.040

a. Predictors: (Constant), Parent cohabitation dummy: 1 = together, Student age, Sex dummy: 1 = male, 0 = female, Address dummy: 1 = urban, 0 = rural, Family size dummy: 1 = LE3, 0 = GT3, School dummy: 1 = MS, 0 = GP

Block 1 Hierarchical Regression Model
Background and demographic predictors only

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	829.619	6	138.270	14.960	.000 ^b
	Residual	5933.648	642	9.242		
	Total	6763.267	648			

a. Dependent Variable: Outcome variable: final grade

b. Predictors: (Constant), Parent cohabitation dummy: 1 = together, Student age, Sex dummy: 1 = male, 0 = female, Address dummy: 1 = urban, 0 = rural, Family size dummy: 1 = LE3, 0 = GT3, School dummy: 1 = MS, 0 = GP

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	16.016	1.710		9.367	.000
	Student age	-.234	.098	-.088	-2.375	.018
	School dummy: 1 = MS, 0 = GP	-1.805	.270	-.266	-6.688	.000
	Sex dummy: 1 = male, 0 = female	-1.096	.246	-.167	-4.454	.000
	Address dummy: 1 = urban, 0 = rural	.532	.279	.076	1.906	.057
	Family size dummy: 1 = LE3, 0 = GT3	.521	.272	.074	1.918	.056
	Parent cohabitation dummy: 1 = together	.411	.377	.042	1.090	.276

Block 1 Hierarchical Regression Model
Background and demographic predictors only

Coefficients^a

Model		95.0% Confidence Interval for B	
		Lower Bound	Upper Bound
1	(Constant)	12.658	19.373
	Student age	-.427	-.041
	School dummy: 1 = MS, 0 = GP	-2.336	-1.275
	Sex dummy: 1 = male, 0 = female	-1.579	-.613
	Address dummy: 1 = urban, 0 = rural	-.016	1.079
	Family size dummy: 1 = LE3, 0 = GT3	-.012	1.054
	Parent cohabitation dummy: 1 = together	-.329	1.151

a. Dependent Variable: Outcome variable: final grade

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	Student age	School dummy: 1 = MS, 0 = GP
1	1	4.813	1.000	.00	.00	.01
	2	.737	2.555	.00	.00	.55
	3	.668	2.683	.00	.00	.04
	4	.513	3.064	.00	.00	.04
	5	.199	4.916	.00	.00	.31
	6	.068	8.442	.02	.02	.05
	7	.003	43.324	.98	.98	.00

Block 1 Hierarchical Regression Model
Background and demographic predictors only

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions			
		Sex dummy: 1 = male, 0 = female	Address dummy: 1 = urban, 0 = rural	Family size dummy: 1 = LE3, 0 = GT3	Parent cohabitation dummy: 1 = together
1	1	.01	.01	.01	.00
	2	.09	.03	.07	.00
	3	.01	.02	.80	.01
	4	.84	.08	.01	.00
	5	.04	.70	.02	.15
	6	.00	.17	.09	.82
	7	.00	.01	.00	.01

a. Dependent Variable: Outcome variable: final grade

Block 1 Plus Block 2 Hierarchical Regression Model

Block 1 Plus Block 2 Hierarchical Regression Model
Background plus achievement and academic predictors

Regression

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	School absences, Family size dummy: 1 = LE3, 0 = GT3, Address dummy: 1 = urban, 0 = rural, Sex dummy: 1 = male, 0 = female, Student age, Weekly study time group, Parent cohabitation dummy: 1 = together, Second period grade, School dummy: 1 = MS, 0 = GP, Number of past class failures, First period grade ^b	.	Enter

a. Dependent Variable: Outcome variable: final grade

b. All requested variables entered.

Block 1 Plus Block 2 Hierarchical Regression Model
Background plus achievement and academic predictors

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.923 ^a	.852	.850	1.252

a. Predictors: (Constant), School absences, Family size dummy: 1 = LE3, 0 = GT3, Address dummy: 1 = urban, 0 = rural, Sex dummy: 1 = male, 0 = female, Student age, Weekly study time group, Parent cohabitation dummy: 1 = together, Second period grade, School dummy: 1 = MS, 0 = GP, Number of past class failures, First period grade

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	5764.885	11	524.080	334.380	.000 ^b
	Residual	998.382	637	1.567		
	Total	6763.267	648			

a. Dependent Variable: Outcome variable: final grade

b. Predictors: (Constant), School absences, Family size dummy: 1 = LE3, 0 = GT3, Address dummy: 1 = urban, 0 = rural, Sex dummy: 1 = male, 0 = female, Student age, Weekly study time group, Parent cohabitation dummy: 1 = together, Second period grade, School dummy: 1 = MS, 0 = GP, Number of past class failures, First period grade

Block 1 Plus Block 2 Hierarchical Regression Model
Background plus achievement and academic predictors

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-.162	.789		-.206	.837
	Student age	.024	.044	.009	.540	.590
	School dummy: 1 = MS, 0 = GP	-.171	.118	-.025	-1.444	.149
	Sex dummy: 1 = male, 0 = female	-.205	.105	-.031	-1.958	.051
	Address dummy: 1 = urban, 0 = rural	.090	.115	.013	.781	.435
	Family size dummy: 1 = LE3, 0 = GT3	.050	.112	.007	.446	.656
	Parent cohabitation dummy: 1 = together	-.089	.156	-.009	-.567	.571
	First period grade	.132	.037	.112	3.588	.000
	Second period grade	.880	.034	.794	25.735	.000
	Weekly study time group	.062	.063	.016	.972	.331
	Number of past class failures	-.224	.095	-.041	-2.357	.019
	School absences	.017	.011	.024	1.500	.134

Block 1 Plus Block 2 Hierarchical Regression Model
Background plus achievement and academic predictors

Coefficients^a

Model		95.0% Confidence Interval for B	
		Lower Bound	Upper Bound
1	(Constant)	-1.712	1.388
	Student age	-.062	.109
	School dummy: 1 = MS, 0 = GP	-.404	.062
	Sex dummy: 1 = male, 0 = female	-.410	.001
	Address dummy: 1 = urban, 0 = rural	-.136	.316
	Family size dummy: 1 = LE3, 0 = GT3	-.171	.271
	Parent cohabitation dummy: 1 = together	-.396	.219
	First period grade	.060	.204
	Second period grade	.813	.947
	Weekly study time group	-.063	.186
	Number of past class failures	-.411	-.037
	School absences	-.005	.039

a. Dependent Variable: Outcome variable: final grade

Block 1 Plus Block 2 Hierarchical Regression Model
Background plus achievement and academic predictors

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	Student age	School dummy: 1 = MS, 0 = GP
1	1	8.009	1.000	.00	.00	.00
	2	.966	2.879	.00	.00	.04
	3	.785	3.194	.00	.00	.37
	4	.698	3.388	.00	.00	.00
	5	.574	3.736	.00	.00	.02
	6	.488	4.053	.00	.00	.17
	7	.228	5.927	.00	.00	.19
	8	.124	8.043	.00	.00	.03
	9	.088	9.516	.00	.00	.00
	10	.030	16.350	.04	.06	.18
	11	.008	32.166	.00	.01	.00
	12	.002	60.755	.96	.94	.00

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions				
		Sex dummy: 1 = male, 0 = female	Address dummy: 1 = urban, 0 = rural	Family size dummy: 1 = LE3, 0 = GT3	Parent cohabitation dummy: 1 = together	First period grade
1	1	.00	.00	.00	.00	.00
	2	.00	.01	.03	.00	.00
	3	.02	.02	.02	.00	.00
	4	.09	.00	.70	.01	.00
	5	.57	.00	.10	.00	.00
	6	.18	.04	.05	.00	.00
	7	.00	.85	.01	.02	.00
	8	.09	.00	.03	.36	.00
	9	.00	.05	.05	.45	.03
	10	.03	.04	.01	.15	.04
	11	.00	.00	.00	.00	.87
	12	.01	.00	.00	.01	.06

Block 1 Plus Block 2 Hierarchical Regression Model
Background plus achievement and academic predictors

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions			
		Second period grade	Weekly study time group	Number of past class failures	School absences
1	1	.00	.00	.00	.00
	2	.00	.00	.54	.01
	3	.00	.00	.02	.20
	4	.00	.01	.01	.00
	5	.00	.00	.00	.26
	6	.00	.01	.20	.41
	7	.00	.04	.01	.00
	8	.00	.60	.00	.00
	9	.04	.28	.02	.01
	10	.06	.05	.15	.10
	11	.88	.00	.00	.00
	12	.02	.00	.04	.00

a. Dependent Variable: Outcome variable: final grade

Final Hierarchical Regression Model

>Warning # 2004. Command name: SUBTITLE

>The subtitle given exceeds 60 characters in length. The first 60 characters
>will be used.

Final Hierarchical Regression Model
Full model with background , achievement, family, support, an

Regression

Variables Entered/Removed ^a			
Model	Variables Entered	Variables Removed	Method

Final Hierarchical Regression Model
Full model with background , achievement, family, support, an

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	Romantic relationship dummy: yes, Going out with friends, Paid classes dummy: yes, Nursery school dummy: yes, Address dummy: 1 = urban, 0 = rural, Current health status, Family support dummy: yes, Parent cohabitation dummy: 1 = together, School support dummy: yes, Number of past class failures, Activities dummy: yes, Family relationship quality, School absences, Internet access dummy: yes, Family size dummy: 1 = LE3, 0 = GT3, Weekly study time group, Father education, Workday alcohol consumption, Higher education intention dummy: yes, Home to school travel time, Free	.	Enter

Final Hierarchical Regression Model
Full model with background , achievement, family, support, an

- a. Dependent Variable: Outcome variable: final grade
b. All requested variables entered.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.925 ^a	.856	.850	1.252

- a. Predictors: (Constant), Romantic relationship dummy: yes, Going out with friends, Paid classes dummy: yes, Nursery school dummy: yes, Address dummy: 1 = urban, 0 = rural, Current health status, Family support dummy: yes, Parent cohabitation dummy: 1 = together, School support dummy: yes, Number of past class failures, Activities dummy: yes, Family relationship quality, School absences, Internet access dummy: yes, Family size dummy: 1 = LE3, 0 = GT3, Weekly study time group, Father education, Workday alcohol consumption, Higher education intention dummy: yes, Home to school travel time, Free time after school, Sex dummy: 1 = male, 0 = female, Student age, School dummy: 1 = MS, 0 = GP, Second period grade, Mother education, Weekend alcohol consumption, First period grade

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	5791.274	28	206.831	131.930	.000 ^b
	Residual	971.993	620	1.568		
	Total	6763.267	648			

- a. Dependent Variable: Outcome variable: final grade
b. Predictors: (Constant), Romantic relationship dummy: yes, Going out with friends, Paid classes dummy: yes, Nursery school dummy: yes, Address dummy: 1 = urban, 0 = rural, Current health status, Family support dummy: yes, Parent cohabitation dummy: 1 = together, School support dummy: yes, Number of past class failures, Activities dummy: yes, Family relationship quality, School absences, Internet access dummy: yes, Family size dummy: 1 = LE3, 0 = GT3, Weekly study time group, Father education, Workday alcohol consumption, Higher education intention dummy: yes, Home to school travel time, Free time after school, Sex dummy: 1 = male, 0 = female, Student age, School dummy: 1 = MS, 0 = GP, Second period grade, Mother education, Weekend alcohol consumption, First period grade

Final Hierarchical Regression Model
Full model with background , achievement, family, support, an

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-.070	.922		-.076	.939
	Student age	.040	.046	.015	.861	.390
	School dummy: 1 = MS, 0 = GP	-.217	.124	-.032	-1.755	.080
	Sex dummy: 1 = male, 0 = female	-.136	.117	-.021	-1.165	.245
	Address dummy: 1 = urban, 0 = rural	.147	.121	.021	1.213	.226
	Family size dummy: 1 = LE3, 0 = GT3	.050	.114	.007	.434	.664
	Parent cohabitation dummy: 1 = together	-.108	.159	-.011	-.675	.500
	First period grade	.124	.037	.105	3.299	.001
	Second period grade	.875	.035	.789	25.101	.000
	Weekly study time group	.044	.065	.011	.670	.503
	Number of past class failures	-.221	.097	-.041	-2.263	.024
	School absences	.015	.012	.021	1.281	.201
	Mother education	-.052	.061	-.018	-.849	.396
	Father education	.031	.060	.011	.518	.604
	Home to school travel time	.146	.073	.034	1.994	.047
	Family relationship quality	-.036	.054	-.011	-.665	.506
	Free time after school	-.031	.052	-.010	-.589	.556
	Going out with friends	-.020	.050	-.007	-.412	.681
	Workday alcohol consumption	-.070	.070	-.020	-1.001	.317
	Weekend alcohol consumption	-.018	.054	-.007	-.330	.742
	Current health status	-.042	.035	-.019	-1.192	.234
	School support dummy: yes	-.223	.171	-.021	-1.303	.193
	Family support dummy: yes	.145	.106	.022	1.372	.171

Final Hierarchical Regression Model
Full model with background , achievement, family, support, an

Coefficients^a

Model		95.0% Confidence Interval for B	
		Lower Bound	Upper Bound
1	(Constant)	-1.881	1.740
	Student age	-.051	.131
	School dummy: 1 = MS, 0 = GP	-.460	.026
	Sex dummy: 1 = male, 0 = female	-.365	.093
	Address dummy: 1 = urban, 0 = rural	-.091	.385
	Family size dummy: 1 = LE3, 0 = GT3	-.175	.274
	Parent cohabitation dummy: 1 = together	-.420	.205
	First period grade	.050	.197
	Second period grade	.806	.943
	Weekly study time group	-.084	.172
	Number of past class failures	-.412	-.029
	School absences	-.008	.038
	Mother education	-.172	.068
	Father education	-.087	.149
	Home to school travel time	.002	.291
	Family relationship quality	-.142	.070
	Free time after school	-.133	.072
	Going out with friends	-.118	.077
	Workday alcohol consumption	-.208	.068
	Weekend alcohol consumption	-.125	.089
	Current health status	-.112	.027
	School support dummy: yes	-.559	.113
	Family support dummy: yes	-.063	.353

Final Hierarchical Regression Model
Full model with background , achievement, family, support, an

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
	Paid classes dummy: yes	-.172	.214	-.013	-.804	.422
	Activities dummy: yes	.035	.103	.005	.344	.731
	Nursery school dummy: yes	-.088	.127	-.011	-.698	.485
	Higher education intention dummy: yes	.188	.181	.018	1.039	.299
	Internet access dummy: yes	.095	.127	.012	.752	.453
	Romantic relationship dummy: yes	-.050	.107	-.007	-.465	.642

Coefficients^a

Model		95.0% Confidence Interval for B	
		Lower Bound	Upper Bound
	Paid classes dummy: yes	-.591	.248
	Activities dummy: yes	-.167	.238
	Nursery school dummy: yes	-.337	.160
	Higher education intention dummy: yes	-.168	.544
	Internet access dummy: yes	-.153	.344
	Romantic relationship dummy: yes	-.260	.160

a. Dependent Variable: Outcome variable: final grade

Final Hierarchical Regression Model
Full model with background , achievement, family, support, an

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	Student age	School dummy: 1 = MS, 0 = GP
1	1	19.765	1.000	.00	.00	.00
	2	1.105	4.229	.00	.00	.06
	3	1.018	4.406	.00	.00	.01
	4	.902	4.681	.00	.00	.02
	5	.828	4.885	.00	.00	.22
	6	.754	5.119	.00	.00	.01
	7	.646	5.530	.00	.00	.00
	8	.554	5.971	.00	.00	.03
	9	.534	6.086	.00	.00	.04
	10	.443	6.679	.00	.00	.03
	11	.336	7.674	.00	.00	.01
	12	.295	8.189	.00	.00	.07
	13	.258	8.751	.00	.00	.34
	14	.220	9.471	.00	.00	.01
	15	.199	9.967	.00	.00	.01
	16	.177	10.572	.00	.00	.01
	17	.151	11.424	.00	.00	.00
	18	.135	12.122	.00	.00	.02
	19	.122	12.729	.00	.00	.00
	20	.113	13.242	.00	.00	.00
	21	.096	14.344	.00	.00	.01
	22	.089	14.879	.00	.00	.00
	23	.066	17.308	.00	.00	.01
	24	.061	18.003	.00	.00	.00
	25	.056	18.826	.00	.00	.00
	26	.049	20.072	.00	.00	.01
	27	.017	33.704	.05	.12	.09
	28	.008	51.184	.00	.00	.00
	29	.002	105.280	.94	.88	.01

Final Hierarchical Regression Model
Full model with background , achievement, family, support, an

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions				
		Sex dummy: 1 = male, 0 = female	Address dummy: 1 = urban, 0 = rural	Family size dummy: 1 = LE3, 0 = GT3	Parent cohabitation dummy: 1 = together	First period grade
1	1	.00	.00	.00	.00	.00
	2	.01	.00	.00	.00	.00
	3	.00	.00	.04	.00	.00
	4	.05	.00	.02	.00	.00
	5	.04	.01	.00	.00	.00
	6	.08	.00	.30	.00	.00
	7	.09	.00	.42	.00	.00
	8	.04	.00	.02	.00	.00
	9	.06	.02	.04	.00	.00
	10	.05	.03	.01	.00	.00
	11	.05	.05	.00	.00	.00
	12	.35	.00	.00	.00	.00
	13	.00	.22	.00	.01	.00
	14	.03	.40	.01	.00	.00
	15	.00	.01	.01	.01	.00
	16	.00	.00	.01	.00	.00
	17	.03	.03	.00	.00	.00
	18	.01	.05	.00	.01	.00
	19	.03	.07	.00	.01	.00
	20	.00	.01	.05	.54	.00
	21	.01	.00	.02	.10	.00
	22	.00	.02	.02	.16	.01
	23	.00	.01	.01	.06	.03
	24	.00	.00	.00	.01	.00
	25	.02	.00	.00	.00	.00
	26	.03	.00	.00	.01	.02
	27	.00	.05	.00	.06	.02
	28	.00	.00	.00	.00	.86
	29	.01	.01	.00	.00	.06

Final Hierarchical Regression Model
Full model with background , achievement, family, support, an

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions				
		Second period grade	Weekly study time group	Number of past class failures	School absences	Mother education
1	1	.00	.00	.00	.00	.00
	2	.00	.00	.25	.01	.00
	3	.00	.00	.05	.00	.00
	4	.00	.00	.07	.00	.00
	5	.00	.00	.06	.16	.00
	6	.00	.00	.00	.03	.00
	7	.00	.00	.00	.08	.00
	8	.00	.00	.00	.15	.00
	9	.00	.00	.28	.13	.00
	10	.00	.00	.01	.19	.00
	11	.00	.00	.00	.03	.00
	12	.00	.00	.00	.12	.01
	13	.00	.02	.00	.00	.02
	14	.00	.01	.03	.00	.07
	15	.00	.00	.00	.00	.01
	16	.00	.04	.01	.00	.01
	17	.00	.09	.01	.00	.00
	18	.00	.26	.01	.02	.00
	19	.00	.14	.00	.00	.00
	20	.00	.12	.01	.01	.00
	21	.00	.01	.02	.00	.01
	22	.01	.24	.02	.00	.00
	23	.05	.02	.00	.00	.00
	24	.00	.00	.00	.00	.33
	25	.00	.00	.00	.00	.49
	26	.02	.00	.01	.00	.03
	27	.03	.04	.10	.06	.01
	28	.87	.00	.00	.00	.00
	29	.02	.00	.03	.00	.00

Final Hierarchical Regression Model
Full model with background , achievement, family, support, an

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions				
		Father education	Home to school travel time	Family relationship quality	Free time after school	Going out with friends
1	1	.00	.00	.00	.00	.00
	2	.00	.00	.00	.00	.00
	3	.00	.00	.00	.00	.00
	4	.00	.00	.00	.00	.00
	5	.00	.00	.00	.00	.00
	6	.00	.00	.00	.00	.00
	7	.00	.00	.00	.00	.00
	8	.00	.00	.00	.00	.00
	9	.00	.00	.00	.00	.00
	10	.00	.00	.00	.00	.00
	11	.00	.00	.00	.00	.00
	12	.01	.00	.00	.00	.01
	13	.02	.15	.00	.00	.00
	14	.11	.00	.00	.00	.00
	15	.03	.00	.00	.00	.00
	16	.04	.00	.00	.00	.01
	17	.00	.10	.01	.03	.01
	18	.03	.28	.00	.03	.09
	19	.00	.21	.00	.12	.18
	20	.00	.08	.00	.01	.01
	21	.01	.00	.01	.11	.00
	22	.07	.05	.02	.02	.00
	23	.00	.01	.02	.05	.01
	24	.26	.00	.01	.33	.36
	25	.40	.02	.08	.25	.17
	26	.01	.00	.68	.00	.15
	27	.00	.07	.15	.03	.00
	28	.00	.00	.01	.00	.00
	29	.00	.02	.01	.02	.01

Final Hierarchical Regression Model
Full model with background , achievement, family, support, an

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions				
		Workday alcohol consumption	Weekend alcohol consumption	Current health status	School support dummy: yes	Family support dummy: yes
1	1	.00	.00	.00	.00	.00
	2	.00	.00	.00	.11	.00
	3	.00	.00	.00	.19	.00
	4	.00	.00	.00	.31	.00
	5	.00	.00	.00	.00	.00
	6	.00	.00	.00	.10	.01
	7	.00	.00	.00	.01	.00
	8	.00	.00	.00	.04	.04
	9	.03	.01	.00	.11	.02
	10	.00	.00	.00	.00	.00
	11	.01	.00	.00	.00	.79
	12	.14	.10	.00	.01	.00
	13	.00	.00	.01	.01	.02
	14	.00	.00	.01	.00	.06
	15	.02	.01	.01	.00	.00
	16	.00	.00	.00	.00	.01
	17	.06	.01	.51	.00	.00
	18	.10	.00	.06	.00	.01
	19	.05	.00	.11	.00	.00
	20	.03	.02	.11	.00	.00
	21	.32	.40	.00	.00	.00
	22	.15	.08	.03	.00	.00
	23	.01	.04	.00	.02	.01
	24	.01	.07	.03	.00	.00
	25	.04	.11	.00	.00	.00
	26	.02	.12	.07	.00	.00
	27	.01	.01	.04	.01	.00
	28	.00	.00	.01	.00	.00
	29	.00	.00	.00	.04	.01

Final Hierarchical Regression Model
Full model with background , achievement, family, support, an

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions				
		Paid classes dummy: yes	Activities dummy: yes	Nursery school dummy: yes	Higher education intention dummy: yes	Internet access dummy: yes
1	1	.00	.00	.00	.00	.00
	2	.01	.00	.00	.00	.00
	3	.47	.00	.00	.00	.00
	4	.29	.01	.00	.00	.00
	5	.06	.00	.00	.00	.00
	6	.00	.01	.00	.00	.00
	7	.08	.03	.00	.00	.00
	8	.01	.25	.00	.00	.00
	9	.01	.01	.00	.00	.00
	10	.00	.59	.00	.00	.00
	11	.03	.00	.01	.00	.00
	12	.00	.01	.01	.00	.00
	13	.01	.03	.01	.00	.03
	14	.01	.01	.01	.00	.08
	15	.00	.00	.20	.00	.57
	16	.00	.00	.66	.01	.14
	17	.00	.00	.02	.00	.00
	18	.00	.00	.03	.00	.01
	19	.00	.03	.00	.00	.06
	20	.00	.00	.00	.02	.06
	21	.00	.00	.01	.15	.02
	22	.00	.00	.00	.22	.00
	23	.00	.00	.00	.52	.00
	24	.00	.00	.01	.00	.01
	25	.00	.00	.00	.01	.01
	26	.00	.00	.00	.00	.01
	27	.00	.01	.02	.00	.00
	28	.00	.00	.00	.00	.00
	29	.00	.00	.00	.04	.00

Final Hierarchical Regression Model
Full model with background , achievement, family, support, an

Collinearity Diagnostics^a

Model	Dimension	Variance ...
		Romantic relationship dummy: yes
1	1	.00
	2	.02
	3	.01
	4	.01
	5	.01
	6	.18
	7	.14
	8	.32
	9	.09
	10	.12
	11	.02
	12	.02
	13	.00
	14	.00
	15	.00
	16	.00
	17	.00
	18	.01
	19	.00
	20	.01
	21	.01
	22	.00
	23	.00
	24	.00
	25	.00
	26	.00
	27	.02
	28	.00
	29	.01

Final Hierarchical Regression Model
Full model with background , achievement, family, support, an

a. Dependent Variable: Outcome variable: final grade

Hierarchical Regression Saved Prediction Summary

>Warning # 2004. Command name: SUBTITLE

>The subtitle given exceeds 60 characters in length. The first 60 characters
>will be used.

Hierarchical Regression Saved Prediction Summary
Final model fitted values, residuals, standardized residuals

Descriptives

Descriptive Statistics					
	N	Minimum	Maximum	Sum	Mean
Outcome variable: final grade	649	0	19	7727	11.91
Predicted G3 from final hierarchical regression model	649	-.00710	19.59188	7727.00000	11.9060092
Residual from final hierarchical regression model	649	-8.85487	5.69493	.00000	.0000000
Standardized residual from final hierarchical regression model	649	-7.32026	4.78345	-.12276	-.0001892
Cook distance from final hierarchical regression model	649	.00000	.13197	1.22243	.0018836
Squared residual for SSE context	649	.00	78.41	971.99	1.4977
Absolute residual for MAE context	649	.00	8.85	499.72	.7700
Squared deviation from mean for SST context	649	.01	141.75	6763.27	10.4211
Valid N (listwise)	649				

Hierarchical Regression Saved Prediction Summary
Final model fitted values, residuals, standardized residuals

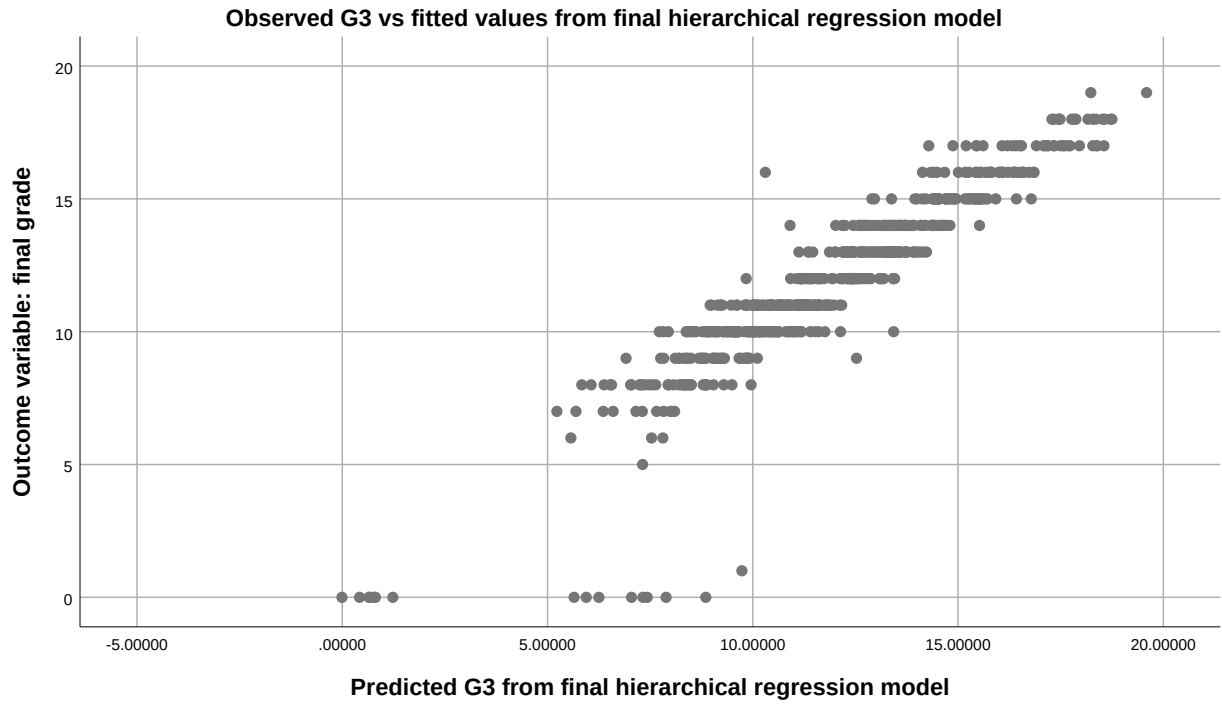
Descriptive Statistics

	Std. Deviation
Outcome variable: final grade	3.231
Predicted G3 from final hierarchical regression model	2.98950684
Residual from final hierarchical regression model	1.22474023
Standardized residual from final hierarchical regression model	1.00415289
Cook distance from final hierarchical regression model	.00919924
Squared residual for SSE context	6.67536
Absolute residual for MAE context	.95194
Squared deviation from mean for SST context	22.56670
Valid N (listwise)	

Final Hierarchical Model Observed vs Predicted Plot

Final Hierarchical Model Observed vs Predicted Plot
Prediction agreement diagnostic

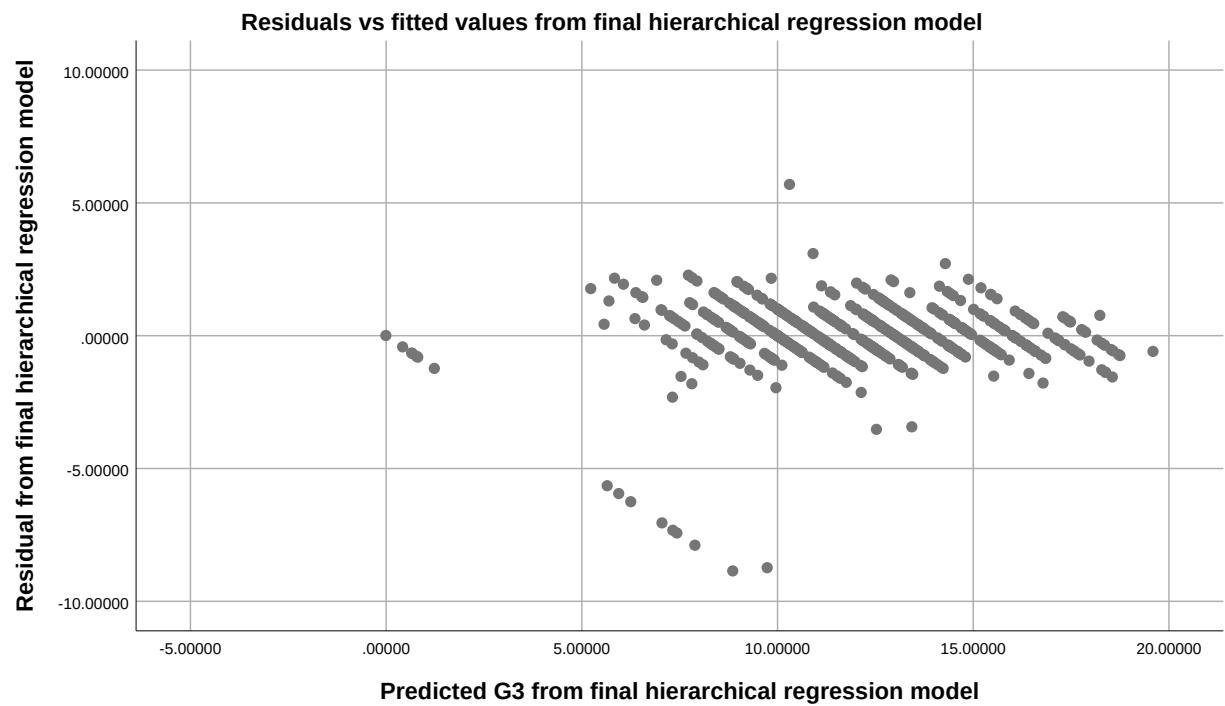
Graph



Final Hierarchical Model Residual Plot

Final Hierarchical Model Residual Plot
Residuals by fitted values

Graph



Final Hierarchical Model Residual Distribution

Final Hierarchical Model Residual Distribution
Standardized residual histogram and Q-Q plot

Explore

Case Processing Summary

	Valid		Cases Missing		Total	
	N	Percent	N	Percent	N	Percent
Standardized residual from final hierarchical regression model	649	100.0%	0	0.0%	649	100.0%

Descriptives

		Statistic	Std. Error
Standardized residual from final hierarchical regression model	Mean	-.0001892	.03941645
	95% Confidence Interval for Mean	Lower Bound	-.0775885
		Upper Bound	.0772102
	5% Trimmed Mean	.0543121	
	Median	.0024215	
	Variance	1.008	
	Std. Deviation	1.00415289	
	Minimum	-7.32026	
	Maximum	4.78345	
	Range	12.10371	
	Interquartile Range	.90977	
	Skewness	-2.763	.096
	Kurtosis	18.067	.192

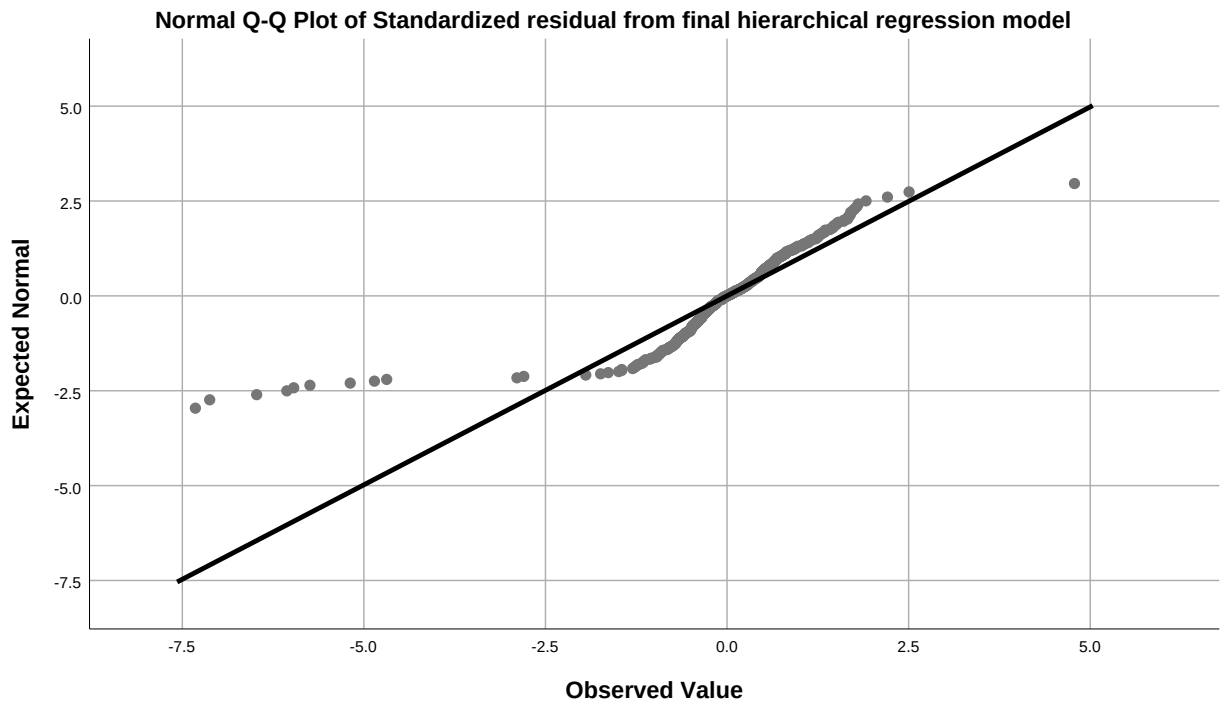
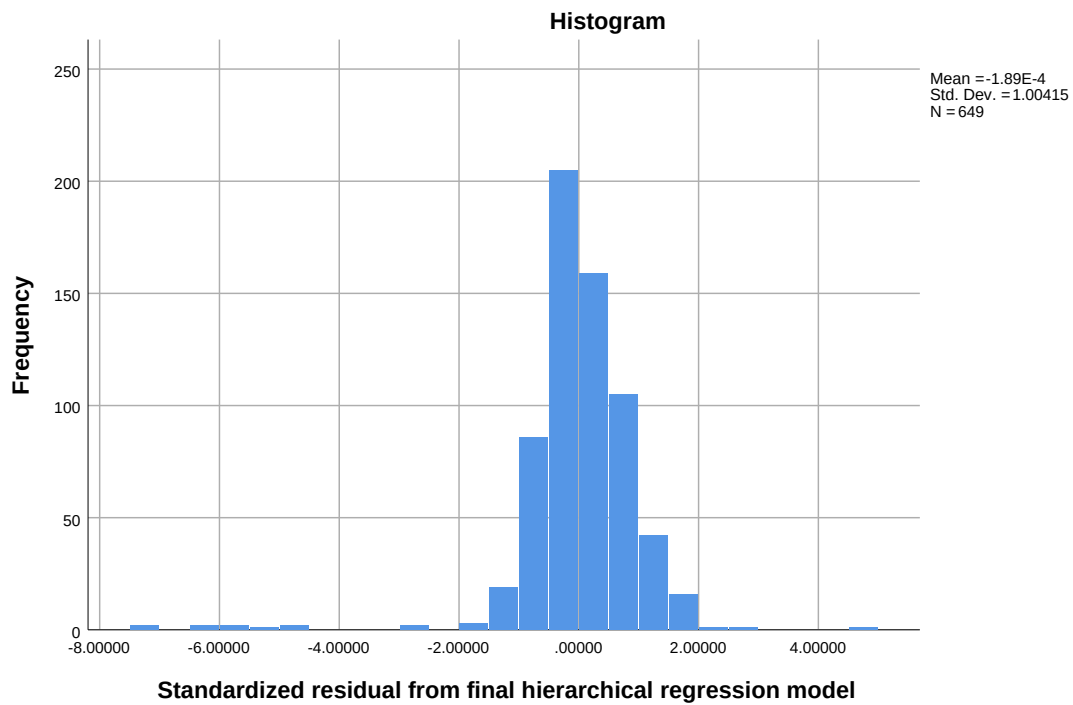
Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized residual from final hierarchical regression model	.137	649	.000	.766	649	.000

