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Correlation Matrix

Correlation Matrix
Import dataset from the Correlation Matrix folder

Correlation Matrix: Variable Descriptive Statistics

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>Warning # 2004.  Command name: SUBTITLE  
>The subtitle given exceeds 60 characters in length.  The first 60 characters  
>will be used.
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Correlation Matrix: Variable Descriptive Statistics
Valid N, mean, standard deviation, minimum, and maximum for

Descriptives

[CorrelationMatrixData] D:\DATA ANALYSIS\G Correlation Tests\Correlation Matrix\SPSS_Output\sav\Correlation-Matrix-data.sav

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Student age	649	15	22	16.74	1.218
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
Weekly study time	649	1	4	1.93	.830
Number of past class failures	649	0	3	.22	.593
Family relationship quality	649	1	5	3.93	.956
Free time after school	649	1	5	3.18	1.051
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
School absences	649	0	32	3.66	4.641
First period grade	649	0	19	11.40	2.745
Second period grade	649	0	19	11.57	2.914
Final grade / target outcome	649	0	19	11.91	3.231
Valid N (listwise)	649				

Correlation Matrix: Pearson Correlations

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>Warning # 2004. Command name: SUBTITLE  
>The subtitle given exceeds 60 characters in length. The first 60 characters  
>will be used.
```

Correlation Matrix: Pearson Correlations
Pearson correlation coefficients, two-tailed significance, a

Correlations

Warnings

There is an invalid keyword on the PRINT subcommand. Text
found: FULL

Execution of this command stops.

>Warning # 2003. Command name: TITLE
>The title given exceeds 60 characters in length. The first 60 characters will
be used.

Correlation Matrix: Pearson Correlations with Significance F

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>Warning # 2004. Command name: SUBTITLE  
>The subtitle given exceeds 60 characters in length. The first 60 characters  
>will be used.
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Correlation Matrix: Pearson Correlations with Significance F
 The significance table tests H0: population correlation equa

Correlations

Correlations

		Student age	Mother education	Father education
Student age	Pearson Correlation	1	-.108	-.121
	Sig. (2-tailed)		.006	.002
	N	649	649	649
Mother education	Pearson Correlation	-.108	1	.647
	Sig. (2-tailed)	.006		.000
	N	649	649	649
Father education	Pearson Correlation	-.121	.647	1
	Sig. (2-tailed)	.002	.000	
	N	649	649	649
Home to school travel time	Pearson Correlation	.034	-.265	-.208
	Sig. (2-tailed)	.380	.000	.000
	N	649	649	649
Weekly study time	Pearson Correlation	-.008	.097	.050
	Sig. (2-tailed)	.831	.013	.200
	N	649	649	649
Number of past class failures	Pearson Correlation	.320	-.172	-.166
	Sig. (2-tailed)	.000	.000	.000
	N	649	649	649
Family relationship quality	Pearson Correlation	-.021	.024	.020
	Sig. (2-tailed)	.601	.535	.606
	N	649	649	649
Free time after school	Pearson Correlation	-.005	-.020	.007
	Sig. (2-tailed)	.901	.617	.862
	N	649	649	649
Going out with friends	Pearson Correlation	.113	.010	.028
	Sig. (2-tailed)	.004	.808	.481
	N	649	649	649

Correlation Matrix: Pearson Correlations with Significance F
 The significance table tests H0: population correlation equa

Correlations

		Home to school travel time	Weekly study time	Number of past class failures
Student age	Pearson Correlation	.034	-.008	.320
	Sig. (2-tailed)	.380	.831	.000
	N	649	649	649
Mother education	Pearson Correlation	-.265	.097	-.172
	Sig. (2-tailed)	.000	.013	.000
	N	649	649	649
Father education	Pearson Correlation	-.208	.050	-.166
	Sig. (2-tailed)	.000	.200	.000
	N	649	649	649
Home to school travel time	Pearson Correlation	1	-.063	.098
	Sig. (2-tailed)		.108	.013
	N	649	649	649
Weekly study time	Pearson Correlation	-.063	1	-.147
	Sig. (2-tailed)	.108		.000
	N	649	649	649
Number of past class failures	Pearson Correlation	.098	-.147	1
	Sig. (2-tailed)	.013	.000	
	N	649	649	649
Family relationship quality	Pearson Correlation	-.010	-.004	-.063
	Sig. (2-tailed)	.809	.916	.111
	N	649	649	649
Free time after school	Pearson Correlation	.001	-.069	.109
	Sig. (2-tailed)	.981	.080	.005
	N	649	649	649
Going out with friends	Pearson Correlation	.057	-.075	.045
	Sig. (2-tailed)	.144	.055	.251
	N	649	649	649

Correlation Matrix: Pearson Correlations with Significance F
 The significance table tests H0: population correlation equa

Correlations

		Family relationship quality	Free time after school	Going out with friends
Student age	Pearson Correlation	-.021	-.005	.113
	Sig. (2-tailed)	.601	.901	.004
	N	649	649	649
Mother education	Pearson Correlation	.024	-.020	.010
