

Host

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DAgostino Pearson Test

DAgostino Pearson Test
Import data

Normality context

Normality context
G3 plots

Explore

[DAgostinoPearsonData] D:\DATA ANALYSIS\B Normality and Assumption Tests\DAgostino Pearson Test\SPSS_Output\sav\DAgostino-Pearson-Test-data.sav

Case Processing Summary

	Valid		Cases Missing		Total	
	N	Percent	N	Percent	N	Percent
G3	649	100.0%	0	0.0%	649	100.0%

Descriptives

		Statistic	Std. Error
G3	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

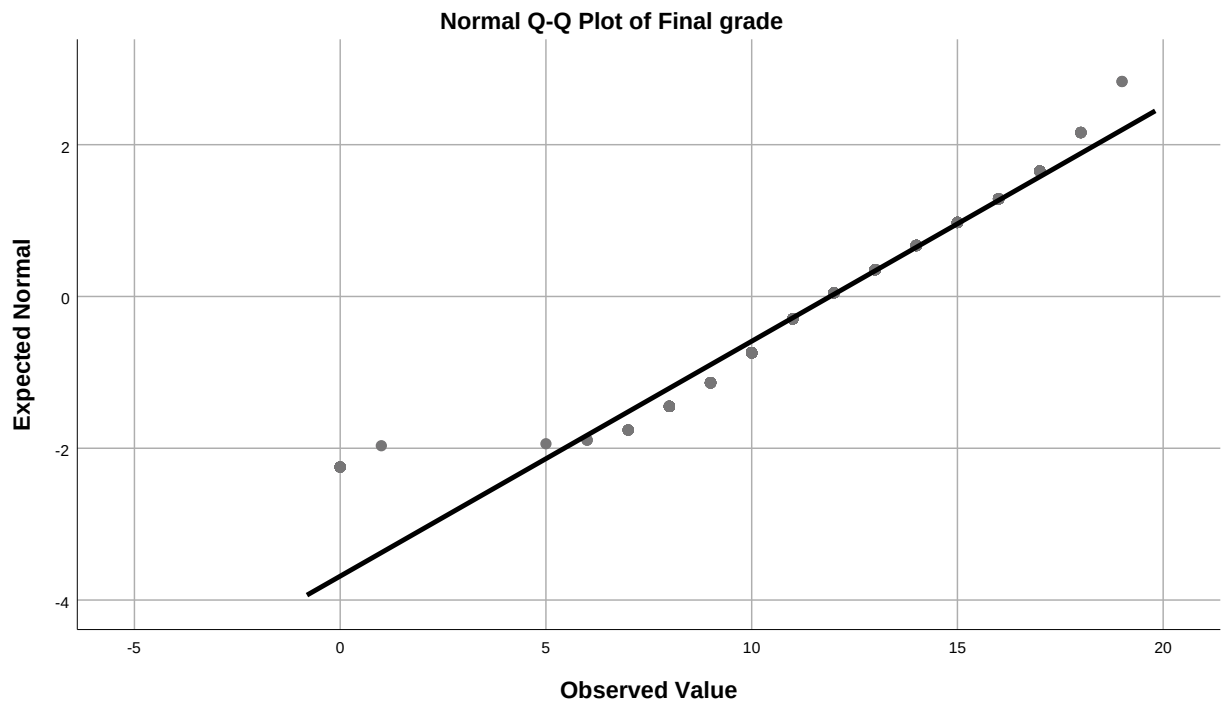
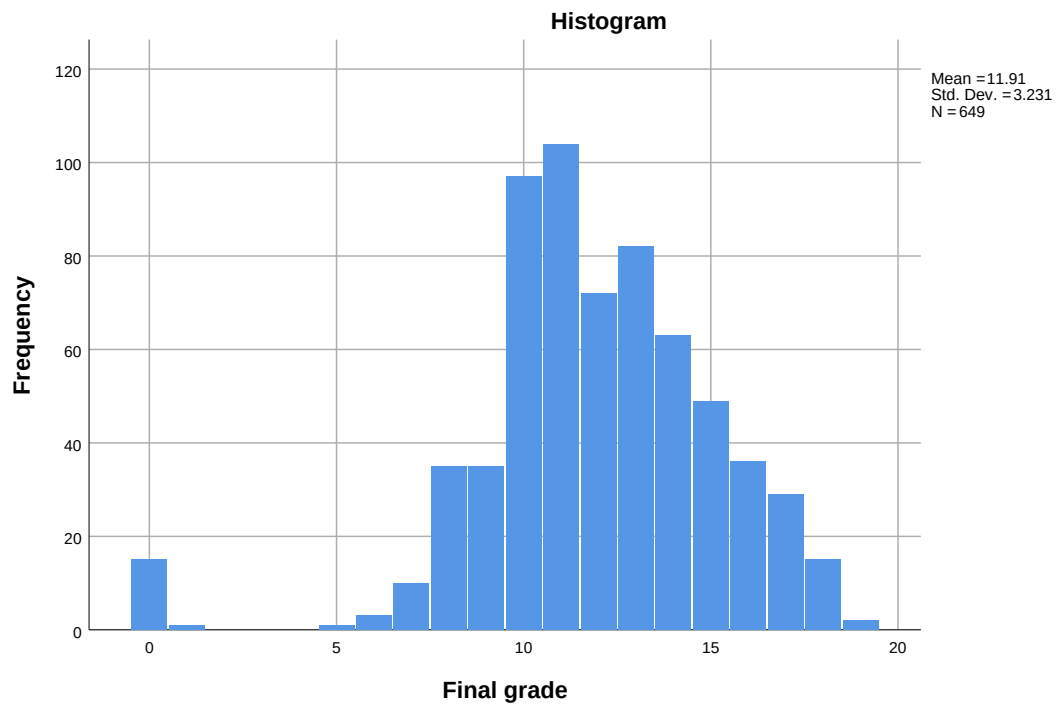
Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
G3	.124	649	.000	.926	649	.000