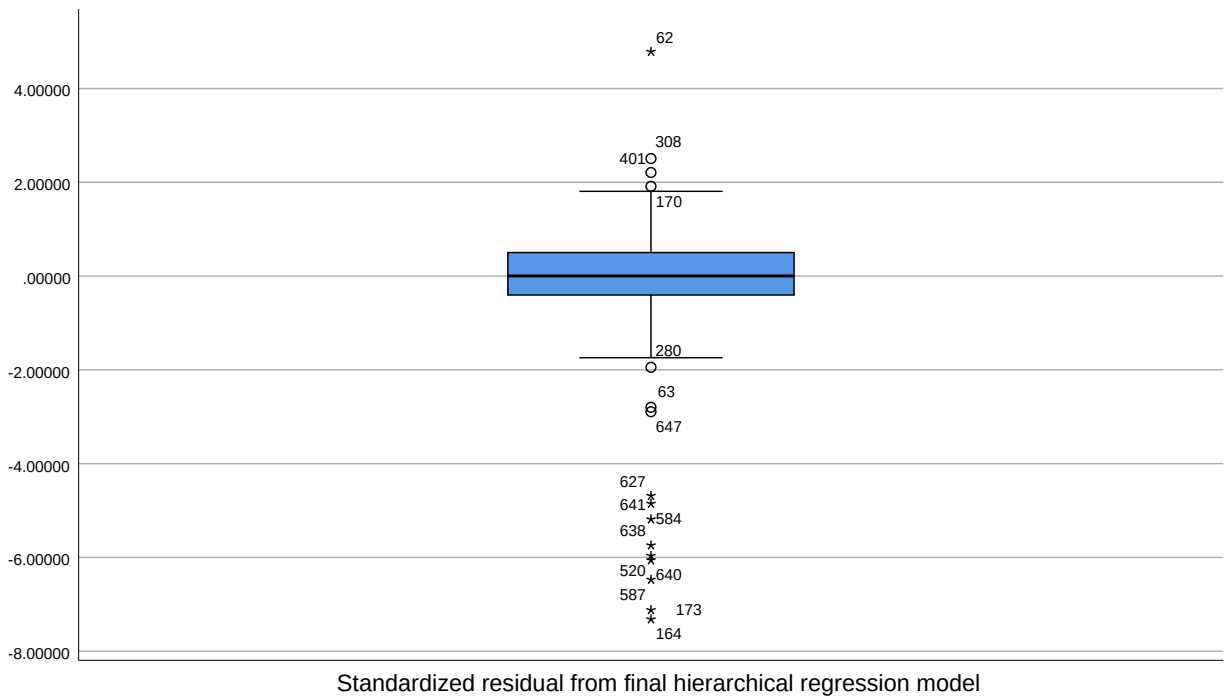
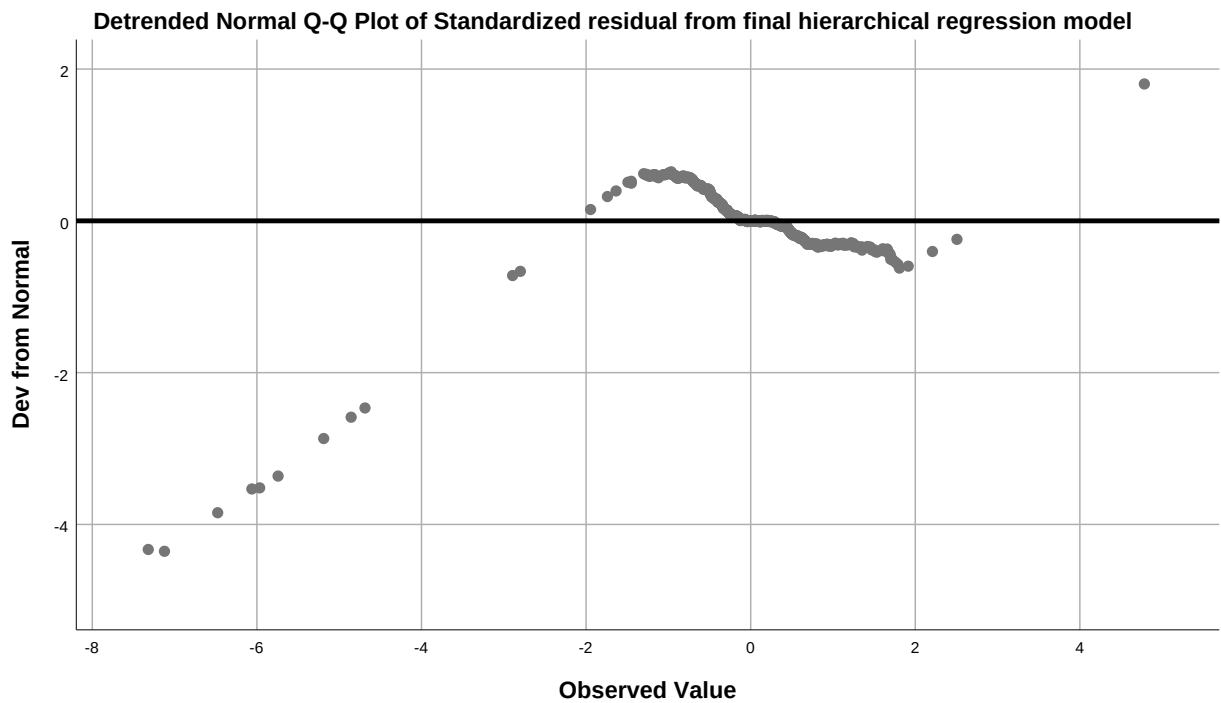
a. Lilliefors Significance Correction

Standardized residual from final hierarchical regression model

Final Hierarchical Model Residual Distribution
Standardized residual histogram and Q-Q plot



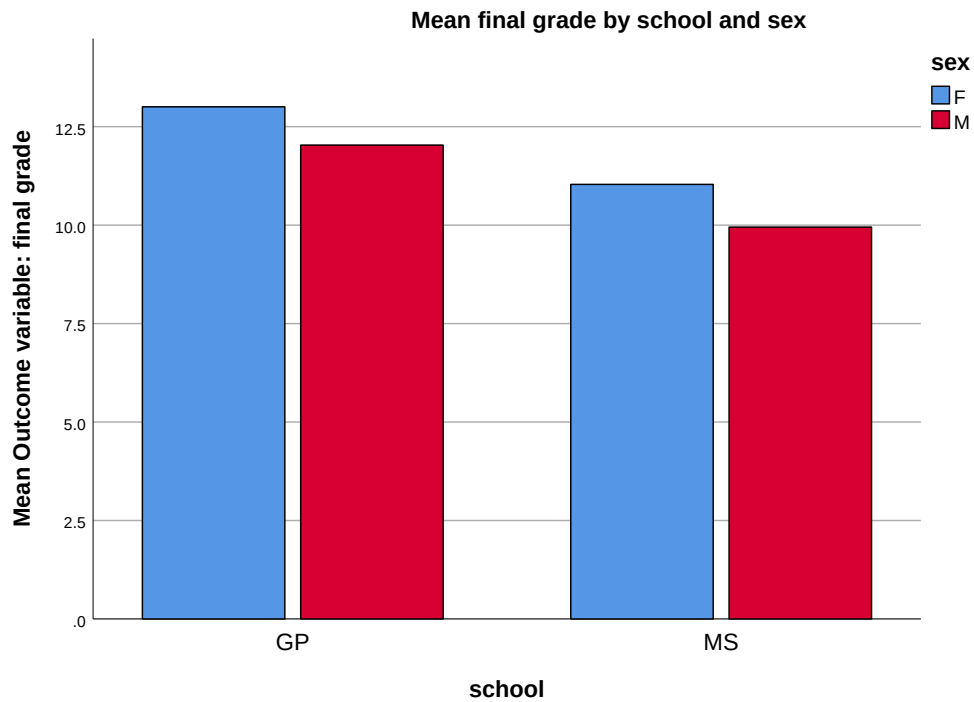
Final Hierarchical Model Residual Distribution
Standardized residual histogram and Q-Q plot



Hierarchical Regression Group Context

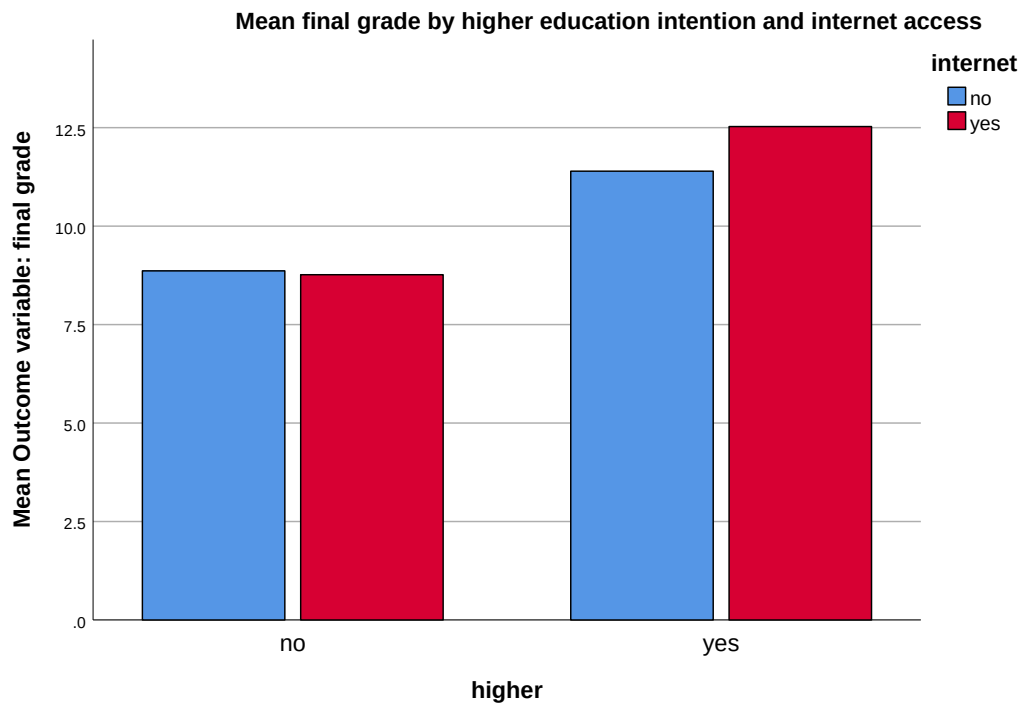
Hierarchical Regression Group Context
Mean final grade by selected background groups

Graph



Graph

Hierarchical Regression Group Context
Mean final grade by selected background groups



Hierarchical Regression Reporting Guide

Block order and interpretation variables

Summarize

Case Processing Summary

	Included		Cases Excluded		Total	
	N	Percent	N	Percent	N	Percent
Outcome variable: final grade	649	100.0%	0	0.0%	649	100.0%
First period grade	649	100.0%	0	0.0%	649	100.0%
Second period grade	649	100.0%	0	0.0%	649	100.0%
Student age	649	100.0%	0	0.0%	649	100.0%
Weekly study time group	649	100.0%	0	0.0%	649	100.0%
Number of past class failures	649	100.0%	0	0.0%	649	100.0%
School absences	649	100.0%	0	0.0%	649	100.0%
Mother education	649	100.0%	0	0.0%	649	100.0%
Father education	649	100.0%	0	0.0%	649	100.0%
Home to school travel time	649	100.0%	0	0.0%	649	100.0%
Family relationship quality	649	100.0%	0	0.0%	649	100.0%
Free time after school	649	100.0%	0	0.0%	649	100.0%
Going out with friends	649	100.0%	0	0.0%	649	100.0%
Workday alcohol consumption	649	100.0%	0	0.0%	649	100.0%
Weekend alcohol consumption	649	100.0%	0	0.0%	649	100.0%
Current health status	649	100.0%	0	0.0%	649	100.0%
School dummy: 1 = MS, 0 = GP	649	100.0%	0	0.0%	649	100.0%
Sex dummy: 1 = male, 0 = female	649	100.0%	0	0.0%	649	100.0%
Address dummy: 1 = urban, 0 = rural	649	100.0%	0	0.0%	649	100.0%
Family size dummy: 1 = LE3, 0 = GT3	649	100.0%	0	0.0%	649	100.0%

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Case Processing Summary

	Included		Cases Excluded		Total	
	N	Percent	N	Percent	N	Percent
Parent cohabitation dummy: 1 = together	649	100.0%	0	0.0%	649	100.0%
School support dummy: yes	649	100.0%	0	0.0%	649	100.0%
Family support dummy: yes	649	100.0%	0	0.0%	649	100.0%
Paid classes dummy: yes	649	100.0%	0	0.0%	649	100.0%
Activities dummy: yes	649	100.0%	0	0.0%	649	100.0%
Nursery school dummy: yes	649	100.0%	0	0.0%	649	100.0%
Higher education intention dummy: yes	649	100.0%	0	0.0%	649	100.0%
Internet access dummy: yes	649	100.0%	0	0.0%	649	100.0%
Romantic relationship dummy: yes	649	100.0%	0	0.0%	649	100.0%
Predicted G3 from final hierarchical regression model	649	100.0%	0	0.0%	649	100.0%
Residual from final hierarchical regression model	649	100.0%	0	0.0%	649	100.0%
Standardized residual from final hierarchical regression model	649	100.0%	0	0.0%	649	100.0%
Cook distance from final hierarchical regression model	649	100.0%	0	0.0%	649	100.0%

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Outcome variable: final grade	First period grade	Second period grade	Student age	Weekly study time group
1	11	0	11	18	2
2	11	9	11	17	2
3	12	12	13	15	2
4	14	14	14	15	3
5	13	11	13	16	2
6	13	12	12	16	2
7	13	13	12	16	2
8	13	10	13	17	2
9	17	15	16	15	2
10	13	12	12	15	2
11	14	14	14	15	2
12	13	10	12	15	3
13	12	12	13	15	1
14	13	12	12	15	2
15	15	14	14	15	3
16	17	17	17	16	1
17	14	13	13	16	3
18	14	13	14	16	2
19	7	8	8	17	1
20	12	12	12	16	1
21	14	12	13	15	2
22	12	11	12	15	1
23	14	12	13	16	2
24	10	10	10	16	2
25	10	10	11	15	3
26	12	10	11	16	1
27	12	11	12	15	1
28	11	11	11	15	1

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Number of past class failures	School absences	Mother education	Father education
1	0	4	4	4
2	0	2	1	1
3	0	6	1	1
4	0	0	4	2
5	0	0	3	3
6	0	6	4	3
7	0	0	2	2
8	0	2	4	4
9	0	0	3	2
10	0	0	3	4
11	0	2	4	4
12	0	0	2	1
13	0	0	4	4
14	0	0	4	3
15	0	0	2	2
16	0	6	4	4
17	0	10	4	4
18	0	2	3	3
19	3	2	3	2
20	0	6	4	3
21	0	0	4	3
22	0	0	4	4
23	0	0	4	2
24	0	2	2	2
25	0	2	2	4
26	0	6	2	2
27	0	8	2	2
28	0	0	4	2

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Home to school travel time	Family relationship quality	Free time after school	Going out with friends
1	2	4	3	4
2	1	5	3	3
3	1	4	3	2
4	1	3	2	2
5	1	4	3	2
6	1	5	4	2
7	1	4	4	4
8	2	4	1	4
9	1	4	2	2
10	1	5	5	1
11	1	3	3	3
12	3	5	2	2
13	1	4	3	3
14	2	5	4	3
15	1	4	5	2
16	1	4	4	4
17	1	3	2	3
18	3	5	3	2
19	1	5	5	5
20	1	3	1	3
21	1	4	4	1
22	1	5	4	2
23	1	4	5	1
24	2	5	4	4
25	1	4	3	2
26	1	1	2	2
27	1	4	2	2
28	1	2	2	4

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Workday alcohol consumption	Weekend alcohol consumption	Current health status	School dummy: 1 = MS, 0 = GP
1	1	1	3	No / reference
2	1	1	3	No / reference
3	2	3	3	No / reference
4	1	1	5	No / reference
5	1	2	5	No / reference
6	1	2	5	No / reference
7	1	1	3	No / reference
8	1	1	1	No / reference
9	1	1	1	No / reference
10	1	1	5	No / reference
11	1	2	2	No / reference
12	1	1	4	No / reference
13	1	3	5	No / reference
14	1	2	3	No / reference
15	1	1	3	No / reference
16	1	2	2	No / reference
17	1	2	2	No / reference
18	1	1	4	No / reference
19	2	4	5	No / reference
20	1	3	5	No / reference
21	1	1	1	No / reference
22	1	1	5	No / reference
23	1	3	5	No / reference
24	2	4	5	No / reference
25	1	1	5	No / reference
26	1	3	5	No / reference
27	1	2	5	No / reference
28	2	4	1	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Sex dummy: 1 = male, 0 = female	Address dummy: 1 = urban, 0 = rural	Family size dummy: 1 = LE3, 0 = GT3	Parent cohabitation dummy: 1 = together
1	No / reference	Yes / target	No / reference	No / reference
2	No / reference	Yes / target	No / reference	Yes / target
3	No / reference	Yes / target	Yes / target	Yes / target
4	No / reference	Yes / target	No / reference	Yes / target
5	No / reference	Yes / target	No / reference	Yes / target
6	Yes / target	Yes / target	Yes / target	Yes / target
7	Yes / target	Yes / target	Yes / target	Yes / target
8	No / reference	Yes / target	No / reference	No / reference
9	Yes / target	Yes / target	Yes / target	No / reference
10	Yes / target	Yes / target	No / reference	Yes / target
11	No / reference	Yes / target	No / reference	Yes / target
12	No / reference	Yes / target	No / reference	Yes / target
13	Yes / target	Yes / target	Yes / target	Yes / target
14	Yes / target	Yes / target	No / reference	Yes / target
15	Yes / target	Yes / target	No / reference	No / reference
16	No / reference	Yes / target	No / reference	Yes / target
17	No / reference	Yes / target	No / reference	Yes / target
18	No / reference	Yes / target	No / reference	Yes / target
19	Yes / target	Yes / target	No / reference	Yes / target
20	Yes / target	Yes / target	Yes / target	Yes / target
21	Yes / target	Yes / target	No / reference	Yes / target
22	Yes / target	Yes / target	No / reference	Yes / target
23	Yes / target	Yes / target	Yes / target	Yes / target
24	Yes / target	Yes / target	Yes / target	Yes / target
25	No / reference	No / reference	No / reference	Yes / target
26	No / reference	Yes / target	No / reference	Yes / target
27	Yes / target	Yes / target	No / reference	Yes / target
28	Yes / target	Yes / target	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	School support dummy: yes	Family support dummy: yes	Paid classes dummy: yes	Activities dummy: yes
1	Yes / target	No / reference	No / reference	No / reference
2	No / reference	Yes / target	No / reference	No / reference
3	Yes / target	No / reference	No / reference	No / reference
4	No / reference	Yes / target	No / reference	Yes / target
5	No / reference	Yes / target	No / reference	No / reference
6	No / reference	Yes / target	No / reference	Yes / target
7	No / reference	No / reference	No / reference	No / reference
8	Yes / target	Yes / target	No / reference	No / reference
9	No / reference	Yes / target	No / reference	No / reference
10	No / reference	Yes / target	No / reference	Yes / target
11	No / reference	Yes / target	No / reference	No / reference
12	No / reference	Yes / target	No / reference	Yes / target
13	No / reference	Yes / target	No / reference	Yes / target
14	No / reference	Yes / target	No / reference	No / reference
15	No / reference	Yes / target	No / reference	No / reference
16	No / reference	Yes / target	No / reference	No / reference
17	No / reference	Yes / target	No / reference	Yes / target
18	Yes / target	Yes / target	No / reference	Yes / target
19	No / reference	Yes / target	Yes / target	Yes / target
20	No / reference	No / reference	No / reference	Yes / target
21	No / reference	No / reference	No / reference	No / reference
22	No / reference	Yes / target	Yes / target	No / reference
23	No / reference	No / reference	No / reference	Yes / target
24	No / reference	Yes / target	No / reference	Yes / target
25	Yes / target	Yes / target	No / reference	Yes / target
26	No / reference	Yes / target	No / reference	No / reference
27	No / reference	Yes / target	No / reference	No / reference
28	No / reference	No / reference	No / reference	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Nursery school dummy: yes	Higher education intention dummy: yes	Internet access dummy: yes	Romantic relationship dummy: yes
1	Yes / target	Yes / target	No / reference	No / reference
2	No / reference	Yes / target	Yes / target	No / reference
3	Yes / target	Yes / target	Yes / target	No / reference
4	Yes / target	Yes / target	Yes / target	Yes / target
5	Yes / target	Yes / target	No / reference	No / reference
6	Yes / target	Yes / target	Yes / target	No / reference
7	Yes / target	Yes / target	Yes / target	No / reference
8	Yes / target	Yes / target	No / reference	No / reference
9	Yes / target	Yes / target	Yes / target	No / reference
10	Yes / target	Yes / target	Yes / target	No / reference
11	Yes / target	Yes / target	Yes / target	No / reference
12	Yes / target	Yes / target	Yes / target	No / reference
13	Yes / target	Yes / target	Yes / target	No / reference
14	Yes / target	Yes / target	Yes / target	No / reference
15	Yes / target	Yes / target	Yes / target	Yes / target
16	Yes / target	Yes / target	Yes / target	No / reference
17	Yes / target	Yes / target	Yes / target	No / reference
18	Yes / target	Yes / target	No / reference	No / reference
19	Yes / target	Yes / target	Yes / target	No / reference
20	Yes / target	Yes / target	Yes / target	No / reference
21	Yes / target	Yes / target	Yes / target	No / reference
22	Yes / target	Yes / target	Yes / target	No / reference
23	Yes / target	Yes / target	Yes / target	No / reference
24	Yes / target	Yes / target	Yes / target	No / reference
25	Yes / target	Yes / target	Yes / target	No / reference
26	No / reference	Yes / target	Yes / target	No / reference
27	Yes / target	Yes / target	Yes / target	No / reference
28	Yes / target	Yes / target	Yes / target	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Predicted G3 from final hierarchical regression model	Residual from final hierarchical regression model	Standardized residual from final hierarchical regression model	Cook distance from final hierarchical regression model
1	10.11904	.88096	.76481	.00366
2	11.50681	-.50681	-.41068	.00017
3	13.15050	-1.15050	-.93813	.00129
4	14.49513	-.49513	-.40115	.00016
5	13.16311	-.16311	-.13188	.00001
6	12.42620	.57380	.46330	.00016
7	12.45053	.54947	.44477	.00019
8	13.32644	-.32644	-.26926	.00017
9	16.54494	.45506	.37072	.00019
10	12.33843	.66157	.53702	.00033
11	14.61479	-.61479	-.49561	.00016
12	12.63630	.36370	.29627	.00012
13	13.18795	-1.18795	-.96039	.00078
14	12.42252	.57748	.46619	.00016
15	14.49131	.50869	.41670	.00031
16	17.57870	-.57870	-.46826	.00020
17	13.88458	.11542	.09318	.00001
18	14.44441	-.44441	-.36280	.00020
19	7.30863	-.30863	-.25669	.00019
20	12.36322	-.36322	-.29477	.00010
21	13.18512	.81488	.66186	.00052
22	11.92236	.07764	.06353	.00001
23	13.04373	.95627	.77919	.00086
24	10.44206	-.44206	-.35685	.00009
25	11.18488	-1.18488	-.96660	.00140
26	11.66030	.33970	.27701	.00011
27	12.33401	-.33401	-.27013	.00006
28	11.18500	-.18500	-.15086	.00003

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Outcome variable: final grade	First period grade	Second period grade	Student age	Weekly study time group
29	13	12	12	16	2
30	12	12	11	16	2
31	11	10	11	15	2
32	15	15	15	15	2
33	15	13	14	15	2
34	12	13	12	15	2
35	12	12	12	16	1
36	11	11	11	15	1
37	14	14	14	15	3
38	13	13	13	16	3
39	12	11	12	15	3
40	12	14	13	15	1
41	10	11	11	16	2
42	11	10	11	15	1
43	15	14	15	15	2
44	10	9	10	15	1
45	11	10	11	16	2
46	11	10	11	15	2
47	13	13	12	16	2
48	17	17	17	16	4
49	13	11	12	15	2
50	12	13	12	15	2
51	13	14	13	16	2
52	16	16	14	15	2
53	9	10	9	15	1
54	12	13	12	15	1
55	13	13	12	15	1
56	12	12	13	16	2

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Number of past class failures	School absences	Mother education	Father education
29	0	2	3	4
30	0	4	4	4
31	0	0	4	4
32	0	2	4	4
33	0	0	4	3
34	0	0	3	3
35	0	4	3	2
36	0	4	2	3
37	0	0	4	3
38	0	4	4	4
39	0	2	3	4
40	0	8	2	2
41	0	16	2	2
42	0	8	4	4
43	0	0	4	4
44	0	0	2	2
45	1	14	2	2
46	0	4	4	3
47	0	6	3	3
48	0	2	4	3
49	0	4	4	2
50	0	2	4	4
51	0	0	2	2
52	0	0	4	2
53	0	4	4	2
54	0	0	4	4
55	0	0	3	3
56	0	2	2	1

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Home to school travel time	Family relationship quality	Free time after school	Going out with friends
29	1	5	3	3
30	1	4	4	5
31	1	5	4	2
32	2	4	3	1
33	1	4	5	2
34	1	5	3	2
35	1	5	4	3
36	2	3	5	1
37	1	5	4	3
38	2	2	4	3
39	1	4	3	2
40	1	4	3	1
41	2	3	3	3
42	1	5	4	3
43	1	4	3	3
44	1	5	4	1
45	2	4	3	3
46	1	5	2	2
47	1	2	3	5
48	1	4	2	2
49	1	4	3	3
50	1	4	4	4
51	3	4	3	3
52	1	4	3	3
53	2	5	5	5
54	1	3	3	4
55	1	5	3	4
56	1	5	3	4

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Workday alcohol consumption	Weekend alcohol consumption	Current health status	School dummy: 1 = MS, 0 = GP
29	1	1	5	No / reference
30	5	5	5	No / reference
31	3	4	5	No / reference
32	1	1	5	No / reference
33	1	1	5	No / reference
34	1	1	2	No / reference
35	1	1	5	No / reference
36	1	1	5	No / reference
37	1	1	4	No / reference
38	1	1	5	No / reference
39	1	1	5	No / reference
40	1	1	2	No / reference
41	1	2	3	No / reference
42	2	4	5	No / reference
43	1	1	5	No / reference
44	1	1	1	No / reference
45	2	2	5	No / reference
46	1	1	5	No / reference
47	1	4	3	No / reference
48	1	1	2	No / reference
49	2	2	5	No / reference
50	1	1	3	No / reference
51	2	3	4	No / reference
52	1	1	5	No / reference
53	3	4	5	No / reference
54	2	3	5	No / reference
55	4	4	1	No / reference
56	1	1	2	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Sex dummy: 1 = male, 0 = female	Address dummy: 1 = urban, 0 = rural	Family size dummy: 1 = LE3, 0 = GT3	Parent cohabitation dummy: 1 = together
29	Yes / target	Yes / target	Yes / target	No / reference
30	Yes / target	Yes / target	No / reference	Yes / target
31	Yes / target	Yes / target	No / reference	Yes / target
32	Yes / target	Yes / target	No / reference	Yes / target
33	Yes / target	No / reference	No / reference	Yes / target
34	Yes / target	Yes / target	Yes / target	Yes / target
35	Yes / target	Yes / target	No / reference	Yes / target
36	No / reference	Yes / target	No / reference	Yes / target
37	Yes / target	Yes / target	Yes / target	Yes / target
38	Yes / target	No / reference	No / reference	No / reference
39	No / reference	No / reference	No / reference	Yes / target
40	No / reference	No / reference	No / reference	Yes / target
41	No / reference	Yes / target	Yes / target	Yes / target
42	Yes / target	Yes / target	Yes / target	Yes / target
43	Yes / target	Yes / target	No / reference	Yes / target
44	Yes / target	Yes / target	No / reference	Yes / target
45	No / reference	Yes / target	Yes / target	Yes / target
46	No / reference	Yes / target	Yes / target	No / reference
47	No / reference	Yes / target	Yes / target	No / reference
48	Yes / target	Yes / target	No / reference	Yes / target
49	Yes / target	Yes / target	No / reference	Yes / target
50	No / reference	Yes / target	No / reference	Yes / target
51	No / reference	Yes / target	Yes / target	Yes / target
52	No / reference	Yes / target	Yes / target	Yes / target
53	Yes / target	Yes / target	Yes / target	No / reference
54	No / reference	Yes / target	No / reference	Yes / target
55	No / reference	Yes / target	Yes / target	No / reference
56	No / reference	Yes / target	No / reference	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	School support dummy: yes	Family support dummy: yes	Paid classes dummy: yes	Activities dummy: yes
29	Yes / target	Yes / target	Yes / target	Yes / target
30	No / reference	Yes / target	Yes / target	Yes / target
31	No / reference	Yes / target	Yes / target	No / reference
32	No / reference	Yes / target	No / reference	Yes / target
33	No / reference	Yes / target	No / reference	Yes / target
34	No / reference	No / reference	No / reference	Yes / target
35	No / reference	Yes / target	No / reference	No / reference
36	No / reference	Yes / target	No / reference	Yes / target
37	No / reference	Yes / target	No / reference	Yes / target
38	No / reference	Yes / target	No / reference	Yes / target
39	Yes / target	Yes / target	No / reference	Yes / target
40	Yes / target	Yes / target	No / reference	Yes / target
41	No / reference	Yes / target	No / reference	Yes / target
42	No / reference	Yes / target	No / reference	No / reference
43	No / reference	Yes / target	No / reference	Yes / target
44	Yes / target	Yes / target	No / reference	No / reference
45	Yes / target	No / reference	No / reference	Yes / target
46	Yes / target	Yes / target	Yes / target	Yes / target
47	No / reference	Yes / target	No / reference	No / reference
48	No / reference	No / reference	No / reference	Yes / target
49	No / reference	Yes / target	No / reference	No / reference
50	Yes / target	Yes / target	No / reference	Yes / target
51	No / reference	Yes / target	No / reference	No / reference
52	No / reference	Yes / target	No / reference	No / reference
53	No / reference	No / reference	No / reference	No / reference
54	Yes / target	Yes / target	No / reference	No / reference
55	No / reference	No / reference	No / reference	No / reference
56	No / reference	No / reference	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Nursery school dummy: yes	Higher education intention dummy: yes	Internet access dummy: yes	Romantic relationship dummy: yes
29	Yes / target	Yes / target	Yes / target	No / reference
30	Yes / target	Yes / target	Yes / target	Yes / target
31	No / reference	Yes / target	Yes / target	No / reference
32	Yes / target	Yes / target	Yes / target	No / reference
33	Yes / target	Yes / target	Yes / target	Yes / target
34	No / reference	Yes / target	Yes / target	No / reference
35	No / reference	Yes / target	Yes / target	No / reference
36	Yes / target	Yes / target	No / reference	No / reference
37	Yes / target	Yes / target	Yes / target	No / reference
38	Yes / target	Yes / target	Yes / target	Yes / target
39	Yes / target	Yes / target	Yes / target	No / reference
40	Yes / target	Yes / target	No / reference	No / reference
41	No / reference	Yes / target	Yes / target	Yes / target
42	No / reference	Yes / target	Yes / target	Yes / target
43	Yes / target	Yes / target	Yes / target	No / reference
44	Yes / target	Yes / target	Yes / target	No / reference
45	Yes / target	Yes / target	Yes / target	No / reference
46	Yes / target	Yes / target	Yes / target	Yes / target
47	Yes / target	Yes / target	Yes / target	No / reference
48	Yes / target	Yes / target	Yes / target	No / reference
49	Yes / target	Yes / target	No / reference	No / reference
50	No / reference	Yes / target	Yes / target	No / reference
51	Yes / target	Yes / target	Yes / target	No / reference
52	Yes / target	Yes / target	Yes / target	No / reference
53	Yes / target	Yes / target	No / reference	No / reference
54	Yes / target	Yes / target	Yes / target	No / reference
55	Yes / target	Yes / target	Yes / target	No / reference
56	Yes / target	Yes / target	Yes / target	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Predicted G3 from final hierarchical regression model	Residual from final hierarchical regression model	Standardized residual from final hierarchical regression model	Cook distance from final hierarchical regression model
29	12.19123	.80877	.66836	.00109
30	10.92165	1.07835	.88818	.00173
31	10.86162	.13838	.11388	.00003
32	15.55557	-.55557	-.44950	.00018
33	13.94782	1.05218	.85508	.00089
34	12.59136	-.59136	-.48044	.00028
35	12.37471	-.37471	-.30339	.00009
36	11.63580	-.63580	-.51957	.00044
37	14.37763	-.37763	-.30507	.00007
38	13.58312	-.58312	-.47863	.00044
39	12.13143	-.13143	-.10689	.00001
40	13.42056	-1.42056	-1.16446	.00250
41	12.13658	-2.13658	-1.74067	.00424
42	11.15796	-.15796	-.12888	.00003
43	15.21493	-.21493	-.17347	.00002
44	10.10516	-.10516	-.08610	.00001
45	11.16545	-.16545	-.13558	.00003
46	11.11332	-.11332	-.09377	.00002
47	12.93568	.06432	.05236	.00000
48	17.49392	-.49392	-.40117	.00019
49	11.99788	1.00212	.81352	.00076
50	12.53097	-.53097	-.43211	.00025
51	13.92595	-.92595	-.74995	.00055
52	14.67537	1.32463	1.07448	.00126
53	9.11976	-.11976	-.09840	.00002
54	12.21018	-.21018	-.17097	.00004
55	12.40416	.59584	.49172	.00056
56	13.41695	-1.41695	-1.15397	.00183

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Outcome variable: final grade	First period grade	Second period grade	Student age	Weekly study time group
57	15	15	14	15	2
58	16	15	15	15	2
59	14	14	13	15	2
60	16	16	15	16	2
61	16	17	16	16	2
62	16	10	10	16	1
63	10	13	13	16	2
64	13	14	13	16	3
65	12	13	12	15	2
66	16	16	15	16	2
67	12	11	12	15	4
68	10	10	9	16	4
69	11	11	10	15	2
70	15	15	15	15	4
71	11	13	11	16	4
72	10	11	9	15	4
73	11	13	11	15	2
74	14	13	13	16	1
75	11	11	11	16	2
76	11	11	11	15	2
77	11	12	11	15	4
78	13	13	13	16	4
79	10	9	9	17	1
80	11	12	11	16	2
81	12	11	11	15	1
82	9	10	9	15	3
83	11	12	11	15	2
84	13	13	12	15	2