	Sig. (2-tailed)	.535	.617	.808
	N	649	649	649
Father education	Pearson Correlation	.020	.007	.028
	Sig. (2-tailed)	.606	.862	.481
	N	649	649	649
Home to school travel time	Pearson Correlation	-.010	.001	.057
	Sig. (2-tailed)	.809	.981	.144
	N	649	649	649
Weekly study time	Pearson Correlation	-.004	-.069	-.075
	Sig. (2-tailed)	.916	.080	.055
	N	649	649	649
Number of past class failures	Pearson Correlation	-.063	.109	.045
	Sig. (2-tailed)	.111	.005	.251
	N	649	649	649
Family relationship quality	Pearson Correlation	1	.129	.090
	Sig. (2-tailed)		.001	.022
	N	649	649	649
Free time after school	Pearson Correlation	.129	1	.346
	Sig. (2-tailed)	.001		.000
	N	649	649	649
Going out with friends	Pearson Correlation	.090	.346	1
	Sig. (2-tailed)	.022	.000	
	N	649	649	649

Correlation Matrix: Pearson Correlations with Significance F
 The significance table tests H0: population correlation equa

Correlations

		Workday alcohol consumption	Weekend alcohol consumption	Current health status
Student age	Pearson Correlation	.135	.086	-.009
	Sig. (2-tailed)	.001	.028	.824
	N	649	649	649
Mother education	Pearson Correlation	-.007	-.020	.005
	Sig. (2-tailed)	.858	.615	.907
	N	649	649	649
Father education	Pearson Correlation	.000	.038	.045
	Sig. (2-tailed)	.999	.328	.253
	N	649	649	649
Home to school travel time	Pearson Correlation	.093	.057	-.048
	Sig. (2-tailed)	.018	.147	.220
	N	649	649	649
Weekly study time	Pearson Correlation	-.138	-.215	-.056
	Sig. (2-tailed)	.000	.000	.151
	N	649	649	649
Number of past class failures	Pearson Correlation	.106	.082	.036
	Sig. (2-tailed)	.007	.036	.365
	N	649	649	649
Family relationship quality	Pearson Correlation	-.076	-.094	.110
	Sig. (2-tailed)	.054	.017	.005
	N	649	649	649
Free time after school	Pearson Correlation	.110	.120	.085
	Sig. (2-tailed)	.005	.002	.031
	N	649	649	649
Going out with friends	Pearson Correlation	.245	.389	-.016
	Sig. (2-tailed)	.000	.000	.689
	N	649	649	649

Correlation Matrix: Pearson Correlations with Significance F
 The significance table tests H0: population correlation equa

Correlations

		School absences	First period grade	Second period grade
Student age	Pearson Correlation	.150	-.174	-.107
	Sig. (2-tailed)	.000	.000	.006
	N	649	649	649
Mother education	Pearson Correlation	-.009	.260	.264
	Sig. (2-tailed)	.827	.000	.000
	N	649	649	649
Father education	Pearson Correlation	.030	.218	.225
	Sig. (2-tailed)	.448	.000	.000
	N	649	649	649
Home to school travel time	Pearson Correlation	-.008	-.154	-.154
	Sig. (2-tailed)	.836	.000	.000
	N	649	649	649
Weekly study time	Pearson Correlation	-.118	.261	.240
	Sig. (2-tailed)	.003	.000	.000
	N	649	649	649
Number of past class failures	Pearson Correlation	.123	-.384	-.386
	Sig. (2-tailed)	.002	.000	.000
	N	649	649	649
Family relationship quality	Pearson Correlation	-.090	.049	.090
	Sig. (2-tailed)	.023	.214	.022
	N	649	649	649
Free time after school	Pearson Correlation	-.019	-.094	-.107
	Sig. (2-tailed)	.634	.016	.007
	N	649	649	649
Going out with friends	Pearson Correlation	.085	-.074	-.079
	Sig. (2-tailed)	.030	.059	.043
	N	649	649	649

Correlation Matrix: Pearson Correlations with Significance F
 The significance table tests H0: population correlation equa

Correlations

		Final grade / target outcome
Student age	Pearson Correlation	-.107
	Sig. (2-tailed)	.007
	N	649
Mother education	Pearson Correlation	.240
	Sig. (2-tailed)	.000
	N	649
Father education	Pearson Correlation	.212
	Sig. (2-tailed)	.000
	N	649
Home to school travel time	Pearson Correlation	-.127
	Sig. (2-tailed)	.001
	N	649
Weekly study time	Pearson Correlation	.250
	Sig. (2-tailed)	.000
	N	649
Number of past class failures	Pearson Correlation	-.393
	Sig. (2-tailed)	.000
	N	649
Family relationship quality	Pearson Correlation	.063
	Sig. (2-tailed)	.107
	N	649
Free time after school	Pearson Correlation	-.123
	Sig. (2-tailed)	.002
	N	649
Going out with friends	Pearson Correlation	-.088
	Sig. (2-tailed)	.026
	N	649

Correlation Matrix: Pearson Correlations with Significance F
The significance table tests H0: population correlation equa

Correlations

		Student age	Mother education	Father education
Workday alcohol consumption	Pearson Correlation	.135	-.007	.000
	Sig. (2-tailed)	.001	.858	.999
	N	649	649	649
Weekend alcohol consumption	Pearson Correlation	.086	-.020	.038
	Sig. (2-tailed)	.028	.615	.328
	N	649	649	649
Current health status	Pearson Correlation	-.009	.005	.045
	Sig. (2-tailed)	.824	.907	.253
	N	649	649	649
School absences	Pearson Correlation	.150	-.009	.030
	Sig. (2-tailed)	.000	.827	.448
	N	649	649	649
First period grade	Pearson Correlation	-.174	.260	.218
	Sig. (2-tailed)	.000	.000	.000
	N	649	649	649
Second period grade	Pearson Correlation	-.107	.264	.225
	Sig. (2-tailed)	.006	.000	.000
	N	649	649	649
Final grade / target outcome	Pearson Correlation	-.107	.240	.212
