

Quade Test

Quade Test
Test-specific data preparation and execution

>Warning # 4492 on line 13817 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.

Quade weighted complete-block test

>Warning # 2004 on line 13821. Command name: SUBTITLE

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

Quade weighted complete-block test
G1-G2-G3 within-student ranks weighted by ranked block range

RANK

Notes

Output Created		16-JUL-2026 16:50:19
Comments		
Input	Data	D:\DATA ANALYSIS\J Nonparametric Tests\Quade Test\dataset.csv
	Active Dataset	QuadeTestData
	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	All non-missing data are used.
Syntax		RANK VARIABLES=quade_range (A) /RANK INTO quade_range_rank /TIES=MEAN.
Resources	Processor Time	00:00:00.03
	Elapsed Time	00:00:00.04
Variables Created or Modified	quade_range_rank	Rank of quade_range

[QuadeTestData]

Created Variables^a

Source Variable	Function	New Variable	Label
quade_range ^b	Rank	quade_range_rank	Rank of quade_range

a. Mean rank of tied values is used for ties.

b. Ranks are in ascending order.

Quade weighted complete-block test
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NPar Tests

Notes

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Comments		
Input	Data	D:\DATA ANALYSIS\J Nonparametric Tests\Quade Test\dataset. csv
	Active Dataset	QuadeTestData
	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 /FRIEDMAN=G1 G2 G3 /STATISTICS=DESCRIPT IVES QUARTILES.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.03
	Number of Cases Allowed ^a	393216

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum	Percentiles	
						25th	50th (Median)
G1	649	11.40	2.745	0	19	10.00	11.00
G2	649	11.57	2.914	0	19	10.00	11.00
G3	649	11.91	3.231	0	19	10.00	12.00

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Descriptive Statistics

	Percentiles
	75th
G1	13.00
G2	13.00
G3	14.00

Friedman Test

Ranks

	Mean Rank
G1	1.76
G2	1.90
G3	2.34

Test Statistics^a

N	649
Chi-Square	167.328
df	2
Asymp. Sig.	.000

a. Friedman Test

Frequencies

Quade weighted complete-block test
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Notes

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Comments		
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	Active Dataset	QuadeTestData
	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=quade_range quade_range_rank /STATISTICS=MEAN MEDIAN MIN MAX /HISTOGRAM.
Resources	Processor Time	00:00:00.77
	Elapsed Time	00:00:00.89

Statistics

		quade_range	Rank of quade_range
N	Valid	649	649
	Missing	0	0
Mean		1.5162	325.00000
Median		1.0000	246.50000
Minimum		.00	45.000
Maximum		11.00	648.500

Frequency Table

Quade weighted complete-block test
G1-G2-G3 within-student ranks weighted by ranked block range