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Number of past class failures	School absences	Mother education	Father education
57	0	0	4	3
58	0	8	4	4
59	0	0	1	2
60	0	2	4	2
61	0	0	4	4
62	0	0	1	1
63	0	0	1	2
64	0	0	4	3
65	0	0	4	3
66	0	2	4	3
67	0	0	4	4
68	0	0	3	1
69	0	0	2	2
70	0	6	3	1
71	0	2	3	1
72	0	0	4	2
73	0	2	1	1
74	0	0	3	1
75	0	4	3	3
76	0	0	4	3
77	0	0	4	0
78	0	1	2	2
79	3	0	2	1
80	0	14	3	4
81	0	0	2	3
82	0	2	2	3
83	0	4	3	2
84	0	2	2	2

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Home to school travel time	Family relationship quality	Free time after school	Going out with friends
57	1	4	3	2
58	1	3	2	2
59	1	4	3	2
60	1	4	2	3
61	1	2	4	4
62	4	5	5	5
63	1	4	4	3
64	1	3	4	4
65	1	4	4	4
66	3	5	4	3
67	1	1	3	3
68	1	4	3	3
69	2	4	1	3
70	2	4	4	2
71	2	4	3	2
72	1	3	3	3
73	1	3	3	4
74	1	5	3	2
75	1	4	3	3
76	1	4	3	3
77	2	3	4	3
78	1	5	2	3
79	2	4	5	1
80	1	2	4	3
81	1	3	2	2
82	1	5	3	2
83	1	4	4	4
84	2	5	3	3

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Workday alcohol consumption	Weekend alcohol consumption	Current health status	School dummy: 1 = MS, 0 = GP
57	1	1	1	No / reference
58	1	1	5	No / reference
59	1	1	5	No / reference
60	1	1	5	No / reference
61	2	3	4	No / reference
62	5	5	5	No / reference
63	1	1	1	No / reference
64	2	4	4	No / reference
65	2	4	2	No / reference
66	1	2	1	No / reference
67	5	5	3	No / reference
68	1	2	5	No / reference
69	1	3	4	No / reference
70	2	3	3	No / reference
71	1	1	5	No / reference
72	1	1	3	No / reference
73	2	4	5	No / reference
74	2	2	5	No / reference
75	2	4	5	No / reference
76	2	3	5	No / reference
77	1	1	1	No / reference
78	1	3	3	No / reference
79	1	1	3	No / reference
80	1	2	3	No / reference
81	1	3	3	No / reference
82	1	2	5	No / reference
83	1	1	5	No / reference
84	1	3	4	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Sex dummy: 1 = male, 0 = female	Address dummy: 1 = urban, 0 = rural	Family size dummy: 1 = LE3, 0 = GT3	Parent cohabitation dummy: 1 = together
57	No / reference	Yes / target	No / reference	No / reference
58	Yes / target	Yes / target	No / reference	Yes / target
59	Yes / target	Yes / target	Yes / target	Yes / target
60	No / reference	Yes / target	No / reference	Yes / target
61	No / reference	No / reference	No / reference	Yes / target
62	No / reference	Yes / target	No / reference	Yes / target
63	No / reference	Yes / target	Yes / target	Yes / target
64	No / reference	Yes / target	No / reference	Yes / target
65	No / reference	Yes / target	Yes / target	Yes / target
66	No / reference	Yes / target	Yes / target	Yes / target
67	Yes / target	Yes / target	No / reference	No / reference
68	No / reference	Yes / target	No / reference	Yes / target
69	No / reference	No / reference	Yes / target	Yes / target
70	No / reference	No / reference	Yes / target	Yes / target
71	Yes / target	Yes / target	No / reference	Yes / target
72	Yes / target	Yes / target	No / reference	Yes / target
73	No / reference	No / reference	No / reference	Yes / target
74	Yes / target	Yes / target	No / reference	Yes / target
75	No / reference	Yes / target	No / reference	Yes / target
76	Yes / target	Yes / target	No / reference	Yes / target
77	Yes / target	Yes / target	No / reference	Yes / target
78	No / reference	Yes / target	No / reference	Yes / target
79	Yes / target	Yes / target	No / reference	Yes / target
80	No / reference	Yes / target	No / reference	Yes / target
81	Yes / target	Yes / target	No / reference	Yes / target
82	Yes / target	Yes / target	No / reference	Yes / target
83	No / reference	Yes / target	Yes / target	Yes / target
84	Yes / target	Yes / target	Yes / target	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	School support dummy: yes	Family support dummy: yes	Paid classes dummy: yes	Activities dummy: yes
57	No / reference	Yes / target	No / reference	Yes / target
58	No / reference	Yes / target	No / reference	Yes / target
59	Yes / target	Yes / target	No / reference	Yes / target
60	No / reference	Yes / target	Yes / target	No / reference
61	No / reference	Yes / target	No / reference	Yes / target
62	Yes / target	Yes / target	No / reference	Yes / target
63	Yes / target	No / reference	No / reference	Yes / target
64	Yes / target	Yes / target	No / reference	Yes / target
65	Yes / target	No / reference	No / reference	Yes / target
66	No / reference	Yes / target	No / reference	Yes / target
67	No / reference	Yes / target	No / reference	Yes / target
68	Yes / target	Yes / target	No / reference	No / reference
69	Yes / target	Yes / target	No / reference	No / reference
70	No / reference	Yes / target	No / reference	No / reference
71	No / reference	Yes / target	No / reference	No / reference
72	No / reference	No / reference	No / reference	No / reference
73	Yes / target	Yes / target	No / reference	No / reference
74	No / reference	No / reference	No / reference	Yes / target
75	Yes / target	Yes / target	No / reference	Yes / target
76	No / reference	Yes / target	No / reference	Yes / target
77	No / reference	No / reference	No / reference	Yes / target
78	No / reference	No / reference	No / reference	No / reference
79	Yes / target	Yes / target	No / reference	Yes / target
80	No / reference	Yes / target	No / reference	No / reference
81	Yes / target	Yes / target	No / reference	Yes / target
82	Yes / target	No / reference	No / reference	No / reference
83	No / reference	Yes / target	No / reference	No / reference
84	No / reference	No / reference	Yes / target	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Nursery school dummy: yes	Higher education intention dummy: yes	Internet access dummy: yes	Romantic relationship dummy: yes
57	Yes / target	Yes / target	Yes / target	No / reference
58	Yes / target	Yes / target	No / reference	No / reference
59	Yes / target	Yes / target	Yes / target	No / reference
60	Yes / target	Yes / target	Yes / target	No / reference
61	Yes / target	Yes / target	No / reference	No / reference
62	No / reference	Yes / target	Yes / target	Yes / target
63	Yes / target	Yes / target	Yes / target	No / reference
64	Yes / target	Yes / target	Yes / target	No / reference
65	Yes / target	Yes / target	Yes / target	Yes / target
66	Yes / target	Yes / target	Yes / target	No / reference
67	No / reference	Yes / target	Yes / target	Yes / target
68	Yes / target	Yes / target	Yes / target	No / reference
69	Yes / target	Yes / target	Yes / target	No / reference
70	No / reference	Yes / target	Yes / target	No / reference
71	Yes / target	Yes / target	Yes / target	No / reference
72	Yes / target	Yes / target	Yes / target	No / reference
73	No / reference	Yes / target	Yes / target	Yes / target
74	Yes / target	Yes / target	No / reference	No / reference
75	Yes / target	Yes / target	Yes / target	No / reference
76	Yes / target	Yes / target	Yes / target	No / reference
77	Yes / target	Yes / target	Yes / target	No / reference
78	Yes / target	Yes / target	Yes / target	Yes / target
79	Yes / target	No / reference	Yes / target	No / reference
80	Yes / target	Yes / target	Yes / target	No / reference
81	No / reference	Yes / target	Yes / target	Yes / target
82	No / reference	Yes / target	Yes / target	No / reference
83	Yes / target	Yes / target	Yes / target	No / reference
84	Yes / target	Yes / target	Yes / target	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Predicted G3 from final hierarchical regression model	Residual from final hierarchical regression model	Standardized residual from final hierarchical regression model	Cook distance from final hierarchical regression model
57	14.86526	.13474	.10965	.00002
58	15.44928	.55072	.44780	.00025
59	13.40625	.59375	.48451	.00036
60	15.42927	.57073	.46725	.00038
61	16.35149	-.35149	-.28718	.00013
62	10.30507	5.69493	4.78345	.08368
63	13.43079	-3.43079	-2.79883	.01171
64	13.33370	-.33370	-.27134	.00009
65	12.15471	-.15471	-.12668	.00003
66	16.06302	-.06302	-.05135	.00000
67	12.29273	-.29273	-.24550	.00021
68	9.41688	.58312	.47549	.00033
69	10.50606	.49394	.40351	.00026
70	15.67966	-.67966	-.55892	.00065
71	11.83885	-.83885	-.68283	.00062
72	9.55960	.44040	.35986	.00021
73	11.34525	-.34525	-.28346	.00016
74	12.95265	1.04735	.85111	.00088
75	11.25373	-.25373	-.20571	.00004
76	11.20730	-.20730	-.16705	.00002
77	11.60628	-.60628	-.49963	.00056
78	13.47424	-.47424	-.38584	.00019
79	8.53193	1.46807	1.22813	.00505
80	11.97577	-.97577	-.79180	.00070
81	11.32533	.67467	.55347	.00058
82	9.26879	-.26879	-.21977	.00008
83	11.61623	-.61623	-.49881	.00023
84	12.38746	.61254	.50193	.00046

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Outcome variable: final grade	First period grade	Second period grade	Student age	Weekly study time group
85	12	13	12	15	2
86	12	12	11	15	2
87	11	13	11	16	2
88	15	15	15	15	3
89	11	12	10	16	2
90	10	9	9	16	2
91	11	9	11	16	3
92	13	14	13	15	1
93	12	12	13	16	2
94	14	13	14	16	2
95	12	11	12	15	4
96	13	13	13	15	4
97	11	9	11	16	1
98	12	13	12	16	2
99	13	12	13	16	1
100	13	12	13	16	3
101	8	9	9	16	1
102	16	16	16	16	3
103	12	12	13	15	1
104	10	11	10	15	2
105	16	16	16	15	2
106	10	10	10	15	4
107	10	10	10	15	4
108	14	13	14	16	3
109	11	12	10	15	4
110	14	15	15	16	3
111	14	13	14	15	1
112	11	11	11	16	3

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Number of past class failures	School absences	Mother education	Father education
85	0	2	1	1
86	0	4	4	4
87	0	6	2	2
88	0	4	4	2
89	0	6	2	2
90	0	6	4	4
91	0	2	3	3
92	0	6	4	3
93	0	0	3	1
94	0	2	4	2
95	0	2	2	2
96	0	4	1	1
97	0	6	4	3
98	0	0	2	1
99	0	4	4	4
100	0	2	4	3
101	0	12	4	4
102	0	0	4	4
103	0	2	4	4
104	0	16	3	2
105	0	0	3	4
106	0	10	3	3
107	0	4	2	2
108	0	4	3	3
109	0	8	4	4
110	0	2	4	4
111	0	4	4	4
112	0	4	3	3

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Home to school travel time	Family relationship quality	Free time after school	Going out with friends
85	1	4	3	2
86	2	4	4	4
87	1	4	3	4
88	1	5	3	3
89	2	4	4	2
90	1	4	1	3
91	1	4	3	3
92	1	4	5	5
93	1	3	3	3
94	2	5	3	3
95	1	4	3	4
96	2	3	1	2
97	2	3	3	3
98	1	4	3	5
99	1	5	3	4
100	1	5	3	5
101	1	4	5	5
102	1	4	4	3
103	1	5	3	3
104	2	4	3	5
105	1	5	4	4
106	1	4	3	3
107	1	5	1	2
108	1	5	3	3
109	4	1	3	5
110	1	5	4	5
111	1	5	5	3
112	1	4	1	2

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Workday alcohol consumption	Weekend alcohol consumption	Current health status	School dummy: 1 = MS, 0 = GP
85	2	3	4	No / reference
86	2	3	5	No / reference
87	1	2	2	No / reference
88	1	3	1	No / reference
89	1	1	3	No / reference
90	3	5	5	No / reference
91	1	3	4	No / reference
92	1	3	1	No / reference
93	2	3	2	No / reference
94	1	1	1	No / reference
95	1	1	4	No / reference
96	1	1	1	No / reference
97	1	1	4	No / reference
98	1	1	5	No / reference
99	1	2	1	No / reference
100	1	1	3	No / reference
101	5	5	4	No / reference
102	1	1	4	No / reference
103	1	1	5	No / reference
104	1	1	2	No / reference
105	1	1	1	No / reference
106	1	1	4	No / reference
107	1	1	3	No / reference
108	1	1	5	No / reference
109	3	5	1	No / reference
110	1	1	4	No / reference
111	1	1	4	No / reference
112	1	1	2	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Sex dummy: 1 = male, 0 = female	Address dummy: 1 = urban, 0 = rural	Family size dummy: 1 = LE3, 0 = GT3	Parent cohabitation dummy: 1 = together
85	No / reference	Yes / target	No / reference	Yes / target
86	No / reference	Yes / target	No / reference	Yes / target
87	No / reference	Yes / target	Yes / target	Yes / target
88	No / reference	Yes / target	No / reference	Yes / target
89	Yes / target	Yes / target	No / reference	Yes / target
90	Yes / target	Yes / target	Yes / target	No / reference
91	No / reference	Yes / target	No / reference	Yes / target
92	No / reference	Yes / target	No / reference	Yes / target
93	No / reference	Yes / target	Yes / target	Yes / target
94	No / reference	Yes / target	No / reference	Yes / target
95	Yes / target	Yes / target	Yes / target	Yes / target
96	No / reference	No / reference	No / reference	Yes / target
97	Yes / target	No / reference	No / reference	Yes / target
98	No / reference	Yes / target	No / reference	Yes / target
99	No / reference	Yes / target	No / reference	Yes / target
100	No / reference	Yes / target	No / reference	Yes / target
101	Yes / target	Yes / target	No / reference	Yes / target
102	Yes / target	Yes / target	No / reference	Yes / target
103	Yes / target	Yes / target	No / reference	Yes / target
104	No / reference	Yes / target	No / reference	Yes / target
105	Yes / target	Yes / target	No / reference	No / reference
106	No / reference	Yes / target	No / reference	No / reference
107	No / reference	Yes / target	No / reference	Yes / target
108	Yes / target	Yes / target	No / reference	Yes / target
109	Yes / target	No / reference	No / reference	Yes / target
110	No / reference	Yes / target	Yes / target	Yes / target
111	Yes / target	Yes / target	Yes / target	No / reference
112	No / reference	No / reference	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	School support dummy: yes	Family support dummy: yes	Paid classes dummy: yes	Activities dummy: yes
85	No / reference	Yes / target	No / reference	Yes / target
86	No / reference	No / reference	No / reference	No / reference
87	No / reference	Yes / target	No / reference	No / reference
88	No / reference	Yes / target	No / reference	Yes / target
89	No / reference	No / reference	No / reference	Yes / target
90	No / reference	Yes / target	No / reference	No / reference
91	No / reference	Yes / target	No / reference	No / reference
92	No / reference	No / reference	No / reference	Yes / target
93	Yes / target	Yes / target	No / reference	No / reference
94	No / reference	Yes / target	No / reference	Yes / target
95	No / reference	Yes / target	No / reference	Yes / target
96	Yes / target	Yes / target	Yes / target	Yes / target
97	Yes / target	Yes / target	Yes / target	Yes / target
98	No / reference	Yes / target	No / reference	No / reference
99	No / reference	No / reference	No / reference	Yes / target
100	Yes / target	Yes / target	No / reference	No / reference
101	Yes / target	Yes / target	No / reference	Yes / target
102	No / reference	Yes / target	No / reference	Yes / target
103	No / reference	Yes / target	Yes / target	Yes / target
104	Yes / target	Yes / target	No / reference	No / reference
105	No / reference	Yes / target	No / reference	Yes / target
106	Yes / target	No / reference	No / reference	No / reference
107	Yes / target	Yes / target	No / reference	No / reference
108	No / reference	Yes / target	No / reference	Yes / target
109	No / reference	Yes / target	No / reference	Yes / target
110	No / reference	Yes / target	No / reference	Yes / target
111	No / reference	No / reference	No / reference	Yes / target
112	Yes / target	Yes / target	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Nursery school dummy: yes	Higher education intention dummy: yes	Internet access dummy: yes	Romantic relationship dummy: yes
85	No / reference	Yes / target	Yes / target	No / reference
86	Yes / target	Yes / target	Yes / target	Yes / target
87	Yes / target	Yes / target	No / reference	No / reference
88	Yes / target	Yes / target	Yes / target	No / reference
89	No / reference	Yes / target	Yes / target	No / reference
90	Yes / target	Yes / target	No / reference	No / reference
91	Yes / target	Yes / target	Yes / target	Yes / target
92	Yes / target	Yes / target	Yes / target	No / reference
93	Yes / target	Yes / target	No / reference	No / reference
94	Yes / target	Yes / target	Yes / target	No / reference
95	Yes / target	Yes / target	Yes / target	No / reference
96	Yes / target	Yes / target	Yes / target	No / reference
97	No / reference	Yes / target	Yes / target	No / reference
98	Yes / target	Yes / target	No / reference	Yes / target
99	No / reference	Yes / target	Yes / target	No / reference
100	Yes / target	Yes / target	Yes / target	No / reference
101	Yes / target	Yes / target	Yes / target	No / reference
102	Yes / target	Yes / target	Yes / target	Yes / target
103	No / reference	Yes / target	Yes / target	No / reference
104	Yes / target	Yes / target	Yes / target	No / reference
105	Yes / target	Yes / target	Yes / target	No / reference
106	Yes / target	Yes / target	No / reference	No / reference
107	Yes / target	Yes / target	Yes / target	No / reference
108	Yes / target	Yes / target	Yes / target	No / reference
109	Yes / target	Yes / target	Yes / target	Yes / target
110	Yes / target	Yes / target	Yes / target	Yes / target
111	Yes / target	Yes / target	Yes / target	No / reference
112	Yes / target	Yes / target	Yes / target	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Predicted G3 from final hierarchical regression model	Residual from final hierarchical regression model	Standardized residual from final hierarchical regression model	Cook distance from final hierarchical regression model
85	12.73994	-.73994	-.60024	.00039
86	11.42221	.57779	.46914	.00025
87	11.90555	-.90555	-.73411	.00056
88	15.61203	-.61203	-.49690	.00028
89	10.92763	.07237	.05867	.00000
90	9.35224	.64776	.53101	.00052
91	11.28852	-.28852	-.23347	.00005
92	13.50045	-.50045	-.40687	.00021
93	13.10530	-1.10530	-.90384	.00136
94	14.63888	-.63888	-.51656	.00023
95	12.44941	-.44941	-.36600	.00018
96	13.57845	-.57845	-.48044	.00065
97	10.92306	.07694	.06378	.00001
98	12.43218	-.43218	-.35174	.00016
99	13.44690	-.44690	-.36341	.00017
100	13.18516	-.18516	-.15039	.00003
101	8.88591	-.88591	-.72810	.00108
102	16.38240	-.38240	-.30908	.00008
103	13.08462	-1.08462	-.88883	.00144
104	10.80630	-.80630	-.66047	.00078
105	16.57798	-.57798	-.47302	.00039
106	10.38960	-.38960	-.32049	.00022
107	10.54239	-.54239	-.44262	.00030
108	14.34417	-.34417	-.27758	.00005
109	11.06521	-.06521	-.05438	.00001
110	15.52216	-1.52216	-1.23424	.00162
111	14.18875	-.18875	-.15371	.00003
112	11.48302	-.48302	-.39339	.00021

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Outcome variable: final grade	First period grade	Second period grade	Student age	Weekly study time group
113	10	8	10	16	2
114	18	18	17	15	1
115	10	10	9	15	2
116	14	16	14	16	2
117	16	16	15	15	2
118	15	14	14	16	1
119	11	12	11	17	2
120	14	14	13	15	1
121	14	14	14	15	2
122	13	14	13	15	4
123	13	14	12	16	2
124	13	12	13	16	1
125	11	12	11	16	2
126	9	9	9	15	1
127	11	10	11	15	2
128	11	9	10	19	2
129	15	14	14	16	1
130	13	13	12	16	3
131	12	10	11	15	3
132	8	10	9	18	2
133	11	11	10	17	1
134	13	11	12	15	1
135	12	13	12	17	1
136	14	15	13	16	1
137	11	9	9	16	1
138	11	13	11	16	1
139	11	12	11	15	2
140	15	13	14	15	3

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Number of past class failures	School absences	Mother education	Father education
113	1	12	2	2
114	0	10	4	2
115	0	4	2	1
116	0	6	4	4
117	0	4	4	4
118	0	6	3	3
119	1	14	1	3
120	0	2	3	4
121	0	0	1	2
122	0	6	2	2
123	0	2	2	4
124	0	4	4	4
125	0	0	2	2
126	0	2	3	4
127	0	0	3	4
128	2	0	0	1
129	0	8	4	4
130	0	4	2	3
131	0	0	3	4
132	3	10	2	1
133	0	8	2	1
134	0	6	1	1
135	0	2	2	2
136	0	12	3	4
137	0	4	2	1
138	1	12	2	2
139	0	2	3	4
140	0	4	4	4

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Home to school travel time	Family relationship quality	Free time after school	Going out with friends
113	1	3	1	2
114	1	3	5	2
115	1	5	4	2
116	1	5	4	4
117	2	4	4	3
118	2	5	4	2
119	3	5	2	4
120	1	3	4	3
121	1	3	2	3
122	1	5	5	4
123	2	4	2	2
124	1	3	4	4
125	1	5	4	4
126	1	5	5	5
127	1	5	3	2
128	1	3	4	2
129	1	3	5	5
130	2	3	2	3
131	2	4	2	2
132	1	5	4	5
133	3	3	2	2
134	3	4	3	3
135	1	3	4	4
136	1	3	2	1
137	4	3	2	1
138	1	5	3	4
139	4	5	3	3
140	1	4	3	3

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Workday alcohol consumption	Weekend alcohol consumption	Current health status	School dummy: 1 = MS, 0 = GP
113	1	1	5	No / reference
114	1	1	3	No / reference
115	1	1	5	No / reference
116	1	2	5	No / reference
117	1	1	2	No / reference
118	1	1	5	No / reference
119	1	4	5	No / reference
120	1	2	4	No / reference
121	1	2	1	No / reference
122	1	2	5	No / reference
123	1	2	5	No / reference
124	1	4	5	No / reference
125	1	1	5	No / reference
126	3	2	5	No / reference
127	1	1	1	No / reference
128	1	1	5	No / reference
129	2	5	4	No / reference
130	2	2	1	No / reference
131	2	2	5	No / reference
132	1	3	5	No / reference
133	1	2	5	No / reference
134	1	2	4	No / reference
135	1	3	5	No / reference
136	1	4	5	No / reference
137	1	1	2	No / reference
138	1	1	5	No / reference
139	1	1	5	No / reference
140	1	1	5	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Sex dummy: 1 = male, 0 = female	Address dummy: 1 = urban, 0 = rural	Family size dummy: 1 = LE3, 0 = GT3	Parent cohabitation dummy: 1 = together
113	No / reference	Yes / target	No / reference	Yes / target
114	Yes / target	Yes / target	Yes / target	Yes / target
115	Yes / target	No / reference	No / reference	Yes / target
116	Yes / target	Yes / target	No / reference	Yes / target
117	Yes / target	Yes / target	No / reference	Yes / target
118	Yes / target	Yes / target	No / reference	Yes / target
119	Yes / target	No / reference	No / reference	Yes / target
120	Yes / target	Yes / target	No / reference	Yes / target
121	No / reference	Yes / target	No / reference	Yes / target
122	Yes / target	Yes / target	No / reference	Yes / target
123	No / reference	Yes / target	Yes / target	Yes / target
124	Yes / target	Yes / target	No / reference	Yes / target
125	No / reference	Yes / target	No / reference	Yes / target
126	Yes / target	Yes / target	No / reference	Yes / target
127	No / reference	Yes / target	Yes / target	No / reference
128	No / reference	Yes / target	No / reference	Yes / target
129	Yes / target	No / reference	No / reference	Yes / target
130	Yes / target	Yes / target	No / reference	Yes / target
131	No / reference	No / reference	No / reference	Yes / target
132	No / reference	Yes / target	No / reference	Yes / target
133	No / reference	Yes / target	Yes / target	No / reference
134	No / reference	Yes / target	No / reference	Yes / target
135	No / reference	Yes / target	Yes / target	Yes / target
136	No / reference	Yes / target	No / reference	No / reference
137	Yes / target	Yes / target	No / reference	Yes / target
138	No / reference	Yes / target	No / reference	No / reference
139	Yes / target	No / reference	No / reference	Yes / target
140	No / reference	Yes / target	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	School support dummy: yes	Family support dummy: yes	Paid classes dummy: yes	Activities dummy: yes
113	Yes / target	No / reference	No / reference	Yes / target
114	No / reference	No / reference	No / reference	No / reference
115	No / reference	No / reference	No / reference	Yes / target
116	No / reference	Yes / target	No / reference	Yes / target
117	No / reference	Yes / target	No / reference	Yes / target
118	No / reference	No / reference	No / reference	Yes / target
119	No / reference	Yes / target	No / reference	Yes / target
120	No / reference	No / reference	No / reference	No / reference
121	No / reference	No / reference	No / reference	No / reference
122	No / reference	Yes / target	No / reference	Yes / target
123	No / reference	Yes / target	No / reference	Yes / target
124	No / reference	Yes / target	No / reference	Yes / target
125	No / reference	No / reference	No / reference	No / reference
126	Yes / target	No / reference	No / reference	No / reference
127	Yes / target	No / reference	No / reference	Yes / target
128	No / reference	Yes / target	No / reference	No / reference
129	No / reference	No / reference	No / reference	Yes / target
130	No / reference	Yes / target	No / reference	No / reference
131	No / reference	Yes / target	No / reference	No / reference
132	No / reference	Yes / target	No / reference	Yes / target
133	No / reference	Yes / target	No / reference	No / reference
134	No / reference	Yes / target	No / reference	Yes / target
135	No / reference	Yes / target	No / reference	No / reference
136	No / reference	No / reference	No / reference	No / reference
137	No / reference	No / reference	No / reference	No / reference
138	No / reference	No / reference	No / reference	No / reference
139	No / reference	Yes / target	No / reference	No / reference
140	No / reference	Yes / target	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Nursery school dummy: yes	Higher education intention dummy: yes	Internet access dummy: yes	Romantic relationship dummy: yes
113	Yes / target	Yes / target	Yes / target	No / reference
114	Yes / target	Yes / target	Yes / target	No / reference
115	Yes / target	Yes / target	Yes / target	Yes / target
116	Yes / target	Yes / target	Yes / target	No / reference
117	Yes / target	Yes / target	No / reference	No / reference
118	Yes / target	Yes / target	Yes / target	No / reference
119	Yes / target	Yes / target	Yes / target	No / reference
120	Yes / target	Yes / target	Yes / target	No / reference
121	No / reference	Yes / target	Yes / target	No / reference
122	Yes / target	Yes / target	Yes / target	No / reference
123	Yes / target	Yes / target	Yes / target	Yes / target
124	Yes / target	Yes / target	Yes / target	No / reference
125	Yes / target	Yes / target	Yes / target	Yes / target
126	Yes / target	Yes / target	Yes / target	No / reference
127	Yes / target	Yes / target	Yes / target	Yes / target
128	No / reference	No / reference	No / reference	No / reference
129	Yes / target	Yes / target	Yes / target	No / reference
130	No / reference	Yes / target	Yes / target	Yes / target
131	Yes / target	Yes / target	Yes / target	Yes / target
132	Yes / target	No / reference	Yes / target	Yes / target
133	Yes / target	Yes / target	Yes / target	No / reference
134	No / reference	Yes / target	Yes / target	Yes / target
135	Yes / target	Yes / target	Yes / target	Yes / target
136	Yes / target	Yes / target	Yes / target	No / reference
137	Yes / target	Yes / target	No / reference	No / reference
138	Yes / target	Yes / target	No / reference	No / reference
139	Yes / target	Yes / target	No / reference	Yes / target
140	Yes / target	Yes / target	Yes / target	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Predicted G3 from final hierarchical regression model	Residual from final hierarchical regression model	Standardized residual from final hierarchical regression model	Cook distance from final hierarchical regression model
113	10.02378	-.02378	-.01951	.00000
114	17.45009	.54991	.45197	.00042
115	9.15316	.84684	.68890	.00061
116	14.61095	-.61095	-.49348	.00019
117	15.66849	.33151	.26927	.00009
118	14.40115	.59885	.48430	.00020
119	11.72604	-.72604	-.59634	.00071
120	13.35202	.64798	.52451	.00026
121	14.69511	-.69511	-.56478	.00038
122	13.54722	-.54722	-.44503	.00025
123	13.07940	-.07940	-.06460	.00001
124	13.20439	-.20439	-.16525	.00002
125	11.36838	-.36838	-.29805	.00008
126	8.68523	.31477	.25822	.00013
127	11.30148	-.30148	-.24820	.00013
128	9.98715	1.01285	.83417	.00152
129	13.99656	1.00344	.81693	.00090
130	12.97938	.02062	.01679	.00000
131	11.32999	.67001	.54603	.00042
132	8.84264	-.84264	-.69765	.00125
133	11.25504	-.25504	-.20833	.00007
134	12.81918	.18082	.14737	.00003
135	12.62376	-.62376	-.50569	.00027
136	13.93174	.06826	.05618	.00001
137	9.81153	1.18847	.97501	.00181
138	11.49851	-.49851	-.40906	.00032
139	11.62586	-.62586	-.51436	.00054
140	14.40567	.59433	.48021	.00019

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Outcome variable: final grade	First period grade	Second period grade	Student age	Weekly study time group
141	10	10	9	17	2
142	13	14	13	16	2
143	12	11	11	18	1
144	11	12	11	18	3
145	11	12	11	16	1
146	10	9	9	16	1
147	10	10	10	16	2
148	14	13	14	15	1
149	9	8	9	15	1
150	11	9	11	15	4
151	9	9	8	15	2
152	13	15	13	16	3
153	11	12	11	16	1
154	13	13	13	15	3
155	11	10	11	16	1
156	6	9	7	17	1
157	12	12	12	15	2
158	10	11	10	15	1
159	11	11	11	15	2
160	13	13	12	15	2
161	11	11	11	15	2
162	8	9	9	16	1
163	11	12	11	15	1
164	0	11	9	18	1
165	10	9	10	16	1
166	13	13	13	15	3
167	11	11	9	19	1
168	13	13	13	17	1

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Number of past class failures	School absences	Mother education	Father education
141	0	2	3	4
142	0	0	1	1
143	0	2	3	1
144	0	10	3	2
145	0	8	1	1
146	0	4	3	3
147	2	0	1	1
148	0	6	4	4
149	1	2	1	1
150	0	6	4	3
151	0	24	3	3
152	0	0	4	4
153	0	4	2	2
154	0	2	4	4
155	0	4	1	1
156	0	22	2	1
157	0	0	1	1
158	0	0	2	1
159	1	2	3	2
160	0	6	1	2
161	0	6	1	2
162	0	16	4	4
163	0	0	2	1
164	2	0	1	1
165	1	6	2	1
166	0	2	3	3
167	0	6	3	2
168	0	0	4	4

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Home to school travel time	Family relationship quality	Free time after school	Going out with friends
141	3	5	4	5
142	4	5	1	3
143	2	3	3	4
144	1	4	3	3
145	2	3	3	3
146	2	4	3	2
147	1	4	4	4
148	2	4	3	2
149	3	5	5	5
150	2	2	2	2
151	1	1	3	2
152	1	5	3	3
153	2	2	3	3
154	1	4	2	2
155	1	3	4	4
156	1	5	4	5
157	1	4	4	2
158	2	4	4	2
159	1	3	3	2
160	1	4	3	2
161	1	2	3	4
162	1	3	3	2
163	4	4	5	5
164	1	2	3	5
165	1	4	4	4
166	2	4	2	1
167	1	4	5	4
168	1	4	2	1

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Workday alcohol consumption	Weekend alcohol consumption	Current health status	School dummy: 1 = MS, 0 = GP
141	2	4	5	No / reference
142	1	1	3	No / reference
143	4	5	4	No / reference
144	5	1	5	No / reference
145	1	2	1	No / reference
146	1	1	5	No / reference
147	1	3	5	No / reference
148	1	1	5	No / reference
149	1	1	1	No / reference
150	1	1	3	No / reference
151	2	3	1	No / reference
152	1	3	5	No / reference
153	2	2	2	No / reference
154	1	1	5	No / reference
155	3	3	1	No / reference
156	1	2	5	No / reference
157	1	2	5	No / reference
158	1	1	5	No / reference
159	1	1	3	No / reference
160	1	1	5	No / reference
161	2	4	1	No / reference
162	2	1	5	No / reference
163	2	5	5	No / reference
164	2	5	4	No / reference
165	3	5	5	No / reference
166	2	3	3	No / reference
167	1	1	4	No / reference
168	1	1	4	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Sex dummy: 1 = male, 0 = female	Address dummy: 1 = urban, 0 = rural	Family size dummy: 1 = LE3, 0 = GT3	Parent cohabitation dummy: 1 = together
141	Yes / target	No / reference	No / reference	Yes / target
142	No / reference	No / reference	No / reference	Yes / target
143	Yes / target	Yes / target	Yes / target	Yes / target
144	No / reference	Yes / target	No / reference	No / reference
145	No / reference	No / reference	No / reference	Yes / target
146	No / reference	Yes / target	No / reference	No / reference
147	Yes / target	Yes / target	Yes / target	Yes / target
148	No / reference	Yes / target	No / reference	Yes / target
149	No / reference	No / reference	No / reference	Yes / target
150	Yes / target	Yes / target	No / reference	Yes / target
151	No / reference	Yes / target	No / reference	No / reference
152	Yes / target	Yes / target	No / reference	Yes / target
153	Yes / target	Yes / target	Yes / target	Yes / target
154	No / reference	Yes / target	No / reference	Yes / target
155	No / reference	Yes / target	Yes / target	Yes / target
156	Yes / target	Yes / target	No / reference	Yes / target
157	No / reference	Yes / target	No / reference	Yes / target
158	No / reference	Yes / target	Yes / target	No / reference
159	No / reference	Yes / target	No / reference	Yes / target
160	No / reference	Yes / target	No / reference	Yes / target
161	No / reference	Yes / target	No / reference	Yes / target
162	Yes / target	Yes / target	No / reference	Yes / target
163	Yes / target	Yes / target	Yes / target	No / reference
164	Yes / target	Yes / target	Yes / target	Yes / target
165	Yes / target	Yes / target	Yes / target	Yes / target
166	No / reference	No / reference	No / reference	Yes / target
167	Yes / target	Yes / target	No / reference	Yes / target
168	No / reference	Yes / target	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	School support dummy: yes	Family support dummy: yes	Paid classes dummy: yes	Activities dummy: yes
141	No / reference	No / reference	No / reference	No / reference
142	No / reference	Yes / target	No / reference	No / reference
143	No / reference	No / reference	No / reference	Yes / target
144	No / reference	Yes / target	No / reference	Yes / target
145	No / reference	Yes / target	No / reference	Yes / target
146	No / reference	Yes / target	No / reference	Yes / target
147	No / reference	No / reference	No / reference	No / reference
148	No / reference	No / reference	No / reference	Yes / target
149	No / reference	No / reference	No / reference	Yes / target
150	Yes / target	Yes / target	No / reference	No / reference
151	No / reference	No / reference	No / reference	No / reference
152	No / reference	Yes / target	No / reference	Yes / target
153	No / reference	Yes / target	No / reference	Yes / target
154	No / reference	Yes / target	No / reference	Yes / target
155	No / reference	No / reference	No / reference	No / reference
156	No / reference	Yes / target	No / reference	No / reference
157	No / reference	Yes / target	No / reference	No / reference
158	No / reference	Yes / target	No / reference	Yes / target
159	No / reference	Yes / target	No / reference	No / reference
160	No / reference	Yes / target	No / reference	No / reference
161	No / reference	No / reference	No / reference	No / reference
162	No / reference	Yes / target	No / reference	No / reference
163	No / reference	No / reference	No / reference	No / reference
164	No / reference	No / reference	No / reference	No / reference
165	No / reference	No / reference	No / reference	Yes / target
166	No / reference	Yes / target	Yes / target	Yes / target
167	No / reference	Yes / target	No / reference	No / reference
168	Yes / target	Yes / target	No / reference	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Nursery school dummy: yes	Higher education intention dummy: yes	Internet access dummy: yes	Romantic relationship dummy: yes
141	Yes / target	Yes / target	No / reference	No / reference
142	Yes / target	Yes / target	No / reference	No / reference
143	Yes / target	Yes / target	Yes / target	Yes / target
144	No / reference	Yes / target	Yes / target	Yes / target
145	Yes / target	Yes / target	No / reference	Yes / target
146	No / reference	Yes / target	Yes / target	Yes / target
147	Yes / target	Yes / target	No / reference	Yes / target
148	Yes / target	Yes / target	Yes / target	No / reference
149	Yes / target	Yes / target	Yes / target	Yes / target
150	Yes / target	Yes / target	Yes / target	No / reference
151	No / reference	Yes / target	No / reference	Yes / target
152	Yes / target	Yes / target	Yes / target	No / reference
153	Yes / target	Yes / target	Yes / target	No / reference
154	Yes / target	Yes / target	Yes / target	No / reference
155	Yes / target	Yes / target	Yes / target	No / reference
156	Yes / target	Yes / target	Yes / target	No / reference
157	Yes / target	Yes / target	Yes / target	No / reference
158	Yes / target	No / reference	Yes / target	Yes / target
159	Yes / target	Yes / target	Yes / target	No / reference
160	No / reference	Yes / target	Yes / target	No / reference
161	No / reference	Yes / target	No / reference	Yes / target
162	Yes / target	No / reference	Yes / target	Yes / target
163	Yes / target	Yes / target	Yes / target	No / reference
164	Yes / target	No / reference	Yes / target	Yes / target
165	Yes / target	Yes / target	No / reference	Yes / target
166	Yes / target	Yes / target	Yes / target	Yes / target
167	Yes / target	No / reference	Yes / target	Yes / target
168	Yes / target	Yes / target	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Predicted G3 from final hierarchical regression model	Residual from final hierarchical regression model	Standardized residual from final hierarchical regression model	Cook distance from final hierarchical regression model
141	9.27099	.72901	.59521	.00055
142	13.97540	-.97540	-.79772	.00107
143	11.18558	.81442	.66312	.00060
144	11.77121	-.77121	-.64461	.00137
145	11.82317	-.82317	-.67019	.00061
146	9.87317	.12683	.10368	.00002
147	9.64458	.35542	.29261	.00018
148	14.41943	-.41943	-.34040	.00013
149	9.16923	-.16923	-.13929	.00004
150	11.33816	-.33816	-.27797	.00016
151	9.04692	-.04692	-.03920	.00000
152	13.60038	-.60038	-.48546	.00020
153	11.87191	-.87191	-.70748	.00056
154	13.60201	-.60201	-.48629	.00019
155	11.32135	-.32135	-.26211	.00010
156	7.80968	-1.80968	-1.49198	.00504
157	12.47809	-.47809	-.38682	.00014
158	10.62824	-.62824	-.51787	.00060
159	11.38479	-.38479	-.31114	.00008
160	12.85886	.14114	.11432	.00001
161	11.52240	-.52240	-.42768	.00032
162	9.29404	-1.29404	-1.06370	.00231
163	11.60655	-.60655	-.50165	.00063
164	8.85487	-8.85487	-7.32026	.13197
165	9.59398	.40602	.33150	.00017
166	13.39978	-.39978	-.32864	.00022
167	9.47660	1.52340	1.24916	.00291
168	13.22465	-.22465	-.18398	.00006