	Sig. (2-tailed)	.007	.000	.000
	N	649	649	649

Correlation Matrix: Pearson Correlations with Significance F
The significance table tests H0: population correlation equa

Correlations

		Home to school travel time	Weekly study time	Number of past class failures
Workday alcohol consumption	Pearson Correlation	.093	-.138	.106
	Sig. (2-tailed)	.018	.000	.007
	N	649	649	649
Weekend alcohol consumption	Pearson Correlation	.057	-.215	.082
	Sig. (2-tailed)	.147	.000	.036
	N	649	649	649
Current health status	Pearson Correlation	-.048	-.056	.036
	Sig. (2-tailed)	.220	.151	.365
	N	649	649	649
School absences	Pearson Correlation	-.008	-.118	.123
	Sig. (2-tailed)	.836	.003	.002
	N	649	649	649
First period grade	Pearson Correlation	-.154	.261	-.384
	Sig. (2-tailed)	.000	.000	.000
	N	649	649	649
Second period grade	Pearson Correlation	-.154	.240	-.386
	Sig. (2-tailed)	.000	.000	.000
	N	649	649	649
Final grade / target outcome	Pearson Correlation	-.127	.250	-.393
	Sig. (2-tailed)	.001	.000	.000
	N	649	649	649

Correlation Matrix: Pearson Correlations with Significance F
The significance table tests H0: population correlation equa

Correlations

		Family relationship quality	Free time after school	Going out with friends
Workday alcohol consumption	Pearson Correlation	-.076	.110	.245
	Sig. (2-tailed)	.054	.005	.000
	N	649	649	649
Weekend alcohol consumption	Pearson Correlation	-.094	.120	.389
	Sig. (2-tailed)	.017	.002	.000
	N	649	649	649
Current health status	Pearson Correlation	.110	.085	-.016
	Sig. (2-tailed)	.005	.031	.689
	N	649	649	649
School absences	Pearson Correlation	-.090	-.019	.085
	Sig. (2-tailed)	.023	.634	.030
	N	649	649	649
First period grade	Pearson Correlation	.049	-.094	-.074
	Sig. (2-tailed)	.214	.016	.059
	N	649	649	649
Second period grade	Pearson Correlation	.090	-.107	-.079
	Sig. (2-tailed)	.022	.007	.043
	N	649	649	649
Final grade / target outcome	Pearson Correlation	.063	-.123	-.088
	Sig. (2-tailed)	.107	.002	.026
	N	649	649	649

Correlation Matrix: Pearson Correlations with Significance F
 The significance table tests H0: population correlation equa

Correlations

		Workday alcohol consumption	Weekend alcohol consumption	Current health status
Workday alcohol consumption	Pearson Correlation	1	.617	.059
	Sig. (2-tailed)		.000	.133
	N	649	649	649
Weekend alcohol consumption	Pearson Correlation	.617	1	.115
	Sig. (2-tailed)	.000		.003
	N	649	649	649
Current health status	Pearson Correlation	.059	.115	1
	Sig. (2-tailed)	.133	.003	
	N	649	649	649
School absences	Pearson Correlation	.173	.156	-.030
	Sig. (2-tailed)	.000	.000	.442
	N	649	649	649
First period grade	Pearson Correlation	-.195	-.156	-.052
	Sig. (2-tailed)	.000	.000	.189
	N	649	649	649
Second period grade	Pearson Correlation	-.189	-.165	-.082
	Sig. (2-tailed)	.000	.000	.036
	N	649	649	649
Final grade / target outcome	Pearson Correlation	-.205	-.177	-.099
	Sig. (2-tailed)	.000	.000	.012
	N	649	649	649

Correlation Matrix: Pearson Correlations with Significance F
 The significance table tests H0: population correlation equa

Correlations

		School absences	First period grade	Second period grade
Workday alcohol consumption	Pearson Correlation	.173	-.195	-.189
	Sig. (2-tailed)	.000	.000	.000
	N	649	649	649
Weekend alcohol consumption	Pearson Correlation	.156	-.156	-.165
	Sig. (2-tailed)	.000	.000	.000
	N	649	649	649
Current health status	Pearson Correlation	-.030	-.052	-.082
	Sig. (2-tailed)	.442	.189	.036
	N	649	649	649
School absences	Pearson Correlation	1	-.147	-.125
	Sig. (2-tailed)		.000	.001
	N	649	649	649
First period grade	Pearson Correlation	-.147	1	.865
	Sig. (2-tailed)	.000		.000
	N	649	649	649
Second period grade	Pearson Correlation	-.125	.865	1
	Sig. (2-tailed)	.001	.000	
	N	649	649	649
Final grade / target outcome	Pearson Correlation	-.091	.826	.919
	Sig. (2-tailed)	.020	.000	.000
	N	649	649	649

Correlation Matrix: Pearson Correlations with Significance F
 The significance table tests H0: population correlation equa

Correlations

		Final grade / target outcome
Workday alcohol consumption	Pearson Correlation	-.205
	Sig. (2-tailed)	.000
	N	649
Weekend alcohol consumption	Pearson Correlation	-.177
	Sig. (2-tailed)	.000
	N	649
Current health status	Pearson Correlation	-.099
	Sig. (2-tailed)	.012
	N	649
School absences	Pearson Correlation	-.091
	Sig. (2-tailed)	.020
	N	649
First period grade	Pearson Correlation	.826
	Sig. (2-tailed)	.000
	N	649
Second period grade	Pearson Correlation	.919
	Sig. (2-tailed)	.000
	N	649
Final grade / target outcome	Pearson Correlation	1
	Sig. (2-tailed)	
	N	649

Correlation Matrix: Spearman Rank Correlations

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>Warning # 2004. Command name: SUBTITLE  
>The subtitle given exceeds 60 characters in length. The first 60 characters  
>will be used.