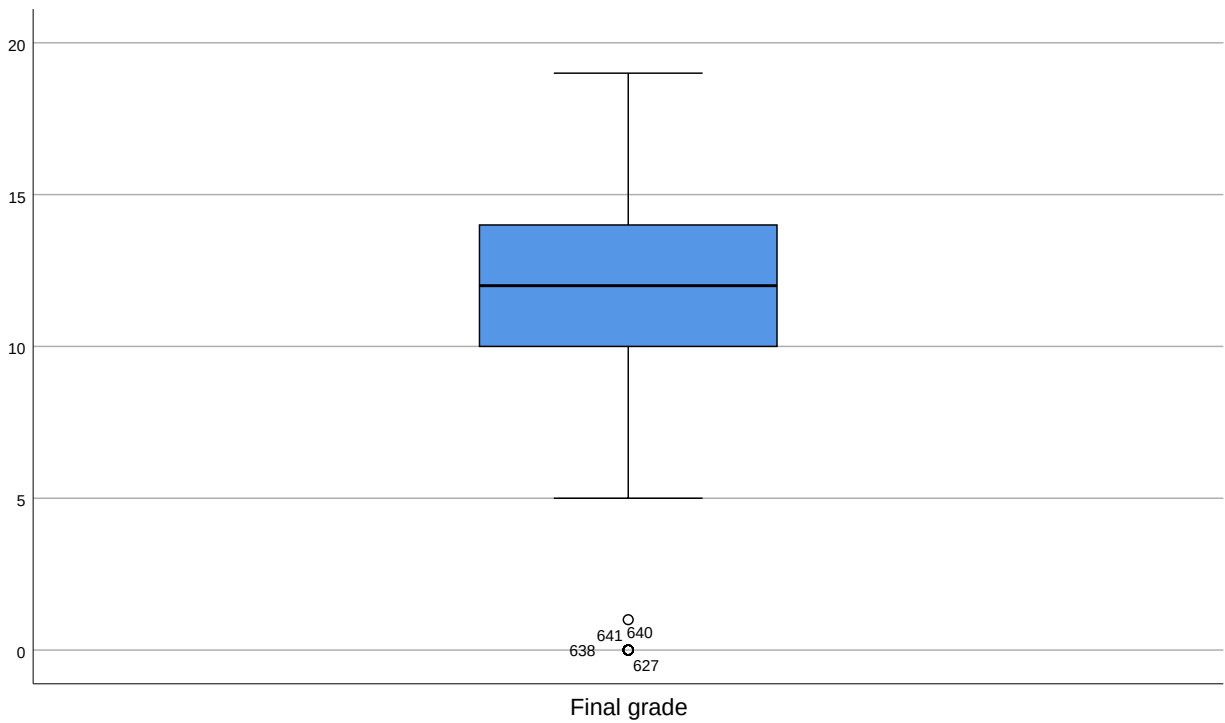
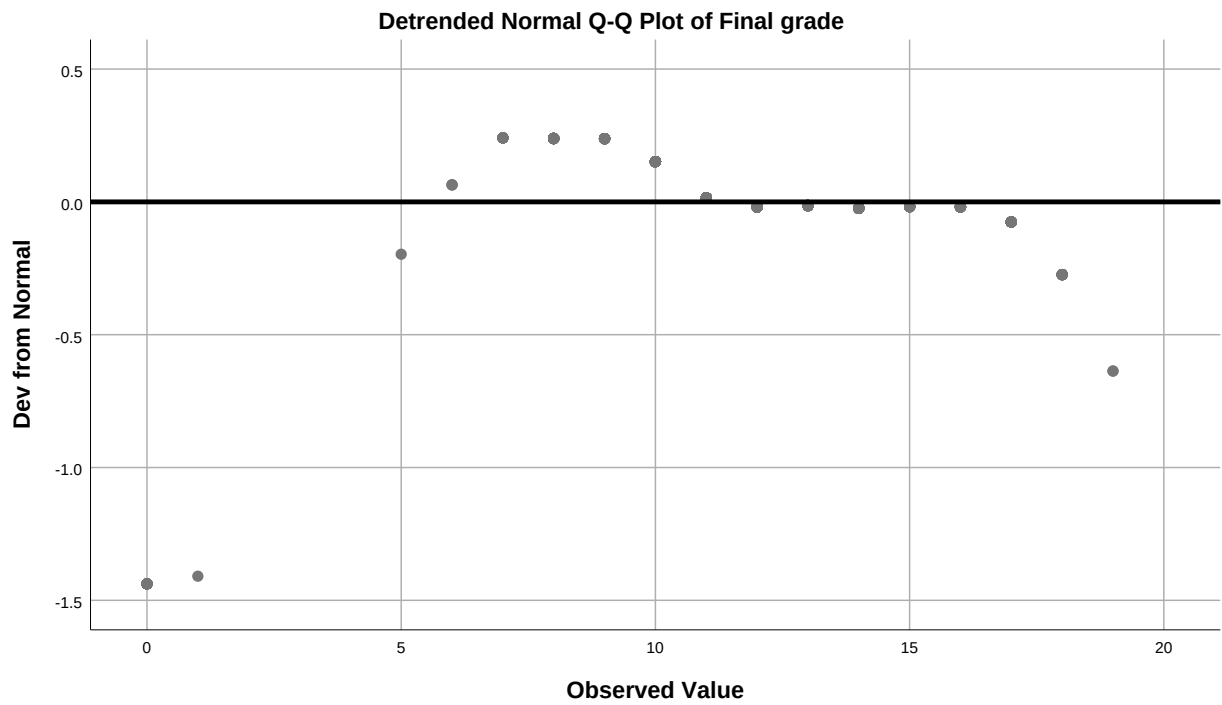
a. Lilliefors Significance Correction

