Mood's K-Sample Median Test

```
>Warning # 4492 on line 13282 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.
```

Mood k-sample median test

Mood k-sample median test
Pooled G3 median split across four school-choice reasons

NPar Tests

Notes

Output Created		16-JUL-2026 16:48:40
Comments		
Input	Data	D:\DATA ANALYSIS\J Nonparametric Tests\Moods Median Test\dataset.csv
	Active Dataset	MoodsMedianTestData
	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 reason_n(1,4) /STATISTICS=DESCRIPTIVES QUARTILES.
Resources	Processor Time	00:00:00.03
	Elapsed Time	00:00:00.04
	Number of Cases Allowed[a]	449389

a. Based on availability of workspace memory.

[MoodsMedianTestData]

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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
reason_n	649	2.11	1.192	1	4	1.00	2.00

Descriptive Statistics

	Percentiles 75th
G3	14.00
reason_n	3.00

Median Test

Frequencies

		reason_n course	home	other	reputation
G3	> Median	104	73	20	79
	<= Median	181	76	52	64

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Test Statistics[a]

	G3
N	649
Median	12.00
Chi-Square	22.668[b]
df	3
Asymp. Sig.	.000

a. Grouping Variable: reason_n

b. 0 cells (0.0%) have expected frequencies less than 5. The minimum expected cell frequency is 30.6.

Means

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Comments		
Input	Data	D:\DATA ANALYSIS\J Nonparametric Tests\Moods Median Test\dataset.csv
	Active Dataset	MoodsMedianTestData
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	649
Missing Value Handling	Definition of Missing	For each dependent variable in a table, user-defined missing values for the dependent and all grouping variables are treated as missing.
	Cases Used	Cases used for each table have no missing values in any independent variable, and not all dependent variables have missing values.
Syntax		MEANS TABLES=G3 BY reason_n /CELLS=COUNT MEDIAN MIN MAX.
Resources	Processor Time	00:00:00.03
	Elapsed Time	00:00:00.06

Case Processing Summary

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

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Report

G3

reason_n	N	Median	Minimum	Maximum
course	285	11.00	0	18
home	149	12.00	0	19
other	72	11.00	0	18
reputation	143	13.00	0	19
Total	649	12.00	0	19

Graph

Notes

Output Created		16-JUL-2026 16:48:41
Comments		
Input	Data	D:\DATA ANALYSIS\J Nonparametric Tests\Moods Median Test\dataset.csv
	Active Dataset	MoodsMedianTestData
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	649
Syntax		GRAPH /BAR(GROUPED) =MEDIAN(G3) BY reason_n.
Resources	Processor Time	00:00:00.64
	Elapsed Time	00:00:01.45

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

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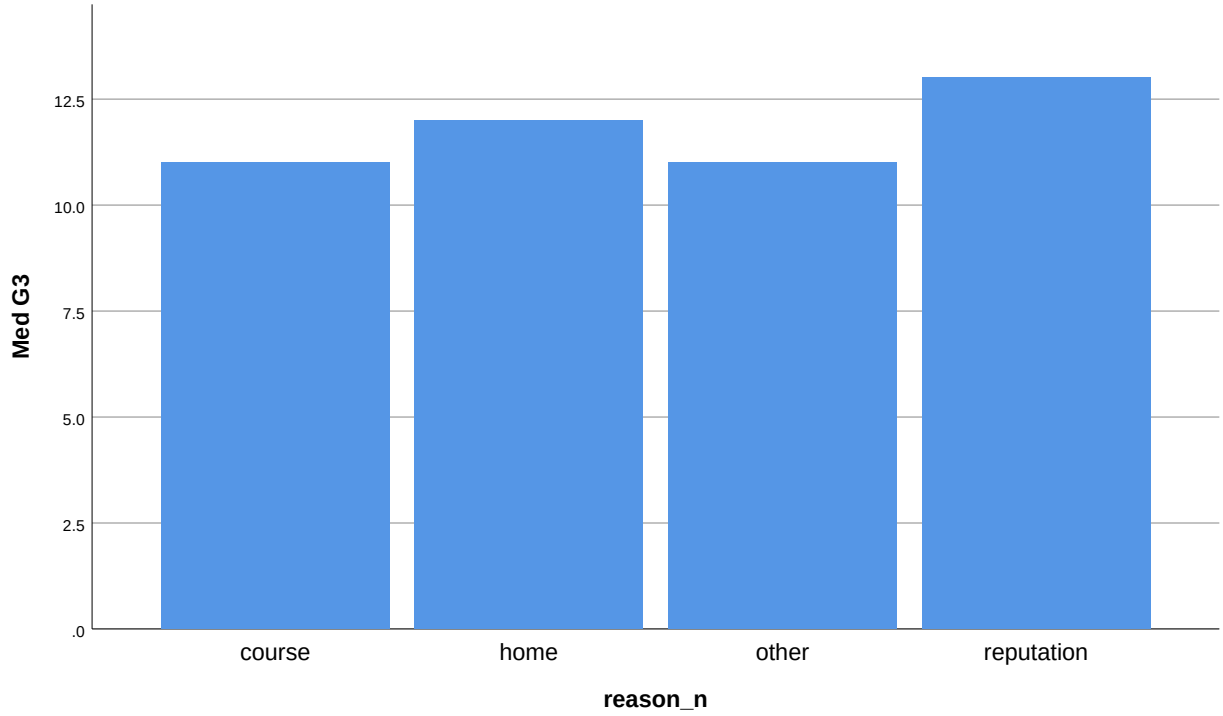


```
==========================================================================
MOOD'S K-SAMPLE MEDIAN TEST
Formula: X^2 = Pearson chi-square for k groups by above/below the pooled media
n.
Variables: G3, reason
degrees_of_freedom = 3
p_value = 4.735096147272555e-05
pooled_median = 12.0
statistic = 22.66824619653277
Cross-check status: pass
==========================================================================
```