quade_range

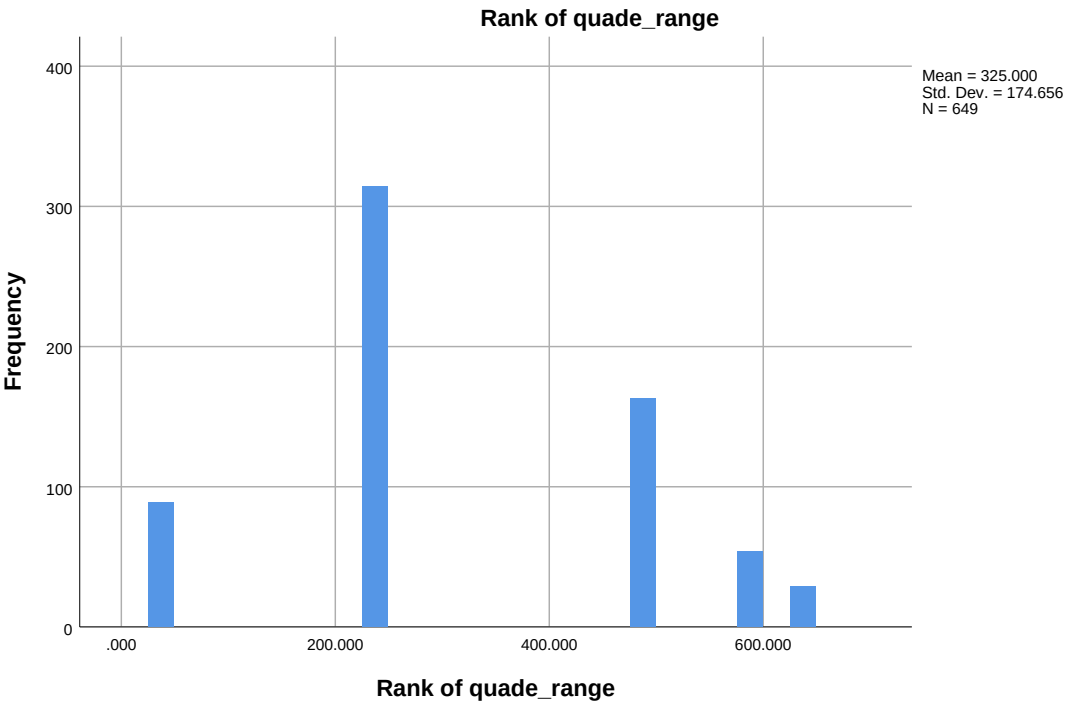
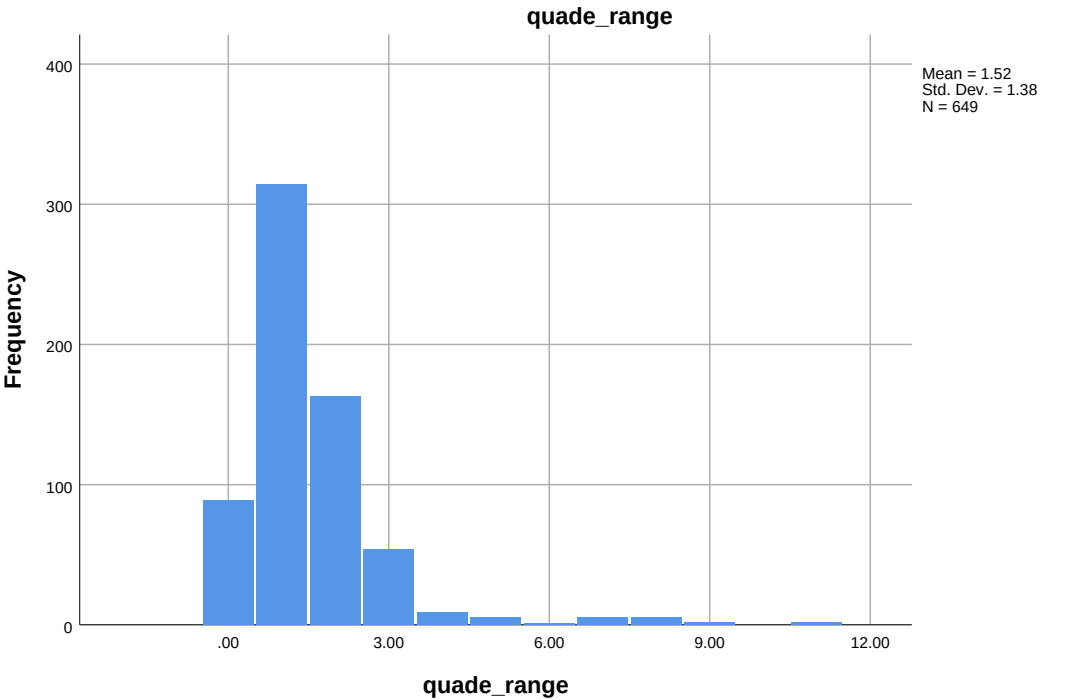
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	.00	89	13.7	13.7	13.7
	1.00	314	48.4	48.4	62.1
	2.00	163	25.1	25.1	87.2
	3.00	54	8.3	8.3	95.5
	4.00	9	1.4	1.4	96.9
	5.00	5	.8	.8	97.7
	6.00	1	.2	.2	97.8
	7.00	5	.8	.8	98.6
	8.00	5	.8	.8	99.4
	9.00	2	.3	.3	99.7
	11.00	2	.3	.3	100.0
	Total	649	100.0	100.0	

