

Skewness

Skewness
Import dataset

Skewness

Skewness
Target variable G3

Frequencies

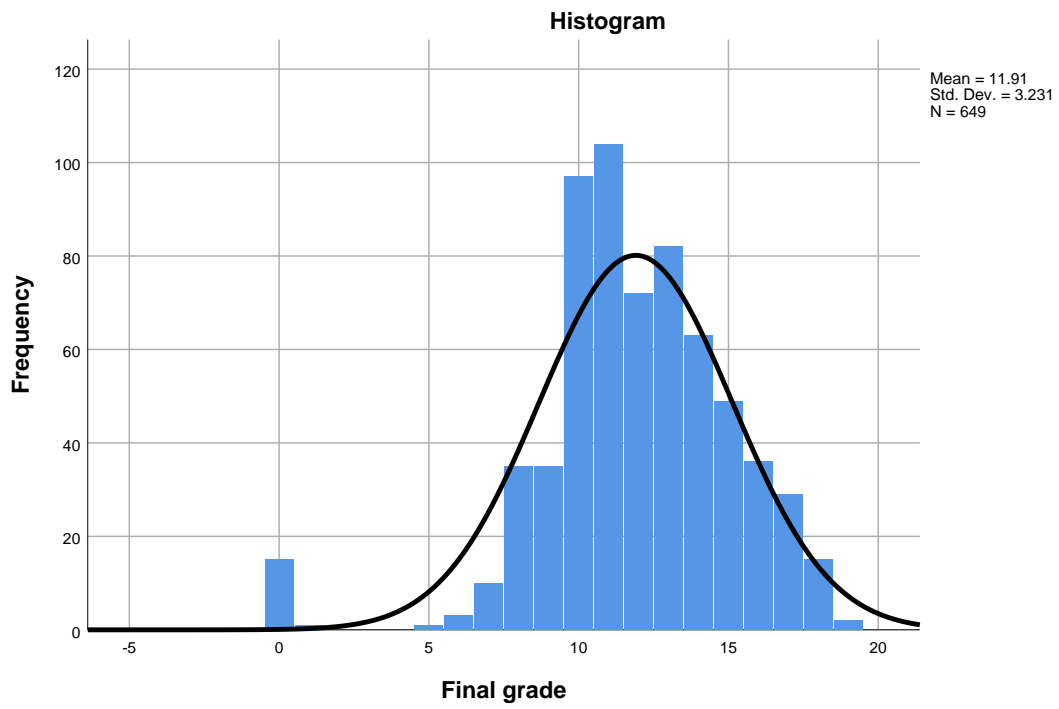
[SkewnessData] D:\DATA ANALYSIS\A Basic Descriptive Statistics Guides\Skewness
\SPSS_Output\sav\Skewness-data.sav

Statistics

Final grade

N	Valid	649
	Missing	0
Mean		11.91
Median		12.00
Mode		11
Std. Deviation		3.231
Variance		10.437
Skewness		-.913
Std. Error of Skewness		.096
Kurtosis		2.712
Std. Error of Kurtosis		.192
Range		19
Minimum		0
Maximum		19

Skewness
Target variable G3



Skewness

Skewness
Key numeric variables

Frequencies

		Statistics				
		First period grade	Second period grade	Final grade	Student age	School absences
N	Valid	649	649	649	649	649
	Missing	0	0	0	0	0
Mean		11.40	11.57	11.91	16.74	3.66
Median		11.00	11.00	12.00	17.00	2.00
Std. Deviation		2.745	2.914	3.231	1.218	4.641
Variance		7.536	8.489	10.437	1.484	21.537
Skewness		-.003	-.360	-.913	.417	2.021
Std. Error of Skewness		.096	.096	.096	.096	.096
Kurtosis		.037	1.662	2.712	.072	5.781
Std. Error of Kurtosis		.192	.192	.192	.192	.192
Range		19	19	19	7	32
Minimum		0	0	0	15	0
Maximum		19	19	19	22	32

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Explore

Case Processing Summary

	Valid		Cases Missing		Total	
	N	Percent	N	Percent	N	Percent
First period grade	649	100.0%	0	0.0%	649	100.0%
Second period grade	649	100.0%	0	0.0%	649	100.0%
Final grade	649	100.0%	0	0.0%	649	100.0%
Student age	649	100.0%	0	0.0%	649	100.0%
School absences	649	100.0%	0	0.0%	649	100.0%

Descriptives

		Statistic	Std. Error	
First period grade	Mean	11.40	.108	
	95% Confidence Interval for Mean	Lower Bound	11.19	
		Upper Bound	11.61	
	5% Trimmed Mean	11.39		
	Median	11.00		
	Variance	7.536		
	Std. Deviation	2.745		
	Minimum	0		
	Maximum	19		
	Range	19		
	Interquartile Range	3		
	Skewness	-.003	.096	
	Kurtosis	.037	.192	
Second period grade	Mean	11.57	.114	
	95% Confidence Interval for Mean	Lower Bound	11.35	
		Upper Bound	11.79	
	5% Trimmed Mean	11.60		
	Median	11.00		
	Variance	8.489		
	Std. Deviation	2.914		
	Minimum	0		

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Descriptives

		Statistic	Std. Error	
	Maximum	19		
	Range	19		
	Interquartile Range	3		
	Skewness	-.360	.096	
	Kurtosis	1.662	.192	
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	
Student age	Mean	16.74	.048	
	95% Confidence Interval for Mean	Lower Bound	16.65	
		Upper Bound	16.84	
	5% Trimmed Mean	16.69		
	Median	17.00		
	Variance	1.484		
	Std. Deviation	1.218		
	Minimum	15		
	Maximum	22		
	Range	7		
	Interquartile Range	2		
	Skewness	.417	.096	
	Kurtosis	.072	.192	
School absences	Mean	3.66	.182	

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Descriptives

	Statistic	Std. Error
95% Confidence Interval for Mean	Lower Bound	3.30
	Upper Bound	4.02
5% Trimmed Mean	3.09	
Median	2.00	
Variance	21.537	
Std. Deviation	4.641	
Minimum	0	
Maximum	32	
Range	32	
Interquartile Range	6	
Skewness	2.021	.096
Kurtosis	5.781	.192