Final grade

Normality context
G3 plots



Normality context
G3 plots



DAgostino Pearson result

D'Agostino Pearson result
G3 normality

List

[D'AgostinoPearsonData] D:\DATA ANALYSIS\B Normality and Assumption Tests\D'Agostino Pearson Test\SPSS_Output\sav\D'Agostino-Pearson-Test-with-calculation.sav

DAgostino Pearson result
G3 normality

dp_n_calc _value	dp_skewness dp_reject_05	dp_excess_kurtosis	dp_skew_z	dp_kurt_z	dp_k2	dp_p
649 .00000	-.91291 1.00	2.71220	-9.49455	14.10390	289.06639	

Number of cases read: 1 Number of cases listed: 1

Skewness and kurtosis context

Skewness and kurtosis context
Selected variables

Descriptives

Descriptive Statistics

	N Statistic	Minimum Statistic	Maximum Statistic	Mean Statistic	Std. Deviation Statistic	Skewness	
						Statistic	Std. Error
G1	649	0	19	11.40	2.745	-.003	.096
G2	649	0	19	11.57	2.914	-.360	.096
G3	649	0	19	11.91	3.231	-.913	.096
age	649	15	22	16.74	1.218	.417	.096
absences	649	0	32	3.66	4.641	2.021	.096
Valid N (listwise)	649						

Descriptive Statistics

	Kurtosis	
	Statistic	Std. Error
G1	.037	.192
G2	1.662	.192
G3	2.712	.192
age	.072	.192
absences	5.781	.192
Valid N (listwise)		

Grouped normality context

Grouped normality context
G3 by sex

Explore

Sex group

Case Processing Summary

		Valid		Cases Missing		Total	
sex		N	Percent	N	Percent	N	Percent
G3	F	383	100.0%	0	0.0%	383	100.0%
	M	266	100.0%	0	0.0%	266	100.0%

Descriptives

sex		Statistic		Std. Error
G3	F	Mean	12.25	.160
		95% Confidence Interval for Mean	Lower Bound	11.94
			Upper Bound	12.57
		5% Trimmed Mean	12.37	
		Median	12.00	
		Variance	9.760	
		Std. Deviation	3.124	
		Minimum	0	
		Maximum	19	
		Range	19	
		Interquartile Range	4	
		Skewness	-.857	.125
		Kurtosis	2.683	.249
	M	Mean	11.41	.204
		95% Confidence Interval for Mean	Lower Bound	11.01
			Upper Bound	11.81
		5% Trimmed Mean	11.60	
		Median	11.00	
		Variance	11.027	
		Std. Deviation	3.321	
		Minimum	0	
		Maximum	19	

Grouped normality context
G3 by sex

Descriptives

sex		Statistic	Std. Error
	Range	19	
	Interquartile Range	3	
	Skewness	-.980	.149
	Kurtosis	2.803	.298