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Correlation Matrix: Spearman Rank Correlations
Spearman is included as a nonparametric sensitivity check fo

Nonparametric Correlations

Correlations

			Student age	Mother education
Spearman's rho	Student age	Correlation Coefficient	1.000	-.102**
		Sig. (2-tailed)	.	.009
		N	649	649
	Mother education	Correlation Coefficient	-.102**	1.000
		Sig. (2-tailed)	.009	.
		N	649	649
	Father education	Correlation Coefficient	-.110**	.647**
		Sig. (2-tailed)	.005	.000
		N	649	649
	Home to school travel time	Correlation Coefficient	.067	-.263**
		Sig. (2-tailed)	.088	.000
		N	649	649
	Weekly study time	Correlation Coefficient	.017	.098*
		Sig. (2-tailed)	.666	.012
		N	649	649
	Number of past class failures	Correlation Coefficient	.291**	-.208**
		Sig. (2-tailed)	.000	.000
		N	649	649
	Family relationship quality	Correlation Coefficient	-.019	.025
		Sig. (2-tailed)	.622	.524
		N	649	649
	Free time after school	Correlation Coefficient	-.010	-.028
		Sig. (2-tailed)	.802	.478
		N	649	649
	Going out with friends	Correlation Coefficient	.131**	.010
		Sig. (2-tailed)	.001	.795
		N	649	649

Correlation Matrix: Spearman Rank Correlations
 Spearman is included as a nonparametric sensitivity check fo

Correlations

			Father education	Home to school travel time
Spearman's rho	Student age	Correlation Coefficient	-.110**	.067
		Sig. (2-tailed)	.005	.088
		N	649	649
	Mother education	Correlation Coefficient	.647**	-.263**
		Sig. (2-tailed)	.000	.000
		N	649	649
	Father education	Correlation Coefficient	1.000	-.222**
		Sig. (2-tailed)	.	.000
		N	649	649
	Home to school travel time	Correlation Coefficient	-.222**	1.000
		Sig. (2-tailed)	.000	.
		N	649	649
	Weekly study time	Correlation Coefficient	.069	-.089*
		Sig. (2-tailed)	.079	.023
		N	649	649
	Number of past class failures	Correlation Coefficient	-.161**	.124**
		Sig. (2-tailed)	.000	.002
		N	649	649
	Family relationship quality	Correlation Coefficient	.021	-.026
		Sig. (2-tailed)	.588	.514
		N	649	649
	Free time after school	Correlation Coefficient	.000	-.001
		Sig. (2-tailed)	.997	.979
		N	649	649
	Going out with friends	Correlation Coefficient	.029	.041
		Sig. (2-tailed)	.464	.300
		N	649	649

Correlation Matrix: Spearman Rank Correlations
 Spearman is included as a nonparametric sensitivity check fo

Correlations

			Weekly study time	Number of past class failures
Spearman's rho	Student age	Correlation Coefficient	.017	.291**
		Sig. (2-tailed)	.666	.000
		N	649	649
	Mother education	Correlation Coefficient	.098*	-.208**
		Sig. (2-tailed)	.012	.000
		N	649	649
	Father education	Correlation Coefficient	.069	-.161**
		Sig. (2-tailed)	.079	.000
		N	649	649
	Home to school travel time	Correlation Coefficient	-.089*	.124**
		Sig. (2-tailed)	.023	.002
		N	649	649
	Weekly study time	Correlation Coefficient	1.000	-.160**
		Sig. (2-tailed)	.	.000
		N	649	649
	Number of past class failures	Correlation Coefficient	-.160**	1.000
		Sig. (2-tailed)	.000	.
