

## Kurtosis Analysis for Student Performance Data

>Warning # 2004. Command name: SUBTITLE

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

Kurtosis Analysis for Student Performance Data  
Main variable: G3 final grade. SPSS kurtosis is excess kurto

## Frequencies

[Kurtosis\_Data] D:\DATA ANALYSIS\A Basic Descriptive Statistics Guides\Kurtosis\SPSS\_Output\sav\kurtosis\_spss\_ready\_data.sav

### Statistics

		G3	G2	G1	absences	age
N	Valid	649	649	649	649	649
	Missing	0	0	0	0	0
Mean		11.9060	11.5701	11.3991	3.6595	16.7442
Median		12.0000	11.0000	11.0000	2.0000	17.0000
Std. Deviation		3.23066	2.91364	2.74527	4.64076	1.21814
Variance		10.437	8.489	7.536	21.537	1.484
Skewness		-.913	-.360	-.003	2.021	.417
Std. Error of Skewness		.096	.096	.096	.096	.096
Kurtosis		2.712	1.662	.037	5.781	.072
Std. Error of Kurtosis		.192	.192	.192	.192	.192
Range		19.00	19.00	19.00	32.00	7.00
Minimum		.00	.00	.00	.00	15.00
Maximum		19.00	19.00	19.00	32.00	22.00

## Explore

### Case Processing Summary

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

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**Descriptives**

		Statistic	Std. Error	
G3	Mean	11.9060	.12681	
	95% Confidence Interval for Mean	Lower Bound	11.6570	
		Upper Bound	12.1550	
	5% Trimmed Mean	12.0574		
	Median	12.0000		
	Variance	10.437		
	Std. Deviation	3.23066		
	Minimum	.00		
	Maximum	19.00		
	Range	19.00		
	Interquartile Range	4.00		
	Skewness	-.913	.096	
	Kurtosis	2.712	.192	

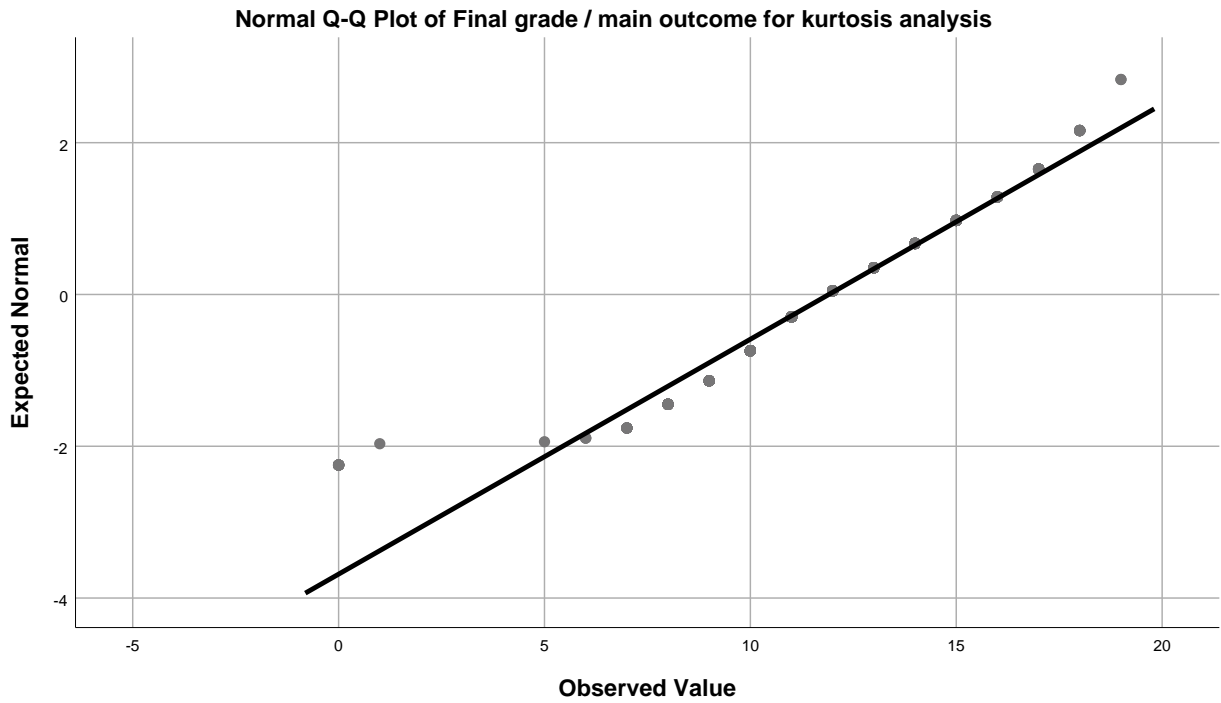
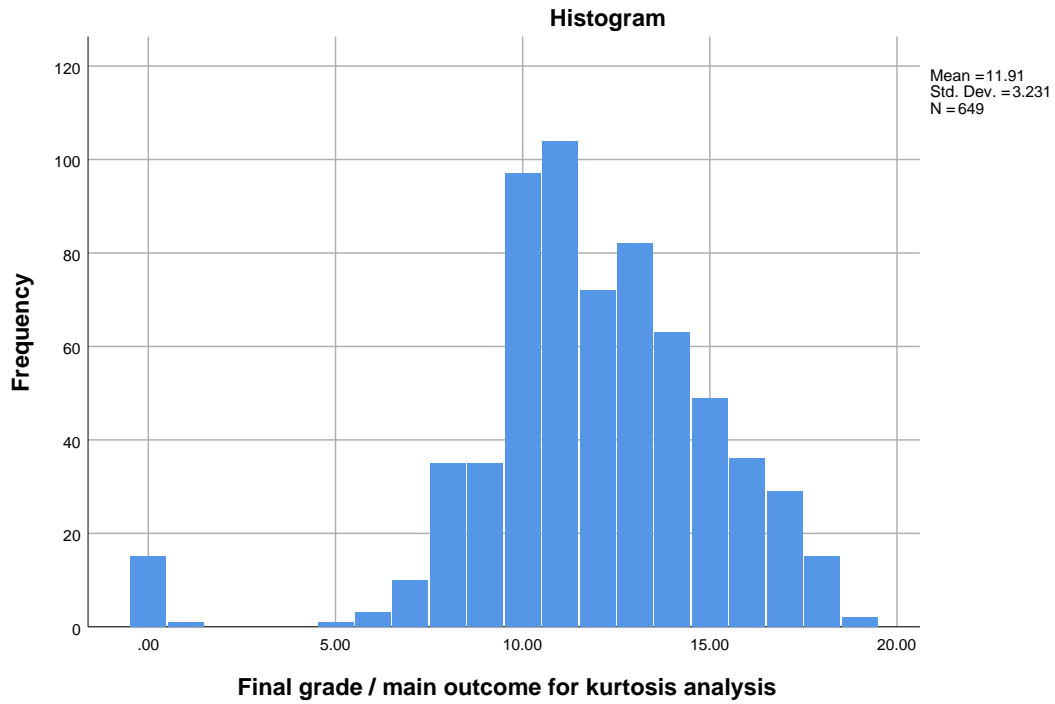
**Tests of Normality**