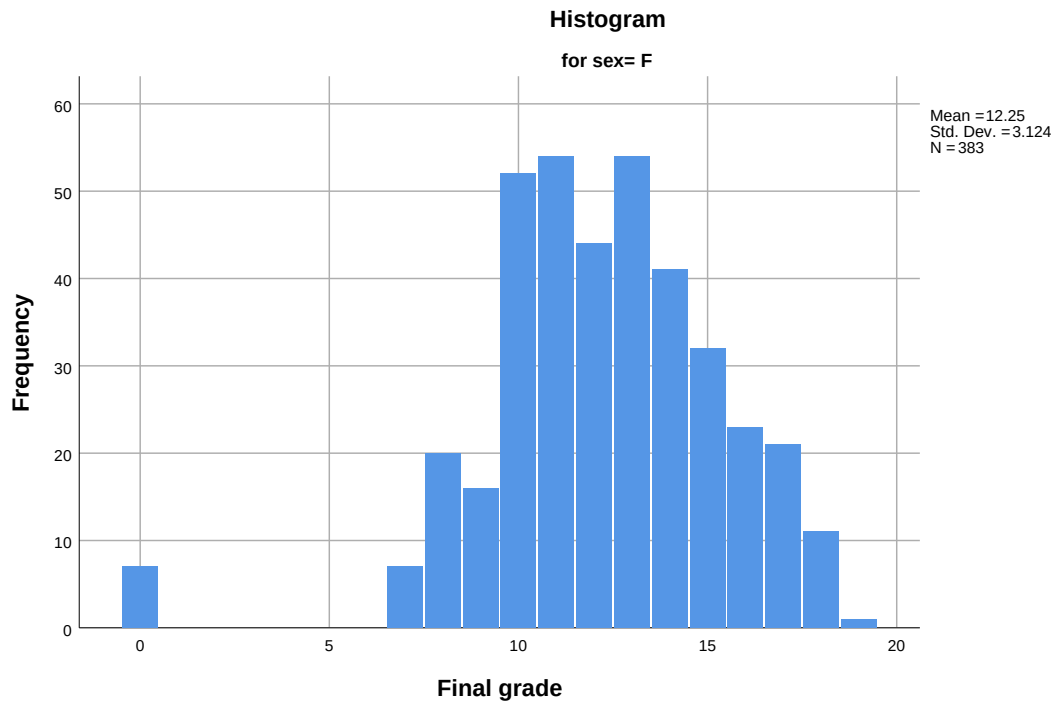
Tests of Normality

		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	sex	Statistic	df	Sig.	Statistic	df	Sig.
G3	F	.105	383	.000	.934	383	.000
	M	.148	266	.000	.913	266	.000