		N	649	649
	Family relationship quality	Correlation Coefficient	.019	-.059
		Sig. (2-tailed)	.622	.135
		N	649	649
	Free time after school	Correlation Coefficient	-.076	.100*
		Sig. (2-tailed)	.051	.010
		N	649	649
Going out with friends	Correlation Coefficient	-.082*	.042	
	Sig. (2-tailed)	.036	.289	
	N	649	649	

Correlation Matrix: Spearman Rank Correlations
 Spearman is included as a nonparametric sensitivity check fo

Correlations

			Family relationship quality	Free time after school
Spearman's rho	Student age	Correlation Coefficient	-.019	-.010
		Sig. (2-tailed)	.622	.802
		N	649	649
	Mother education	Correlation Coefficient	.025	-.028
		Sig. (2-tailed)	.524	.478
		N	649	649
	Father education	Correlation Coefficient	.021	.000
		Sig. (2-tailed)	.588	.997
		N	649	649
	Home to school travel time	Correlation Coefficient	-.026	-.001
		Sig. (2-tailed)	.514	.979
		N	649	649
	Weekly study time	Correlation Coefficient	.019	-.076
		Sig. (2-tailed)	.622	.051
		N	649	649
	Number of past class failures	Correlation Coefficient	-.059	.100*
		Sig. (2-tailed)	.135	.010
		N	649	649
	Family relationship quality	Correlation Coefficient	1.000	.144**
		Sig. (2-tailed)	.	.000
		N	649	649
	Free time after school	Correlation Coefficient	.144**	1.000
		Sig. (2-tailed)	.000	.
		N	649	649
Going out with friends	Correlation Coefficient	.088*	.354**	
	Sig. (2-tailed)	.025	.000	
	N	649	649	

Correlation Matrix: Spearman Rank Correlations
 Spearman is included as a nonparametric sensitivity check fo

Correlations

			Going out with friends	Workday alcohol consumption
Spearman's rho	Student age	Correlation Coefficient	.131**	.081*
		Sig. (2-tailed)	.001	.038
		N	649	649
	Mother education	Correlation Coefficient	.010	.002
		Sig. (2-tailed)	.795	.960
		N	649	649
	Father education	Correlation Coefficient	.029	-.005
		Sig. (2-tailed)	.464	.901
		N	649	649
	Home to school travel time	Correlation Coefficient	.041	.068
		Sig. (2-tailed)	.300	.081
		N	649	649
	Weekly study time	Correlation Coefficient	-.082*	-.171**
		Sig. (2-tailed)	.036	.000
		N	649	649
	Number of past class failures	Correlation Coefficient	.042	.109**
		Sig. (2-tailed)	.289	.005
		N	649	649
	Family relationship quality	Correlation Coefficient	.088*	-.098*
		Sig. (2-tailed)	.025	.013
		N	649	649
	Free time after school	Correlation Coefficient	.354**	.127**
		Sig. (2-tailed)	.000	.001
		N	649	649
Going out with friends	Correlation Coefficient	1.000	.234**	
	Sig. (2-tailed)	.	.000	
	N	649	649	

Correlation Matrix: Spearman Rank Correlations
 Spearman is included as a nonparametric sensitivity check fo

Correlations

			Weekend alcohol consumption	Current health status
Spearman's rho	Student age	Correlation Coefficient	.094*	-.018
		Sig. (2-tailed)	.016	.646
		N	649	649
	Mother education	Correlation Coefficient	-.018	.016
		Sig. (2-tailed)	.643	.682
		N	649	649
	Father education	Correlation Coefficient	.030	.046
		Sig. (2-tailed)	.450	.238
		N	649	649
	Home to school travel time	Correlation Coefficient	.032	-.064
		Sig. (2-tailed)	.423	.104
		N	649	649
	Weekly study time	Correlation Coefficient	-.222**	-.077
		Sig. (2-tailed)	.000	.051
		N	649	649
	Number of past class failures	Correlation Coefficient	.065	.041
		Sig. (2-tailed)	.099	.295
		N	649	649
	Family relationship quality	Correlation Coefficient	-.102**	.093*
		Sig. (2-tailed)	.009	.018
		N	649	649
	Free time after school	Correlation Coefficient	.120**	.095*
		Sig. (2-tailed)	.002	.015
		N	649	649
	Going out with friends	Correlation Coefficient	.372**	-.012
		Sig. (2-tailed)	.000	.758
		N	649	649

Correlation Matrix: Spearman Rank Correlations
 Spearman is included as a nonparametric sensitivity check fo

Correlations

			School absences	First period grade
Spearman's rho	Student age	Correlation Coefficient	.124**	-.167**
		Sig. (2-tailed)	.002	.000
		N	649	649
	Mother education	Correlation Coefficient	-.006	.276**
		Sig. (2-tailed)	.879	.000
		N	649	649
	Father education	Correlation Coefficient	.032	.235**
		Sig. (2-tailed)	.415	.000
		N	649	649
	Home to school travel time	Correlation Coefficient	.023	-.166**
		Sig. (2-tailed)	.560	.000
		N	649	649
	Weekly study time	Correlation Coefficient	-.117**	.271**
		Sig. (2-tailed)	.003	.000
		N	649	649
	Number of past class failures	Correlation Coefficient	.121**	-.432**
		Sig. (2-tailed)	.002	.000
		N	649	649
	Family relationship quality	Correlation Coefficient	-.104**	.026
		Sig. (2-tailed)	.008	.503
		N	649	649
	Free time after school	Correlation Coefficient	-.028	-.105**
		Sig. (2-tailed)	.469	.007
		N	649	649
	Going out with friends	Correlation Coefficient	.104**	-.078*
		Sig. (2-tailed)	.008	.046
		N	649	649

Correlation Matrix: Spearman Rank Correlations
 Spearman is included as a nonparametric sensitivity check fo