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Outcome variable: final grade	First period grade	Second period grade	Student age	Weekly study time group
169	8	7	8	15	2
170	10	9	8	17	1
171	11	11	10	18	1
172	11	12	10	16	1
173	1	10	10	16	2
174	10	9	8	16	1
175	9	8	8	17	1
176	8	7	6	17	2
177	10	8	9	15	1
178	8	9	8	16	1
179	8	8	8	17	2
180	8	8	7	17	1
181	11	9	10	16	2
182	18	17	17	16	2
183	13	12	12	16	2
184	17	16	16	16	2
185	10	9	9	16	1
186	18	16	17	16	2
187	10	11	9	17	2
188	13	14	13	16	2
189	15	14	14	16	2
190	11	10	11	17	2
191	14	13	12	16	2
192	10	11	9	17	2
193	11	10	9	16	1
194	13	11	11	17	2
195	11	11	10	16	2
196	13	11	12	16	2

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Number of past class failures	School absences	Mother education	Father education
169	0	0	2	3
170	3	14	1	2
171	3	6	1	1
172	0	4	2	2
173	1	0	3	3
174	2	0	1	2
175	1	8	2	1
176	2	4	3	2
177	0	2	1	2
178	1	2	1	3
179	0	0	1	1
180	3	10	3	2
181	0	0	2	2
182	0	0	4	2
183	0	0	2	2
184	0	0	4	4
185	1	4	3	4
186	0	0	1	0
187	0	0	4	4
188	0	0	1	3
189	0	0	3	3
190	0	0	4	3
191	0	0	2	2
192	0	4	3	3
193	0	8	4	2
194	0	4	4	3
195	0	4	4	3
196	0	0	3	3

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Home to school travel time	Family relationship quality	Free time after school	Going out with friends
169	1	4	4	4
170	1	2	2	2
171	3	5	2	5
172	3	4	2	2
173	1	4	5	5
174	2	4	4	5
175	2	3	3	2
176	2	4	4	4
177	2	4	4	4
178	1	5	3	3
179	4	5	3	5
180	2	4	5	2
181	1	4	3	5
182	1	4	2	3
183	1	5	1	5
184	1	4	4	2
185	3	3	4	5
186	2	4	3	2
187	1	4	4	4
188	1	4	3	5
189	2	4	4	5
190	2	4	4	4
191	2	3	4	4
192	1	4	3	4
193	1	4	3	3
194	1	5	2	3
195	1	3	4	3
196	1	4	2	3

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Workday alcohol consumption	Weekend alcohol consumption	Current health status	School dummy: 1 = MS, 0 = GP
169	1	1	1	No / reference
170	3	3	5	No / reference
171	1	5	4	No / reference
172	1	2	3	No / reference
173	4	4	5	No / reference
174	3	5	5	No / reference
175	2	2	5	No / reference
176	1	4	3	No / reference
177	2	4	5	No / reference
178	1	4	2	No / reference
179	1	5	5	No / reference
180	1	1	2	No / reference
181	2	4	4	No / reference
182	1	1	3	No / reference
183	1	1	4	No / reference
184	1	1	3	No / reference
185	2	4	2	No / reference
186	1	1	3	No / reference
187	1	3	5	No / reference
188	1	1	3	No / reference
189	1	1	4	No / reference
190	4	4	4	No / reference
191	1	4	5	No / reference
192	1	4	4	No / reference
193	3	4	3	No / reference
194	1	1	2	No / reference
195	2	3	3	No / reference
196	1	2	3	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Sex dummy: 1 = male, 0 = female	Address dummy: 1 = urban, 0 = rural	Family size dummy: 1 = LE3, 0 = GT3	Parent cohabitation dummy: 1 = together
169	Yes / target	No / reference	No / reference	Yes / target
170	Yes / target	No / reference	Yes / target	Yes / target
171	No / reference	No / reference	No / reference	Yes / target
172	Yes / target	No / reference	No / reference	Yes / target
173	Yes / target	Yes / target	No / reference	Yes / target
174	Yes / target	Yes / target	Yes / target	Yes / target
175	Yes / target	No / reference	Yes / target	Yes / target
176	Yes / target	No / reference	No / reference	Yes / target
177	Yes / target	Yes / target	Yes / target	Yes / target
178	Yes / target	Yes / target	No / reference	Yes / target
179	Yes / target	No / reference	Yes / target	Yes / target
180	Yes / target	Yes / target	No / reference	Yes / target
181	Yes / target	Yes / target	No / reference	Yes / target
182	No / reference	Yes / target	No / reference	Yes / target
183	No / reference	Yes / target	No / reference	Yes / target
184	No / reference	Yes / target	No / reference	Yes / target
185	Yes / target	Yes / target	No / reference	Yes / target
186	Yes / target	Yes / target	No / reference	Yes / target
187	Yes / target	Yes / target	Yes / target	Yes / target
188	No / reference	Yes / target	No / reference	Yes / target
189	No / reference	Yes / target	Yes / target	Yes / target
190	Yes / target	Yes / target	Yes / target	Yes / target
191	No / reference	Yes / target	No / reference	Yes / target
192	Yes / target	Yes / target	No / reference	Yes / target
193	Yes / target	No / reference	No / reference	Yes / target
194	Yes / target	Yes / target	No / reference	Yes / target
195	Yes / target	Yes / target	No / reference	Yes / target
196	Yes / target	Yes / target	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	School support dummy: yes	Family support dummy: yes	Paid classes dummy: yes	Activities dummy: yes
169	Yes / target	No / reference	Yes / target	Yes / target
170	No / reference	No / reference	No / reference	No / reference
171	No / reference	Yes / target	No / reference	Yes / target
172	No / reference	No / reference	No / reference	No / reference
173	No / reference	Yes / target	No / reference	No / reference
174	No / reference	No / reference	No / reference	No / reference
175	No / reference	No / reference	Yes / target	Yes / target
176	Yes / target	Yes / target	No / reference	No / reference
177	No / reference	No / reference	No / reference	Yes / target
178	No / reference	No / reference	No / reference	No / reference
179	No / reference	No / reference	No / reference	Yes / target
180	No / reference	Yes / target	No / reference	Yes / target
181	No / reference	No / reference	No / reference	No / reference
182	No / reference	No / reference	No / reference	No / reference
183	No / reference	Yes / target	No / reference	No / reference
184	No / reference	Yes / target	No / reference	No / reference
185	No / reference	Yes / target	No / reference	Yes / target
186	No / reference	Yes / target	No / reference	Yes / target
187	No / reference	Yes / target	No / reference	Yes / target
188	No / reference	No / reference	No / reference	Yes / target
189	No / reference	Yes / target	No / reference	Yes / target
190	No / reference	No / reference	No / reference	Yes / target
191	No / reference	No / reference	No / reference	Yes / target
192	No / reference	No / reference	No / reference	Yes / target
193	No / reference	Yes / target	No / reference	Yes / target
194	No / reference	Yes / target	Yes / target	Yes / target
195	No / reference	Yes / target	Yes / target	Yes / target
196	No / reference	No / reference	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Nursery school dummy: yes	Higher education intention dummy: yes	Internet access dummy: yes	Romantic relationship dummy: yes
169	Yes / target	Yes / target	No / reference	No / reference
170	Yes / target	Yes / target	No / reference	No / reference
171	No / reference	Yes / target	No / reference	No / reference
172	No / reference	Yes / target	No / reference	No / reference
173	Yes / target	Yes / target	Yes / target	Yes / target
174	No / reference	Yes / target	Yes / target	No / reference
175	Yes / target	No / reference	Yes / target	Yes / target
176	Yes / target	Yes / target	Yes / target	Yes / target
177	Yes / target	Yes / target	No / reference	No / reference
178	Yes / target	No / reference	Yes / target	No / reference
179	Yes / target	No / reference	No / reference	Yes / target
180	No / reference	No / reference	No / reference	No / reference
181	Yes / target	No / reference	Yes / target	No / reference
182	Yes / target	Yes / target	Yes / target	Yes / target
183	No / reference	Yes / target	Yes / target	No / reference
184	Yes / target	Yes / target	Yes / target	Yes / target
185	No / reference	Yes / target	Yes / target	No / reference
186	Yes / target	Yes / target	Yes / target	Yes / target
187	Yes / target	Yes / target	Yes / target	No / reference
188	No / reference	Yes / target	Yes / target	Yes / target
189	Yes / target	Yes / target	Yes / target	No / reference
190	Yes / target	Yes / target	Yes / target	No / reference
191	No / reference	Yes / target	Yes / target	No / reference
192	No / reference	Yes / target	Yes / target	No / reference
193	Yes / target	Yes / target	Yes / target	Yes / target
194	Yes / target	Yes / target	Yes / target	Yes / target
195	Yes / target	Yes / target	Yes / target	No / reference
196	Yes / target	Yes / target	Yes / target	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Predicted G3 from final hierarchical regression model	Residual from final hierarchical regression model	Standardized residual from final hierarchical regression model	Cook distance from final hierarchical regression model
169	7.63394	.36606	.30515	.00029
170	7.72237	2.27763	1.91405	.01354
171	10.23495	.76505	.64345	.00156
172	10.76689	.23311	.18981	.00005
173	9.73423	-8.73423	-7.12313	.07473
174	7.94139	2.05861	1.69258	.00591
175	7.75678	1.24322	1.02924	.00272
176	5.83421	2.16579	1.78935	.00774
177	9.08406	.91594	.74500	.00071
178	8.07061	-.07061	-.05802	.00001
179	8.20658	-.20658	-.17215	.00009
180	7.02363	.97637	.81328	.00200
181	9.81250	1.18750	.96884	.00141
182	17.33424	.66576	.53952	.00030
183	12.64043	.35957	.29338	.00013
184	16.50200	.49800	.40253	.00014
185	9.58234	.41766	.34080	.00018
186	17.48513	.51487	.41944	.00025
187	9.63704	.36296	.29384	.00008
188	13.70288	-.70288	-.57395	.00051
189	14.70335	.29665	.24003	.00005
190	11.04700	-.04700	-.03816	.00000
191	12.70494	1.29506	1.05212	.00133
192	9.66582	.33418	.27091	.00008
193	9.21735	1.78265	1.44929	.00262
194	11.35244	1.64756	1.34699	.00300
195	10.34953	.65047	.53015	.00040
196	12.18250	.81750	.66036	.00035

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Outcome variable: final grade	First period grade	Second period grade	Student age	Weekly study time group
197	17	17	18	17	2
198	14	14	13	17	2
199	16	14	15	16	2
200	14	11	13	17	2
201	11	10	9	16	1
202	16	13	14	16	2
203	14	12	13	17	2
204	10	9	9	17	2
205	13	12	12	16	2
206	12	12	11	17	2
207	12	10	11	17	2
208	10	11	10	16	1
209	12	13	12	16	1
210	16	14	15	17	2
211	14	13	13	17	1
212	12	10	11	16	1
213	16	14	15	17	1
214	11	11	10	16	2
215	15	14	14	16	2
216	12	11	12	16	2
217	15	14	15	17	2
218	13	13	13	17	1
219	13	13	13	16	4
220	8	8	9	17	3
221	12	11	11	16	2
222	15	14	15	16	2
223	13	12	13	16	1
224	12	11	12	17	3

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Number of past class failures	School absences	Mother education	Father education
197	0	0	2	4
198	0	32	3	3
199	0	8	3	2
200	0	6	3	3
201	0	0	1	2
202	0	0	2	1
203	0	10	3	3
204	0	6	1	2
205	0	6	2	3
206	0	0	1	1
207	0	16	1	2
208	0	0	3	3
209	0	0	2	3
210	0	8	2	4
211	0	4	4	4
212	0	16	3	3
213	1	30	4	4
214	0	0	4	4
215	0	2	4	3
216	0	4	2	3
217	0	0	1	1
218	0	21	2	2
219	0	6	2	2
220	1	14	3	4
221	0	2	3	1
222	0	4	4	3
223	0	2	1	1
224	0	0	4	3

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Home to school travel time	Family relationship quality	Free time after school	Going out with friends
197	1	5	4	2
198	1	5	3	3
199	1	1	2	2
200	1	4	3	4
201	1	3	3	3
202	1	4	2	3
203	1	3	3	3
204	1	3	1	3
205	1	4	3	3
206	1	5	3	3
207	2	4	4	4
208	1	4	3	2
209	2	5	3	3
210	1	4	3	2
211	1	5	2	3
212	3	3	3	4
213	2	4	2	4
214	1	4	5	2
215	1	4	3	5
216	1	4	4	3
217	1	4	4	4
218	1	5	3	2
219	2	5	3	5
220	1	4	4	3
221	1	2	3	3
222	1	1	3	2
223	2	4	3	2
224	2	4	4	2

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Workday alcohol consumption	Weekend alcohol consumption	Current health status	School dummy: 1 = MS, 0 = GP
197	2	3	5	No / reference
198	2	3	1	No / reference
199	1	2	1	No / reference
200	2	3	4	No / reference
201	1	2	3	No / reference
202	1	2	5	No / reference
203	1	3	3	No / reference
204	1	5	3	No / reference
205	1	1	2	No / reference
206	1	1	3	No / reference
207	4	5	5	No / reference
208	3	4	5	No / reference
209	1	1	3	No / reference
210	1	1	5	No / reference
211	1	2	5	No / reference
212	3	5	3	No / reference
213	2	3	2	No / reference
214	1	2	3	No / reference
215	1	5	2	No / reference
216	1	3	4	No / reference
217	1	3	1	No / reference
218	1	2	3	No / reference
219	1	1	5	No / reference
220	3	4	5	No / reference
221	2	2	4	No / reference
222	1	1	1	No / reference
223	1	4	5	No / reference
224	1	1	4	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Sex dummy: 1 = male, 0 = female	Address dummy: 1 = urban, 0 = rural	Family size dummy: 1 = LE3, 0 = GT3	Parent cohabitation dummy: 1 = together
197	No / reference	Yes / target	No / reference	Yes / target
198	No / reference	Yes / target	Yes / target	Yes / target
199	No / reference	Yes / target	No / reference	Yes / target
200	Yes / target	Yes / target	No / reference	Yes / target
201	Yes / target	Yes / target	No / reference	Yes / target
202	Yes / target	Yes / target	Yes / target	Yes / target
203	No / reference	Yes / target	No / reference	No / reference
204	Yes / target	No / reference	No / reference	Yes / target
205	No / reference	Yes / target	No / reference	Yes / target
206	No / reference	Yes / target	No / reference	Yes / target
207	Yes / target	Yes / target	No / reference	Yes / target
208	Yes / target	No / reference	No / reference	Yes / target
209	Yes / target	Yes / target	No / reference	Yes / target
210	No / reference	Yes / target	Yes / target	Yes / target
211	Yes / target	Yes / target	No / reference	Yes / target
212	Yes / target	No / reference	Yes / target	Yes / target
213	No / reference	Yes / target	No / reference	Yes / target
214	No / reference	Yes / target	Yes / target	Yes / target
215	No / reference	Yes / target	No / reference	Yes / target
216	No / reference	Yes / target	No / reference	Yes / target
217	No / reference	Yes / target	No / reference	Yes / target
218	No / reference	No / reference	No / reference	Yes / target
219	No / reference	No / reference	No / reference	Yes / target
220	No / reference	Yes / target	No / reference	Yes / target
221	No / reference	Yes / target	No / reference	No / reference
222	No / reference	Yes / target	No / reference	Yes / target
223	No / reference	Yes / target	No / reference	Yes / target
224	No / reference	No / reference	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	School support dummy: yes	Family support dummy: yes	Paid classes dummy: yes	Activities dummy: yes
197	No / reference	Yes / target	No / reference	Yes / target
198	No / reference	Yes / target	No / reference	Yes / target
199	No / reference	Yes / target	No / reference	No / reference
200	No / reference	Yes / target	No / reference	Yes / target
201	No / reference	Yes / target	No / reference	Yes / target
202	No / reference	No / reference	No / reference	Yes / target
203	No / reference	Yes / target	No / reference	No / reference
204	No / reference	No / reference	No / reference	No / reference
205	No / reference	No / reference	No / reference	No / reference
206	No / reference	No / reference	No / reference	Yes / target
207	No / reference	No / reference	No / reference	Yes / target
208	No / reference	Yes / target	No / reference	Yes / target
209	No / reference	No / reference	No / reference	No / reference
210	No / reference	No / reference	No / reference	Yes / target
211	No / reference	No / reference	No / reference	No / reference
212	No / reference	Yes / target	No / reference	Yes / target
213	No / reference	Yes / target	No / reference	No / reference
214	No / reference	Yes / target	No / reference	No / reference
215	No / reference	Yes / target	No / reference	Yes / target
216	Yes / target	Yes / target	No / reference	Yes / target
217	No / reference	Yes / target	No / reference	No / reference
218	No / reference	Yes / target	No / reference	No / reference
219	No / reference	Yes / target	No / reference	Yes / target
220	No / reference	Yes / target	Yes / target	No / reference
221	No / reference	Yes / target	No / reference	No / reference
222	No / reference	No / reference	No / reference	Yes / target
223	No / reference	Yes / target	No / reference	No / reference
224	No / reference	Yes / target	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Nursery school dummy: yes	Higher education intention dummy: yes	Internet access dummy: yes	Romantic relationship dummy: yes
197	Yes / target	Yes / target	No / reference	No / reference
198	Yes / target	Yes / target	Yes / target	Yes / target
199	Yes / target	Yes / target	Yes / target	No / reference
200	Yes / target	Yes / target	Yes / target	Yes / target
201	Yes / target	Yes / target	Yes / target	Yes / target
202	Yes / target	Yes / target	Yes / target	Yes / target
203	No / reference	Yes / target	Yes / target	Yes / target
204	Yes / target	Yes / target	No / reference	No / reference
205	Yes / target	Yes / target	Yes / target	No / reference
206	Yes / target	Yes / target	Yes / target	No / reference
207	No / reference	Yes / target	Yes / target	No / reference
208	Yes / target	Yes / target	Yes / target	No / reference
209	Yes / target	Yes / target	Yes / target	No / reference
210	Yes / target	Yes / target	Yes / target	Yes / target
211	Yes / target	Yes / target	Yes / target	No / reference
212	Yes / target	Yes / target	Yes / target	No / reference
213	Yes / target	Yes / target	Yes / target	No / reference
214	Yes / target	Yes / target	Yes / target	No / reference
215	Yes / target	Yes / target	Yes / target	No / reference
216	Yes / target	Yes / target	No / reference	No / reference
217	No / reference	Yes / target	No / reference	No / reference
218	Yes / target	Yes / target	Yes / target	No / reference
219	No / reference	Yes / target	Yes / target	No / reference
220	Yes / target	Yes / target	Yes / target	Yes / target
221	Yes / target	Yes / target	Yes / target	No / reference
222	Yes / target	Yes / target	Yes / target	Yes / target
223	Yes / target	Yes / target	No / reference	No / reference
224	Yes / target	Yes / target	Yes / target	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Predicted G3 from final hierarchical regression model	Residual from final hierarchical regression model	Standardized residual from final hierarchical regression model	Cook distance from final hierarchical regression model
197	18.28279	-1.28279	-1.04932	.00186
198	14.20274	-.20274	-.16976	.00010
199	15.77385	.22615	.18362	.00004
200	13.14990	.85010	.68511	.00030
201	9.61388	1.38612	1.12643	.00155
202	14.13470	1.86530	1.51210	.00238
203	13.79825	.20175	.16393	.00003
204	9.29747	.70253	.57730	.00067
205	12.62665	.37335	.30121	.00006
206	11.64984	.35016	.28312	.00007
207	11.38772	.61228	.50013	.00040
208	10.16614	-.16614	-.13485	.00002
209	12.54993	-.54993	-.44505	.00018
210	15.52862	.47138	.38345	.00019
211	13.23324	.76676	.61961	.00031
212	11.55842	.44158	.36009	.00019
213	15.75288	.24712	.20567	.00013
214	10.68508	.31492	.25600	.00008
215	14.52819	.47181	.38318	.00017
216	12.18505	-.18505	-.15044	.00003
217	15.53292	-.53292	-.43441	.00027
218	13.73541	-.73541	-.60273	.00066
219	13.74645	-.74645	-.60973	.00059
220	9.04045	-1.04045	-.85947	.00178
221	11.60705	.39295	.32026	.00015
222	15.52145	-.52145	-.42434	.00024
223	13.42504	-.42504	-.34604	.00016
224	12.42959	-.42959	-.34775	.00011

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Outcome variable: final grade	First period grade	Second period grade	Student age	Weekly study time group
225	12	12	12	19	4
226	12	13	12	17	2
227	13	13	13	16	2
228	11	12	11	18	2
229	11	12	11	17	1
230	15	14	16	17	2
231	10	11	9	17	2
232	10	10	10	18	2
233	13	12	13	17	1
234	13	12	12	17	3
235	11	11	10	17	2
236	12	12	12	17	3
237	14	13	13	16	2
238	10	10	9	18	2
239	16	15	16	16	3
240	8	8	8	18	2
241	17	17	18	17	2
242	11	10	11	17	2
243	11	9	10	18	2
244	16	15	15	17	3
245	12	14	12	17	2
246	13	12	13	17	2
247	13	13	13	17	2
248	14	13	13	16	2
249	9	9	9	16	2
250	12	12	12	16	3
251	16	16	16	17	2
252	10	9	10	16	1

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Number of past class failures	School absences	Mother education	Father education
225	0	4	3	3
226	0	15	4	4
227	0	0	2	2
228	0	10	2	2
229	0	6	4	4
230	0	2	3	2
231	0	16	4	3
232	0	10	3	3
233	0	4	2	3
234	0	0	2	2
235	0	0	2	1
236	0	12	1	1
237	0	0	2	3
238	3	9	2	2
239	0	4	4	4
240	0	4	3	1
241	0	2	3	2
242	0	0	2	3
243	0	2	2	1
244	0	0	2	1
245	0	0	4	3
246	0	0	2	2
247	0	0	4	4
248	0	0	4	4
249	0	2	1	1
250	0	0	3	2
251	0	0	2	2
252	0	4	2	1

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Home to school travel time	Family relationship quality	Free time after school	Going out with friends
225	1	4	3	3
226	1	5	3	5
227	1	3	3	4
228	1	4	4	4
229	1	5	2	1
230	2	4	4	4
231	1	3	4	5
232	1	3	2	4
233	2	3	3	3
234	1	4	3	3
235	2	4	2	5
236	1	4	3	4
237	1	2	3	1
238	2	3	3	3
239	1	5	3	2
240	1	5	3	3
241	1	5	3	4
242	1	5	3	3
243	4	4	3	2
244	2	3	2	3
245	1	3	2	3
246	2	4	5	2
247	1	4	5	5
248	1	4	2	4
249	2	3	4	2
250	2	5	3	3
251	1	4	4	2
252	1	4	5	2

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Workday alcohol consumption	Weekend alcohol consumption	Current health status	School dummy: 1 = MS, 0 = GP
225	1	2	3	No / reference
226	4	5	3	No / reference
227	1	1	4	No / reference
228	2	4	5	No / reference
229	1	2	3	No / reference
230	1	3	1	No / reference
231	2	4	1	No / reference
232	2	4	4	No / reference
233	1	4	3	No / reference
234	1	1	4	No / reference
235	1	2	5	No / reference
236	1	1	5	No / reference
237	1	1	3	No / reference
238	5	5	4	No / reference
239	1	1	5	No / reference
240	1	1	4	No / reference
241	1	3	3	No / reference
242	1	3	3	No / reference
243	4	5	3	No / reference
244	1	2	3	No / reference
245	1	2	3	No / reference
246	1	1	1	No / reference
247	1	3	2	No / reference
248	2	4	1	No / reference
249	1	1	5	No / reference
250	1	3	2	No / reference
251	5	5	4	No / reference
252	1	1	5	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Sex dummy: 1 = male, 0 = female	Address dummy: 1 = urban, 0 = rural	Family size dummy: 1 = LE3, 0 = GT3	Parent cohabitation dummy: 1 = together
225	No / reference	Yes / target	No / reference	Yes / target
226	Yes / target	Yes / target	Yes / target	Yes / target
227	No / reference	Yes / target	No / reference	No / reference
228	Yes / target	Yes / target	No / reference	Yes / target
229	No / reference	No / reference	Yes / target	Yes / target
230	No / reference	Yes / target	Yes / target	Yes / target
231	No / reference	Yes / target	No / reference	Yes / target
232	Yes / target	Yes / target	Yes / target	Yes / target
233	No / reference	Yes / target	No / reference	Yes / target
234	No / reference	Yes / target	No / reference	Yes / target
235	No / reference	No / reference	No / reference	Yes / target
236	No / reference	Yes / target	No / reference	Yes / target
237	No / reference	Yes / target	No / reference	Yes / target
238	Yes / target	Yes / target	No / reference	Yes / target
239	No / reference	Yes / target	No / reference	Yes / target
240	No / reference	No / reference	No / reference	Yes / target
241	No / reference	Yes / target	No / reference	Yes / target
242	Yes / target	Yes / target	Yes / target	Yes / target
243	Yes / target	Yes / target	Yes / target	Yes / target
244	No / reference	Yes / target	No / reference	No / reference
245	No / reference	Yes / target	Yes / target	Yes / target
246	Yes / target	No / reference	No / reference	Yes / target
247	Yes / target	Yes / target	No / reference	Yes / target
248	Yes / target	Yes / target	No / reference	Yes / target
249	Yes / target	Yes / target	Yes / target	Yes / target
250	Yes / target	Yes / target	No / reference	Yes / target
251	Yes / target	Yes / target	Yes / target	Yes / target
252	No / reference	Yes / target	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	School support dummy: yes	Family support dummy: yes	Paid classes dummy: yes	Activities dummy: yes
225	No / reference	Yes / target	No / reference	Yes / target
226	No / reference	Yes / target	No / reference	No / reference
227	Yes / target	Yes / target	No / reference	No / reference
228	No / reference	Yes / target	No / reference	Yes / target
229	No / reference	Yes / target	No / reference	No / reference
230	No / reference	No / reference	No / reference	No / reference
231	No / reference	No / reference	No / reference	No / reference
232	No / reference	Yes / target	No / reference	No / reference
233	No / reference	Yes / target	No / reference	No / reference
234	No / reference	Yes / target	No / reference	Yes / target
235	No / reference	Yes / target	No / reference	Yes / target
236	No / reference	Yes / target	No / reference	Yes / target
237	Yes / target	No / reference	No / reference	No / reference
238	No / reference	Yes / target	Yes / target	No / reference
239	No / reference	Yes / target	No / reference	Yes / target
240	No / reference	No / reference	No / reference	Yes / target
241	No / reference	No / reference	No / reference	Yes / target
242	No / reference	Yes / target	No / reference	No / reference
243	Yes / target	Yes / target	No / reference	Yes / target
244	No / reference	No / reference	No / reference	Yes / target
245	No / reference	No / reference	No / reference	Yes / target
246	No / reference	Yes / target	No / reference	Yes / target
247	Yes / target	Yes / target	No / reference	Yes / target
248	No / reference	Yes / target	No / reference	Yes / target
249	No / reference	Yes / target	No / reference	No / reference
250	No / reference	No / reference	No / reference	Yes / target
251	No / reference	No / reference	No / reference	Yes / target
252	No / reference	No / reference	No / reference	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Nursery school dummy: yes	Higher education intention dummy: yes	Internet access dummy: yes	Romantic relationship dummy: yes
225	Yes / target	Yes / target	Yes / target	No / reference
226	Yes / target	Yes / target	Yes / target	Yes / target
227	Yes / target	Yes / target	Yes / target	No / reference
228	Yes / target	Yes / target	Yes / target	No / reference
229	Yes / target	Yes / target	No / reference	No / reference
230	Yes / target	Yes / target	Yes / target	No / reference
231	Yes / target	Yes / target	Yes / target	Yes / target
232	Yes / target	Yes / target	Yes / target	No / reference
233	Yes / target	Yes / target	No / reference	No / reference
234	Yes / target	Yes / target	Yes / target	No / reference
235	Yes / target	Yes / target	Yes / target	No / reference
236	Yes / target	Yes / target	No / reference	Yes / target
237	Yes / target	Yes / target	Yes / target	No / reference
238	Yes / target	Yes / target	Yes / target	No / reference
239	No / reference	Yes / target	Yes / target	No / reference
240	Yes / target	Yes / target	Yes / target	Yes / target
241	No / reference	Yes / target	Yes / target	No / reference
242	No / reference	Yes / target	Yes / target	No / reference
243	Yes / target	Yes / target	Yes / target	Yes / target
244	Yes / target	Yes / target	Yes / target	Yes / target
245	Yes / target	Yes / target	Yes / target	Yes / target
246	Yes / target	Yes / target	Yes / target	No / reference
247	Yes / target	Yes / target	Yes / target	Yes / target
248	Yes / target	Yes / target	Yes / target	No / reference
249	Yes / target	Yes / target	Yes / target	No / reference
250	Yes / target	Yes / target	Yes / target	Yes / target
251	No / reference	Yes / target	Yes / target	Yes / target
252	Yes / target	Yes / target	Yes / target	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Predicted G3 from final hierarchical regression model	Residual from final hierarchical regression model	Standardized residual from final hierarchical regression model	Cook distance from final hierarchical regression model
225	12.87257	-.87257	-.70651	.00048
226	12.45831	-.45831	-.37440	.00022
227	13.46632	-.46632	-.38037	.00021
228	11.60267	-.60267	-.48720	.00020
229	11.60356	-.60356	-.49446	.00044
230	16.42213	-1.42213	-1.15329	.00142
231	9.79530	.20470	.16720	.00004
232	10.61350	-.61350	-.49656	.00023
233	13.60463	-.60463	-.49081	.00027
234	12.68648	.31352	.25242	.00004
235	10.66756	.33244	.27026	.00009
236	12.67787	-.67787	-.55155	.00040
237	13.38428	.61572	.50136	.00034
238	8.76919	1.23081	1.03470	.00398
239	16.56520	-.56520	-.45797	.00021
240	8.28727	-.28727	-.23372	.00007
241	18.38100	-1.38100	-1.12017	.00136
242	11.48863	-.48863	-.39678	.00018
243	10.42131	.57869	.48211	.00071
244	15.80108	.19892	.16210	.00004
245	12.76297	-.76297	-.61794	.00037
246	13.46675	-.46675	-.37963	.00018
247	13.13703	-.13703	-.11206	.00002
248	13.43625	.56375	.45648	.00020
249	9.66615	-.66615	-.54143	.00036
250	12.42253	-.42253	-.34236	.00012
251	16.08129	-.08129	-.06693	.00001
252	10.15347	-.15347	-.12483	.00002

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Outcome variable: final grade	First period grade	Second period grade	Student age	Weekly study time group
253	13	14	13	16	2
254	10	10	10	18	2
255	10	9	8	18	2
256	7	8	7	18	1
257	8	7	8	18	1
258	9	10	8	17	1
259	15	14	14	17	2
260	10	11	10	17	3
261	11	12	11	16	1
262	13	13	13	17	2
263	8	9	9	17	1
264	8	8	7	18	2
265	10	11	9	17	1
266	15	15	14	17	3
267	14	15	14	17	2
268	15	15	15	17	2
269	12	12	12	17	2
270	15	14	14	16	1
271	15	14	15	16	1
272	12	11	11	17	2
273	15	13	14	17	3
274	11	11	11	17	3
275	10	10	9	17	2
276	11	12	10	18	3
277	16	15	16	16	1
278	11	11	10	17	2
279	13	9	12	17	1
280	5	7	8	22	1

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Number of past class failures	School absences	Mother education	Father education
253	0	0	4	1
254	1	18	2	4
255	1	16	2	2
256	1	14	3	3
257	1	26	2	2
258	0	6	4	4
259	0	4	3	2
260	0	10	1	1
261	0	4	1	2
262	0	2	2	1
263	1	14	1	4
264	0	16	2	2
265	1	8	2	2
266	0	4	1	1
267	0	4	4	2
268	0	8	4	3
269	0	0	4	4
270	0	7	4	3
271	0	4	4	4
272	0	2	4	4
273	0	2	1	1
274	0	10	3	3
275	0	10	1	1
276	0	10	2	1
277	0	7	2	1
278	0	4	1	1
279	0	2	2	3
280	3	12	3	1