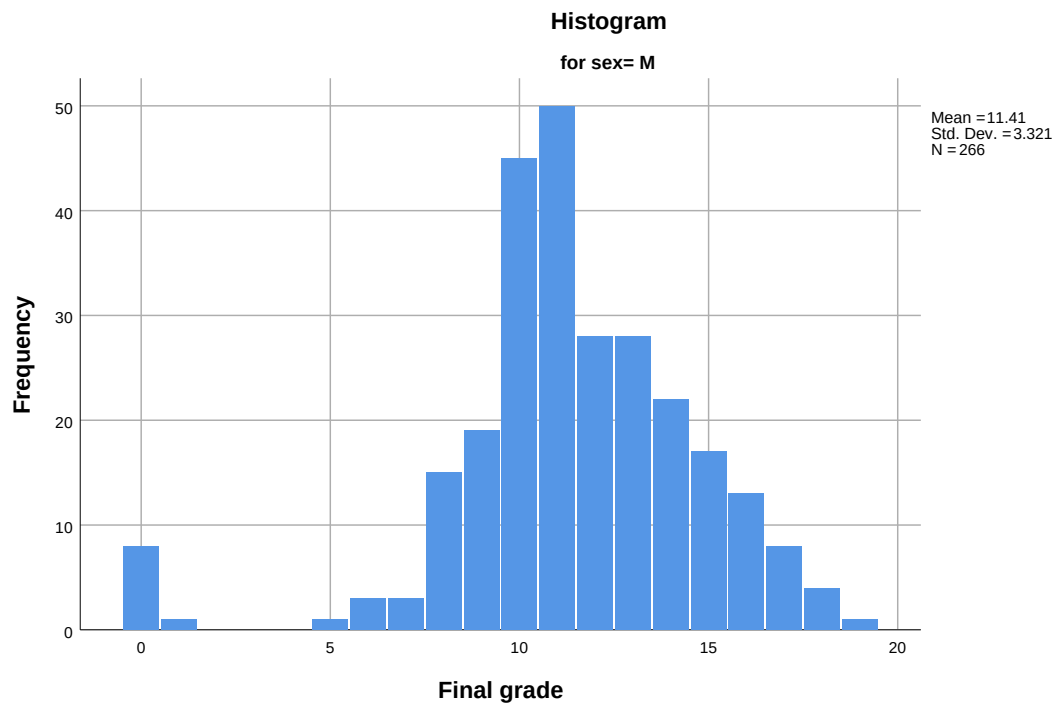
a. Lilliefors Significance Correction

Final grade