Correlations

			Second period grade	Final grade / target outcome
Spearman's rho	Student age	Correlation Coefficient	-.106**	-.066
		Sig. (2-tailed)	.007	.092
		N	649	649
	Mother education	Correlation Coefficient	.286**	.284**
		Sig. (2-tailed)	.000	.000
		N	649	649
	Father education	Correlation Coefficient	.246**	.235**
		Sig. (2-tailed)	.000	.000
		N	649	649
	Home to school travel time	Correlation Coefficient	-.167**	-.147**
		Sig. (2-tailed)	.000	.000
		N	649	649
	Weekly study time	Correlation Coefficient	.259**	.275**
		Sig. (2-tailed)	.000	.000
		N	649	649
	Number of past class failures	Correlation Coefficient	-.436**	-.448**
		Sig. (2-tailed)	.000	.000
		N	649	649
	Family relationship quality	Correlation Coefficient	.059	.048
		Sig. (2-tailed)	.135	.224
		N	649	649
	Free time after school	Correlation Coefficient	-.121**	-.128**
		Sig. (2-tailed)	.002	.001
		N	649	649
	Going out with friends	Correlation Coefficient	-.112**	-.105**
		Sig. (2-tailed)	.004	.007
		N	649	649

Correlation Matrix: Spearman Rank Correlations
 Spearman is included as a nonparametric sensitivity check fo

Correlations

		Student age	Mother education
Workday alcohol consumption	Correlation Coefficient	.081*	.002
	Sig. (2-tailed)	.038	.960
	N	649	649
Weekend alcohol consumption	Correlation Coefficient	.094*	-.018
	Sig. (2-tailed)	.016	.643
	N	649	649
Current health status	Correlation Coefficient	-.018	.016
	Sig. (2-tailed)	.646	.682
	N	649	649
School absences	Correlation Coefficient	.124**	-.006
	Sig. (2-tailed)	.002	.879
	N	649	649
First period grade	Correlation Coefficient	-.167**	.276**
	Sig. (2-tailed)	.000	.000
	N	649	649
Second period grade	Correlation Coefficient	-.106**	.286**
	Sig. (2-tailed)	.007	.000
	N	649	649
Final grade / target outcome	Correlation Coefficient	-.066	.284**
	Sig. (2-tailed)	.092	.000
	N	649	649

Correlation Matrix: Spearman Rank Correlations
 Spearman is included as a nonparametric sensitivity check fo

Correlations

		Father education	Home to school travel time
Workday alcohol consumption	Correlation Coefficient	-.005	.068
	Sig. (2-tailed)	.901	.081
	N	649	649
Weekend alcohol consumption	Correlation Coefficient	.030	.032
	Sig. (2-tailed)	.450	.423
	N	649	649
Current health status	Correlation Coefficient	.046	-.064
	Sig. (2-tailed)	.238	.104
	N	649	649
School absences	Correlation Coefficient	.032	.023
	Sig. (2-tailed)	.415	.560
	N	649	649
First period grade	Correlation Coefficient	.235**	-.166**
	Sig. (2-tailed)	.000	.000
	N	649	649
Second period grade	Correlation Coefficient	.246**	-.167**
	Sig. (2-tailed)	.000	.000
	N	649	649
Final grade / target outcome	Correlation Coefficient	.235**	-.147**
	Sig. (2-tailed)	.000	.000
	N	649	649

Correlation Matrix: Spearman Rank Correlations
 Spearman is included as a nonparametric sensitivity check fo

Correlations

		Weekly study time	Number of past class failures
Workday alcohol consumption	Correlation Coefficient	-.171**	.109**
	Sig. (2-tailed)	.000	.005
	N	649	649
Weekend alcohol consumption	Correlation Coefficient	-.222**	.065
	Sig. (2-tailed)	.000	.099
	N	649	649
Current health status	Correlation Coefficient	-.077	.041
	Sig. (2-tailed)	.051	.295
	N	649	649
School absences	Correlation Coefficient	-.117**	.121**
	Sig. (2-tailed)	.003	.002
	N	649	649
First period grade	Correlation Coefficient	.271**	-.432**
	Sig. (2-tailed)	.000	.000
	N	649	649
Second period grade	Correlation Coefficient	.259**	-.436**
	Sig. (2-tailed)	.000	.000
	N	649	649
Final grade / target outcome	Correlation Coefficient	.275**	-.448**
	Sig. (2-tailed)	.000	.000
	N	649	649

Correlation Matrix: Spearman Rank Correlations
 Spearman is included as a nonparametric sensitivity check fo

Correlations

		Family relationship quality	Free time after school
Workday alcohol consumption	Correlation Coefficient	-.098*	.127**
	Sig. (2-tailed)	.013	.001
	N	649	649
Weekend alcohol consumption	Correlation Coefficient	-.102**	.120**
	Sig. (2-tailed)	.009	.002
	N	649	649
Current health status	Correlation Coefficient	.093*	.095*
	Sig. (2-tailed)	.018	.015
	N	649	649
School absences	Correlation Coefficient	-.104**	-.028
	Sig. (2-tailed)	.008	.469
	N	649	649
First period grade	Correlation Coefficient	.026	-.105**
	Sig. (2-tailed)	.503	.007
	N	649	649
Second period grade	Correlation Coefficient	.059	-.121**
	Sig. (2-tailed)	.135	.002
	N	649	649
Final grade / target outcome	Correlation Coefficient	.048	-.128**
	Sig. (2-tailed)	.224	.001
	N	649	649

Correlation Matrix: Spearman Rank Correlations
 Spearman is included as a nonparametric sensitivity check fo

Correlations

		Going out with friends	Workday alcohol consumption
Workday alcohol consumption	Correlation Coefficient	.234**	1.000
	Sig. (2-tailed)	.000	.
