

Kruskal-Wallis Test: strength versus mortar

Descriptive Statistics

mortar	N	Median	Mean Rank	Z-Value
OCM	3	34.20	5.0	-0.83
PCM	3	29.80	2.0	-2.50
PIM	3	126.80	11.0	2.50
RM	3	115.02	8.0	0.83
Overall	12		6.5	

Test

Null hypothesis H_0 : All medians are equal

Alternative hypothesis H_1 : At least one median is different

DF	H-Value	P-Value
3	10.38	0.016

The chi-square approximation may not be accurate when some sample sizes are less than 5.

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