Two-Group Median Test

```
>Warning # 4492 on line 13207 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.
```

Two-sample median test

Two-sample median test
Pooled G3 median split for GP and MS schools

NPar Tests

Notes

Output Created		16-JUL-2026 16:48:20
Comments		
Input	Data	D:\DATA ANALYSIS\J Nonparametric Tests\Median Test\dataset.csv
	Active Dataset	MedianTestData
	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 /MEDIAN=G3 BY school_n(1,2) /STATISTICS=DESCRIPTIVES 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.

[MedianTestData]

Two-sample median test
Pooled G3 median split for GP and MS schools

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum	Percentiles 25th	Percentiles 50th (Median)
G3	649	11.91	3.231	0	19	10.00	12.00
school_n	649	1.35	.477	1	2	1.00	1.00

Descriptive Statistics

	Percentiles 75th
G3	14.00
school_n	2.00

Median Test

Frequencies

		school_n GP	school_n MS
G3	> Median	213	63
	<= Median	210	163

Test Statistics[a]

		G3
N		649
Median		12.00
Chi-Square		30.452
df		1
Asymp. Sig.		.000
Yates' Continuity Correction	Chi-Square	29.539
	df	1
	Asymp. Sig.	.000

a. Grouping Variable: school_n

Frequencies

Two-sample median test
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Notes

Output Created		16-JUL-2026 16:48:20
Comments		
Input	Data	D:\DATA ANALYSIS\J Nonparametric Tests\Median Test\dataset.csv
	Active Dataset	MedianTestData
	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 are based on all cases with valid data.
Syntax		FREQUENCIES VARIABLES=G3 /STATISTICS=MEDIAN QUARTILES /HISTOGRAM.
Resources	Processor Time	00:00:00.94
	Elapsed Time	00:00:01.46

Warnings

The STATISTICS subcommand has encountered a bad option keyword. Found: QUARTILES

Two-sample median test
Pooled G3 median split for GP and MS schools

Statistics

G3

N	Valid	649
	Missing	0
Mean		11.91
Median		12.00
Std. Deviation		3.231
Minimum		0
Maximum		19

G3

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	15	2.3	2.3	2.3
	1	1	.2	.2	2.5
	5	1	.2	.2	2.6
	6	3	.5	.5	3.1
	7	10	1.5	1.5	4.6
	8	35	5.4	5.4	10.0
	9	35	5.4	5.4	15.4
	10	97	14.9	14.9	30.4
	11	104	16.0	16.0	46.4
	12	72	11.1	11.1	57.5
	13	82	12.6	12.6	70.1
	14	63	9.7	9.7	79.8
	15	49	7.6	7.6	87.4
	16	36	5.5	5.5	92.9
	17	29	4.5	4.5	97.4
	18	15	2.3	2.3	99.7
	19	2	.3	.3	100.0
	Total	649	100.0	100.0	

Two-sample median test
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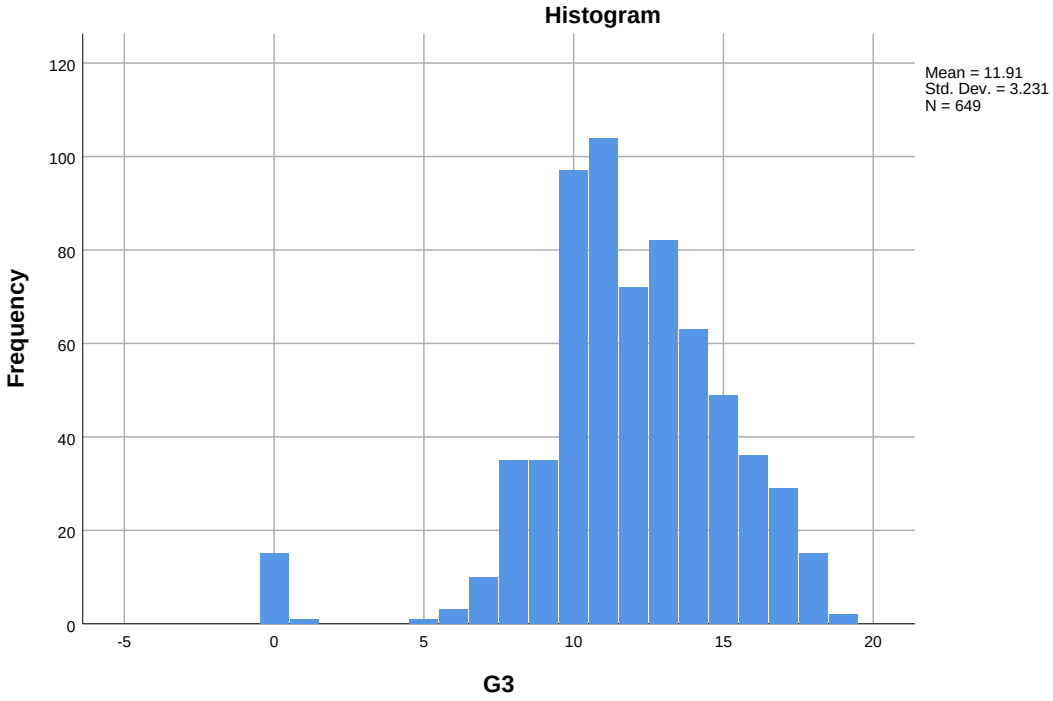