	N	649	649
Weekend alcohol consumption	Correlation Coefficient	.372**	.613**
	Sig. (2-tailed)	.000	.000
	N	649	649
Current health status	Correlation Coefficient	-.012	.085*
	Sig. (2-tailed)	.758	.030
	N	649	649
School absences	Correlation Coefficient	.104**	.104**
	Sig. (2-tailed)	.008	.008
	N	649	649
First period grade	Correlation Coefficient	-.078*	-.198**
	Sig. (2-tailed)	.046	.000
	N	649	649
Second period grade	Correlation Coefficient	-.112**	-.201**
	Sig. (2-tailed)	.004	.000
	N	649	649
Final grade / target outcome	Correlation Coefficient	-.105**	-.208**
	Sig. (2-tailed)	.007	.000
	N	649	649

Correlation Matrix: Spearman Rank Correlations
 Spearman is included as a nonparametric sensitivity check fo

Correlations

		Weekend alcohol consumption	Current health status
Workday alcohol consumption	Correlation Coefficient	.613**	.085*
	Sig. (2-tailed)	.000	.030
	N	649	649
Weekend alcohol consumption	Correlation Coefficient	1.000	.114**
	Sig. (2-tailed)	.	.004
	N	649	649
Current health status	Correlation Coefficient	.114**	1.000
	Sig. (2-tailed)	.004	.
	N	649	649
School absences	Correlation Coefficient	.145**	-.011
	Sig. (2-tailed)	.000	.776
	N	649	649
First period grade	Correlation Coefficient	-.158**	-.063
	Sig. (2-tailed)	.000	.108
	N	649	649
Second period grade	Correlation Coefficient	-.170**	-.099*
	Sig. (2-tailed)	.000	.011
	N	649	649
Final grade / target outcome	Correlation Coefficient	-.171**	-.106**
	Sig. (2-tailed)	.000	.007
	N	649	649

Correlation Matrix: Spearman Rank Correlations
 Spearman is included as a nonparametric sensitivity check fo

Correlations

		School absences	First period grade
Workday alcohol consumption	Correlation Coefficient	.104**	-.198**
	Sig. (2-tailed)	.008	.000
	N	649	649
Weekend alcohol consumption	Correlation Coefficient	.145**	-.158**
	Sig. (2-tailed)	.000	.000
	N	649	649
Current health status	Correlation Coefficient	-.011	-.063
	Sig. (2-tailed)	.776	.108
	N	649	649
School absences	Correlation Coefficient	1.000	-.170**
	Sig. (2-tailed)	.	.000
	N	649	649
First period grade	Correlation Coefficient	-.170**	1.000
	Sig. (2-tailed)	.000	.
	N	649	649
Second period grade	Correlation Coefficient	-.164**	.893**
	Sig. (2-tailed)	.000	.000
	N	649	649
Final grade / target outcome	Correlation Coefficient	-.159**	.883**
	Sig. (2-tailed)	.000	.000
	N	649	649

Correlation Matrix: Spearman Rank Correlations
Spearman is included as a nonparametric sensitivity check fo

Correlations

		Second period grade	Final grade / target outcome
Workday alcohol consumption	Correlation Coefficient	-.201**	-.208**
	Sig. (2-tailed)	.000	.000
	N	649	649
Weekend alcohol consumption	Correlation Coefficient	-.170**	-.171**
	Sig. (2-tailed)	.000	.000
	N	649	649
Current health status	Correlation Coefficient	-.099*	-.106**
	Sig. (2-tailed)	.011	.007
	N	649	649
School absences	Correlation Coefficient	-.164**	-.159**
	Sig. (2-tailed)	.000	.000
	N	649	649
First period grade	Correlation Coefficient	.893**	.883**
	Sig. (2-tailed)	.000	.000
	N	649	649
Second period grade	Correlation Coefficient	1.000	.944**
	Sig. (2-tailed)	.	.000
	N	649	649
Final grade / target outcome	Correlation Coefficient	.944**	1.000
	Sig. (2-tailed)	.000	.
