

Host

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Brown-Forsythe Test

Brown-Forsythe Test
Import data

Dataset Name

Warnings

The active dataset will replace the existing dataset named
BrownForsytheData.

Group spread context

Group spread context
G3 by sex

Means

[BrownForsytheData] D:\DATA ANALYSIS\B Normality and Assumption Tests\Brown-Forsythe Test\SPSS_Output\sav\Brown-Forsythe-Test-data.sav

Case Processing Summary

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
G3 * sex	649	100.0%	0	0.0%	649	100.0%

Report

G3

sex	N	Mean	Median	Std. Deviation	Variance
F	383	12.25	12.00	3.124	9.760
M	266	11.41	11.00	3.321	11.027
Total	649	11.91	12.00	3.231	10.437

Raw score plots

Raw score plots
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	

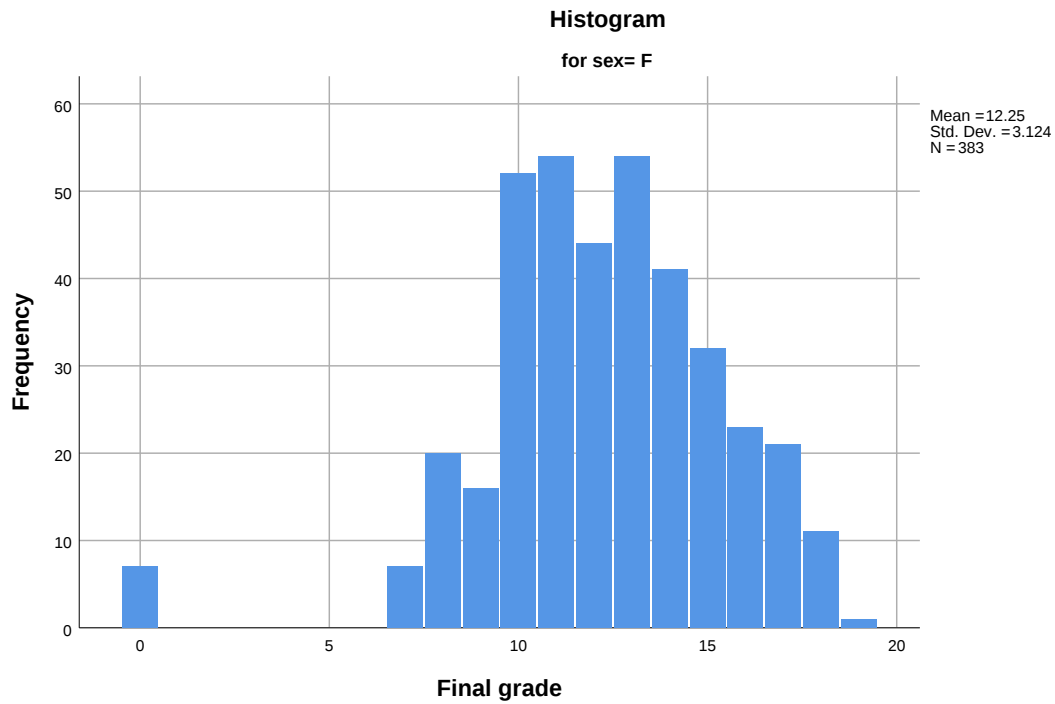
Raw score plots
G3 by sex

Descriptives

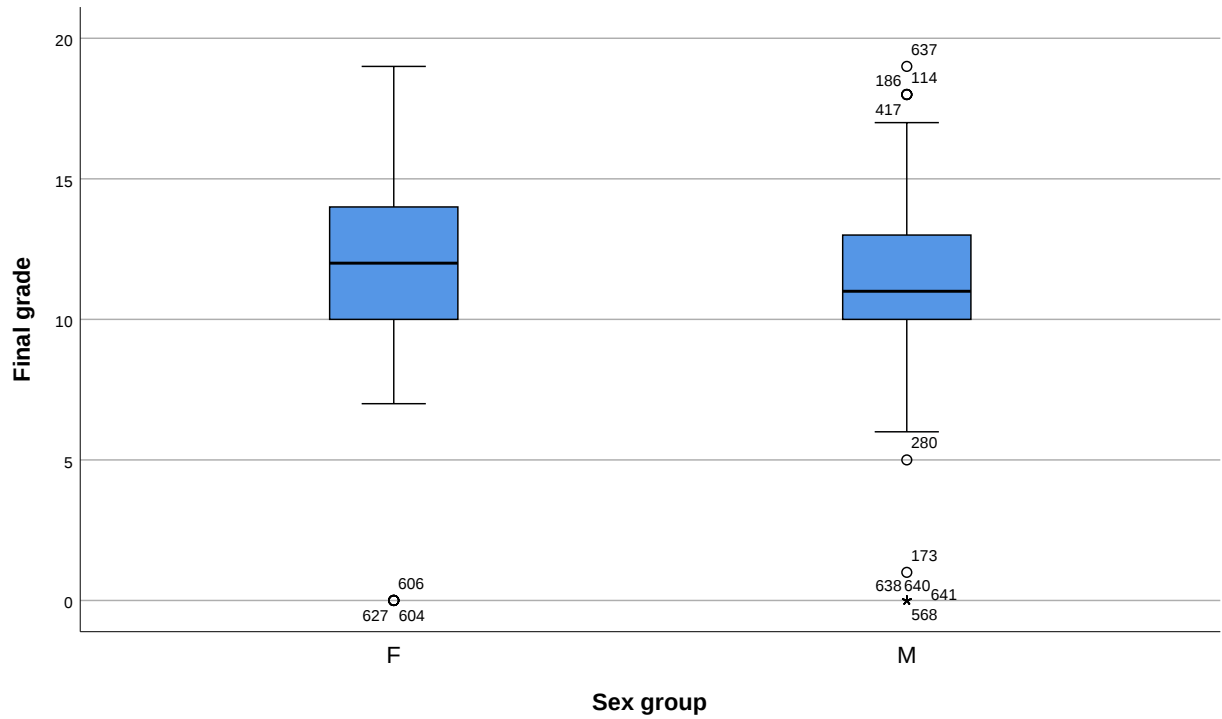
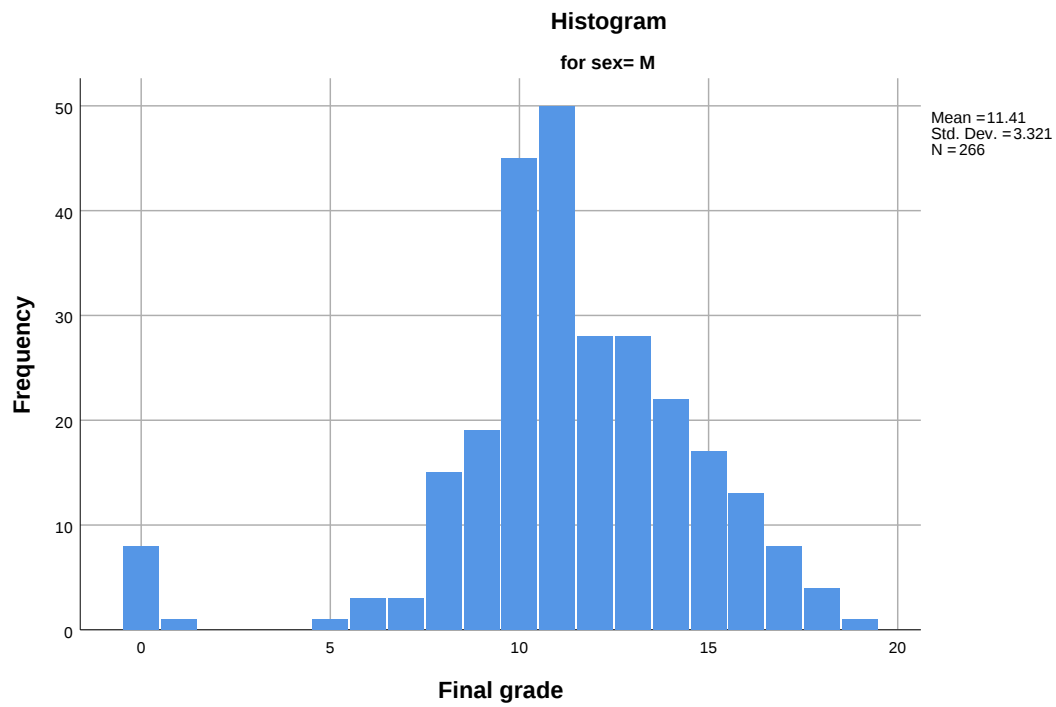
sex		Statistic	Std. Error
	Range	19	
	Interquartile Range	3	
	Skewness	-.980	.149
	Kurtosis	2.803	.298

Final grade

Histograms



Raw score plots G3 by sex



Median deviations

Median deviations
Brown-Forsythe input

Means