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Home to school travel time	Family relationship quality	Free time after school	Going out with friends
253	1	5	3	3
254	2	4	3	3
255	1	5	3	1
256	2	4	1	1
257	1	4	4	3
258	1	4	2	1
259	1	5	4	2
260	1	4	3	2
261	1	5	3	5
262	3	2	1	1
263	4	5	5	4
264	1	5	5	4
265	1	3	1	2
266	2	4	3	3
267	1	4	3	2
268	2	2	5	5
269	2	3	3	3
270	1	5	4	5
271	1	5	3	2
272	1	5	3	1
273	2	4	3	3
274	2	4	2	2
275	1	4	3	2
276	2	4	4	4
277	3	4	3	3
278	1	4	3	4
279	2	5	2	2
280	1	5	4	5

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Workday alcohol consumption	Weekend alcohol consumption	Current health status	School dummy: 1 = MS, 0 = GP
253	1	2	5	No / reference
254	1	1	3	No / reference
255	1	1	5	No / reference
256	1	1	3	No / reference
257	2	2	1	No / reference
258	1	2	5	No / reference
259	1	1	3	No / reference
260	1	2	4	No / reference
261	1	2	5	No / reference
262	1	1	3	No / reference
263	1	1	5	No / reference
264	3	5	2	No / reference
265	1	1	1	No / reference
266	1	3	5	No / reference
267	1	1	4	No / reference
268	1	4	5	No / reference
269	2	3	4	No / reference
270	1	1	3	No / reference
271	1	2	5	No / reference
272	1	4	5	No / reference
273	1	1	1	No / reference
274	2	3	5	No / reference
275	1	1	4	No / reference
276	1	1	3	No / reference
277	1	1	4	No / reference
278	1	2	5	No / reference
279	1	1	2	No / reference
280	5	5	1	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Sex dummy: 1 = male, 0 = female	Address dummy: 1 = urban, 0 = rural	Family size dummy: 1 = LE3, 0 = GT3	Parent cohabitation dummy: 1 = together
253	No / reference	Yes / target	No / reference	No / reference
254	No / reference	Yes / target	Yes / target	No / reference
255	No / reference	Yes / target	Yes / target	Yes / target
256	No / reference	Yes / target	No / reference	Yes / target
257	Yes / target	Yes / target	No / reference	Yes / target
258	Yes / target	Yes / target	No / reference	Yes / target
259	No / reference	Yes / target	No / reference	Yes / target
260	No / reference	Yes / target	Yes / target	Yes / target
261	No / reference	Yes / target	No / reference	Yes / target
262	No / reference	No / reference	No / reference	Yes / target
263	No / reference	No / reference	Yes / target	No / reference
264	Yes / target	Yes / target	No / reference	Yes / target
265	No / reference	Yes / target	Yes / target	No / reference
266	No / reference	No / reference	Yes / target	Yes / target
267	No / reference	Yes / target	Yes / target	No / reference
268	Yes / target	Yes / target	Yes / target	Yes / target
269	Yes / target	No / reference	Yes / target	No / reference
270	Yes / target	Yes / target	Yes / target	Yes / target
271	Yes / target	Yes / target	No / reference	Yes / target
272	No / reference	Yes / target	No / reference	Yes / target
273	Yes / target	No / reference	No / reference	Yes / target
274	No / reference	Yes / target	No / reference	Yes / target
275	No / reference	Yes / target	No / reference	Yes / target
276	No / reference	Yes / target	No / reference	Yes / target
277	Yes / target	Yes / target	No / reference	Yes / target
278	No / reference	Yes / target	No / reference	Yes / target
279	Yes / target	Yes / target	No / reference	Yes / target
280	Yes / target	Yes / target	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	School support dummy: yes	Family support dummy: yes	Paid classes dummy: yes	Activities dummy: yes
253	No / reference	No / reference	No / reference	Yes / target
254	No / reference	Yes / target	No / reference	No / reference
255	No / reference	Yes / target	No / reference	No / reference
256	No / reference	No / reference	No / reference	No / reference
257	No / reference	Yes / target	No / reference	Yes / target
258	No / reference	Yes / target	No / reference	Yes / target
259	No / reference	No / reference	No / reference	Yes / target
260	No / reference	Yes / target	No / reference	Yes / target
261	No / reference	No / reference	No / reference	No / reference
262	No / reference	No / reference	No / reference	Yes / target
263	No / reference	Yes / target	No / reference	No / reference
264	No / reference	No / reference	No / reference	No / reference
265	No / reference	Yes / target	No / reference	No / reference
266	No / reference	No / reference	No / reference	Yes / target
267	No / reference	Yes / target	No / reference	Yes / target
268	No / reference	No / reference	No / reference	Yes / target
269	No / reference	Yes / target	No / reference	No / reference
270	No / reference	No / reference	No / reference	Yes / target
271	No / reference	No / reference	Yes / target	Yes / target
272	No / reference	Yes / target	Yes / target	No / reference
273	No / reference	No / reference	No / reference	No / reference
274	No / reference	Yes / target	No / reference	No / reference
275	Yes / target	No / reference	No / reference	No / reference
276	No / reference	Yes / target	No / reference	No / reference
277	No / reference	No / reference	No / reference	No / reference
278	No / reference	Yes / target	No / reference	No / reference
279	No / reference	No / reference	No / reference	No / reference
280	No / reference	No / reference	No / reference	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Nursery school dummy: yes	Higher education intention dummy: yes	Internet access dummy: yes	Romantic relationship dummy: yes
253	Yes / target	Yes / target	Yes / target	Yes / target
254	Yes / target	Yes / target	Yes / target	No / reference
255	No / reference	Yes / target	Yes / target	Yes / target
256	Yes / target	No / reference	Yes / target	No / reference
257	No / reference	No / reference	Yes / target	Yes / target
258	No / reference	Yes / target	Yes / target	No / reference
259	Yes / target	Yes / target	No / reference	No / reference
260	Yes / target	Yes / target	Yes / target	Yes / target
261	Yes / target	No / reference	Yes / target	No / reference
262	Yes / target	Yes / target	No / reference	No / reference
263	Yes / target	Yes / target	Yes / target	No / reference
264	Yes / target	No / reference	Yes / target	No / reference
265	No / reference	No / reference	Yes / target	No / reference
266	Yes / target	Yes / target	Yes / target	No / reference
267	Yes / target	Yes / target	No / reference	No / reference
268	Yes / target	Yes / target	Yes / target	Yes / target
269	Yes / target	Yes / target	Yes / target	No / reference
270	No / reference	Yes / target	Yes / target	No / reference
271	Yes / target	Yes / target	Yes / target	No / reference
272	Yes / target	Yes / target	Yes / target	Yes / target
273	No / reference	Yes / target	Yes / target	Yes / target
274	Yes / target	Yes / target	Yes / target	Yes / target
275	No / reference	Yes / target	No / reference	Yes / target
276	No / reference	Yes / target	Yes / target	Yes / target
277	Yes / target	Yes / target	Yes / target	No / reference
278	Yes / target	Yes / target	No / reference	No / reference
279	Yes / target	Yes / target	Yes / target	No / reference
280	No / reference	No / reference	Yes / target	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Predicted G3 from final hierarchical regression model	Residual from final hierarchical regression model	Standardized residual from final hierarchical regression model	Cook distance from final hierarchical regression model
253	13.40665	-.40665	-.33252	.00018
254	11.10444	-1.10444	-.90500	.00149
255	8.84471	1.15529	.94782	.00171
256	7.65852	-.65852	-.54060	.00057
257	8.40850	-.40850	-.33805	.00029
258	8.86353	.13647	.11125	.00002
259	14.40281	.59719	.48398	.00024
260	10.98471	-.98471	-.79854	.00068
261	11.28983	-.28983	-.23709	.00010
262	13.76226	-.76226	-.62182	.00058
263	9.95865	-1.95865	-1.63570	.00861
264	7.30038	.69962	.57573	.00070
265	10.01544	-.01544	-.01273	.00000
266	14.71326	.28674	.23300	.00007
267	14.80142	-.80142	-.65305	.00060
268	15.42286	-.42286	-.34594	.00020
269	12.51625	-.51625	-.42051	.00024
270	14.37852	.62148	.50696	.00038
271	14.92017	.07983	.06522	.00001
272	11.28429	.71571	.59123	.00084
273	14.45868	.54132	.44192	.00030
274	11.77958	-.77958	-.63065	.00036
275	9.50084	.49916	.40854	.00029
276	11.23451	-.23451	-.19066	.00005
277	16.47868	-.47868	-.38936	.00019
278	10.63852	.36148	.29245	.00008
279	12.21841	.78159	.63505	.00049
280	7.31449	-2.31449	-1.94559	.01407

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Outcome variable: final grade	First period grade	Second period grade	Student age	Weekly study time group
281	10	10	9	18	2
282	11	11	12	16	1
283	7	7	8	18	1
284	10	9	11	16	2
285	6	7	8	18	1
286	12	14	13	16	1
287	13	12	12	17	1
288	10	9	10	17	1
289	13	12	12	18	2
290	17	14	15	17	4
291	11	10	10	19	2
292	11	11	10	18	2
293	14	11	12	17	3
294	14	11	12	18	3
295	13	11	11	18	2
296	14	11	13	19	2
297	16	16	16	18	2
298	10	9	10	17	1
299	12	10	11	17	4
300	12	10	12	20	2
301	15	15	15	18	2
302	11	10	10	18	2
303	12	10	11	18	3
304	13	15	12	17	3
305	13	11	12	18	3
306	9	8	8	17	1
307	16	15	16	18	2
308	14	11	11	17	2

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Number of past class failures	School absences	Mother education	Father education
281	0	8	3	3
282	0	0	0	2
283	0	8	3	2
284	1	4	3	3
285	2	4	2	1
286	0	2	2	1
287	0	0	2	1
288	1	0	1	1
289	0	2	2	1
290	0	2	4	2
291	0	0	2	2
292	1	4	2	1
293	0	2	4	2
294	0	4	1	1
295	0	4	2	2
296	0	4	4	3
297	0	2	2	1
298	0	0	2	2
299	0	2	2	2
300	0	8	2	1
301	0	2	4	3
302	0	2	4	3
303	0	2	3	2
304	0	2	3	3
305	0	0	2	2
306	0	8	2	2
307	0	6	3	4
308	0	0	3	1

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Home to school travel time	Family relationship quality	Free time after school	Going out with friends
281	1	4	3	3
282	1	4	3	2
283	2	4	4	5
284	3	5	3	3
285	1	3	2	5
286	2	3	3	2
287	1	4	4	2
288	2	4	4	4
289	1	4	3	4
290	1	4	2	3
291	1	4	3	3
292	3	4	4	5
293	1	4	3	4
294	1	4	4	3
295	1	3	2	3
296	1	4	3	1
297	1	5	2	4
298	2	5	2	2
299	1	3	4	1
300	2	1	2	3
301	1	3	1	2
302	1	4	3	2
303	1	5	3	2
304	1	3	2	3
305	1	4	3	3
306	2	4	4	4
307	2	4	2	5
308	1	5	4	4

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Workday alcohol consumption	Weekend alcohol consumption	Current health status	School dummy: 1 = MS, 0 = GP
281	1	3	5	No / reference
282	2	4	5	No / reference
283	2	4	5	No / reference
284	1	3	2	No / reference
285	2	5	5	No / reference
286	1	3	3	No / reference
287	2	4	5	No / reference
288	1	2	5	No / reference
289	1	3	5	No / reference
290	1	1	4	No / reference
291	1	1	5	No / reference
292	4	4	5	No / reference
293	1	3	5	No / reference
294	2	3	3	No / reference
295	1	1	5	No / reference
296	1	1	1	No / reference
297	1	2	4	No / reference
298	1	1	4	No / reference
299	1	1	2	No / reference
300	1	2	2	No / reference
301	1	3	2	No / reference
302	1	1	3	No / reference
303	1	1	3	No / reference
304	1	1	4	No / reference
305	1	1	3	No / reference
306	2	3	4	No / reference
307	3	4	1	No / reference
308	3	4	5	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Sex dummy: 1 = male, 0 = female	Address dummy: 1 = urban, 0 = rural	Family size dummy: 1 = LE3, 0 = GT3	Parent cohabitation dummy: 1 = together
281	Yes / target	No / reference	Yes / target	Yes / target
282	Yes / target	Yes / target	No / reference	Yes / target
283	Yes / target	Yes / target	No / reference	Yes / target
284	Yes / target	Yes / target	No / reference	Yes / target
285	Yes / target	Yes / target	No / reference	Yes / target
286	Yes / target	No / reference	No / reference	Yes / target
287	Yes / target	No / reference	No / reference	Yes / target
288	Yes / target	Yes / target	Yes / target	Yes / target
289	No / reference	Yes / target	Yes / target	No / reference
290	No / reference	Yes / target	Yes / target	Yes / target
291	No / reference	Yes / target	No / reference	Yes / target
292	Yes / target	Yes / target	Yes / target	Yes / target
293	No / reference	No / reference	No / reference	Yes / target
294	No / reference	Yes / target	Yes / target	Yes / target
295	No / reference	No / reference	No / reference	Yes / target
296	Yes / target	Yes / target	Yes / target	No / reference
297	Yes / target	Yes / target	No / reference	Yes / target
298	Yes / target	No / reference	No / reference	Yes / target
299	No / reference	Yes / target	Yes / target	Yes / target
300	No / reference	No / reference	No / reference	Yes / target
301	No / reference	Yes / target	No / reference	Yes / target
302	Yes / target	Yes / target	No / reference	Yes / target
303	Yes / target	No / reference	No / reference	Yes / target
304	No / reference	Yes / target	No / reference	Yes / target
305	No / reference	Yes / target	No / reference	Yes / target
306	Yes / target	Yes / target	No / reference	Yes / target
307	Yes / target	No / reference	Yes / target	No / reference
308	Yes / target	Yes / target	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	School support dummy: yes	Family support dummy: yes	Paid classes dummy: yes	Activities dummy: yes
281	No / reference	Yes / target	No / reference	No / reference
282	No / reference	No / reference	No / reference	No / reference
283	No / reference	No / reference	No / reference	No / reference
284	Yes / target	Yes / target	No / reference	No / reference
285	No / reference	No / reference	No / reference	No / reference
286	No / reference	No / reference	No / reference	Yes / target
287	No / reference	No / reference	No / reference	No / reference
288	No / reference	Yes / target	No / reference	Yes / target
289	No / reference	Yes / target	No / reference	No / reference
290	No / reference	Yes / target	No / reference	Yes / target
291	No / reference	Yes / target	No / reference	No / reference
292	No / reference	No / reference	No / reference	Yes / target
293	No / reference	Yes / target	No / reference	Yes / target
294	No / reference	Yes / target	No / reference	No / reference
295	Yes / target	No / reference	No / reference	No / reference
296	No / reference	Yes / target	No / reference	No / reference
297	No / reference	No / reference	No / reference	Yes / target
298	No / reference	No / reference	No / reference	No / reference
299	No / reference	No / reference	No / reference	Yes / target
300	No / reference	Yes / target	Yes / target	Yes / target
301	No / reference	Yes / target	No / reference	No / reference
302	No / reference	Yes / target	No / reference	No / reference
303	No / reference	No / reference	No / reference	Yes / target
304	No / reference	No / reference	No / reference	Yes / target
305	No / reference	Yes / target	No / reference	Yes / target
306	No / reference	No / reference	No / reference	No / reference
307	No / reference	Yes / target	No / reference	Yes / target
308	No / reference	No / reference	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Nursery school dummy: yes	Higher education intention dummy: yes	Internet access dummy: yes	Romantic relationship dummy: yes
281	Yes / target	Yes / target	Yes / target	Yes / target
282	No / reference	Yes / target	Yes / target	No / reference
283	Yes / target	No / reference	Yes / target	No / reference
284	No / reference	Yes / target	Yes / target	No / reference
285	No / reference	No / reference	Yes / target	No / reference
286	No / reference	Yes / target	No / reference	No / reference
287	No / reference	Yes / target	Yes / target	No / reference
288	Yes / target	Yes / target	Yes / target	No / reference
289	No / reference	Yes / target	Yes / target	Yes / target
290	Yes / target	Yes / target	Yes / target	No / reference
291	Yes / target	Yes / target	Yes / target	No / reference
292	No / reference	No / reference	Yes / target	No / reference
293	Yes / target	Yes / target	Yes / target	No / reference
294	No / reference	Yes / target	No / reference	No / reference
295	Yes / target	Yes / target	No / reference	No / reference
296	Yes / target	Yes / target	Yes / target	No / reference
297	Yes / target	Yes / target	Yes / target	No / reference
298	No / reference	No / reference	No / reference	No / reference
299	Yes / target	Yes / target	Yes / target	Yes / target
300	Yes / target	No / reference	Yes / target	Yes / target
301	Yes / target	Yes / target	Yes / target	Yes / target
302	No / reference	Yes / target	Yes / target	No / reference
303	No / reference	Yes / target	No / reference	No / reference
304	No / reference	Yes / target	No / reference	No / reference
305	Yes / target	Yes / target	Yes / target	Yes / target
306	Yes / target	No / reference	Yes / target	No / reference
307	Yes / target	Yes / target	Yes / target	No / reference
308	Yes / target	Yes / target	Yes / target	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Predicted G3 from final hierarchical regression model	Residual from final hierarchical regression model	Standardized residual from final hierarchical regression model	Cook distance from final hierarchical regression model
281	9.51215	.48785	.39700	.00021
282	12.16571	-1.16571	-.94968	.00126
283	7.99183	-.99183	-.80798	.00091
284	11.17433	-1.17433	-.96431	.00183
285	7.53382	-1.53382	-1.26264	.00343
286	13.45443	-1.45443	-1.18442	.00192
287	12.01665	.98335	.80060	.00087
288	10.22756	-.22756	-.18482	.00004
289	12.74337	.25663	.20930	.00006
290	15.60812	1.39188	1.12811	.00131
291	10.64813	.35187	.28478	.00008
292	10.20025	.79975	.65776	.00090
293	12.24312	1.75688	1.42588	.00229
294	12.59584	1.40416	1.14544	.00196
295	11.12282	1.87718	1.53422	.00383
296	13.61365	.38635	.31622	.00017
297	16.35057	-.35057	-.28435	.00009
298	9.98192	.01808	.01484	.00000
299	11.62299	.37701	.30780	.00015
300	12.39815	-.39815	-.33359	.00039
301	15.71642	-.71642	-.58077	.00035
302	10.62219	.37781	.30647	.00010
303	11.17387	.82613	.67561	.00076
304	12.98100	.01900	.01549	.00000
305	12.59530	.40470	.32636	.00007
306	8.20809	.79191	.64260	.00046
307	16.59503	-.59503	-.48935	.00050
308	10.90681	3.09319	2.50620	.00632

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Outcome variable: final grade	First period grade	Second period grade	Student age	Weekly study time group
309	12	10	11	18	2
310	14	10	12	18	2
311	10	8	9	18	2
312	12	11	12	19	2
313	16	16	16	18	4
314	13	13	13	18	2
315	18	16	17	17	2
316	15	14	14	18	2
317	16	15	16	17	2
318	12	12	12	17	2
319	10	12	9	18	2
320	12	11	12	18	1
321	13	14	12	18	2
322	15	13	15	17	3
323	10	9	8	19	2
324	10	10	10	18	1
325	11	10	10	18	1
326	10	11	11	17	1
327	13	13	13	17	1
328	18	17	17	18	4
329	13	12	13	18	2
330	14	12	12	17	2
331	14	12	13	18	2
332	12	12	12	17	2
333	18	18	18	18	3
334	14	13	13	17	3
335	15	14	15	18	3
336	17	17	17	18	2

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Number of past class failures	School absences	Mother education	Father education
309	0	8	4	4
310	0	4	4	2
311	0	12	2	1
312	0	16	3	3
313	0	10	2	3
314	0	2	1	1
315	0	2	1	2
316	0	8	2	1
317	0	6	2	4
318	0	6	2	2
319	0	15	3	2
320	0	6	4	4
321	1	2	4	4
322	0	8	2	2
323	1	0	3	2
324	0	0	4	3
325	0	10	1	2
326	0	22	4	1
327	0	18	3	2
328	0	2	1	1
329	0	0	1	1
330	0	12	2	2
331	0	10	2	1
332	0	0	1	1
333	0	0	2	2
334	0	0	1	1
335	0	0	2	1
336	0	0	4	4

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Home to school travel time	Family relationship quality	Free time after school	Going out with friends
309	2	4	3	4
310	1	5	4	5
311	2	4	3	5
312	1	4	3	5
313	1	4	5	5
314	2	4	4	3
315	1	3	5	2
316	1	4	2	5
317	2	4	3	3
318	2	4	4	4
319	2	4	1	1
320	2	3	2	4
321	1	2	4	4
322	3	4	2	3
323	1	3	3	3
324	2	4	2	3
325	2	3	4	4
326	2	4	5	4
327	1	4	4	4
328	2	5	2	2
329	2	5	4	4
330	1	5	4	5
331	2	4	3	1
332	1	4	3	3
333	1	4	3	3
334	1	4	3	3
335	1	4	2	4
336	1	5	4	3

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Workday alcohol consumption	Weekend alcohol consumption	Current health status	School dummy: 1 = MS, 0 = GP
309	2	2	4	No / reference
310	1	3	5	No / reference
311	1	2	3	No / reference
312	3	3	5	No / reference
313	1	3	2	No / reference
314	1	1	3	No / reference
315	2	2	1	No / reference
316	1	2	1	No / reference
317	1	1	1	No / reference
318	2	3	5	No / reference
319	1	1	5	No / reference
320	1	4	3	No / reference
321	1	1	4	No / reference
322	1	1	1	No / reference
323	4	3	3	No / reference
324	1	2	1	No / reference
325	2	4	4	No / reference
326	2	4	5	No / reference
327	3	4	3	No / reference
328	1	1	3	No / reference
329	1	1	4	No / reference
330	1	2	5	No / reference
331	1	1	5	No / reference
332	1	2	4	No / reference
333	1	2	2	No / reference
334	1	1	3	No / reference
335	1	3	2	No / reference
336	1	1	2	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Sex dummy: 1 = male, 0 = female	Address dummy: 1 = urban, 0 = rural	Family size dummy: 1 = LE3, 0 = GT3	Parent cohabitation dummy: 1 = together
309	No / reference	No / reference	No / reference	Yes / target
310	Yes / target	Yes / target	No / reference	Yes / target
311	No / reference	No / reference	No / reference	Yes / target
312	No / reference	Yes / target	No / reference	Yes / target
313	No / reference	Yes / target	No / reference	Yes / target
314	No / reference	Yes / target	Yes / target	Yes / target
315	Yes / target	No / reference	No / reference	Yes / target
316	No / reference	Yes / target	No / reference	Yes / target
317	No / reference	Yes / target	No / reference	Yes / target
318	No / reference	Yes / target	Yes / target	Yes / target
319	No / reference	No / reference	No / reference	No / reference
320	Yes / target	Yes / target	No / reference	Yes / target
321	No / reference	Yes / target	No / reference	Yes / target
322	No / reference	Yes / target	No / reference	Yes / target
323	No / reference	No / reference	No / reference	Yes / target
324	Yes / target	Yes / target	Yes / target	Yes / target
325	Yes / target	Yes / target	No / reference	Yes / target
326	Yes / target	Yes / target	Yes / target	No / reference
327	Yes / target	Yes / target	Yes / target	No / reference
328	No / reference	No / reference	Yes / target	Yes / target
329	No / reference	Yes / target	No / reference	Yes / target
330	No / reference	Yes / target	No / reference	Yes / target
331	No / reference	Yes / target	No / reference	Yes / target
332	Yes / target	Yes / target	No / reference	Yes / target
333	No / reference	Yes / target	No / reference	Yes / target
334	No / reference	Yes / target	No / reference	Yes / target
335	Yes / target	Yes / target	No / reference	Yes / target
336	Yes / target	Yes / target	Yes / target	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	School support dummy: yes	Family support dummy: yes	Paid classes dummy: yes	Activities dummy: yes
309	No / reference	No / reference	No / reference	Yes / target
310	No / reference	Yes / target	No / reference	Yes / target
311	No / reference	Yes / target	No / reference	No / reference
312	No / reference	Yes / target	No / reference	Yes / target
313	No / reference	Yes / target	No / reference	Yes / target
314	No / reference	Yes / target	No / reference	No / reference
315	No / reference	Yes / target	No / reference	Yes / target
316	No / reference	Yes / target	No / reference	No / reference
317	No / reference	Yes / target	No / reference	No / reference
318	Yes / target	Yes / target	No / reference	No / reference
319	No / reference	No / reference	No / reference	No / reference
320	No / reference	No / reference	No / reference	Yes / target
321	Yes / target	Yes / target	No / reference	Yes / target
322	No / reference	Yes / target	No / reference	No / reference
323	Yes / target	Yes / target	No / reference	No / reference
324	No / reference	No / reference	No / reference	Yes / target
325	No / reference	No / reference	No / reference	No / reference
326	No / reference	No / reference	No / reference	Yes / target
327	No / reference	No / reference	No / reference	No / reference
328	No / reference	Yes / target	No / reference	Yes / target
329	Yes / target	No / reference	No / reference	Yes / target
330	No / reference	Yes / target	No / reference	No / reference
331	No / reference	No / reference	No / reference	Yes / target
332	No / reference	No / reference	No / reference	No / reference
333	No / reference	Yes / target	No / reference	No / reference
334	No / reference	Yes / target	No / reference	No / reference
335	No / reference	No / reference	No / reference	Yes / target
336	No / reference	Yes / target	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Nursery school dummy: yes	Higher education intention dummy: yes	Internet access dummy: yes	Romantic relationship dummy: yes
309	Yes / target	Yes / target	Yes / target	No / reference
310	Yes / target	Yes / target	Yes / target	Yes / target
311	Yes / target	No / reference	Yes / target	Yes / target
312	Yes / target	Yes / target	Yes / target	No / reference
313	Yes / target	Yes / target	Yes / target	Yes / target
314	No / reference	Yes / target	No / reference	No / reference
315	No / reference	Yes / target	No / reference	Yes / target
316	Yes / target	Yes / target	Yes / target	Yes / target
317	Yes / target	Yes / target	Yes / target	Yes / target
318	Yes / target	Yes / target	Yes / target	Yes / target
319	No / reference	No / reference	Yes / target	Yes / target
320	Yes / target	Yes / target	Yes / target	No / reference
321	Yes / target	Yes / target	Yes / target	Yes / target
322	Yes / target	Yes / target	Yes / target	Yes / target
323	Yes / target	No / reference	Yes / target	No / reference
324	Yes / target	Yes / target	Yes / target	No / reference
325	No / reference	No / reference	Yes / target	No / reference
326	Yes / target	Yes / target	Yes / target	Yes / target
327	Yes / target	Yes / target	Yes / target	No / reference
328	Yes / target	Yes / target	No / reference	No / reference
329	Yes / target	Yes / target	Yes / target	No / reference
330	No / reference	Yes / target	Yes / target	No / reference
331	Yes / target	Yes / target	Yes / target	Yes / target
332	No / reference	Yes / target	Yes / target	No / reference
333	Yes / target	Yes / target	Yes / target	No / reference
334	Yes / target	Yes / target	Yes / target	No / reference
335	Yes / target	Yes / target	Yes / target	No / reference
336	Yes / target	Yes / target	Yes / target	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Predicted G3 from final hierarchical regression model	Residual from final hierarchical regression model	Standardized residual from final hierarchical regression model	Cook distance from final hierarchical regression model
309	11.38314	.61686	.50077	.00029
310	12.01943	1.98057	1.60742	.00291
311	9.41999	.58001	.47398	.00036
312	12.55593	-.55593	-.45243	.00027
313	16.83970	-.83970	-.68446	.00067
314	13.89722	-.89722	-.73092	.00074
315	17.28758	.71242	.58808	.00081
316	14.78058	.21942	.17801	.00003
317	16.85217	-.85217	-.69143	.00053
318	12.42045	-.42045	-.34210	.00015
319	10.06595	-.06595	-.05491	.00001
320	12.46243	-.46243	-.37539	.00016
321	12.44562	.55438	.45424	.00037
322	15.91834	-.91834	-.74510	.00061
323	7.81817	2.18183	1.80763	.00857
324	10.62336	-.62336	-.50716	.00033
325	10.43317	.56683	.46215	.00031
326	11.51639	-1.51639	-1.25641	.00415
327	13.44987	-.44987	-.36740	.00021
328	17.82462	.17538	.14339	.00003
329	13.26979	-.26979	-.21982	.00007
330	12.70590	1.29410	1.04961	.00119
331	13.62526	.37474	.30414	.00010
332	12.41767	-.41767	-.33782	.00010
333	18.74848	-.74848	-.60555	.00033
334	13.71267	.28733	.23178	.00004
335	15.34479	-.34479	-.27987	.00009
336	17.67231	-.67231	-.54874	.00046

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Outcome variable: final grade	First period grade	Second period grade	Student age	Weekly study time group
337	16	15	16	18	2
338	18	17	18	17	3
339	19	18	19	17	4
340	15	14	15	18	3
341	15	14	15	17	1
342	13	14	13	19	2
343	14	13	14	18	2
344	17	16	17	18	4
345	17	18	18	18	1
346	15	14	15	18	2
347	13	12	13	17	1
348	8	7	7	17	3
349	16	16	16	17	3
350	18	18	18	17	4
351	11	9	10	19	3
352	15	14	15	20	1
353	11	10	10	19	2
354	11	10	10	18	2
355	15	12	12	18	2
356	14	11	12	17	2
357	17	15	16	17	1
358	17	14	15	18	3
359	15	12	12	18	1
360	17	15	15	17	3
361	14	11	12	18	2
362	10	11	10	19	2
363	13	12	11	18	2
364	14	11	12	18	1

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Number of past class failures	School absences	Mother education	Father education
337	0	2	4	2
338	0	0	4	3
339	0	0	3	1
340	0	0	3	2
341	0	0	3	3
342	0	2	4	4
343	0	0	4	3
344	0	0	4	3
345	0	0	4	4
346	0	0	4	4
347	0	0	4	4
348	0	0	4	4
349	0	0	4	2
350	0	0	3	2
351	1	0	2	1
352	2	0	3	2
353	0	0	3	3
354	0	2	1	4
355	0	2	2	1
356	0	2	2	3
357	0	2	4	4
358	0	2	4	3
359	0	8	4	3
360	0	2	3	4
361	0	8	3	3
362	0	9	4	2
363	0	0	4	4
364	0	4	3	4

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Home to school travel time	Family relationship quality	Free time after school	Going out with friends
337	1	4	3	2
338	1	4	2	2
339	2	3	1	2
340	2	5	4	2
341	1	4	4	3
342	2	2	3	4
343	2	4	4	5
344	1	4	3	3
345	1	1	4	2
346	1	4	2	4
347	2	4	1	1
348	2	5	3	4
349	2	4	3	3
350	1	5	2	2
351	2	4	3	1
352	1	5	5	3
353	1	4	5	3
354	1	3	4	4
355	2	5	3	3
356	2	4	2	1
357	1	4	4	4
358	1	4	3	4
359	2	3	2	4
360	1	4	3	4
361	1	4	1	4
362	2	5	4	4
363	1	4	4	4
364	1	5	4	4

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Workday alcohol consumption	Weekend alcohol consumption	Current health status	School dummy: 1 = MS, 0 = GP
337	1	4	5	No / reference
338	1	2	3	No / reference
339	1	1	3	No / reference
340	1	1	4	No / reference
341	1	3	5	No / reference
342	2	3	2	No / reference
343	1	2	2	No / reference
344	1	1	3	No / reference
345	2	2	1	No / reference
346	1	1	4	No / reference
347	2	2	5	No / reference
348	1	1	5	No / reference
349	1	1	3	No / reference
350	1	2	5	No / reference
351	1	1	5	No / reference
352	1	1	5	No / reference
353	1	2	5	No / reference
354	1	2	5	No / reference
355	1	2	1	No / reference
356	1	1	3	No / reference
357	1	1	5	No / reference
358	1	1	5	No / reference
359	1	4	1	No / reference
360	2	5	5	No / reference
361	1	1	3	No / reference
362	1	1	1	No / reference
363	3	3	5	No / reference
364	1	1	1	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Sex dummy: 1 = male, 0 = female	Address dummy: 1 = urban, 0 = rural	Family size dummy: 1 = LE3, 0 = GT3	Parent cohabitation dummy: 1 = together
337	Yes / target	Yes / target	No / reference	Yes / target
338	No / reference	Yes / target	No / reference	Yes / target
339	No / reference	No / reference	Yes / target	Yes / target
340	Yes / target	No / reference	Yes / target	Yes / target
341	Yes / target	Yes / target	No / reference	Yes / target
342	No / reference	Yes / target	No / reference	Yes / target
343	No / reference	Yes / target	Yes / target	Yes / target
344	No / reference	Yes / target	No / reference	Yes / target
345	Yes / target	Yes / target	Yes / target	Yes / target
346	No / reference	Yes / target	Yes / target	No / reference
347	Yes / target	Yes / target	Yes / target	Yes / target
348	No / reference	No / reference	No / reference	Yes / target
349	No / reference	Yes / target	No / reference	Yes / target
350	No / reference	Yes / target	No / reference	Yes / target
351	Yes / target	No / reference	Yes / target	Yes / target
352	Yes / target	Yes / target	No / reference	No / reference
353	Yes / target	No / reference	No / reference	Yes / target
354	No / reference	Yes / target	No / reference	Yes / target
355	No / reference	Yes / target	No / reference	Yes / target
356	No / reference	Yes / target	No / reference	Yes / target
357	No / reference	No / reference	No / reference	Yes / target
358	No / reference	Yes / target	No / reference	Yes / target
359	No / reference	Yes / target	Yes / target	Yes / target
360	No / reference	No / reference	No / reference	Yes / target
361	No / reference	Yes / target	No / reference	Yes / target
362	Yes / target	Yes / target	No / reference	Yes / target
363	No / reference	Yes / target	No / reference	Yes / target
364	No / reference	Yes / target	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	School support dummy: yes	Family support dummy: yes	Paid classes dummy: yes	Activities dummy: yes
337	No / reference	Yes / target	No / reference	Yes / target
338	No / reference	Yes / target	No / reference	No / reference
339	No / reference	Yes / target	No / reference	No / reference
340	No / reference	Yes / target	No / reference	Yes / target
341	No / reference	Yes / target	No / reference	No / reference
342	No / reference	Yes / target	No / reference	Yes / target
343	No / reference	Yes / target	No / reference	No / reference
344	No / reference	Yes / target	No / reference	No / reference
345	No / reference	Yes / target	No / reference	No / reference
346	No / reference	Yes / target	Yes / target	No / reference
347	No / reference	No / reference	No / reference	No / reference
348	No / reference	Yes / target	No / reference	Yes / target
349	No / reference	Yes / target	No / reference	No / reference
350	No / reference	Yes / target	No / reference	Yes / target
351	No / reference	No / reference	No / reference	Yes / target
352	No / reference	No / reference	No / reference	Yes / target
353	No / reference	No / reference	No / reference	Yes / target
354	Yes / target	Yes / target	No / reference	No / reference
355	No / reference	Yes / target	No / reference	Yes / target
356	No / reference	No / reference	No / reference	Yes / target
357	No / reference	No / reference	No / reference	Yes / target
358	No / reference	Yes / target	No / reference	Yes / target
359	No / reference	Yes / target	No / reference	No / reference
360	No / reference	Yes / target	No / reference	Yes / target
361	No / reference	Yes / target	No / reference	No / reference
362	No / reference	Yes / target	No / reference	Yes / target
363	No / reference	Yes / target	No / reference	No / reference
364	No / reference	Yes / target	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Nursery school dummy: yes	Higher education intention dummy: yes	Internet access dummy: yes	Romantic relationship dummy: yes
337	Yes / target	Yes / target	Yes / target	Yes / target
338	Yes / target	Yes / target	Yes / target	No / reference
339	Yes / target	Yes / target	No / reference	No / reference
340	Yes / target	Yes / target	Yes / target	No / reference
341	Yes / target	Yes / target	Yes / target	No / reference
342	Yes / target	Yes / target	Yes / target	No / reference
343	Yes / target	Yes / target	Yes / target	Yes / target
344	Yes / target	Yes / target	Yes / target	No / reference
345	Yes / target	Yes / target	Yes / target	Yes / target
346	Yes / target	Yes / target	Yes / target	Yes / target
347	Yes / target	Yes / target	Yes / target	No / reference
348	Yes / target	Yes / target	Yes / target	No / reference
349	Yes / target	Yes / target	Yes / target	No / reference
350	No / reference	Yes / target	Yes / target	No / reference
351	Yes / target	Yes / target	Yes / target	Yes / target
352	Yes / target	Yes / target	No / reference	No / reference
353	Yes / target	Yes / target	No / reference	Yes / target
354	No / reference	Yes / target	No / reference	Yes / target
355	Yes / target	Yes / target	Yes / target	No / reference
356	Yes / target	Yes / target	Yes / target	Yes / target
357	Yes / target	Yes / target	Yes / target	No / reference
358	Yes / target	Yes / target	Yes / target	Yes / target
359	Yes / target	Yes / target	Yes / target	No / reference
360	No / reference	Yes / target	Yes / target	No / reference
361	Yes / target	Yes / target	Yes / target	No / reference
362	Yes / target	Yes / target	Yes / target	Yes / target
363	Yes / target	Yes / target	Yes / target	No / reference
364	Yes / target	Yes / target	Yes / target	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Predicted G3 from final hierarchical regression model	Residual from final hierarchical regression model	Standardized residual from final hierarchical regression model	Cook distance from final hierarchical regression model
337	16.21773	-.21773	-.17738	.00004
338	18.52110	-.52110	-.42063	.00013
339	19.59188	-.59188	-.48553	.00045
340	15.41327	-.41327	-.33548	.00013
341	15.17001	-.17001	-.13730	.00001
342	14.00884	-1.00884	-.82040	.00085
343	14.58893	-.58893	-.47805	.00026
344	17.57289	-.57289	-.46315	.00018
345	18.55314	-1.55314	-1.28451	.00411
346	15.42359	-.42359	-.34889	.00027
347	13.28390	-.28390	-.23092	.00007
348	7.55293	.44707	.36495	.00021
349	16.72977	-.72977	-.58926	.00027
350	18.71277	-.71277	-.58064	.00047
351	10.11121	.88879	.72681	.00088
352	14.68944	.31056	.25830	.00019
353	10.01038	.98962	.80919	.00109
354	10.43962	.56038	.46247	.00050
355	12.90026	2.09974	1.70010	.00277
356	12.64538	1.35462	1.09684	.00116
357	16.07207	.92793	.75467	.00073
358	15.44282	1.55718	1.25660	.00114
359	12.96434	2.03566	1.65819	.00381
360	15.45869	1.54131	1.25771	.00239
361	12.70460	1.29540	1.04763	.00096
362	10.87877	-.87877	-.71752	.00080
363	11.46097	1.53903	1.24746	.00161
364	12.57454	1.42546	1.15763	.00157