Histograms

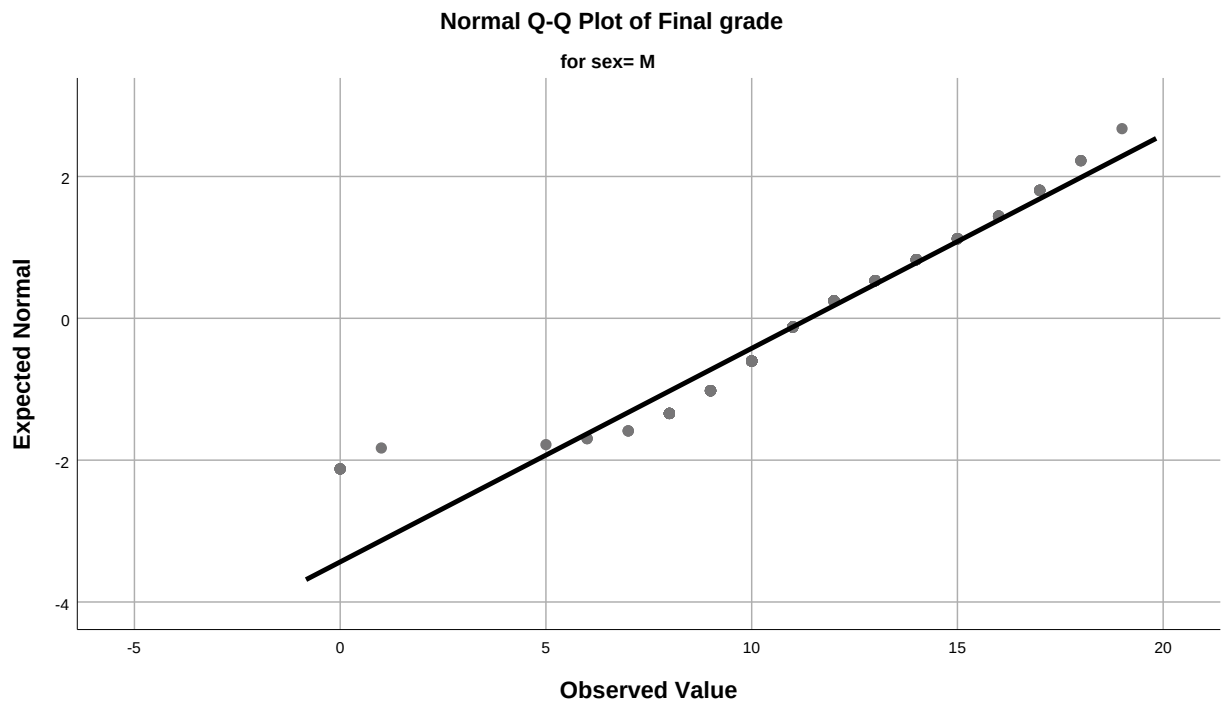
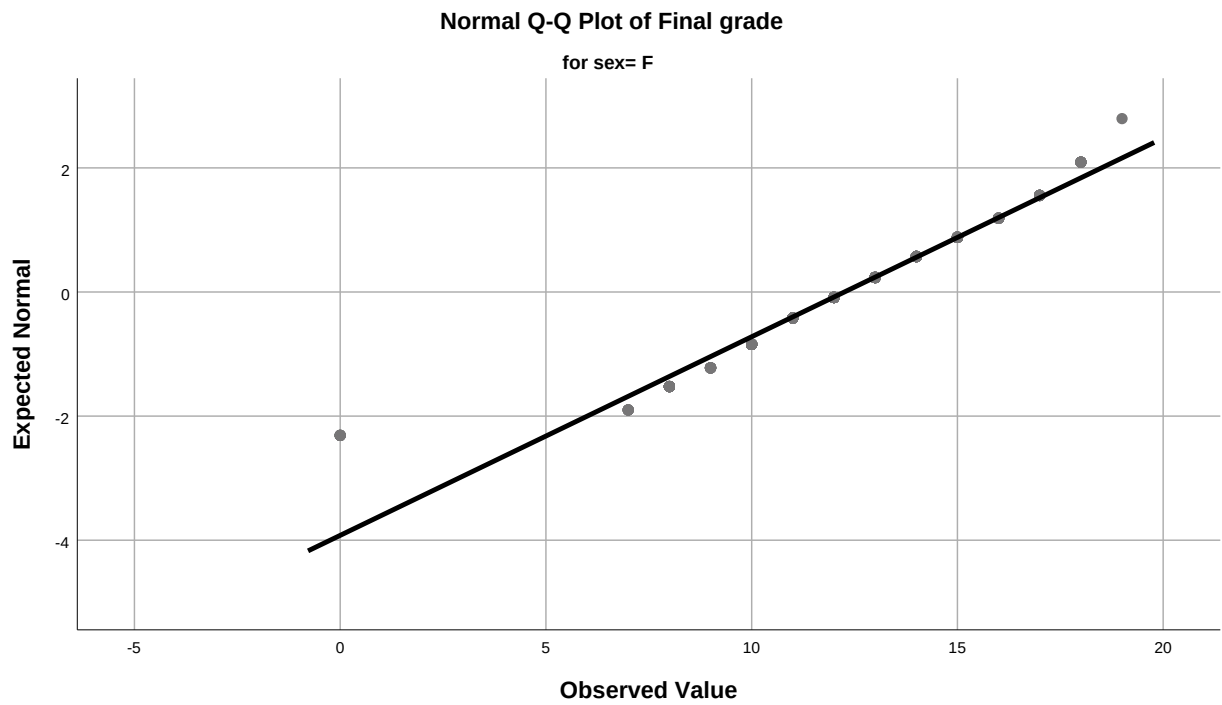