[BrownForsytheData] D:\DATA ANALYSIS\B Normality and Assumption Tests\Brown-Forsythe Test\SPSS_Output\sav\Brown-Forsythe-Test-with-deviations.sav

Case Processing Summary

	Included		Cases Excluded		Total	
	N	Percent	N	Percent	N	Percent
abs_dev_G3_median * sex	649	100.0%	0	0.0%	649	100.0%

Report

abs_dev_G3_median

sex	N	Mean	Median	Std. Deviation	Variance
F	383	2.368146	2.000000	2.0498317	4.202
M	266	2.353383	2.000000	2.3734236	5.633
Total	649	2.362096	2.000000	2.1864861	4.781

Brown-Forsythe result

Brown-Forsythe result
ANOVA on deviations

Oneway

Warnings

Text: sex Command: ONEWAY

A string variable was used in a variable list where only numeric
variables are allowed.

Execution of this command stops.

Levene comparison

Levene comparison
SPSS homogeneity table

Oneway

Warnings

Text: sex Command: ONEWAY

A string variable was used in a variable list where only numeric
variables are allowed.

Execution of this command stops.

Other grouping context

Other grouping context
G3 by school

Oneway

Warnings

Text: school Command: ONEWAY

A string variable was used in a variable list where only numeric variables are allowed.

Execution of this command stops.