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Outcome variable: final grade	First period grade	Second period grade	Student age	Weekly study time group
365	17	14	15	17	1
366	17	15	14	17	2
367	13	12	12	17	2
368	14	11	12	17	2
369	11	8	9	18	1
370	11	10	10	19	3
371	9	8	8	19	2
372	10	10	10	18	1
373	13	14	13	17	2
374	10	11	11	17	3
375	17	17	18	17	3
376	15	14	14	17	3
377	14	14	14	18	3
378	13	13	14	18	3
379	17	17	18	17	1
380	10	11	10	17	1
381	13	13	12	17	3
382	15	15	14	17	3
383	11	11	12	17	1
384	12	11	11	18	4
385	10	11	10	19	1
386	10	10	9	18	2
387	15	15	15	17	3
388	15	15	14	18	1
389	12	10	11	18	2
390	12	10	9	18	2
391	14	14	13	18	4
392	14	11	13	17	3

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Number of past class failures	School absences	Mother education	Father education
365	0	2	4	4
366	0	14	4	3
367	0	0	3	3
368	0	2	2	1
369	0	2	4	4
370	0	12	1	1
371	2	2	1	1
372	0	2	2	2
373	0	4	2	2
374	0	0	2	2
375	0	0	3	1
376	0	0	0	2
377	0	0	1	1
378	0	0	4	4
379	0	0	3	3
380	0	2	2	2
381	0	0	4	4
382	0	4	4	4
383	0	2	3	3
384	0	0	2	2
385	0	0	3	2
386	0	2	2	2
387	0	0	2	4
388	0	6	2	2
389	0	8	3	3
390	0	0	2	2
391	0	6	2	2
392	0	8	3	4

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Home to school travel time	Family relationship quality	Free time after school	Going out with friends
365	1	5	3	4
366	1	5	2	2
367	1	5	3	3
368	1	4	2	3
369	1	4	2	5
370	3	1	5	5
371	3	5	3	4
372	1	4	3	5
373	1	4	2	2
374	1	3	3	2
375	1	3	4	3
376	2	3	3	3
377	2	4	5	5
378	1	4	3	3
379	1	4	3	5
380	4	4	4	5
381	1	5	4	4
382	2	4	3	3
383	1	4	2	5
384	1	4	5	5
385	1	5	3	4
386	4	4	2	5
387	1	4	4	3
388	1	5	4	2
389	1	5	3	4
390	1	4	3	3
391	2	4	4	4
392	1	4	4	5

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Workday alcohol consumption	Weekend alcohol consumption	Current health status	School dummy: 1 = MS, 0 = GP
365	1	2	5	No / reference
366	1	2	5	No / reference
367	1	1	5	No / reference
368	2	2	2	No / reference
369	3	4	5	No / reference
370	4	3	5	No / reference
371	1	1	4	No / reference
372	2	4	5	No / reference
373	1	1	3	No / reference
374	2	2	3	No / reference
375	2	3	5	No / reference
376	2	3	2	No / reference
377	1	2	2	No / reference
378	2	2	3	No / reference
379	3	5	5	No / reference
380	5	5	4	No / reference
381	1	3	4	No / reference
382	1	2	4	No / reference
383	2	5	5	No / reference
384	2	4	5	No / reference
385	2	2	5	No / reference
386	1	1	2	No / reference
387	1	1	5	No / reference
388	1	2	5	No / reference
389	1	1	4	No / reference
390	1	1	2	No / reference
391	1	1	4	No / reference
392	1	3	5	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Sex dummy: 1 = male, 0 = female	Address dummy: 1 = urban, 0 = rural	Family size dummy: 1 = LE3, 0 = GT3	Parent cohabitation dummy: 1 = together
365	No / reference	Yes / target	No / reference	Yes / target
366	No / reference	Yes / target	No / reference	No / reference
367	No / reference	Yes / target	Yes / target	No / reference
368	No / reference	Yes / target	Yes / target	Yes / target
369	Yes / target	Yes / target	Yes / target	Yes / target
370	No / reference	Yes / target	No / reference	Yes / target
371	No / reference	Yes / target	Yes / target	No / reference
372	No / reference	Yes / target	No / reference	Yes / target
373	No / reference	Yes / target	No / reference	Yes / target
374	No / reference	No / reference	Yes / target	Yes / target
375	No / reference	Yes / target	No / reference	Yes / target
376	No / reference	Yes / target	Yes / target	Yes / target
377	No / reference	Yes / target	No / reference	Yes / target
378	Yes / target	Yes / target	No / reference	Yes / target
379	Yes / target	Yes / target	No / reference	Yes / target
380	Yes / target	No / reference	No / reference	Yes / target
381	No / reference	Yes / target	No / reference	Yes / target
382	No / reference	Yes / target	No / reference	Yes / target
383	No / reference	Yes / target	No / reference	Yes / target
384	Yes / target	Yes / target	Yes / target	Yes / target
385	Yes / target	No / reference	No / reference	Yes / target
386	No / reference	Yes / target	No / reference	Yes / target
387	No / reference	No / reference	No / reference	Yes / target
388	Yes / target	Yes / target	No / reference	Yes / target
389	No / reference	Yes / target	No / reference	Yes / target
390	No / reference	Yes / target	Yes / target	Yes / target
391	No / reference	No / reference	No / reference	Yes / target
392	No / reference	Yes / target	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	School support dummy: yes	Family support dummy: yes	Paid classes dummy: yes	Activities dummy: yes
365	No / reference	No / reference	No / reference	Yes / target
366	No / reference	Yes / target	No / reference	No / reference
367	Yes / target	Yes / target	No / reference	No / reference
368	No / reference	No / reference	No / reference	Yes / target
369	No / reference	Yes / target	No / reference	No / reference
370	No / reference	No / reference	No / reference	Yes / target
371	No / reference	Yes / target	No / reference	No / reference
372	No / reference	Yes / target	No / reference	Yes / target
373	No / reference	Yes / target	No / reference	No / reference
374	No / reference	Yes / target	No / reference	Yes / target
375	No / reference	Yes / target	No / reference	No / reference
376	No / reference	No / reference	No / reference	No / reference
377	No / reference	No / reference	No / reference	Yes / target
378	No / reference	No / reference	No / reference	Yes / target
379	No / reference	No / reference	No / reference	Yes / target
380	No / reference	Yes / target	No / reference	No / reference
381	No / reference	Yes / target	No / reference	Yes / target
382	No / reference	Yes / target	No / reference	No / reference
383	No / reference	Yes / target	Yes / target	Yes / target
384	No / reference	Yes / target	Yes / target	Yes / target
385	No / reference	Yes / target	No / reference	No / reference
386	No / reference	No / reference	No / reference	Yes / target
387	No / reference	Yes / target	No / reference	No / reference
388	No / reference	No / reference	No / reference	No / reference
389	No / reference	No / reference	No / reference	Yes / target
390	No / reference	No / reference	No / reference	Yes / target
391	No / reference	No / reference	No / reference	Yes / target
392	No / reference	No / reference	No / reference	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Nursery school dummy: yes	Higher education intention dummy: yes	Internet access dummy: yes	Romantic relationship dummy: yes
365	Yes / target	Yes / target	Yes / target	No / reference
366	Yes / target	Yes / target	Yes / target	Yes / target
367	Yes / target	Yes / target	Yes / target	No / reference
368	Yes / target	Yes / target	Yes / target	No / reference
369	Yes / target	Yes / target	Yes / target	No / reference
370	Yes / target	No / reference	No / reference	Yes / target
371	No / reference	Yes / target	Yes / target	Yes / target
372	Yes / target	Yes / target	Yes / target	Yes / target
373	Yes / target	Yes / target	No / reference	Yes / target
374	Yes / target	Yes / target	Yes / target	No / reference
375	No / reference	Yes / target	Yes / target	No / reference
376	Yes / target	Yes / target	Yes / target	No / reference
377	Yes / target	Yes / target	Yes / target	No / reference
378	Yes / target	Yes / target	Yes / target	No / reference
379	No / reference	Yes / target	Yes / target	No / reference
380	Yes / target	Yes / target	Yes / target	No / reference
381	Yes / target	Yes / target	Yes / target	No / reference
382	No / reference	Yes / target	Yes / target	Yes / target
383	Yes / target	Yes / target	Yes / target	No / reference
384	Yes / target	Yes / target	Yes / target	No / reference
385	No / reference	Yes / target	No / reference	Yes / target
386	Yes / target	Yes / target	No / reference	Yes / target
387	Yes / target	Yes / target	Yes / target	Yes / target
388	No / reference	Yes / target	Yes / target	No / reference
389	Yes / target	Yes / target	Yes / target	No / reference
390	No / reference	Yes / target	Yes / target	Yes / target
391	Yes / target	Yes / target	No / reference	No / reference
392	Yes / target	Yes / target	Yes / target	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Predicted G3 from final hierarchical regression model	Residual from final hierarchical regression model	Standardized residual from final hierarchical regression model	Cook distance from final hierarchical regression model
365	15.19718	1.80282	1.45788	.00185
366	14.87574	2.12426	1.73242	.00442
367	12.44274	.55726	.45385	.00028
368	12.44918	1.55082	1.25521	.00147
369	9.13937	1.86063	1.51576	.00320
370	10.49980	.50020	.41835	.00058
371	8.73488	.26512	.21935	.00012
372	10.41490	-.41490	-.33623	.00012
373	13.73750	-.73750	-.59611	.00030
374	11.60122	-1.60122	-1.30007	.00195
375	18.38096	-1.38096	-1.12597	.00185
376	14.81713	.18287	.14897	.00003
377	14.70950	-.70950	-.57600	.00038
378	14.23086	-1.23086	-.99464	.00081
379	17.95770	-.95770	-.78032	.00086
380	10.45205	-.45205	-.37204	.00030
381	12.64510	.35490	.28664	.00006
382	14.95642	.04358	.03530	.00000
383	12.11819	-1.11819	-.91746	.00161
384	11.24478	.75522	.62336	.00091
385	10.19229	-.19229	-.15821	.00005
386	10.06386	-.06386	-.05258	.00001
387	15.43932	-.43932	-.35747	.00017
388	14.51423	.48577	.39482	.00019
389	11.45665	.54335	.43927	.00016
390	9.83841	2.16159	1.76004	.00420
391	13.68917	.31083	.25337	.00009
392	13.23612	.76388	.62031	.00045

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Outcome variable: final grade	First period grade	Second period grade	Student age	Weekly study time group
393	15	12	13	17	2
394	15	14	14	18	4
395	16	14	14	17	2
396	13	12	12	18	2
397	17	16	16	18	2
398	14	10	12	17	2
399	14	11	12	18	3
400	17	14	16	18	3
401	17	15	14	18	3
402	14	14	13	18	3
403	13	11	12	17	3
404	15	12	15	17	2
405	16	12	16	17	2
406	11	10	11	19	1
407	13	10	13	17	1
408	12	9	12	21	3
409	12	9	11	18	2
410	15	13	14	18	2
411	17	13	17	17	2
412	15	12	15	17	3
413	17	14	17	18	2
414	10	9	10	21	2
415	15	11	15	20	3
416	11	9	10	19	1
417	18	16	18	17	2
418	17	14	17	18	3
419	14	13	14	18	1
420	11	7	11	19	1

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Number of past class failures	School absences	Mother education	Father education
393	0	0	3	2
394	0	4	3	3
395	0	0	3	2
396	0	0	4	4
397	0	6	3	4
398	0	18	2	2
399	0	0	2	3
400	0	4	3	2
401	0	4	4	3
402	0	0	4	3
403	0	0	4	3
404	0	10	2	1
405	0	4	2	1
406	1	16	2	3
407	1	6	3	1
408	2	0	4	4
409	0	11	2	2
410	0	9	3	4
411	0	0	2	2
412	0	2	4	4
413	0	0	4	2
414	2	21	1	1
415	0	8	1	1
416	1	5	4	4
417	0	10	3	2
418	0	5	3	2
419	0	13	2	3
420	0	10	2	1

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Home to school travel time	Family relationship quality	Free time after school	Going out with friends
393	1	4	3	2
394	1	5	3	3
395	1	4	3	3
396	1	4	3	3
397	1	4	3	3
398	1	3	3	1
399	1	4	3	3
400	1	5	4	3
401	1	5	3	2
402	1	5	4	5
403	1	4	4	3
404	2	4	3	4
405	1	4	3	5
406	2	2	2	3
407	1	4	1	2
408	1	3	3	2
409	1	4	4	4
410	1	4	3	5
411	1	4	3	4
412	1	4	4	2
413	1	4	2	2
414	2	5	3	3
415	2	3	2	2
416	1	3	2	5
417	1	4	4	4
418	1	4	3	4
419	1	3	1	3
420	1	5	3	4

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Workday alcohol consumption	Weekend alcohol consumption	Current health status	School dummy: 1 = MS, 0 = GP
393	2	3	2	No / reference
394	1	1	1	No / reference
395	2	3	2	No / reference
396	2	2	2	No / reference
397	1	3	5	No / reference
398	1	2	4	No / reference
399	1	2	3	No / reference
400	2	3	1	No / reference
401	1	2	4	No / reference
402	2	3	5	No / reference
403	1	3	4	No / reference
404	2	2	1	No / reference
405	2	4	4	No / reference
406	3	4	5	No / reference
407	1	1	3	No / reference
408	1	1	5	No / reference
409	1	3	3	No / reference
410	1	4	2	No / reference
411	1	3	4	No / reference
412	1	2	4	No / reference
413	1	1	3	No / reference
414	5	2	4	No / reference
415	1	3	3	No / reference
416	4	4	5	No / reference
417	1	2	5	No / reference
418	1	2	2	No / reference
419	4	5	4	No / reference
420	1	4	4	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Sex dummy: 1 = male, 0 = female	Address dummy: 1 = urban, 0 = rural	Family size dummy: 1 = LE3, 0 = GT3	Parent cohabitation dummy: 1 = together
393	No / reference	Yes / target	No / reference	Yes / target
394	No / reference	Yes / target	Yes / target	Yes / target
395	No / reference	No / reference	No / reference	No / reference
396	Yes / target	Yes / target	No / reference	Yes / target
397	Yes / target	Yes / target	Yes / target	Yes / target
398	No / reference	Yes / target	No / reference	No / reference
399	No / reference	Yes / target	No / reference	Yes / target
400	No / reference	Yes / target	No / reference	Yes / target
401	Yes / target	No / reference	No / reference	Yes / target
402	Yes / target	Yes / target	No / reference	Yes / target
403	No / reference	Yes / target	No / reference	Yes / target
404	No / reference	Yes / target	No / reference	Yes / target
405	No / reference	Yes / target	No / reference	Yes / target
406	No / reference	Yes / target	Yes / target	No / reference
407	No / reference	Yes / target	No / reference	Yes / target
408	No / reference	Yes / target	Yes / target	Yes / target
409	Yes / target	Yes / target	Yes / target	Yes / target
410	Yes / target	Yes / target	Yes / target	No / reference
411	No / reference	Yes / target	No / reference	Yes / target
412	Yes / target	Yes / target	Yes / target	No / reference
413	No / reference	Yes / target	Yes / target	Yes / target
414	Yes / target	No / reference	Yes / target	Yes / target
415	No / reference	No / reference	No / reference	Yes / target
416	No / reference	Yes / target	No / reference	Yes / target
417	Yes / target	Yes / target	Yes / target	No / reference
418	No / reference	Yes / target	No / reference	Yes / target
419	Yes / target	No / reference	No / reference	Yes / target
420	Yes / target	Yes / target	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	School support dummy: yes	Family support dummy: yes	Paid classes dummy: yes	Activities dummy: yes
393	No / reference	Yes / target	No / reference	No / reference
394	No / reference	Yes / target	No / reference	No / reference
395	No / reference	Yes / target	No / reference	No / reference
396	No / reference	Yes / target	No / reference	Yes / target
397	No / reference	No / reference	No / reference	Yes / target
398	No / reference	Yes / target	No / reference	No / reference
399	No / reference	Yes / target	No / reference	No / reference
400	No / reference	No / reference	No / reference	No / reference
401	No / reference	No / reference	No / reference	No / reference
402	No / reference	Yes / target	No / reference	No / reference
403	No / reference	Yes / target	No / reference	Yes / target
404	No / reference	Yes / target	No / reference	Yes / target
405	No / reference	Yes / target	No / reference	Yes / target
406	No / reference	No / reference	No / reference	No / reference
407	No / reference	Yes / target	Yes / target	No / reference
408	No / reference	No / reference	Yes / target	Yes / target
409	No / reference	Yes / target	No / reference	Yes / target
410	No / reference	No / reference	No / reference	Yes / target
411	No / reference	Yes / target	No / reference	Yes / target
412	No / reference	Yes / target	No / reference	No / reference
413	No / reference	Yes / target	No / reference	Yes / target
414	No / reference	Yes / target	No / reference	Yes / target
415	No / reference	No / reference	No / reference	No / reference
416	No / reference	Yes / target	No / reference	No / reference
417	No / reference	Yes / target	No / reference	No / reference
418	No / reference	Yes / target	No / reference	No / reference
419	No / reference	No / reference	No / reference	No / reference
420	No / reference	No / reference	No / reference	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Nursery school dummy: yes	Higher education intention dummy: yes	Internet access dummy: yes	Romantic relationship dummy: yes
393	Yes / target	Yes / target	Yes / target	Yes / target
394	Yes / target	Yes / target	Yes / target	No / reference
395	Yes / target	Yes / target	Yes / target	No / reference
396	Yes / target	Yes / target	Yes / target	No / reference
397	Yes / target	Yes / target	Yes / target	Yes / target
398	Yes / target	Yes / target	Yes / target	Yes / target
399	Yes / target	Yes / target	Yes / target	No / reference
400	Yes / target	Yes / target	Yes / target	Yes / target
401	Yes / target	Yes / target	Yes / target	Yes / target
402	Yes / target	Yes / target	Yes / target	Yes / target
403	Yes / target	Yes / target	Yes / target	Yes / target
404	Yes / target	Yes / target	Yes / target	Yes / target
405	Yes / target	Yes / target	Yes / target	No / reference
406	Yes / target	No / reference	Yes / target	No / reference
407	Yes / target	Yes / target	Yes / target	Yes / target
408	Yes / target	Yes / target	Yes / target	No / reference
409	No / reference	No / reference	Yes / target	No / reference
410	Yes / target	Yes / target	Yes / target	Yes / target
411	Yes / target	Yes / target	Yes / target	No / reference
412	Yes / target	Yes / target	Yes / target	No / reference
413	Yes / target	Yes / target	Yes / target	No / reference
414	Yes / target	No / reference	Yes / target	Yes / target
415	Yes / target	Yes / target	Yes / target	Yes / target
416	Yes / target	Yes / target	Yes / target	Yes / target
417	Yes / target	Yes / target	Yes / target	No / reference
418	Yes / target	Yes / target	Yes / target	Yes / target
419	Yes / target	Yes / target	Yes / target	No / reference
420	Yes / target	Yes / target	Yes / target	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Predicted G3 from final hierarchical regression model	Residual from final hierarchical regression model	Standardized residual from final hierarchical regression model	Cook distance from final hierarchical regression model
393	13.37939	1.62061	1.30934	.00138
394	14.91015	.08985	.07292	.00001
395	14.49139	1.50861	1.23077	.00227
396	12.50113	.49887	.40313	.00013
397	16.41668	.58332	.47325	.00025
398	12.74396	1.25604	1.02755	.00179
399	12.62264	1.37736	1.11129	.00087
400	16.20394	.79606	.64678	.00050
401	14.28691	2.71309	2.20867	.00656
402	13.29862	.70138	.56886	.00035
403	12.37365	.62635	.50602	.00021
404	15.49929	-.49929	-.40471	.00017
405	16.00561	-.00561	-.00456	.00000
406	11.40583	-.40583	-.33464	.00025
407	12.87955	.12045	.09920	.00002
408	11.73947	.26053	.21880	.00017
409	11.36901	.63099	.51680	.00048
410	14.51559	.48441	.39596	.00026
411	17.08453	-.08453	-.06847	.00000
412	15.25656	-.25656	-.20891	.00006
413	17.34358	-.34358	-.27881	.00009
414	9.91360	.08640	.07277	.00002
415	15.30965	-.30965	-.25411	.00012
416	10.00424	.99576	.81559	.00119
417	18.35743	-.35743	-.29149	.00012
418	17.33110	-.33110	-.26771	.00006
419	14.08798	-.08798	-.07220	.00001
420	10.87630	.12370	.10116	.00002

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Outcome variable: final grade	First period grade	Second period grade	Student age	Weekly study time group
421	17	14	17	18	2
422	10	8	10	20	1
423	13	10	13	18	2
424	11	10	11	16	1
425	12	12	12	16	2
426	10	10	10	15	1
427	11	10	10	15	1
428	17	16	17	16	2
429	9	6	8	15	1
430	11	10	11	16	2
431	11	10	11	16	3
432	10	10	10	17	2
433	7	6	6	17	1
434	14	13	14	15	1
435	11	10	9	16	4
436	10	10	10	15	2
437	8	6	7	15	1
438	12	12	11	16	1
439	12	10	11	17	1
440	16	14	16	15	1
441	0	7	0	16	2
442	9	8	9	17	2
443	14	12	13	15	2
444	8	7	9	15	2
445	11	9	10	16	2
446	9	7	9	15	2
447	11	11	11	15	2
448	9	8	10	17	1

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Number of past class failures	School absences	Mother education	Father education
421	0	10	2	2
422	1	5	1	0
423	0	4	3	2
424	0	11	1	3
425	0	0	2	2
426	1	6	1	1
427	0	4	3	3
428	0	0	2	3
429	0	0	2	1
430	0	5	4	4
431	0	0	1	2
432	1	0	3	2
433	1	0	1	1
434	0	0	4	4
435	0	4	2	2
436	0	0	1	1
437	1	4	1	1
438	0	0	0	2
439	0	2	2	3
440	0	0	3	3
441	0	0	1	1
442	0	4	1	1
443	0	0	4	1
444	0	7	4	1
445	0	4	3	4
446	0	8	1	1
447	0	0	3	3
448	0	8	2	1

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Home to school travel time	Family relationship quality	Free time after school	Going out with friends
421	2	4	1	4
422	2	5	3	1
423	1	3	1	2
424	2	4	3	3
425	2	4	4	4
426	1	4	1	3
427	2	5	4	4
428	2	4	5	2
429	2	1	3	4
430	1	5	3	2
431	1	4	4	3
432	1	4	5	4
433	1	5	4	4
434	2	1	5	1
435	2	1	2	1
436	2	5	4	3
437	2	4	4	3
438	2	3	2	3
439	2	5	5	5
440	2	4	1	3
441	2	5	4	5
442	1	4	4	3
443	1	5	3	4
444	1	5	3	4
445	3	3	4	5
446	4	5	4	5
447	1	5	3	3
448	3	5	5	5

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Workday alcohol consumption	Weekend alcohol consumption	Current health status	School dummy: 1 = MS, 0 = GP
421	1	3	4	No / reference
422	1	1	5	No / reference
423	1	2	1	No / reference
424	1	3	5	Yes / target
425	1	1	5	Yes / target
426	1	1	2	Yes / target
427	2	3	5	Yes / target
428	1	2	5	Yes / target
429	1	1	1	Yes / target
430	1	3	2	Yes / target
431	1	1	5	Yes / target
432	1	2	5	Yes / target
433	2	2	5	Yes / target
434	3	5	5	Yes / target
435	1	1	1	Yes / target
436	1	2	4	Yes / target
437	1	2	2	Yes / target
438	1	2	2	Yes / target
439	1	3	3	Yes / target
440	1	1	4	Yes / target
441	4	5	3	Yes / target
442	2	4	5	Yes / target
443	1	2	2	Yes / target
444	1	2	2	Yes / target
445	1	2	5	Yes / target
446	2	4	4	Yes / target
447	1	1	5	Yes / target
448	5	5	3	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Sex dummy: 1 = male, 0 = female	Address dummy: 1 = urban, 0 = rural	Family size dummy: 1 = LE3, 0 = GT3	Parent cohabitation dummy: 1 = together
421	No / reference	Yes / target	Yes / target	No / reference
422	No / reference	Yes / target	No / reference	Yes / target
423	No / reference	Yes / target	No / reference	Yes / target
424	No / reference	Yes / target	No / reference	Yes / target
425	No / reference	No / reference	No / reference	Yes / target
426	No / reference	No / reference	No / reference	Yes / target
427	No / reference	No / reference	No / reference	Yes / target
428	No / reference	No / reference	No / reference	Yes / target
429	No / reference	No / reference	Yes / target	Yes / target
430	Yes / target	No / reference	Yes / target	No / reference
431	Yes / target	Yes / target	No / reference	No / reference
432	No / reference	No / reference	No / reference	Yes / target
433	No / reference	No / reference	No / reference	Yes / target
434	No / reference	No / reference	No / reference	Yes / target
435	No / reference	Yes / target	Yes / target	No / reference
436	No / reference	No / reference	Yes / target	Yes / target
437	No / reference	No / reference	Yes / target	Yes / target
438	No / reference	No / reference	No / reference	Yes / target
439	No / reference	No / reference	No / reference	Yes / target
440	No / reference	No / reference	No / reference	Yes / target
441	Yes / target	Yes / target	No / reference	Yes / target
442	Yes / target	Yes / target	No / reference	Yes / target
443	Yes / target	No / reference	Yes / target	Yes / target
444	Yes / target	No / reference	Yes / target	Yes / target
445	Yes / target	No / reference	No / reference	Yes / target
446	Yes / target	No / reference	No / reference	Yes / target
447	Yes / target	Yes / target	Yes / target	Yes / target
448	Yes / target	No / reference	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	School support dummy: yes	Family support dummy: yes	Paid classes dummy: yes	Activities dummy: yes
421	No / reference	Yes / target	No / reference	No / reference
422	Yes / target	No / reference	No / reference	No / reference
423	No / reference	Yes / target	No / reference	Yes / target
424	No / reference	Yes / target	No / reference	No / reference
425	No / reference	Yes / target	No / reference	Yes / target
426	No / reference	Yes / target	No / reference	No / reference
427	No / reference	Yes / target	No / reference	No / reference
428	No / reference	No / reference	No / reference	No / reference
429	No / reference	No / reference	No / reference	No / reference
430	No / reference	Yes / target	No / reference	No / reference
431	Yes / target	No / reference	No / reference	No / reference
432	No / reference	No / reference	No / reference	No / reference
433	No / reference	Yes / target	No / reference	No / reference
434	No / reference	No / reference	No / reference	No / reference
435	No / reference	No / reference	No / reference	Yes / target
436	No / reference	Yes / target	No / reference	No / reference
437	No / reference	Yes / target	No / reference	No / reference
438	No / reference	Yes / target	No / reference	Yes / target
439	No / reference	Yes / target	No / reference	No / reference
440	No / reference	No / reference	No / reference	No / reference
441	No / reference	Yes / target	No / reference	Yes / target
442	No / reference	No / reference	Yes / target	No / reference
443	No / reference	Yes / target	No / reference	Yes / target
444	No / reference	Yes / target	No / reference	Yes / target
445	No / reference	No / reference	No / reference	No / reference
446	No / reference	Yes / target	No / reference	Yes / target
447	No / reference	Yes / target	No / reference	Yes / target
448	No / reference	No / reference	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Nursery school dummy: yes	Higher education intention dummy: yes	Internet access dummy: yes	Romantic relationship dummy: yes
421	Yes / target	Yes / target	Yes / target	No / reference
422	Yes / target	Yes / target	Yes / target	Yes / target
423	No / reference	Yes / target	Yes / target	Yes / target
424	Yes / target	No / reference	Yes / target	Yes / target
425	Yes / target	Yes / target	Yes / target	No / reference
426	Yes / target	Yes / target	No / reference	Yes / target
427	Yes / target	Yes / target	Yes / target	No / reference
428	Yes / target	Yes / target	No / reference	No / reference
429	Yes / target	No / reference	No / reference	No / reference
430	Yes / target	Yes / target	No / reference	No / reference
431	Yes / target	Yes / target	Yes / target	No / reference
432	Yes / target	Yes / target	No / reference	Yes / target
433	No / reference	No / reference	Yes / target	No / reference
434	Yes / target	Yes / target	Yes / target	Yes / target
435	No / reference	No / reference	No / reference	Yes / target
436	Yes / target	Yes / target	Yes / target	No / reference
437	Yes / target	Yes / target	Yes / target	Yes / target
438	Yes / target	Yes / target	No / reference	No / reference
439	Yes / target	Yes / target	Yes / target	No / reference
440	No / reference	Yes / target	Yes / target	No / reference
441	Yes / target	Yes / target	No / reference	Yes / target
442	No / reference	Yes / target	Yes / target	No / reference
443	Yes / target	Yes / target	Yes / target	No / reference
444	Yes / target	Yes / target	Yes / target	No / reference
445	No / reference	Yes / target	No / reference	No / reference
446	Yes / target	Yes / target	No / reference	Yes / target
447	Yes / target	Yes / target	Yes / target	No / reference
448	Yes / target	No / reference	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Predicted G3 from final hierarchical regression model	Residual from final hierarchical regression model	Standardized residual from final hierarchical regression model	Cook distance from final hierarchical regression model
421	17.72601	-.72601	-.59262	.00054
422	9.97430	.02570	.02122	.00000
423	13.58303	-.58303	-.47506	.00032
424	11.26125	-.26125	-.21441	.00009
425	12.29197	-.29197	-.23573	.00004
426	10.01323	-.01323	-.01083	.00000
427	10.07219	.92781	.75096	.00053
428	16.90858	.09142	.07458	.00001
429	7.82926	1.17074	.97177	.00261
430	11.07263	-.07263	-.05962	.00001
431	10.85459	.14541	.12010	.00003
432	9.54186	.45814	.37296	.00019
433	5.69179	1.30821	1.06978	.00191
434	13.73629	.26371	.22018	.00016
435	9.88065	1.11935	.93547	.00287
436	10.29878	-.29878	-.24195	.00006
437	7.04535	.95465	.77906	.00092
438	11.60876	.39124	.31834	.00013
439	11.15257	.84743	.68654	.00047
440	15.99704	.00296	.00242	.00000
441	.80751	-.80751	-.67632	.00157
442	8.78998	.21002	.17324	.00007
443	12.86239	1.13761	.92937	.00138
444	8.84845	-.84845	-.69711	.00098
445	10.06148	.93852	.77014	.00114
446	9.02234	-.02234	-.01833	.00000
447	11.16191	-.16191	-.13125	.00002
448	9.30831	-.30831	-.25459	.00015

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Outcome variable: final grade	First period grade	Second period grade	Student age	Weekly study time group
449	17	16	16	16	3
450	13	11	13	15	1
451	15	15	15	16	2
452	11	10	11	16	2
453	11	9	10	16	2
454	8	10	8	16	3
455	8	9	8	16	3
456	9	9	10	15	2
457	15	13	14	16	2
458	11	10	11	17	1
459	13	13	10	16	4
460	10	10	9	16	3
461	11	11	10	15	2
462	14	13	12	16	1
463	14	13	14	15	2
464	12	14	11	15	3
465	11	11	11	16	1
466	8	9	8	18	2
467	11	10	9	15	1
468	14	14	13	16	2
469	13	13	12	15	1
470	13	13	12	16	2
471	12	13	12	15	2
472	12	12	11	16	2
473	16	14	14	16	1
474	10	10	8	16	1
475	11	10	11	15	1
476	14	12	13	15	3

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Number of past class failures	School absences	Mother education	Father education
449	0	6	4	4
450	0	3	1	2
451	0	2	2	3
452	0	0	1	2
453	0	4	2	2
454	1	0	1	2
455	1	3	1	2
456	0	0	2	1
457	0	0	1	1
458	0	4	1	2
459	0	0	1	1
460	0	2	1	1
461	0	1	1	1
462	0	0	1	1
463	0	0	1	1
464	0	2	2	2
465	0	6	1	1
466	1	9	1	2
467	0	0	3	1
468	0	1	2	2
469	0	1	2	2
470	0	0	4	4
471	0	4	3	3
472	1	2	2	2
473	0	0	2	2
474	0	4	2	1
475	0	2	1	3
476	0	0	2	2

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Home to school travel time	Family relationship quality	Free time after school	Going out with friends
449	2	4	2	2
450	2	5	1	2
451	3	4	5	4
452	2	4	3	3
453	3	4	4	5
454	1	1	3	2
455	1	1	3	2
456	1	4	4	2
457	1	5	4	3
458	1	5	5	5
459	4	4	3	2
460	4	4	4	3
461	2	4	3	3
462	2	4	2	2
463	3	4	2	1
464	1	4	4	3
465	2	3	4	4
466	1	3	4	4
467	2	3	2	3
468	3	5	3	4
469	3	4	3	3
470	1	4	3	1
471	1	4	5	4
472	2	4	4	4
473	3	4	3	2
474	2	2	4	3
475	3	4	2	4
476	2	5	3	2