Rank of quade_range

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	45.000	89	13.7	13.7	13.7
	246.500	314	48.4	48.4	62.1
	485.000	163	25.1	25.1	87.2
	593.500	54	8.3	8.3	95.5
	625.000	9	1.4	1.4	96.9
	632.000	5	.8	.8	97.7
	635.000	1	.2	.2	97.8
	638.000	5	.8	.8	98.6
	643.000	5	.8	.8	99.4
	646.500	2	.3	.3	99.7
	648.500	2	.3	.3	100.0
	Total	649	100.0	100.0	

Histogram

Quade weighted complete-block test
G1-G2-G3 within-student ranks weighted by ranked block range



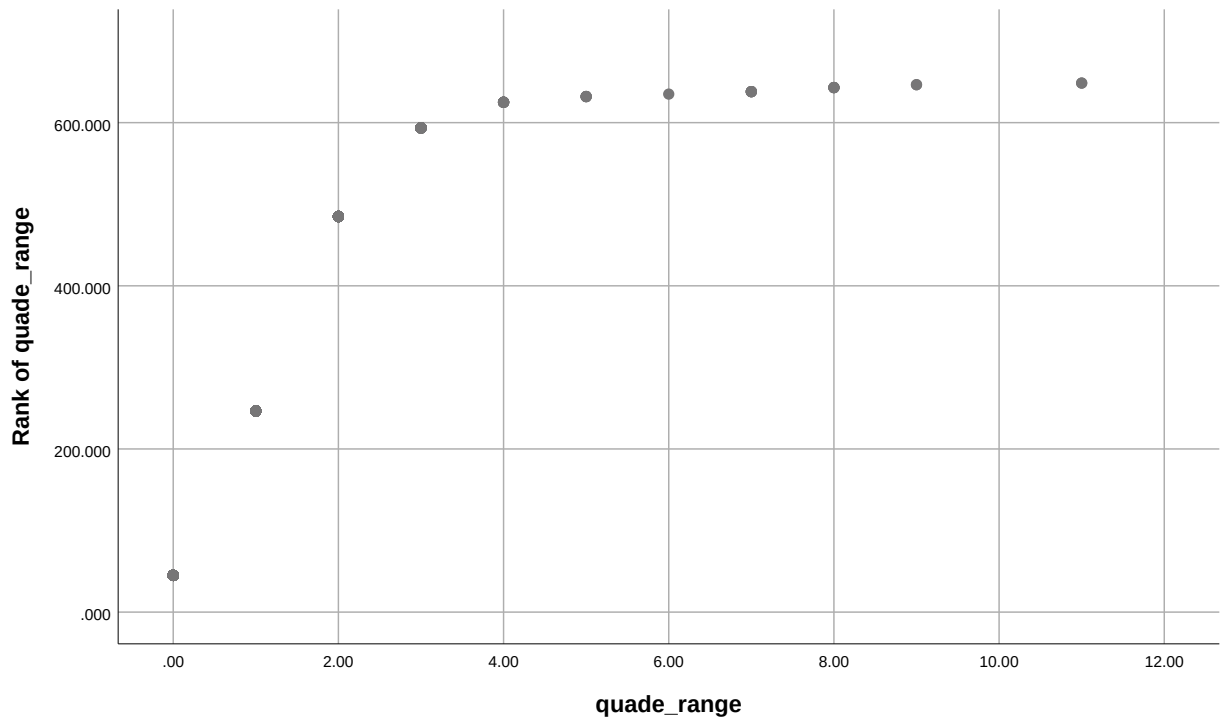
Quade weighted complete-block test
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Graph

Notes

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Comments		
Input	Data	D:\DATA ANALYSIS\J Nonparametric Tests\Quade Test\dataset. csv
	Active Dataset	QuadeTestData
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	649
Syntax		GRAPH /SCATTERPLOT (BIVAR)=quade_range WITH quade_range_rank.
Resources	Processor Time	00:00:00.61
	Elapsed Time	00:00:00.87

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```
=====
QUADE TEST
Formula: S_ij=Q_i[R_ij-(k+1)/2]; F_Q=(b-1)B/(A-B)
Variables: G1, G2, G3, student blocks
denominator_df = 1296
numerator_df = 2
p_value = 9.175119171202815e-38
quade_f = 91.14810748936087
Cross-check status: pass
=====
```