

Moses Test of Extreme Reactions

Moses Test of Extreme Reactions
Test-specific data preparation and execution

>Warning # 4492 on line 13357 in column 42. Text: internet_bin
>The (ADD) VALUE LABELS command included a symbol other than a value where a
>value (either numeric or string) was expected. For compatibility with
>previous systems, a parenthesized value would have been acceptable. All valu
e
>labels up to the next slash will be ignored.

Moses test of extreme reactions

>Warning # 2004 on line 13361. Command name: SUBTITLE

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

Moses test of extreme reactions
MS control-group span in pooled school absences, with default

NPar Tests

Notes		
Output Created		16-JUL-2026 16:48:56
Comments		
Input	Data	D:\DATA ANALYSIS\J Nonparametric Tests\Moses Test of Extreme Reactions\dataset.csv
	Active Dataset	MosesTestofExtremeReac tionsData
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	649
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable (s) used in that test.
Syntax		NPAR TESTS /MOSES=absences BY school_n(2,1) /STATISTICS=DESCRIPT IVES QUARTILES.
Resources	Processor Time	00:00:00.03
	Elapsed Time	00:00:00.03
	Number of Cases Allowed ^a	449389

a. Based on availability of workspace memory.

[MosesTestofExtremeReactionsData]

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Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum	Percentiles	
						25th	50th (Median)
absences	649	3.66	4.641	0	32	.00	2.00
school_n	649	1.35	.477	1	2	1.00	1.00

Descriptive Statistics

	Percentiles
	75th
absences	6.00
school_n	2.00

Moses Test

Frequencies

	school_n	N
absences	MS (Control)	226
	GP (Experimental)	423
	Total	649

Test Statistics^{a,b}

		absences
Observed Control Group Span		490
	Sig. (1-tailed)	.000
Trimmed Control Group Span		455
	Sig. (1-tailed)	.000
Outliers Trimmed from each End		11

a. Moses Test

b. Grouping Variable: school_n

Explore

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Notes

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Comments		
Input	Data	D:\DATA ANALYSIS\J Nonparametric Tests\Moses Test of Extreme Reactions\dataset.csv
	Active Dataset	MosesTestofExtremeReac tionsData
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	649
Missing Value Handling	Definition of Missing	User-defined missing values for dependent variables are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any dependent variable or factor used.
Syntax		EXAMINE VARIABLES=absences BY school_n /PLOT=BOXPLOT /STATISTICS=DESCRIPT IVES /NOTOTAL.
Resources	Processor Time	00:00:00.50
	Elapsed Time	00:00:01.16

school_n

Case Processing Summary

		Valid		Cases Missing		Total	
	school_n	N	Percent	N	Percent	N	Percent
absences	GP	423	100.0%	0	0.0%	423	100.0%
	MS	226	100.0%	0	0.0%	226	100.0%

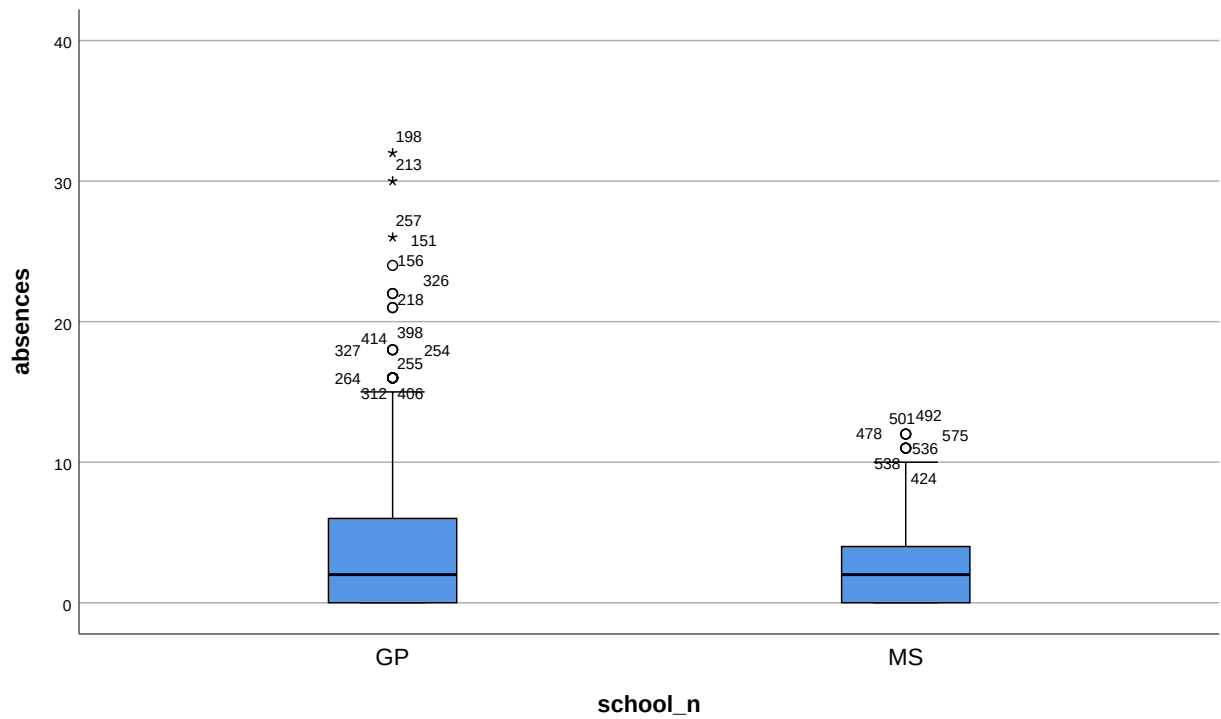
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Descriptives