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Workday alcohol consumption	Weekend alcohol consumption	Current health status	School dummy: 1 = MS, 0 = GP
449	1	1	4	Yes / target
450	1	1	1	Yes / target
451	1	2	1	Yes / target
452	1	1	5	Yes / target
453	1	1	4	Yes / target
454	1	2	4	Yes / target
455	1	2	4	Yes / target
456	3	3	2	Yes / target
457	2	1	2	Yes / target
458	5	5	3	Yes / target
459	1	1	1	Yes / target
460	1	1	5	Yes / target
461	1	1	2	Yes / target
462	4	3	2	Yes / target
463	1	2	2	Yes / target
464	2	2	5	Yes / target
465	3	4	5	Yes / target
466	2	3	5	Yes / target
467	1	3	4	Yes / target
468	1	1	2	Yes / target
469	1	2	4	Yes / target
470	1	1	3	Yes / target
471	1	1	1	Yes / target
472	2	3	5	Yes / target
473	1	1	4	Yes / target
474	2	3	4	Yes / target
475	3	5	3	Yes / target
476	1	1	4	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Sex dummy: 1 = male, 0 = female	Address dummy: 1 = urban, 0 = rural	Family size dummy: 1 = LE3, 0 = GT3	Parent cohabitation dummy: 1 = together
449	No / reference	No / reference	No / reference	Yes / target
450	No / reference	No / reference	No / reference	Yes / target
451	No / reference	No / reference	No / reference	Yes / target
452	Yes / target	No / reference	No / reference	Yes / target
453	No / reference	No / reference	No / reference	Yes / target
454	No / reference	Yes / target	No / reference	Yes / target
455	No / reference	Yes / target	No / reference	Yes / target
456	No / reference	Yes / target	No / reference	Yes / target
457	No / reference	Yes / target	No / reference	Yes / target
458	Yes / target	No / reference	Yes / target	Yes / target
459	No / reference	No / reference	No / reference	Yes / target
460	No / reference	No / reference	No / reference	Yes / target
461	No / reference	No / reference	No / reference	Yes / target
462	No / reference	No / reference	No / reference	Yes / target
463	No / reference	No / reference	No / reference	Yes / target
464	No / reference	No / reference	Yes / target	Yes / target
465	Yes / target	No / reference	No / reference	Yes / target
466	No / reference	Yes / target	No / reference	Yes / target
467	Yes / target	Yes / target	No / reference	Yes / target
468	No / reference	No / reference	No / reference	Yes / target
469	Yes / target	Yes / target	No / reference	Yes / target
470	Yes / target	Yes / target	No / reference	Yes / target
471	No / reference	No / reference	No / reference	Yes / target
472	No / reference	No / reference	No / reference	Yes / target
473	No / reference	No / reference	Yes / target	Yes / target
474	Yes / target	Yes / target	Yes / target	Yes / target
475	Yes / target	No / reference	Yes / target	Yes / target
476	No / reference	Yes / target	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	School support dummy: yes	Family support dummy: yes	Paid classes dummy: yes	Activities dummy: yes
449	No / reference	No / reference	No / reference	Yes / target
450	No / reference	No / reference	No / reference	No / reference
451	No / reference	Yes / target	No / reference	No / reference
452	No / reference	No / reference	No / reference	No / reference
453	No / reference	Yes / target	No / reference	No / reference
454	No / reference	Yes / target	No / reference	No / reference
455	No / reference	Yes / target	No / reference	No / reference
456	Yes / target	Yes / target	No / reference	No / reference
457	No / reference	Yes / target	No / reference	No / reference
458	No / reference	Yes / target	No / reference	Yes / target
459	No / reference	Yes / target	No / reference	No / reference
460	Yes / target	Yes / target	No / reference	No / reference
461	No / reference	Yes / target	No / reference	Yes / target
462	No / reference	No / reference	No / reference	Yes / target
463	No / reference	Yes / target	No / reference	No / reference
464	Yes / target	Yes / target	No / reference	No / reference
465	No / reference	No / reference	No / reference	Yes / target
466	No / reference	Yes / target	No / reference	Yes / target
467	No / reference	Yes / target	No / reference	No / reference
468	No / reference	Yes / target	No / reference	Yes / target
469	No / reference	No / reference	No / reference	No / reference
470	No / reference	Yes / target	No / reference	Yes / target
471	No / reference	Yes / target	No / reference	No / reference
472	No / reference	Yes / target	No / reference	Yes / target
473	No / reference	Yes / target	No / reference	Yes / target
474	No / reference	Yes / target	No / reference	Yes / target
475	No / reference	Yes / target	No / reference	Yes / target
476	No / reference	Yes / target	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Nursery school dummy: yes	Higher education intention dummy: yes	Internet access dummy: yes	Romantic relationship dummy: yes
449	Yes / target	Yes / target	Yes / target	Yes / target
450	Yes / target	Yes / target	No / reference	No / reference
451	Yes / target	Yes / target	Yes / target	No / reference
452	Yes / target	Yes / target	No / reference	No / reference
453	Yes / target	Yes / target	Yes / target	No / reference
454	Yes / target	Yes / target	No / reference	No / reference
455	Yes / target	Yes / target	No / reference	No / reference
456	No / reference	Yes / target	Yes / target	No / reference
457	No / reference	Yes / target	No / reference	Yes / target
458	Yes / target	Yes / target	Yes / target	No / reference
459	No / reference	Yes / target	Yes / target	No / reference
460	Yes / target	Yes / target	No / reference	No / reference
461	Yes / target	Yes / target	Yes / target	No / reference
462	Yes / target	Yes / target	Yes / target	Yes / target
463	Yes / target	Yes / target	No / reference	No / reference
464	Yes / target	Yes / target	No / reference	No / reference
465	Yes / target	Yes / target	No / reference	No / reference
466	Yes / target	Yes / target	Yes / target	Yes / target
467	Yes / target	Yes / target	No / reference	No / reference
468	Yes / target	Yes / target	Yes / target	No / reference
469	Yes / target	Yes / target	No / reference	No / reference
470	Yes / target	Yes / target	No / reference	Yes / target
471	Yes / target	Yes / target	Yes / target	Yes / target
472	No / reference	Yes / target	No / reference	No / reference
473	Yes / target	Yes / target	No / reference	Yes / target
474	Yes / target	Yes / target	Yes / target	No / reference
475	Yes / target	Yes / target	Yes / target	No / reference
476	Yes / target	Yes / target	No / reference	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Predicted G3 from final hierarchical regression model	Residual from final hierarchical regression model	Standardized residual from final hierarchical regression model	Cook distance from final hierarchical regression model
449	16.32659	.67341	.54867	.00042
450	13.04623	-.04623	-.03768	.00000
451	15.57914	-.57914	-.47084	.00028
452	10.86135	.13865	.11236	.00001
453	10.36327	.63673	.51597	.00027
454	8.49407	-.49407	-.40383	.00027
455	8.41491	-.41491	-.33890	.00018
456	9.92213	-.92213	-.75691	.00111
457	14.13577	.86423	.70538	.00076
458	10.68908	.31092	.25550	.00013
459	11.36015	1.63985	1.34984	.00391
460	9.47420	.52580	.43038	.00032
461	10.59205	.40795	.32995	.00010
462	12.18047	1.81953	1.49228	.00419
463	14.39368	-.39368	-.31956	.00012
464	11.17990	.82010	.67333	.00089
465	10.82515	.17485	.14195	.00002
466	8.34690	-.34690	-.28155	.00009
467	9.25801	1.74199	1.41857	.00275
468	13.69653	.30347	.24564	.00006
469	12.30386	.69614	.56504	.00036
470	12.26999	.73001	.59487	.00050
471	12.32046	-.32046	-.26067	.00009
472	11.11332	.88668	.71987	.00060
473	14.41050	1.58950	1.29255	.00211
474	8.61881	1.38119	1.12403	.00167
475	11.19252	-.19252	-.15730	.00004
476	13.30016	.69984	.56739	.00034

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Outcome variable: final grade	First period grade	Second period grade	Student age	Weekly study time group
477	8	10	8	16	1
478	11	12	10	15	1
479	8	7	7	16	2
480	10	9	9	17	1
481	10	9	9	19	1
482	11	9	10	17	1
483	9	9	10	15	1
484	11	9	10	16	2
485	8	7	7	16	1
486	11	11	10	17	2
487	10	9	10	16	1
488	10	7	9	18	3
489	9	7	9	19	3
490	10	8	9	18	1
491	10	9	11	18	1
492	9	7	8	19	2
493	10	8	10	16	2
494	10	9	9	17	1
495	9	8	9	16	2
496	13	14	13	16	1
497	14	14	14	16	1
498	10	10	11	17	4
499	14	14	13	16	2
500	16	17	16	16	1
501	7	6	7	17	1
502	13	14	12	16	1
503	9	10	8	17	4
504	14	14	14	16	4

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Number of past class failures	School absences	Mother education	Father education
477	0	2	2	1
478	0	11	3	3
479	3	0	1	1
480	0	4	2	2
481	1	0	2	3
482	0	2	2	1
483	0	0	1	1
484	0	1	2	2
485	0	6	2	2
486	0	0	2	2
487	1	1	2	2
488	2	6	3	2
489	1	6	1	1
490	1	0	1	1
491	1	4	1	1
492	1	12	1	1
493	0	2	2	2
494	0	5	0	1
495	0	0	1	2
496	0	0	3	3
497	0	2	1	1
498	1	0	3	3
499	0	0	2	1
500	0	0	2	2
501	1	12	1	2
502	0	8	4	3
503	1	2	2	2
504	0	0	1	1

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Home to school travel time	Family relationship quality	Free time after school	Going out with friends
477	1	5	4	3
478	2	4	3	3
479	2	3	4	3
480	1	4	5	3
481	1	4	4	4
482	3	5	5	3
483	2	5	2	1
484	3	3	4	5
485	1	4	3	4
486	2	4	3	5
487	1	4	4	3
488	2	3	3	2
489	1	5	3	1
490	2	4	4	3
491	2	3	2	3
492	2	1	1	4
493	1	3	3	2
494	2	2	4	4
495	1	4	4	5
496	1	4	5	4
497	1	4	4	4
498	2	5	4	5
499	1	5	3	3
500	1	4	2	5
501	1	5	3	5
502	1	4	2	5
503	3	1	3	5
504	1	2	2	1

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Workday alcohol consumption	Weekend alcohol consumption	Current health status	School dummy: 1 = MS, 0 = GP
477	1	1	5	Yes / target
478	2	4	3	Yes / target
479	1	1	1	Yes / target
480	1	1	5	Yes / target
481	1	1	2	Yes / target
482	1	1	3	Yes / target
483	1	3	4	Yes / target
484	1	2	1	Yes / target
485	1	2	1	Yes / target
486	1	2	4	Yes / target
487	1	4	3	Yes / target
488	1	1	2	Yes / target
489	1	1	3	Yes / target
490	3	4	4	Yes / target
491	1	1	2	Yes / target
492	4	1	1	Yes / target
493	1	1	3	Yes / target
494	3	5	5	Yes / target
495	1	3	3	Yes / target
496	1	1	4	Yes / target
497	2	2	4	Yes / target
498	3	4	5	Yes / target
499	1	1	1	Yes / target
500	1	2	5	Yes / target
501	5	5	1	Yes / target
502	1	5	5	Yes / target
503	3	5	3	Yes / target
504	1	1	5	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Sex dummy: 1 = male, 0 = female	Address dummy: 1 = urban, 0 = rural	Family size dummy: 1 = LE3, 0 = GT3	Parent cohabitation dummy: 1 = together
477	No / reference	No / reference	Yes / target	Yes / target
478	Yes / target	Yes / target	No / reference	Yes / target
479	No / reference	No / reference	No / reference	Yes / target
480	No / reference	Yes / target	No / reference	Yes / target
481	No / reference	Yes / target	No / reference	Yes / target
482	No / reference	No / reference	No / reference	Yes / target
483	No / reference	No / reference	Yes / target	Yes / target
484	No / reference	No / reference	No / reference	Yes / target
485	No / reference	Yes / target	Yes / target	No / reference
486	No / reference	No / reference	No / reference	Yes / target
487	No / reference	Yes / target	No / reference	Yes / target
488	No / reference	No / reference	Yes / target	No / reference
489	No / reference	Yes / target	No / reference	Yes / target
490	Yes / target	No / reference	No / reference	Yes / target
491	No / reference	No / reference	No / reference	Yes / target
492	No / reference	Yes / target	No / reference	Yes / target
493	No / reference	No / reference	No / reference	No / reference
494	No / reference	Yes / target	No / reference	Yes / target
495	No / reference	No / reference	Yes / target	Yes / target
496	No / reference	Yes / target	No / reference	Yes / target
497	No / reference	No / reference	Yes / target	Yes / target
498	Yes / target	Yes / target	No / reference	Yes / target
499	No / reference	Yes / target	No / reference	Yes / target
500	No / reference	Yes / target	No / reference	Yes / target
501	Yes / target	Yes / target	No / reference	Yes / target
502	Yes / target	Yes / target	Yes / target	Yes / target
503	Yes / target	No / reference	Yes / target	Yes / target
504	No / reference	Yes / target	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	School support dummy: yes	Family support dummy: yes	Paid classes dummy: yes	Activities dummy: yes
477	No / reference	Yes / target	No / reference	No / reference
478	No / reference	Yes / target	No / reference	Yes / target
479	Yes / target	Yes / target	No / reference	No / reference
480	No / reference	Yes / target	No / reference	Yes / target
481	No / reference	No / reference	No / reference	No / reference
482	No / reference	Yes / target	No / reference	Yes / target
483	No / reference	Yes / target	No / reference	No / reference
484	No / reference	Yes / target	No / reference	No / reference
485	No / reference	Yes / target	No / reference	No / reference
486	No / reference	Yes / target	No / reference	No / reference
487	No / reference	Yes / target	Yes / target	Yes / target
488	No / reference	Yes / target	No / reference	No / reference
489	No / reference	No / reference	No / reference	Yes / target
490	No / reference	No / reference	No / reference	Yes / target
491	No / reference	No / reference	No / reference	No / reference
492	No / reference	Yes / target	No / reference	No / reference
493	No / reference	No / reference	No / reference	No / reference
494	No / reference	No / reference	No / reference	Yes / target
495	No / reference	No / reference	No / reference	Yes / target
496	No / reference	No / reference	No / reference	Yes / target
497	No / reference	Yes / target	No / reference	Yes / target
498	No / reference	Yes / target	Yes / target	Yes / target
499	No / reference	Yes / target	No / reference	Yes / target
500	No / reference	Yes / target	Yes / target	Yes / target
501	No / reference	Yes / target	No / reference	Yes / target
502	No / reference	No / reference	No / reference	Yes / target
503	No / reference	Yes / target	No / reference	No / reference
504	Yes / target	Yes / target	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Nursery school dummy: yes	Higher education intention dummy: yes	Internet access dummy: yes	Romantic relationship dummy: yes
477	Yes / target	Yes / target	Yes / target	Yes / target
478	No / reference	Yes / target	Yes / target	No / reference
479	Yes / target	Yes / target	No / reference	No / reference
480	Yes / target	No / reference	No / reference	No / reference
481	Yes / target	No / reference	Yes / target	Yes / target
482	Yes / target	No / reference	No / reference	Yes / target
483	Yes / target	No / reference	No / reference	Yes / target
484	Yes / target	No / reference	Yes / target	No / reference
485	Yes / target	No / reference	No / reference	No / reference
486	Yes / target	Yes / target	Yes / target	No / reference
487	No / reference	Yes / target	Yes / target	No / reference
488	No / reference	No / reference	No / reference	Yes / target
489	Yes / target	No / reference	No / reference	Yes / target
490	Yes / target	No / reference	Yes / target	No / reference
491	No / reference	No / reference	Yes / target	Yes / target
492	Yes / target	Yes / target	Yes / target	Yes / target
493	No / reference	Yes / target	No / reference	Yes / target
494	No / reference	Yes / target	No / reference	No / reference
495	Yes / target	No / reference	Yes / target	No / reference
496	Yes / target	No / reference	Yes / target	Yes / target
497	Yes / target	Yes / target	Yes / target	Yes / target
498	Yes / target	Yes / target	No / reference	No / reference
499	Yes / target	Yes / target	Yes / target	No / reference
500	Yes / target	Yes / target	No / reference	Yes / target
501	Yes / target	No / reference	Yes / target	Yes / target
502	Yes / target	Yes / target	Yes / target	No / reference
503	Yes / target	Yes / target	No / reference	No / reference
504	Yes / target	Yes / target	Yes / target	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Predicted G3 from final hierarchical regression model	Residual from final hierarchical regression model	Standardized residual from final hierarchical regression model	Cook distance from final hierarchical regression model
477	8.30273	-.30273	-.24644	.00008
478	10.71151	.28849	.23517	.00008
479	6.53032	1.46968	1.22060	.00418
480	9.05898	.94102	.76986	.00101
481	8.89165	1.10835	.90391	.00120
482	10.01774	.98226	.80397	.00112
483	9.88311	-.88311	-.72787	.00119
484	10.27519	.72481	.59261	.00058
485	7.36510	.63490	.52107	.00052
486	10.45754	.54246	.43804	.00015
487	9.89001	.10999	.09079	.00002
488	8.87998	1.12002	.92798	.00226
489	8.76478	.23522	.19310	.00007
490	8.40843	1.59157	1.29494	.00219
491	10.85660	-.85660	-.69917	.00075
492	8.49245	.50755	.42281	.00054
493	9.99363	.00637	.00521	.00000
494	9.29454	.70546	.57805	.00061
495	8.82258	.17742	.14550	.00004
496	12.97849	.02151	.01762	.00000
497	14.10350	-.10350	-.08424	.00001
498	10.54882	-.54882	-.45412	.00052
499	13.56736	.43264	.35071	.00013
500	16.07307	-.07307	-.06072	.00001
501	6.59825	.40175	.33275	.00029
502	12.27937	.72063	.59115	.00066
503	8.40131	.59869	.49482	.00060
504	14.36983	-.36983	-.30482	.00021

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Outcome variable: final grade	First period grade	Second period grade	Student age	Weekly study time group
505	13	12	13	19	3
506	11	11	11	17	1
507	10	11	9	20	2
508	10	11	11	17	3
509	9	10	9	17	1
510	18	16	17	16	2
511	17	15	17	17	2
512	10	11	9	17	2
513	7	7	7	18	2
514	8	8	6	16	1
515	7	7	6	16	1
516	10	9	8	18	2
517	16	14	16	16	2
518	15	14	14	16	1
519	8	8	5	18	2
520	0	8	7	16	2
521	8	6	8	16	2
522	10	8	10	16	2
523	8	8	8	16	2
524	6	5	6	18	4
525	8	7	9	16	2
526	16	15	14	17	3
527	14	13	14	17	1
528	10	10	9	16	3
529	9	9	9	17	1
530	11	11	11	16	1
531	9	7	10	17	1
532	10	10	10	17	2

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Number of past class failures	School absences	Mother education	Father education
505	0	0	2	2
506	0	0	1	1
507	1	8	3	3
508	0	0	1	1
509	1	0	2	2
510	0	0	1	1
511	0	0	2	2
512	0	1	1	0
513	1	9	1	1
514	0	0	3	1
515	0	2	3	2
516	0	8	1	1
517	0	0	4	4
518	0	0	1	2
519	1	8	2	4
520	0	0	2	1
521	0	6	1	1
522	0	0	2	3
523	0	4	4	4
524	0	2	4	4
525	0	2	3	4
526	0	0	4	4
527	0	1	4	1
528	0	0	2	2
529	0	5	2	2
530	0	1	4	4
531	0	8	3	3
532	0	0	1	1

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Home to school travel time	Family relationship quality	Free time after school	Going out with friends
505	1	5	4	5
506	2	4	4	5
507	2	3	3	4
508	1	4	3	3
509	3	4	4	5
510	3	5	3	2
511	2	5	3	2
512	2	4	4	5
513	1	4	3	2
514	1	3	1	3
515	1	3	1	3
516	2	2	3	5
517	1	4	3	3
518	2	5	4	5
519	1	2	3	2
520	2	5	2	1
521	3	4	3	2
522	2	3	3	3
523	1	4	3	4
524	1	5	5	5
525	3	4	2	1
526	1	4	4	3
527	1	4	2	3
528	4	5	1	3
529	1	5	1	3
530	2	5	1	3
531	1	4	1	4
532	3	5	1	3

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Workday alcohol consumption	Weekend alcohol consumption	Current health status	School dummy: 1 = MS, 0 = GP
505	1	1	1	Yes / target
506	1	2	5	Yes / target
507	2	4	3	Yes / target
508	1	1	3	Yes / target
509	1	2	5	Yes / target
510	1	1	1	Yes / target
511	1	1	1	Yes / target
512	1	1	4	Yes / target
513	1	1	5	Yes / target
514	1	3	1	Yes / target
515	1	4	3	Yes / target
516	1	4	3	Yes / target
517	2	3	2	Yes / target
518	1	4	2	Yes / target
519	1	3	1	Yes / target
520	1	1	2	Yes / target
521	1	3	5	Yes / target
522	1	1	2	Yes / target
523	1	2	3	Yes / target
524	5	5	5	Yes / target
525	1	1	2	Yes / target
526	1	2	5	Yes / target
527	1	2	5	Yes / target
528	2	2	3	Yes / target
529	1	2	5	Yes / target
530	1	2	5	Yes / target
531	5	5	3	Yes / target
532	3	3	1	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Sex dummy: 1 = male, 0 = female	Address dummy: 1 = urban, 0 = rural	Family size dummy: 1 = LE3, 0 = GT3	Parent cohabitation dummy: 1 = together
505	No / reference	Yes / target	Yes / target	Yes / target
506	No / reference	No / reference	No / reference	Yes / target
507	No / reference	Yes / target	No / reference	Yes / target
508	No / reference	Yes / target	Yes / target	Yes / target
509	Yes / target	No / reference	No / reference	Yes / target
510	No / reference	No / reference	Yes / target	Yes / target
511	No / reference	No / reference	No / reference	Yes / target
512	No / reference	Yes / target	No / reference	No / reference
513	No / reference	No / reference	No / reference	Yes / target
514	No / reference	Yes / target	No / reference	Yes / target
515	No / reference	Yes / target	No / reference	Yes / target
516	No / reference	Yes / target	Yes / target	Yes / target
517	No / reference	No / reference	No / reference	Yes / target
518	No / reference	No / reference	Yes / target	Yes / target
519	No / reference	Yes / target	No / reference	No / reference
520	Yes / target	No / reference	No / reference	Yes / target
521	No / reference	Yes / target	Yes / target	Yes / target
522	No / reference	No / reference	No / reference	Yes / target
523	No / reference	Yes / target	No / reference	Yes / target
524	Yes / target	Yes / target	Yes / target	Yes / target
525	No / reference	No / reference	Yes / target	Yes / target
526	Yes / target	Yes / target	Yes / target	Yes / target
527	No / reference	No / reference	No / reference	Yes / target
528	Yes / target	Yes / target	Yes / target	Yes / target
529	No / reference	No / reference	No / reference	Yes / target
530	No / reference	Yes / target	Yes / target	Yes / target
531	Yes / target	Yes / target	No / reference	Yes / target
532	Yes / target	Yes / target	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	School support dummy: yes	Family support dummy: yes	Paid classes dummy: yes	Activities dummy: yes
505	No / reference	No / reference	No / reference	No / reference
506	No / reference	Yes / target	No / reference	Yes / target
507	No / reference	No / reference	No / reference	Yes / target
508	No / reference	Yes / target	No / reference	No / reference
509	No / reference	Yes / target	No / reference	No / reference
510	No / reference	Yes / target	No / reference	No / reference
511	No / reference	Yes / target	No / reference	Yes / target
512	No / reference	No / reference	No / reference	No / reference
513	No / reference	Yes / target	No / reference	No / reference
514	No / reference	No / reference	No / reference	Yes / target
515	No / reference	No / reference	No / reference	No / reference
516	Yes / target	No / reference	No / reference	No / reference
517	No / reference	No / reference	No / reference	Yes / target
518	No / reference	No / reference	No / reference	Yes / target
519	No / reference	Yes / target	No / reference	No / reference
520	No / reference	No / reference	No / reference	Yes / target
521	No / reference	Yes / target	No / reference	No / reference
522	No / reference	Yes / target	No / reference	Yes / target
523	No / reference	Yes / target	No / reference	No / reference
524	No / reference	Yes / target	No / reference	Yes / target
525	No / reference	Yes / target	No / reference	No / reference
526	No / reference	Yes / target	No / reference	No / reference
527	No / reference	No / reference	No / reference	No / reference
528	No / reference	No / reference	No / reference	No / reference
529	No / reference	Yes / target	Yes / target	No / reference
530	No / reference	Yes / target	No / reference	No / reference
531	No / reference	Yes / target	No / reference	Yes / target
532	No / reference	No / reference	No / reference	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Nursery school dummy: yes	Higher education intention dummy: yes	Internet access dummy: yes	Romantic relationship dummy: yes
505	Yes / target	Yes / target	Yes / target	Yes / target
506	No / reference	Yes / target	Yes / target	Yes / target
507	Yes / target	Yes / target	Yes / target	Yes / target
508	Yes / target	Yes / target	No / reference	Yes / target
509	No / reference	Yes / target	Yes / target	No / reference
510	Yes / target	Yes / target	No / reference	No / reference
511	Yes / target	Yes / target	No / reference	No / reference
512	Yes / target	Yes / target	Yes / target	Yes / target
513	Yes / target	Yes / target	Yes / target	Yes / target
514	Yes / target	Yes / target	Yes / target	No / reference
515	Yes / target	Yes / target	Yes / target	No / reference
516	Yes / target	Yes / target	No / reference	No / reference
517	No / reference	Yes / target	Yes / target	Yes / target
518	Yes / target	Yes / target	Yes / target	No / reference
519	Yes / target	Yes / target	Yes / target	No / reference
520	Yes / target	Yes / target	Yes / target	No / reference
521	Yes / target	Yes / target	Yes / target	No / reference
522	Yes / target	Yes / target	Yes / target	No / reference
523	Yes / target	Yes / target	Yes / target	Yes / target
524	Yes / target	No / reference	Yes / target	Yes / target
525	No / reference	Yes / target	No / reference	No / reference
526	Yes / target	Yes / target	Yes / target	No / reference
527	Yes / target	Yes / target	Yes / target	Yes / target
528	Yes / target	Yes / target	No / reference	No / reference
529	Yes / target	Yes / target	Yes / target	No / reference
530	Yes / target	Yes / target	No / reference	No / reference
531	Yes / target	Yes / target	Yes / target	No / reference
532	Yes / target	Yes / target	Yes / target	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Predicted G3 from final hierarchical regression model	Residual from final hierarchical regression model	Standardized residual from final hierarchical regression model	Cook distance from final hierarchical regression model
505	13.26232	-.26232	-.21396	.00007
506	11.31099	-.31099	-.25289	.00008
507	9.55954	.44046	.35915	.00019
508	11.40341	-1.40341	-1.13834	.00141
509	9.22073	-.22073	-.17987	.00005
510	17.45168	.54832	.44679	.00028
511	17.18646	-.18646	-.15146	.00003
512	9.63416	.36584	.29942	.00015
513	7.15324	-.15324	-.12450	.00002
514	6.55817	1.44183	1.18209	.00259
515	6.35757	.64243	.52435	.00042
516	8.45163	1.54837	1.27733	.00376
517	15.81576	.18424	.15032	.00003
518	14.21788	.78212	.63734	.00057
519	6.06228	1.93772	1.60496	.00671
520	7.32418	-7.32418	-5.96629	.04948
521	8.50378	-.50378	-.41181	.00028
522	10.29246	-.29246	-.23701	.00006
523	8.32786	-.32786	-.26550	.00007
524	5.56865	.43135	.36097	.00044
525	9.49231	-1.49231	-1.22657	.00307
526	14.33560	1.66440	1.35318	.00229
527	13.72889	.27111	.22138	.00008
528	9.61415	.38585	.31736	.00021
529	9.07206	-.07206	-.05918	.00001
530	11.34752	-.34752	-.28391	.00013
531	9.70644	-.70644	-.58246	.00077
532	10.35185	-.35185	-.28833	.00015

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Outcome variable: final grade	First period grade	Second period grade	Student age	Weekly study time group
533	8	9	7	16	2
534	16	14	15	16	2
535	12	11	12	16	1
536	10	9	11	15	2
537	14	13	14	15	4
538	12	12	13	15	1
539	11	11	11	16	3
540	10	9	10	16	2
541	11	9	11	17	1
542	11	11	9	17	2
543	12	10	11	16	3
544	8	9	9	17	1
545	12	12	11	17	1
546	8	8	9	17	2
547	16	13	15	17	2
548	11	10	11	16	1
549	11	11	10	17	2
550	18	17	18	17	2
551	13	12	13	16	2
552	13	13	14	17	2
553	10	9	9	19	2
554	12	11	11	17	1
555	10	10	11	17	1
556	13	13	14	16	3
557	11	9	10	16	1
558	10	7	9	17	2
559	10	8	13	17	1
560	13	12	12	18	1

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Number of past class failures	School absences	Mother education	Father education
533	0	2	2	1
534	0	0	2	1
535	0	0	4	4
536	0	11	1	2
537	0	8	2	2
538	0	11	2	1
539	0	2	2	2
540	0	8	4	1
541	0	5	3	2
542	0	0	2	2
543	0	1	4	4
544	3	2	4	4
545	0	2	1	3
546	1	8	3	4
547	0	0	4	4
548	0	0	4	1
549	0	2	1	1
550	0	0	4	2
551	0	0	2	2
552	0	0	3	2
553	2	2	1	1
554	0	4	1	0
555	0	3	1	1
556	0	5	1	2
557	0	4	1	2
558	3	2	3	1
559	0	0	2	2
560	1	0	1	0

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Home to school travel time	Family relationship quality	Free time after school	Going out with friends
533	2	4	2	2
534	1	3	2	2
535	1	4	1	2
536	3	5	5	5
537	3	5	4	5
538	1	4	3	3
539	1	4	3	3
540	2	1	2	4
541	2	4	3	3
542	2	5	1	3
543	2	5	3	5
544	3	3	3	3
545	2	5	1	2
546	1	5	4	4
547	1	5	2	5
548	1	4	1	2
549	1	4	5	5
550	2	4	3	3
551	2	4	1	2
552	2	4	1	2
553	1	4	4	3
554	1	4	1	2
555	2	3	5	5
556	1	4	3	4
557	1	4	4	4
558	2	5	4	4
559	2	5	5	5
560	3	4	3	2

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Workday alcohol consumption	Weekend alcohol consumption	Current health status	School dummy: 1 = MS, 0 = GP
533	1	4	5	Yes / target
534	1	1	3	Yes / target
535	2	5	5	Yes / target
536	1	3	5	Yes / target
537	2	3	5	Yes / target
538	1	2	5	Yes / target
539	2	2	5	Yes / target
540	2	2	1	Yes / target
541	2	2	1	Yes / target
542	1	1	5	Yes / target
543	1	4	5	Yes / target
544	1	3	5	Yes / target
545	3	3	5	Yes / target
546	3	4	5	Yes / target
547	1	1	5	Yes / target
548	2	1	2	Yes / target
549	1	2	3	Yes / target
550	2	3	5	Yes / target
551	2	2	5	Yes / target
552	2	2	1	Yes / target
553	3	4	4	Yes / target
554	1	1	5	Yes / target
555	2	2	4	Yes / target
556	1	1	3	Yes / target
557	2	4	5	Yes / target
558	1	1	5	Yes / target
559	3	5	5	Yes / target
560	1	1	4	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Sex dummy: 1 = male, 0 = female	Address dummy: 1 = urban, 0 = rural	Family size dummy: 1 = LE3, 0 = GT3	Parent cohabitation dummy: 1 = together
533	Yes / target	Yes / target	No / reference	Yes / target
534	No / reference	Yes / target	Yes / target	Yes / target
535	Yes / target	Yes / target	Yes / target	Yes / target
536	Yes / target	No / reference	No / reference	Yes / target
537	Yes / target	Yes / target	Yes / target	No / reference
538	Yes / target	Yes / target	Yes / target	No / reference
539	No / reference	No / reference	Yes / target	Yes / target
540	No / reference	Yes / target	Yes / target	Yes / target
541	No / reference	Yes / target	No / reference	Yes / target
542	No / reference	No / reference	No / reference	Yes / target
543	No / reference	Yes / target	No / reference	Yes / target
544	Yes / target	No / reference	No / reference	Yes / target
545	Yes / target	No / reference	Yes / target	Yes / target
546	Yes / target	Yes / target	No / reference	Yes / target
547	No / reference	Yes / target	No / reference	Yes / target
548	Yes / target	No / reference	Yes / target	Yes / target
549	No / reference	Yes / target	No / reference	No / reference
550	No / reference	No / reference	No / reference	Yes / target
551	Yes / target	Yes / target	Yes / target	No / reference
552	Yes / target	Yes / target	No / reference	Yes / target
553	Yes / target	Yes / target	No / reference	Yes / target
554	Yes / target	Yes / target	Yes / target	No / reference
555	No / reference	No / reference	No / reference	Yes / target
556	No / reference	No / reference	No / reference	Yes / target
557	Yes / target	No / reference	Yes / target	Yes / target
558	No / reference	No / reference	No / reference	Yes / target
559	Yes / target	No / reference	No / reference	Yes / target
560	Yes / target	No / reference	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	School support dummy: yes	Family support dummy: yes	Paid classes dummy: yes	Activities dummy: yes
533	No / reference	No / reference	No / reference	No / reference
534	No / reference	No / reference	No / reference	No / reference
535	No / reference	Yes / target	No / reference	No / reference
536	No / reference	Yes / target	No / reference	Yes / target
537	No / reference	Yes / target	No / reference	Yes / target
538	No / reference	No / reference	No / reference	Yes / target
539	No / reference	Yes / target	No / reference	No / reference
540	No / reference	Yes / target	No / reference	Yes / target
541	No / reference	No / reference	No / reference	No / reference
542	Yes / target	No / reference	Yes / target	No / reference
543	No / reference	Yes / target	No / reference	No / reference
544	No / reference	No / reference	No / reference	Yes / target
545	No / reference	No / reference	No / reference	Yes / target
546	No / reference	Yes / target	No / reference	Yes / target
547	No / reference	Yes / target	No / reference	No / reference
548	No / reference	No / reference	No / reference	No / reference
549	No / reference	No / reference	No / reference	Yes / target
550	Yes / target	Yes / target	No / reference	No / reference
551	No / reference	Yes / target	No / reference	No / reference
552	No / reference	Yes / target	Yes / target	No / reference
553	No / reference	Yes / target	No / reference	Yes / target
554	No / reference	No / reference	No / reference	No / reference
555	No / reference	Yes / target	No / reference	Yes / target
556	Yes / target	Yes / target	No / reference	No / reference
557	No / reference	No / reference	No / reference	No / reference
558	No / reference	Yes / target	No / reference	Yes / target
559	No / reference	No / reference	No / reference	Yes / target
560	Yes / target	Yes / target	No / reference	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Nursery school dummy: yes	Higher education intention dummy: yes	Internet access dummy: yes	Romantic relationship dummy: yes
533	No / reference	Yes / target	Yes / target	Yes / target
534	Yes / target	Yes / target	Yes / target	Yes / target
535	Yes / target	Yes / target	Yes / target	No / reference
536	Yes / target	Yes / target	No / reference	No / reference
537	Yes / target	Yes / target	No / reference	No / reference
538	Yes / target	Yes / target	Yes / target	No / reference
539	No / reference	Yes / target	No / reference	Yes / target
540	Yes / target	Yes / target	Yes / target	No / reference
541	Yes / target	Yes / target	No / reference	Yes / target
542	Yes / target	Yes / target	No / reference	No / reference
543	Yes / target	Yes / target	Yes / target	Yes / target
544	Yes / target	Yes / target	Yes / target	Yes / target
545	Yes / target	Yes / target	No / reference	Yes / target
546	No / reference	Yes / target	Yes / target	Yes / target
547	Yes / target	Yes / target	Yes / target	No / reference
548	Yes / target	Yes / target	Yes / target	No / reference
549	Yes / target	Yes / target	Yes / target	Yes / target
550	No / reference	Yes / target	Yes / target	No / reference
551	No / reference	Yes / target	Yes / target	Yes / target
552	Yes / target	Yes / target	Yes / target	No / reference
553	Yes / target	No / reference	Yes / target	No / reference
554	Yes / target	Yes / target	No / reference	Yes / target
555	Yes / target	No / reference	Yes / target	Yes / target
556	No / reference	Yes / target	Yes / target	Yes / target
557	Yes / target	Yes / target	No / reference	No / reference
558	No / reference	Yes / target	Yes / target	Yes / target
559	Yes / target	No / reference	No / reference	Yes / target
560	Yes / target	Yes / target	No / reference	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Predicted G3 from final hierarchical regression model	Residual from final hierarchical regression model	Standardized residual from final hierarchical regression model	Cook distance from final hierarchical regression model
533	7.46286	.53714	.43952	.00033
534	15.17551	.82449	.66899	.00050
535	11.95273	.04727	.03861	.00000
536	11.01341	-1.01341	-.82941	.00119
537	14.38803	-.38803	-.32096	.00026
538	13.12506	-1.12506	-.92169	.00153
539	11.14129	-.14129	-.11522	.00002
540	10.60141	-.60141	-.49517	.00053
541	11.01789	-.01789	-.01454	.00000
542	8.99011	2.00989	1.66647	.00745
543	11.16861	.83139	.67907	.00073
544	8.48567	-.48567	-.40460	.00050
545	11.07063	.92937	.76297	.00114
546	8.79383	-.79383	-.64719	.00061
547	15.00844	.99156	.80683	.00085
548	10.76734	.23266	.19093	.00007
549	10.43739	.56261	.45959	.00034
550	17.87078	.12922	.10678	.00003
551	13.38335	-.38335	-.31455	.00019
552	14.17080	-1.17080	-.96267	.00191
553	8.57031	1.42969	1.17239	.00257
554	11.16844	.83156	.68241	.00090
555	10.93252	-.93252	-.76160	.00091
556	14.08433	-1.08433	-.88981	.00152
557	9.60641	1.39359	1.13270	.00158
558	8.37669	1.62331	1.35178	.00549
559	11.75513	-1.75513	-1.45024	.00510
560	11.86844	1.13156	.93124	.00185