Grouped normality context
G3 by sex



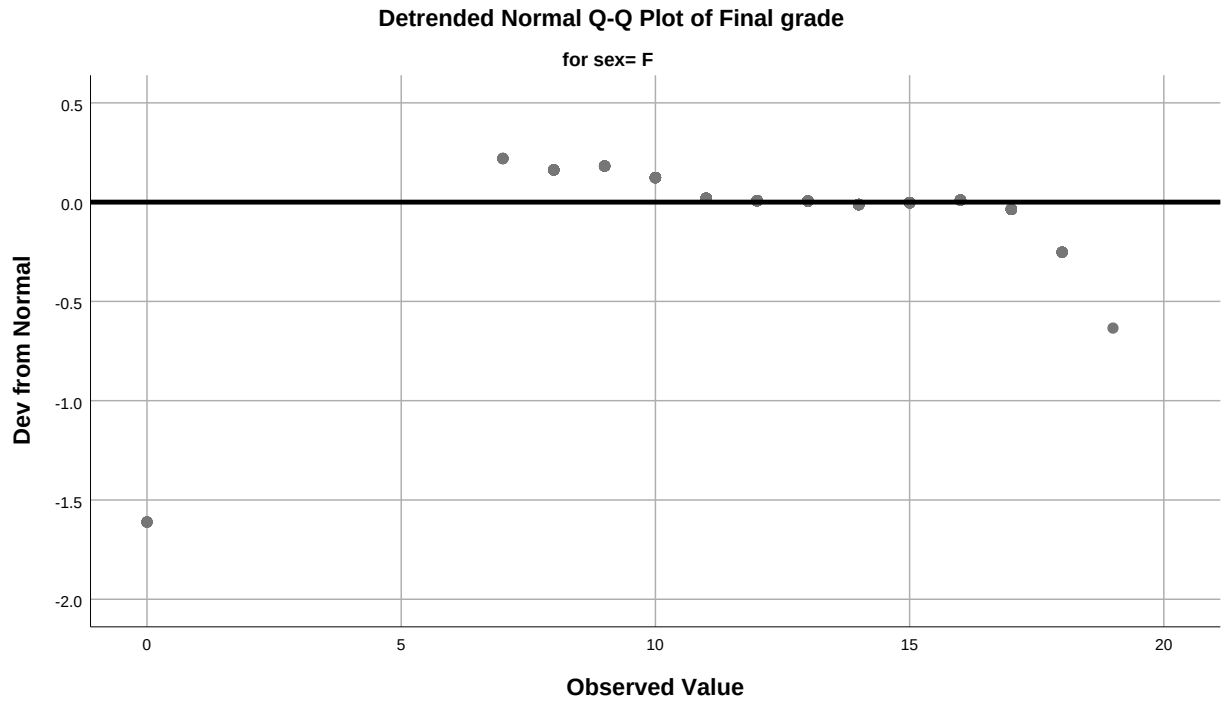
Normal Q-Q Plots

Grouped normality context
G3 by sex



Grouped normality context
G3 by sex

Detrended Normal Q-Q Plots



Grouped normality context
G3 by sex