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
G3	.124	649	.000	.926	649	.000

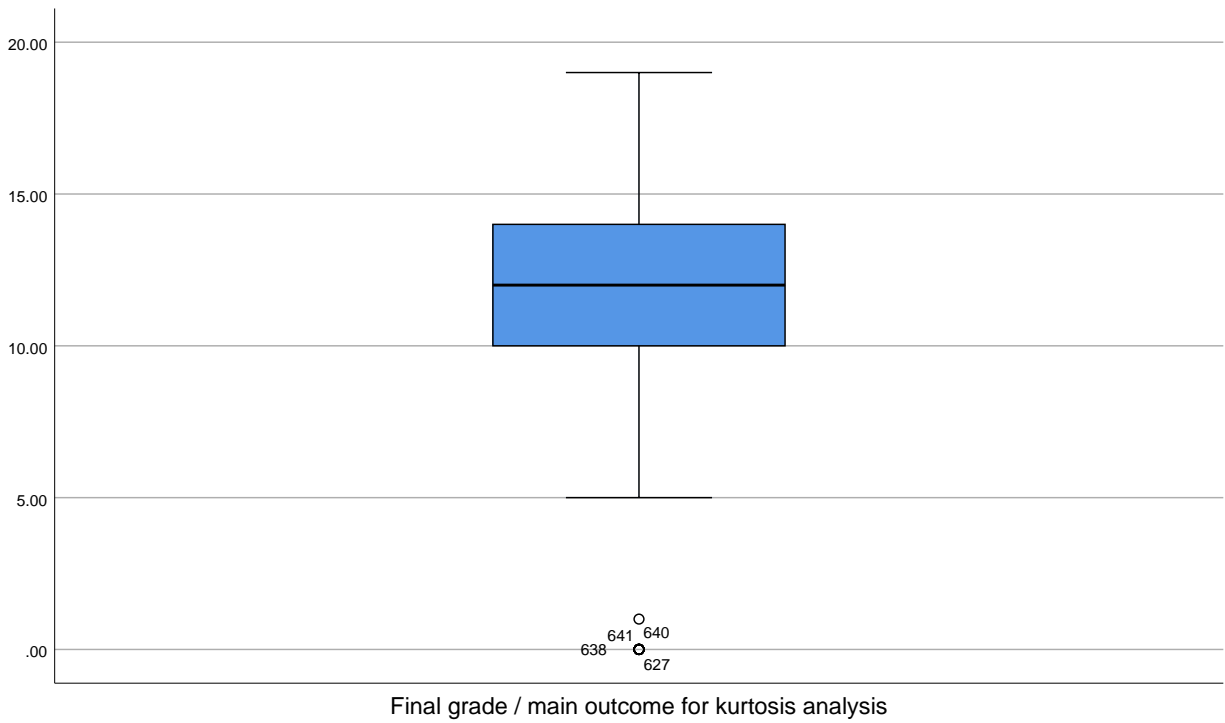
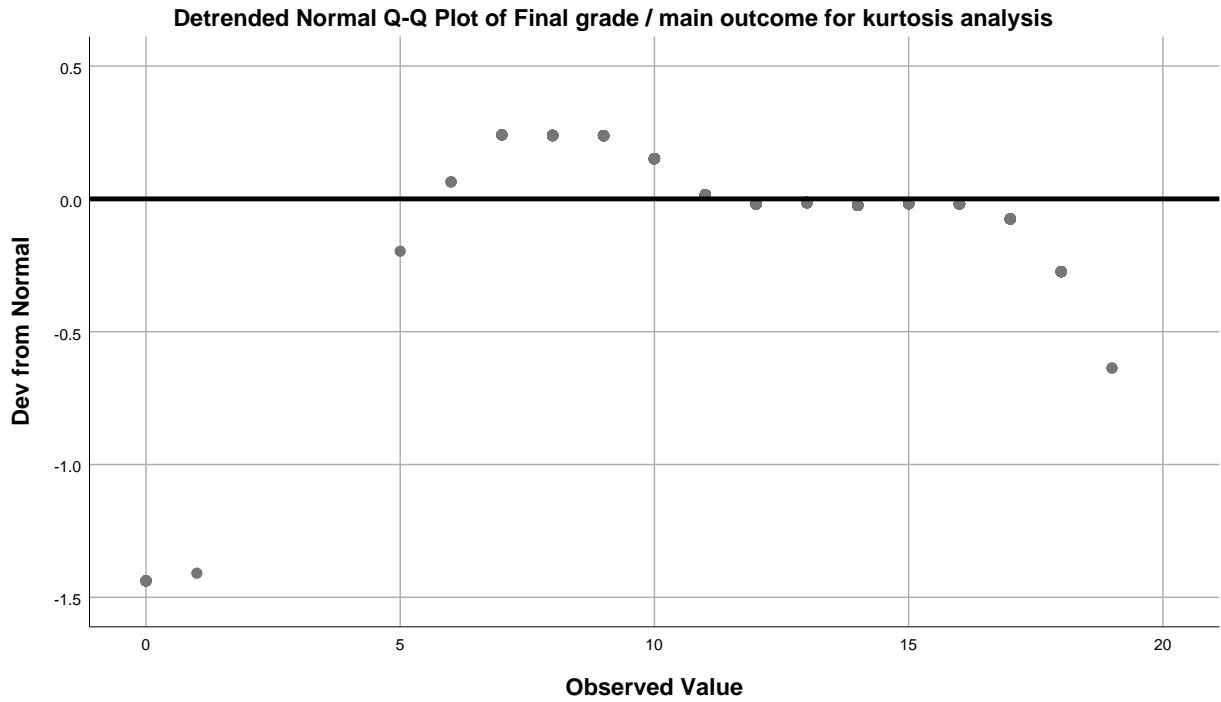
a. Lilliefors Significance Correction

**Final grade / main outcome for kurtosis analysis**

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## Descriptives

### Descriptive Statistics

	N Statistic	Minimum Statistic	Maximum Statistic	Mean Statistic	Std. Deviation Statistic	Skewness	
						Statistic	Std. Error
G3	649	.00	19.00	11.9060	3.23066	-.913	.096
G2	649	.00	19.00	11.5701	2.91364	-.360	.096
G1	649	.00	19.00	11.3991	2.74527	-.003	.096
absences	649	.00	32.00	3.6595	4.64076	2.021	.096
age	649	15.00	22.00	16.7442	1.21814	.417	.096
Valid N (listwise)	649						

### Descriptive Statistics

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