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Outcome variable: final grade	First period grade	Second period grade	Student age	Weekly study time group
561	10	10	9	17	1
562	10	10	9	18	2
563	12	11	13	16	2
564	0	7	0	17	1
565	10	11	9	16	1
566	9	10	10	16	1
567	9	9	7	18	1
568	0	4	0	18	1
569	9	6	11	19	1
570	8	4	8	18	2
571	8	7	8	16	1
572	9	8	9	19	1
573	7	5	5	16	2
574	10	7	9	17	1
575	10	8	11	20	1
576	10	10	11	18	1
577	11	9	10	18	1
578	11	10	9	19	2
579	10	8	9	17	2
580	9	9	10	18	1
581	10	8	9	19	1
582	8	6	8	18	2
583	7	6	8	19	1
584	0	8	6	18	1
585	11	10	11	17	1
586	8	8	7	17	3
587	0	8	8	17	2
588	8	7	6	18	2

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Number of past class failures	School absences	Mother education	Father education
561	0	0	1	1
562	0	6	1	1
563	0	0	2	2
564	1	0	2	2
565	0	2	3	2
566	0	0	1	1
567	1	2	1	1
568	1	0	3	2
569	3	4	3	2
570	2	9	3	3
571	0	6	2	2
572	3	4	2	1
573	2	8	3	2
574	0	9	1	1
575	1	12	1	1
576	0	8	4	3
577	0	8	3	2
578	1	8	1	1
579	1	4	3	3
580	0	0	1	3
581	1	4	1	1
582	2	2	1	2
583	0	0	1	1
584	1	0	2	2
585	0	0	0	0
586	0	5	3	1
587	0	0	4	2
588	1	3	2	2

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Home to school travel time	Family relationship quality	Free time after school	Going out with friends
561	2	4	5	5
562	2	4	3	3
563	1	5	4	3
564	1	1	2	1
565	2	4	5	5
566	2	4	5	5
567	2	5	3	3
568	1	2	3	1
569	2	3	2	1
570	1	4	4	5
571	2	5	4	3
572	2	4	4	3
573	2	2	5	5
574	1	4	3	2
575	2	4	4	3
576	1	5	4	4
577	2	2	5	5
578	3	5	4	4
579	2	4	5	4
580	1	4	3	3
581	3	4	4	4
582	2	4	3	3
583	1	1	4	4
584	2	5	5	5
585	2	4	4	3
586	2	4	2	3
587	1	5	5	5
588	1	2	3	3

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Workday alcohol consumption	Weekend alcohol consumption	Current health status	School dummy: 1 = MS, 0 = GP
561	1	3	2	Yes / target
562	1	4	5	Yes / target
563	1	1	1	Yes / target
564	2	3	5	Yes / target
565	2	3	5	Yes / target
566	2	4	5	Yes / target
567	2	3	5	Yes / target
568	2	2	5	Yes / target
569	1	1	3	Yes / target
570	1	3	3	Yes / target
571	2	4	4	Yes / target
572	1	3	5	Yes / target
573	1	1	1	Yes / target
574	1	2	5	Yes / target
575	2	4	4	Yes / target
576	3	4	2	Yes / target
577	5	5	5	Yes / target
578	3	3	2	Yes / target
579	2	3	3	Yes / target
580	2	3	3	Yes / target
581	3	3	5	Yes / target
582	1	1	5	Yes / target
583	1	1	5	Yes / target
584	1	1	3	Yes / target
585	1	1	5	Yes / target
586	2	2	3	Yes / target
587	1	3	5	Yes / target
588	1	2	4	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Sex dummy: 1 = male, 0 = female	Address dummy: 1 = urban, 0 = rural	Family size dummy: 1 = LE3, 0 = GT3	Parent cohabitation dummy: 1 = together
561	Yes / target	No / reference	No / reference	Yes / target
562	Yes / target	Yes / target	Yes / target	Yes / target
563	No / reference	No / reference	Yes / target	Yes / target
564	Yes / target	Yes / target	No / reference	Yes / target
565	Yes / target	No / reference	No / reference	Yes / target
566	Yes / target	No / reference	Yes / target	Yes / target
567	Yes / target	No / reference	No / reference	Yes / target
568	Yes / target	No / reference	No / reference	Yes / target
569	Yes / target	Yes / target	No / reference	Yes / target
570	Yes / target	Yes / target	No / reference	Yes / target
571	Yes / target	No / reference	No / reference	Yes / target
572	Yes / target	Yes / target	No / reference	Yes / target
573	No / reference	Yes / target	No / reference	No / reference
574	No / reference	Yes / target	No / reference	Yes / target
575	Yes / target	No / reference	No / reference	Yes / target
576	No / reference	No / reference	No / reference	No / reference
577	Yes / target	No / reference	No / reference	Yes / target
578	Yes / target	No / reference	No / reference	Yes / target
579	Yes / target	Yes / target	No / reference	Yes / target
580	Yes / target	Yes / target	Yes / target	Yes / target
581	Yes / target	No / reference	No / reference	Yes / target
582	No / reference	Yes / target	No / reference	No / reference
583	No / reference	Yes / target	Yes / target	No / reference
584	No / reference	No / reference	No / reference	Yes / target
585	No / reference	No / reference	No / reference	Yes / target
586	No / reference	No / reference	Yes / target	No / reference
587	No / reference	Yes / target	No / reference	Yes / target
588	No / reference	No / reference	Yes / target	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	School support dummy: yes	Family support dummy: yes	Paid classes dummy: yes	Activities dummy: yes
561	No / reference	Yes / target	No / reference	Yes / target
562	No / reference	Yes / target	No / reference	Yes / target
563	No / reference	No / reference	No / reference	Yes / target
564	No / reference	No / reference	No / reference	Yes / target
565	No / reference	No / reference	No / reference	No / reference
566	No / reference	No / reference	No / reference	Yes / target
567	No / reference	Yes / target	No / reference	No / reference
568	No / reference	No / reference	No / reference	No / reference
569	No / reference	No / reference	No / reference	Yes / target
570	No / reference	Yes / target	No / reference	Yes / target
571	No / reference	Yes / target	No / reference	Yes / target
572	No / reference	No / reference	No / reference	Yes / target
573	No / reference	Yes / target	No / reference	Yes / target
574	No / reference	Yes / target	No / reference	Yes / target
575	No / reference	Yes / target	No / reference	No / reference
576	No / reference	Yes / target	No / reference	No / reference
577	No / reference	Yes / target	No / reference	No / reference
578	No / reference	No / reference	No / reference	No / reference
579	No / reference	Yes / target	No / reference	No / reference
580	No / reference	No / reference	No / reference	No / reference
581	No / reference	Yes / target	No / reference	No / reference
582	No / reference	Yes / target	No / reference	No / reference
583	No / reference	Yes / target	No / reference	No / reference
584	No / reference	No / reference	No / reference	No / reference
585	No / reference	Yes / target	No / reference	No / reference
586	No / reference	Yes / target	Yes / target	No / reference
587	Yes / target	Yes / target	No / reference	Yes / target
588	No / reference	Yes / target	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Nursery school dummy: yes	Higher education intention dummy: yes	Internet access dummy: yes	Romantic relationship dummy: yes
561	No / reference	Yes / target	Yes / target	Yes / target
562	Yes / target	Yes / target	No / reference	No / reference
563	Yes / target	Yes / target	No / reference	Yes / target
564	Yes / target	Yes / target	No / reference	Yes / target
565	Yes / target	Yes / target	Yes / target	No / reference
566	Yes / target	Yes / target	Yes / target	No / reference
567	Yes / target	No / reference	Yes / target	Yes / target
568	Yes / target	No / reference	Yes / target	No / reference
569	Yes / target	Yes / target	No / reference	No / reference
570	Yes / target	No / reference	Yes / target	No / reference
571	Yes / target	Yes / target	Yes / target	Yes / target
572	No / reference	No / reference	Yes / target	Yes / target
573	Yes / target	Yes / target	No / reference	Yes / target
574	Yes / target	Yes / target	No / reference	No / reference
575	Yes / target	No / reference	Yes / target	Yes / target
576	Yes / target	Yes / target	Yes / target	No / reference
577	No / reference	Yes / target	Yes / target	No / reference
578	Yes / target	Yes / target	Yes / target	No / reference
579	Yes / target	Yes / target	Yes / target	No / reference
580	Yes / target	No / reference	Yes / target	Yes / target
581	Yes / target	Yes / target	Yes / target	No / reference
582	Yes / target	Yes / target	No / reference	No / reference
583	Yes / target	No / reference	No / reference	No / reference
584	Yes / target	No / reference	Yes / target	Yes / target
585	Yes / target	Yes / target	Yes / target	No / reference
586	Yes / target	No / reference	No / reference	No / reference
587	Yes / target	Yes / target	Yes / target	No / reference
588	Yes / target	Yes / target	Yes / target	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Predicted G3 from final hierarchical regression model	Residual from final hierarchical regression model	Standardized residual from final hierarchical regression model	Cook distance from final hierarchical regression model
561	9.37935	.62065	.50654	.00039
562	9.57250	.42750	.34908	.00019
563	12.80963	-.80963	-.66006	.00063
564	.65025	-.65025	-.54382	.00098
565	9.00379	.99621	.80850	.00073
566	9.86537	-.86537	-.70181	.00053
567	6.91273	2.08727	1.70175	.00420
568	-.00710	.00710	.00589	.00000
569	10.11094	-1.11094	-.93014	.00295
570	7.25883	.74117	.61112	.00085
571	7.93647	.06353	.05153	.00000
572	8.31634	.68366	.56555	.00080
573	5.22687	1.77313	1.47128	.00593
574	9.15890	.84110	.68564	.00068
575	10.54628	-.54628	-.44797	.00038
576	11.07371	-1.07371	-.88145	.00152
577	9.85940	1.14060	.93978	.00196
578	9.20275	1.79725	1.46633	.00323
579	8.95344	1.04656	.84739	.00069
580	9.81575	-.81575	-.66766	.00077
581	8.90728	1.09272	.88901	.00103
582	7.94610	.05390	.04425	.00000
583	8.09481	-1.09481	-.91232	.00254
584	5.94246	-5.94246	-4.85495	.03773
585	11.19304	-.19304	-.15676	.00003
586	7.24263	.75737	.63226	.00128
587	7.88838	-7.88838	-6.47630	.08200
588	6.37892	1.62108	1.32287	.00265

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Outcome variable: final grade	First period grade	Second period grade	Student age	Weekly study time group
589	9	8	10	17	1
590	10	7	10	17	1
591	7	7	8	18	2
592	14	12	13	18	2
593	13	11	12	17	1
594	14	12	13	18	2
595	18	18	18	18	2
596	17	17	17	18	1
597	18	17	18	17	2
598	0	9	0	18	2
599	11	10	11	18	1
600	14	12	13	18	1
601	14	12	13	17	1
602	10	8	8	18	2
603	13	11	12	18	3
604	0	5	0	18	2
605	10	9	10	18	2
606	0	5	0	19	1
607	18	18	18	17	4
608	12	11	11	17	2
609	11	8	10	18	2
610	12	11	11	18	2
611	0	8	0	19	2
612	15	14	14	18	3
613	11	10	11	17	2
614	10	10	10	18	2
615	12	12	12	17	2
616	15	15	14	17	2

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Number of past class failures	School absences	Mother education	Father education
589	0	0	4	1
590	0	0	1	2
591	2	3	1	1
592	0	2	2	2
593	0	0	3	3
594	0	0	1	2
595	0	0	4	4
596	0	3	4	4
597	0	0	4	2
598	1	0	2	2
599	0	8	1	2
600	0	5	4	4
601	0	4	1	1
602	0	4	2	2
603	0	0	2	2
604	0	0	4	2
605	1	2	1	1
606	1	0	1	1
607	0	0	4	2
608	0	5	2	1
609	0	2	1	1
610	0	0	1	2
611	3	0	1	1
612	0	5	2	2
613	1	4	4	3
614	0	0	3	3
615	0	2	4	4
616	0	0	3	2

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Home to school travel time	Family relationship quality	Free time after school	Going out with friends
589	1	3	2	2
590	1	5	5	1
591	3	3	4	4
592	2	4	3	5
593	2	4	4	3
594	2	4	4	3
595	2	4	3	5
596	1	5	4	5
597	2	4	3	3
598	3	4	3	3
599	2	4	1	4
600	3	2	5	5
601	3	4	2	3
602	2	1	3	1
603	2	5	4	5
604	1	5	3	1
605	3	4	4	2
606	2	5	5	5
607	2	4	2	3
608	2	5	3	3
609	1	5	2	3
610	2	4	1	1
611	2	3	5	4
612	2	4	2	1
613	2	4	5	5
614	1	5	3	4
615	2	4	3	3
616	2	1	2	3

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Workday alcohol consumption	Weekend alcohol consumption	Current health status	School dummy: 1 = MS, 0 = GP
589	1	1	5	Yes / target
590	1	1	3	Yes / target
591	2	2	5	Yes / target
592	1	1	1	Yes / target
593	1	1	4	Yes / target
594	1	2	4	Yes / target
595	1	2	1	Yes / target
596	1	1	5	Yes / target
597	1	2	4	Yes / target
598	1	1	4	Yes / target
599	5	5	1	Yes / target
600	1	1	1	Yes / target
601	3	4	4	Yes / target
602	1	1	2	Yes / target
603	1	4	3	Yes / target
604	1	1	5	Yes / target
605	1	2	2	Yes / target
606	2	3	2	Yes / target
607	3	1	5	Yes / target
608	1	2	2	Yes / target
609	1	2	3	Yes / target
610	1	1	4	Yes / target
611	1	4	1	Yes / target
612	1	1	4	Yes / target
613	1	3	2	Yes / target
614	1	1	5	Yes / target
615	1	2	5	Yes / target
616	1	2	5	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Sex dummy: 1 = male, 0 = female	Address dummy: 1 = urban, 0 = rural	Family size dummy: 1 = LE3, 0 = GT3	Parent cohabitation dummy: 1 = together
589	No / reference	Yes / target	No / reference	Yes / target
590	No / reference	Yes / target	Yes / target	Yes / target
591	No / reference	Yes / target	No / reference	Yes / target
592	No / reference	Yes / target	No / reference	Yes / target
593	No / reference	Yes / target	No / reference	Yes / target
594	No / reference	Yes / target	Yes / target	No / reference
595	No / reference	Yes / target	No / reference	Yes / target
596	Yes / target	Yes / target	Yes / target	Yes / target
597	No / reference	Yes / target	No / reference	Yes / target
598	No / reference	No / reference	No / reference	Yes / target
599	Yes / target	Yes / target	Yes / target	Yes / target
600	Yes / target	No / reference	No / reference	Yes / target
601	Yes / target	No / reference	No / reference	Yes / target
602	No / reference	Yes / target	No / reference	Yes / target
603	No / reference	Yes / target	Yes / target	Yes / target
604	No / reference	No / reference	Yes / target	No / reference
605	No / reference	Yes / target	No / reference	Yes / target
606	No / reference	Yes / target	No / reference	Yes / target
607	No / reference	Yes / target	No / reference	Yes / target
608	No / reference	No / reference	Yes / target	No / reference
609	No / reference	Yes / target	Yes / target	No / reference
610	No / reference	Yes / target	No / reference	Yes / target
611	No / reference	No / reference	No / reference	No / reference
612	No / reference	No / reference	No / reference	Yes / target
613	Yes / target	No / reference	No / reference	Yes / target
614	No / reference	Yes / target	No / reference	Yes / target
615	No / reference	No / reference	No / reference	Yes / target
616	No / reference	Yes / target	Yes / target	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	School support dummy: yes	Family support dummy: yes	Paid classes dummy: yes	Activities dummy: yes
589	No / reference	Yes / target	No / reference	No / reference
590	No / reference	No / reference	No / reference	No / reference
591	No / reference	No / reference	No / reference	Yes / target
592	No / reference	No / reference	No / reference	Yes / target
593	No / reference	Yes / target	No / reference	No / reference
594	No / reference	No / reference	No / reference	No / reference
595	No / reference	No / reference	No / reference	Yes / target
596	No / reference	Yes / target	No / reference	Yes / target
597	No / reference	Yes / target	No / reference	No / reference
598	No / reference	No / reference	No / reference	Yes / target
599	No / reference	Yes / target	No / reference	No / reference
600	No / reference	Yes / target	Yes / target	Yes / target
601	No / reference	No / reference	No / reference	No / reference
602	No / reference	Yes / target	No / reference	No / reference
603	No / reference	No / reference	No / reference	No / reference
604	No / reference	No / reference	No / reference	Yes / target
605	No / reference	No / reference	No / reference	No / reference
606	No / reference	No / reference	No / reference	No / reference
607	No / reference	No / reference	No / reference	No / reference
608	No / reference	No / reference	No / reference	Yes / target
609	No / reference	No / reference	No / reference	No / reference
610	No / reference	Yes / target	No / reference	No / reference
611	No / reference	Yes / target	No / reference	Yes / target
612	No / reference	No / reference	No / reference	No / reference
613	No / reference	Yes / target	Yes / target	Yes / target
614	No / reference	Yes / target	No / reference	No / reference
615	No / reference	Yes / target	Yes / target	Yes / target
616	No / reference	No / reference	No / reference	No / reference

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Nursery school dummy: yes	Higher education intention dummy: yes	Internet access dummy: yes	Romantic relationship dummy: yes
589	Yes / target	Yes / target	No / reference	Yes / target
590	Yes / target	Yes / target	Yes / target	No / reference
591	Yes / target	Yes / target	No / reference	Yes / target
592	No / reference	Yes / target	Yes / target	No / reference
593	Yes / target	Yes / target	Yes / target	No / reference
594	Yes / target	Yes / target	Yes / target	No / reference
595	No / reference	Yes / target	Yes / target	No / reference
596	Yes / target	Yes / target	Yes / target	No / reference
597	Yes / target	Yes / target	Yes / target	No / reference
598	Yes / target	Yes / target	No / reference	Yes / target
599	No / reference	Yes / target	No / reference	No / reference
600	Yes / target	Yes / target	Yes / target	Yes / target
601	No / reference	No / reference	No / reference	No / reference
602	No / reference	Yes / target	Yes / target	Yes / target
603	Yes / target	Yes / target	Yes / target	Yes / target
604	Yes / target	Yes / target	Yes / target	Yes / target
605	Yes / target	No / reference	No / reference	No / reference
606	Yes / target	No / reference	No / reference	No / reference
607	Yes / target	Yes / target	Yes / target	Yes / target
608	Yes / target	Yes / target	Yes / target	Yes / target
609	Yes / target	Yes / target	No / reference	Yes / target
610	Yes / target	No / reference	No / reference	No / reference
611	Yes / target	No / reference	No / reference	Yes / target
612	Yes / target	Yes / target	Yes / target	Yes / target
613	No / reference	Yes / target	Yes / target	Yes / target
614	Yes / target	Yes / target	No / reference	Yes / target
615	Yes / target	Yes / target	Yes / target	No / reference
616	Yes / target	Yes / target	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Predicted G3 from final hierarchical regression model	Residual from final hierarchical regression model	Standardized residual from final hierarchical regression model	Cook distance from final hierarchical regression model
589	9.86776	-.86776	-.71105	.00092
590	9.92087	.07913	.06497	.00001
591	7.82955	-.82955	-.67916	.00081
592	13.54541	.45459	.36995	.00018
593	12.31785	.68215	.55116	.00025
594	13.46688	.53312	.43399	.00025
595	18.57219	-.57219	-.46907	.00041
596	17.18106	-.18106	-.14843	.00004
597	18.28234	-.28234	-.22935	.00006
598	1.23149	-1.23149	-1.03279	.00377
599	11.30329	-.30329	-.25120	.00016
600	13.21390	.78610	.65703	.00142
601	12.80825	1.19175	.97630	.00171
602	8.91404	1.08596	.88911	.00139
603	12.23205	.76795	.62583	.00056
604	.77594	-.77594	-.65228	.00158
605	10.06008	-.06008	-.04909	.00000
606	.42052	-.42052	-.34919	.00034
607	18.16458	-.16458	-.13591	.00004
608	11.46253	.53747	.43740	.00025
609	10.12275	.87725	.71588	.00078
610	11.44936	.55064	.45080	.00036
611	.67235	-.67235	-.57679	.00176
612	14.42151	.57849	.46931	.00024
613	10.74598	.25402	.20963	.00010
614	10.16892	-.16892	-.13714	.00002
615	12.18129	-.18129	-.14813	.00004
616	14.55139	.44861	.36802	.00026

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Outcome variable: final grade	First period grade	Second period grade	Student age	Weekly study time group
617	14	14	13	18	1
618	18	19	17	18	3
619	15	16	15	18	2
620	13	13	12	18	2
621	15	15	14	17	2
622	13	13	13	17	2
623	9	8	10	18	2
624	16	15	16	18	3
625	9	8	8	17	1
626	10	10	10	18	1
627	0	7	5	18	2
628	10	9	10	18	1
629	12	10	11	17	3
630	9	7	8	17	1
631	17	15	17	18	3
632	12	10	11	18	3
633	9	7	8	19	2
634	14	13	14	18	2
635	16	16	16	18	2
636	9	8	9	17	2
637	19	17	18	18	2
638	0	7	7	18	1
639	16	14	15	17	2
640	0	5	8	19	1
641	0	7	7	18	1
642	15	14	17	18	3
643	11	6	9	17	2
644	10	7	9	18	1

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Number of past class failures	School absences	Mother education	Father education
617	0	2	1	1
618	0	0	1	1
619	0	0	1	2
620	0	6	3	3
621	0	4	4	4
622	0	0	1	2
623	0	0	1	3
624	0	0	4	4
625	1	0	1	1
626	0	0	2	3
627	0	0	4	4
628	0	3	1	2
629	0	8	2	2
630	0	4	1	2
631	0	0	4	4
632	0	4	1	1
633	1	4	1	1
634	0	1	4	4
635	0	1	3	3
636	0	10	3	1
637	0	4	4	4
638	0	0	2	1
639	0	4	2	3
640	1	0	1	1
641	1	0	4	2
642	0	0	2	2
643	0	0	4	3
644	0	4	4	4

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Home to school travel time	Family relationship quality	Free time after school	Going out with friends
617	2	3	3	2
618	2	5	3	2
619	3	4	3	4
620	2	4	3	2
621	1	2	3	4
622	2	3	2	2
623	2	3	3	4
624	2	4	2	2
625	3	5	2	1
626	2	5	2	3
627	3	3	2	2
628	3	4	3	3
629	1	3	4	3
630	1	3	5	5
631	2	5	4	4
632	4	4	3	2
633	2	4	3	3
634	1	5	4	3
635	1	4	1	3
636	1	4	5	4
637	1	3	2	4
638	2	4	4	3
639	2	4	4	3
640	2	4	3	2
641	2	5	4	3
642	2	5	3	3
643	2	5	5	4
644	3	4	4	3

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Workday alcohol consumption	Weekend alcohol consumption	Current health status	School dummy: 1 = MS, 0 = GP
617	1	2	3	Yes / target
618	1	1	4	Yes / target
619	1	4	5	Yes / target
620	1	3	3	Yes / target
621	1	1	1	Yes / target
622	1	2	3	Yes / target
623	2	4	3	Yes / target
624	2	2	5	Yes / target
625	1	2	1	Yes / target
626	1	2	4	Yes / target
627	4	2	5	Yes / target
628	2	3	3	Yes / target
629	1	1	3	Yes / target
630	1	3	1	Yes / target
631	1	1	1	Yes / target
632	1	2	4	Yes / target
633	1	1	3	Yes / target
634	3	4	2	Yes / target
635	1	2	1	Yes / target
636	2	3	1	Yes / target
637	1	4	2	Yes / target
638	1	3	5	Yes / target
639	1	1	3	Yes / target
640	1	3	5	Yes / target
641	4	3	3	Yes / target
642	1	3	4	Yes / target
643	1	1	1	Yes / target
644	2	2	5	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Sex dummy: 1 = male, 0 = female	Address dummy: 1 = urban, 0 = rural	Family size dummy: 1 = LE3, 0 = GT3	Parent cohabitation dummy: 1 = together
617	Yes / target	Yes / target	Yes / target	Yes / target
618	No / reference	Yes / target	Yes / target	Yes / target
619	No / reference	No / reference	Yes / target	No / reference
620	No / reference	Yes / target	No / reference	Yes / target
621	No / reference	Yes / target	Yes / target	Yes / target
622	No / reference	No / reference	No / reference	Yes / target
623	Yes / target	No / reference	No / reference	Yes / target
624	Yes / target	Yes / target	Yes / target	Yes / target
625	No / reference	No / reference	No / reference	Yes / target
626	No / reference	Yes / target	No / reference	Yes / target
627	No / reference	No / reference	No / reference	Yes / target
628	Yes / target	No / reference	Yes / target	Yes / target
629	No / reference	Yes / target	No / reference	Yes / target
630	No / reference	No / reference	No / reference	Yes / target
631	No / reference	No / reference	Yes / target	Yes / target
632	No / reference	No / reference	No / reference	Yes / target
633	No / reference	No / reference	No / reference	Yes / target
634	No / reference	No / reference	Yes / target	Yes / target
635	No / reference	Yes / target	No / reference	Yes / target
636	No / reference	No / reference	No / reference	Yes / target
637	Yes / target	Yes / target	No / reference	Yes / target
638	Yes / target	No / reference	No / reference	Yes / target
639	Yes / target	Yes / target	No / reference	Yes / target
640	Yes / target	No / reference	No / reference	Yes / target
641	Yes / target	No / reference	No / reference	Yes / target
642	No / reference	No / reference	No / reference	Yes / target
643	No / reference	Yes / target	No / reference	Yes / target
644	No / reference	No / reference	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	School support dummy: yes	Family support dummy: yes	Paid classes dummy: yes	Activities dummy: yes
617	No / reference	No / reference	No / reference	No / reference
618	No / reference	No / reference	No / reference	No / reference
619	No / reference	No / reference	No / reference	No / reference
620	No / reference	Yes / target	No / reference	No / reference
621	No / reference	Yes / target	No / reference	Yes / target
622	No / reference	No / reference	No / reference	No / reference
623	No / reference	Yes / target	Yes / target	No / reference
624	No / reference	No / reference	No / reference	No / reference
625	No / reference	Yes / target	No / reference	No / reference
626	No / reference	Yes / target	No / reference	No / reference
627	No / reference	Yes / target	No / reference	No / reference
628	No / reference	Yes / target	No / reference	Yes / target
629	No / reference	No / reference	No / reference	Yes / target
630	No / reference	No / reference	No / reference	Yes / target
631	No / reference	No / reference	No / reference	No / reference
632	No / reference	No / reference	No / reference	No / reference
633	No / reference	Yes / target	No / reference	No / reference
634	No / reference	No / reference	No / reference	Yes / target
635	No / reference	No / reference	No / reference	No / reference
636	No / reference	Yes / target	No / reference	Yes / target
637	No / reference	No / reference	No / reference	Yes / target
638	No / reference	No / reference	No / reference	Yes / target
639	No / reference	No / reference	No / reference	Yes / target
640	No / reference	No / reference	No / reference	No / reference
641	No / reference	No / reference	Yes / target	No / reference
642	No / reference	No / reference	No / reference	No / reference
643	No / reference	No / reference	No / reference	No / reference
644	No / reference	Yes / target	No / reference	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Nursery school dummy: yes	Higher education intention dummy: yes	Internet access dummy: yes	Romantic relationship dummy: yes
617	No / reference	Yes / target	Yes / target	Yes / target
618	Yes / target	Yes / target	Yes / target	No / reference
619	Yes / target	Yes / target	No / reference	Yes / target
620	Yes / target	Yes / target	Yes / target	Yes / target
621	Yes / target	Yes / target	Yes / target	Yes / target
622	No / reference	Yes / target	No / reference	No / reference
623	Yes / target	Yes / target	No / reference	No / reference
624	Yes / target	Yes / target	Yes / target	Yes / target
625	Yes / target	Yes / target	Yes / target	Yes / target
626	Yes / target	Yes / target	Yes / target	Yes / target
627	No / reference	Yes / target	Yes / target	Yes / target
628	Yes / target	No / reference	Yes / target	Yes / target
629	Yes / target	Yes / target	No / reference	Yes / target
630	Yes / target	Yes / target	Yes / target	No / reference
631	Yes / target	Yes / target	Yes / target	No / reference
632	Yes / target	Yes / target	Yes / target	No / reference
633	Yes / target	Yes / target	Yes / target	Yes / target
634	Yes / target	Yes / target	Yes / target	No / reference
635	Yes / target	Yes / target	Yes / target	Yes / target
636	No / reference	Yes / target	Yes / target	No / reference
637	No / reference	Yes / target	Yes / target	No / reference
638	No / reference	Yes / target	Yes / target	Yes / target
639	Yes / target	Yes / target	Yes / target	No / reference
640	Yes / target	Yes / target	No / reference	No / reference
641	Yes / target	Yes / target	No / reference	No / reference
642	Yes / target	Yes / target	No / reference	No / reference
643	Yes / target	Yes / target	Yes / target	No / reference
644	Yes / target	Yes / target	Yes / target	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

	Predicted G3 from final hierarchical regression model	Residual from final hierarchical regression model	Standardized residual from final hierarchical regression model	Cook distance from final hierarchical regression model
617	13.59371	.40629	.33176	.00017
618	17.77001	.22999	.18836	.00006
619	15.49810	-.49810	-.40959	.00035
620	12.74541	.25459	.20651	.00005
621	14.74189	.25811	.21046	.00006
622	13.39997	-.39997	-.32391	.00010
623	9.79938	-.79938	-.65936	.00100
624	16.08869	-.08869	-.07247	.00001
625	8.39344	.60656	.49559	.00039
626	10.49419	-.49419	-.40076	.00017
627	5.64735	-5.64735	-4.68630	.06024
628	10.15566	-.15566	-.12720	.00003
629	11.22335	.77665	.63094	.00048
630	8.10777	.89223	.72913	.00086
631	17.12067	-.12067	-.09864	.00002
632	11.58168	.41832	.34132	.00018
633	8.20419	.79581	.64432	.00040
634	13.89298	.10702	.08754	.00001
635	16.39346	-.39346	-.31989	.00013
636	9.25173	-.25173	-.20622	.00008
637	18.23463	.76537	.62850	.00078
638	7.04674	-7.04674	-5.74278	.04687
639	15.26471	.73529	.59631	.00038
640	7.42764	-7.42764	-6.06129	.05574
641	6.24999	-6.24999	-5.18823	.07455
642	16.78296	-1.78296	-1.45141	.00283
643	8.96077	2.03923	1.66975	.00491
644	9.13196	.86804	.70846	.00077

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

		Outcome variable: final grade	First period grade	Second period grade	Student age	Weekly study time group
645		10	10	11	19	3
646		16	15	15	18	2
647		9	11	12	18	2
648		10	10	10	17	1
649		11	10	11	18	1
Total	N	649	649	649	649	649
	Mean	11.91	11.40	11.57	16.74	1.93
	Std. Deviation	3.231	2.745	2.914	1.218	.830
	Minimum	0	0	0	15	1
	Maximum	19	19	19	22	4

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

		Number of past class failures	School absences	Mother education	Father education
645		1	4	2	3
646		0	4	3	1
647		0	6	1	1
648		0	6	3	1
649		0	4	3	2
Total	N	649	649	649	649
	Mean	.22	3.66	2.51	2.31
	Std. Deviation	.593	4.641	1.135	1.100
	Minimum	0	0	0	0
	Maximum	3	32	4	4

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

		Home to school travel time	Family relationship quality	Free time after school	Going out with friends
645		1	5	4	2
646		1	4	3	4
647		2	1	1	1
648		2	2	4	5
649		3	4	4	1
Total	N	649	649	649	649
	Mean	1.57	3.93	3.18	3.18
	Std. Deviation	.749	.956	1.051	1.176
	Minimum	1	1	1	1
	Maximum	4	5	5	5

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

		Workday alcohol consumption	Weekend alcohol consumption	Current health status	School dummy: 1 = MS, 0 = GP
645		1	2	5	Yes / target
646		1	1	1	Yes / target
647		1	1	5	Yes / target
648		3	4	2	Yes / target
649		3	4	5	Yes / target
Total	N	649	649	649	649
	Mean	1.50	2.28	3.54	.35
	Std. Deviation	.925	1.284	1.446	.477
	Minimum	1	1	1	No / reference
	Maximum	5	5	5	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

		Sex dummy: 1 = male, 0 = female	Address dummy: 1 = urban, 0 = rural	Family size dummy: 1 = LE3, 0 = GT3	Parent cohabitation dummy: 1 = together
645		No / reference	No / reference	No / reference	Yes / target
646		No / reference	Yes / target	Yes / target	Yes / target
647		No / reference	Yes / target	No / reference	Yes / target
648		Yes / target	Yes / target	Yes / target	Yes / target
649		Yes / target	No / reference	Yes / target	Yes / target
Total	N	649	649	649	649
	Mean	.41	.70	.30	.88
	Std. Deviation	.492	.460	.457	.329
	Minimum	No / reference	No / reference	No / reference	No / reference
	Maximum	Yes / target	Yes / target	Yes / target	Yes / target

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

		School support dummy: yes	Family support dummy: yes	Paid classes dummy: yes	Activities dummy: yes
645		No / reference	No / reference	No / reference	Yes / target
646		No / reference	Yes / target	No / reference	No / reference
647		No / reference	No / reference	No / reference	Yes / target
648		No / reference	No / reference	No / reference	No / reference
649		No / reference	No / reference	No / reference	No / reference
Total	N	649	649	649	649
	Mean	.10	.61	.06	.49
	Std. Deviation	.307	.487	.238	.500
	Minimum	No / reference	No / reference	No / reference	No / reference
	Maximum	Yes / target	Yes / target	Yes / target	Yes / target

Hierarchical Regression Reporting Guide
Block order and interpretation variables

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

		Nursery school dummy: yes	Higher education intention dummy: yes	Internet access dummy: yes	Romantic relationship dummy: yes
645		No / reference	Yes / target	Yes / target	No / reference
646		Yes / target	Yes / target	Yes / target	No / reference
647		Yes / target	Yes / target	No / reference	No / reference
648		No / reference	Yes / target	Yes / target	No / reference
649		No / reference	Yes / target	Yes / target	No / reference
Total	N	649	649	649	649
	Mean	.80	.89	.77	.37
	Std. Deviation	.398	.308	.423	.483
	Minimum	No / reference	No / reference	No / reference	No / reference
	Maximum	Yes / target	Yes / target	Yes / target	Yes / target

Reporting table: hierarchical regression outcome, block predictors, fitted values, and residuals

		Predicted G3 from final hierarchical regression model	Residual from final hierarchical regression model	Standardized residual from final hierarchical regression model	Cook distance from final hierarchical regression model
645		10.98689	-.98689	-.80842	.00117
646		15.55773	.44227	.35962	.00016
647		12.52642	-3.52642	-2.89303	.01591
648		10.24927	-.24927	-.20389	.00007
649		11.04847	-.04847	-.03977	.00000
Total	N	649	649	649	649
	Mean	11.9060092	.0000000	-.0001892	.0018836
	Std. Deviation	2.98950684	1.22474023	1.00415289	.00919924
	Minimum	-.00710	-8.85487	-7.32026	.00000
	Maximum	19.59188	5.69493	4.78345	.13197