	N	649	649

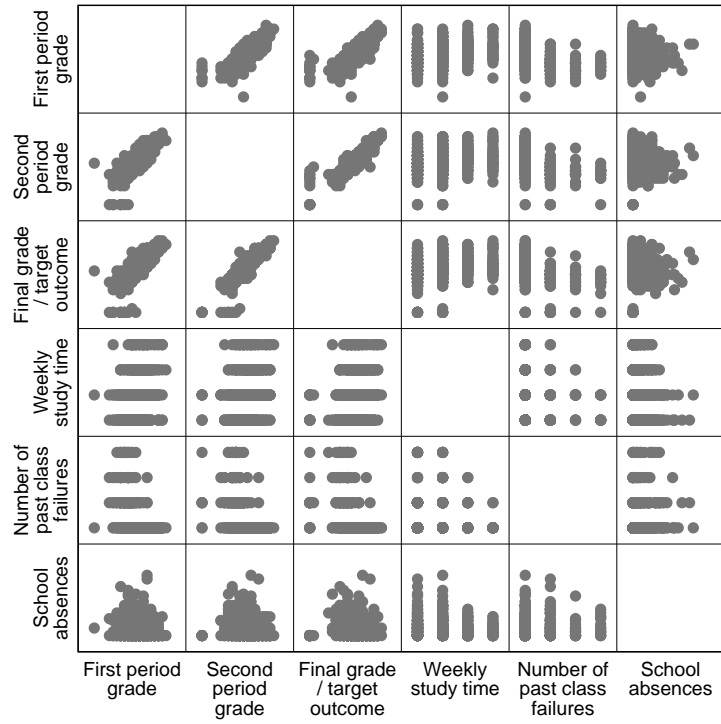
** . Correlation is significant at the 0.01 level (2-tailed).

* . Correlation is significant at the 0.05 level (2-tailed).

Correlation Matrix Visual Check

Correlation Matrix Visual Check
 Scatterplot matrix for grade and study variables

Graph

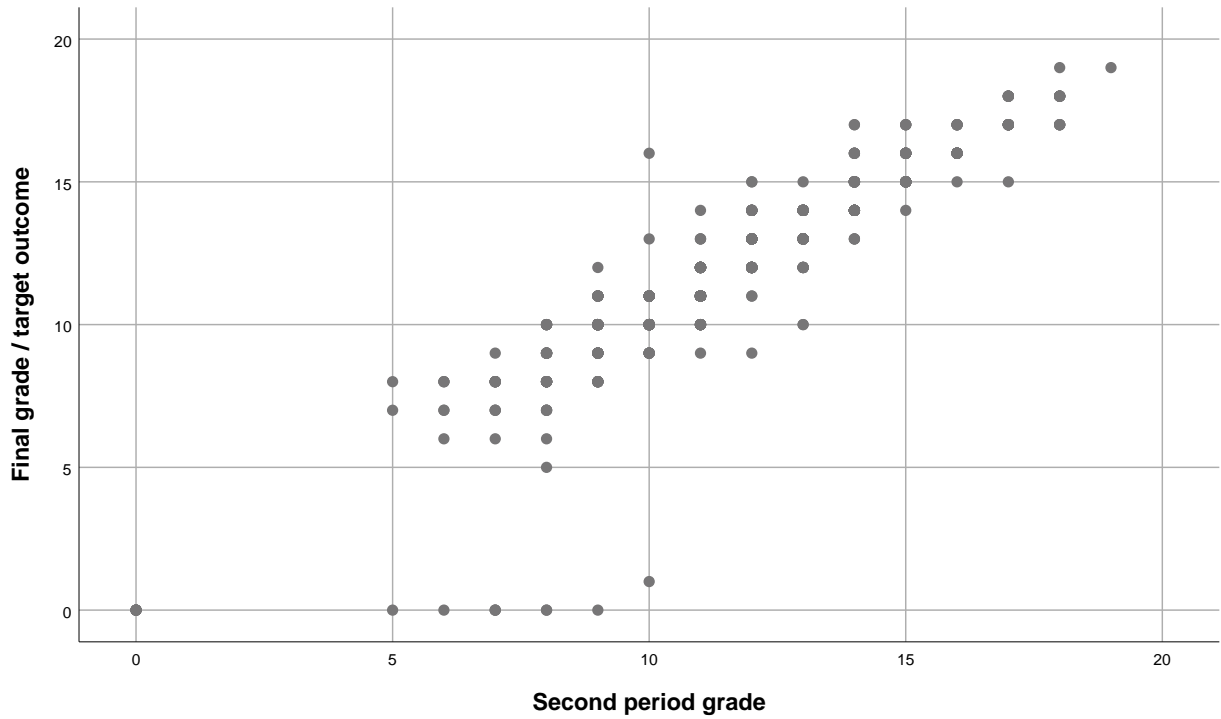


Focused Scatterplot: G2 and G3

```
>Warning # 2004. Command name: SUBTITLE  
>The subtitle given exceeds 60 characters in length. The first 60 characters  
>will be used.
```

Focused Scatterplot: G2 and G3
A strong positive grade correlation should appear as an upwa

Graph



Focused Scatterplot: Absences and G3

```
>Warning # 2004. Command name: SUBTITLE  
>The subtitle given exceeds 60 characters in length. The first 60 characters  
>will be used.
```

Focused Scatterplot: Absences and G3
This plot helps check whether absences have a negative or we

Graph