Graph

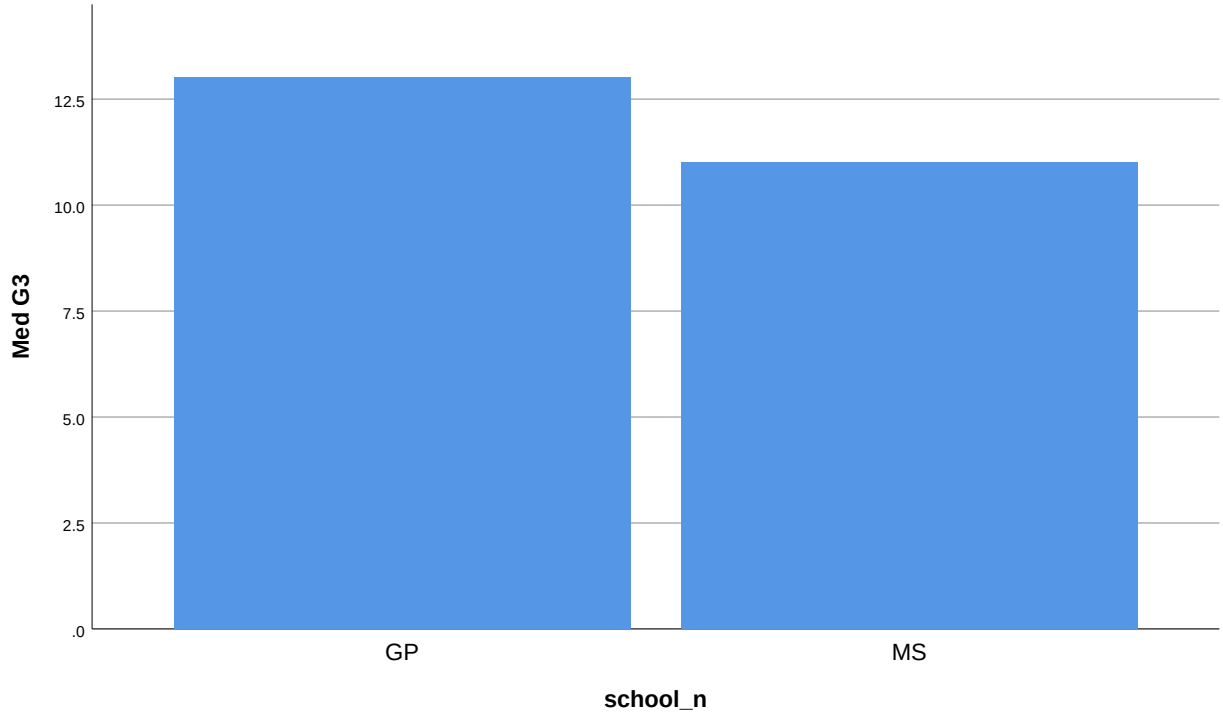
Two-sample median test
Pooled G3 median split for GP and MS schools

Notes

Output Created		16-JUL-2026 16:48:22
Comments		
Input	Data	D:\DATA ANALYSIS\J Nonparametric Tests\Median Test\dataset.csv
	Active Dataset	MedianTestData
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	649
Syntax		GRAPH /BAR(GROUPED) =MEDIAN(G3) BY school_n.
Resources	Processor Time	00:00:00.62
	Elapsed Time	00:00:00.81

```
>Warning # 17848
>The requested bar chart type cannot be drawn with the provided data.  Instead
,
>Graphics will attempt to draw a simple bar chart.
```

Two-sample median test
Pooled G3 median split for GP and MS schools




```
==========================================================================
TWO-GROUP MEDIAN TEST
Formula: X^2 = Pearson chi-square for group by above/below pooled median.
Variables: G3, school
degrees_of_freedom = 1
p_value = 3.4229752833636866e-08
pooled_median = 12.0
statistic = 30.45161905230017
Cross-check status: pass
==========================================================================
```