school_n		Statistic	Std. Error
absences	GP	Mean	4.22
		95% Confidence Interval for Mean	.252
		Lower Bound	3.72
		Upper Bound	4.71
		5% Trimmed Mean	3.60
		Median	2.00
		Variance	26.956
		Std. Deviation	5.192
		Minimum	0
		Maximum	32
		Range	32
		Interquartile Range	6
		Skewness	1.886
		Kurtosis	.237
	MS	Mean	2.62
		95% Confidence Interval for Mean	.208
		Lower Bound	2.21
		Upper Bound	3.03
		5% Trimmed Mean	2.32
		Median	2.00
		Variance	9.801
		Std. Deviation	3.131
		Minimum	0
		Maximum	12
		Range	12
		Interquartile Range	4
		Skewness	1.125
		Kurtosis	.428

absences

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Graph

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Notes

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Comments		
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	Active Dataset	MosesTestofExtremeReac tionsData
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	649
Syntax		GRAPH /BAR(GROUPED) =MEAN(absences) BY school_n.
Resources	Processor Time	00:00:00.53
	Elapsed Time	00:00:00.69

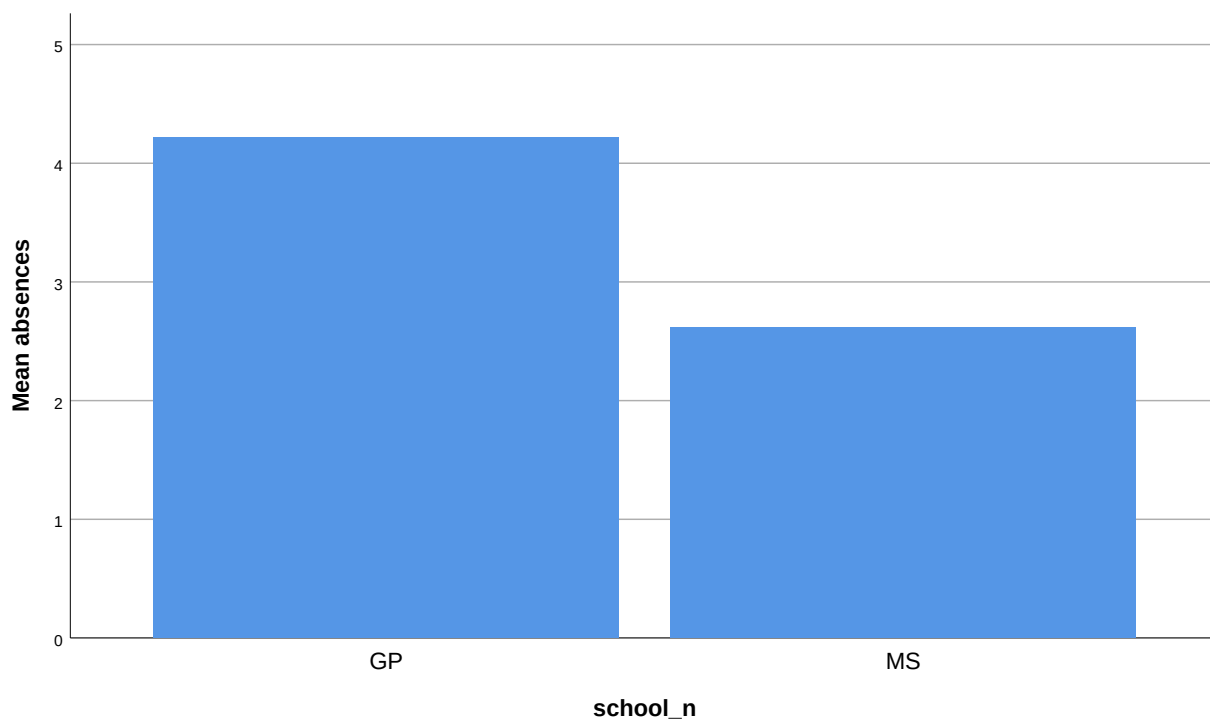
>Warning # 17848

>The requested bar chart type cannot be drawn with the provided data. Instead

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>Graphics will attempt to draw a simple bar chart.

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MOSES TEST OF EXTREME REACTIONS
Formula:  $P(S \leq s) = \sum_{r=n_c}^s (N-r+1) C(r-2, n_c-2) / C(N, n_c)$ 
Variables: absences, school control/comparison
comparison_n = 423
control_n = 226
full_span = 471
one_sided_span_p = 2.6780627967202148e-39
trim_each_tail = 11
trimmed_span = 419
Cross-check status: pass
=====
```