

# NON PARAMETRIC TEST

DA 3

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19MIY0025

COLLECTED DATA:

(GETPIVOTDATA("How important is the accelColor",						
Row Labels						
	High N\	Low NV	Medium N\	(blank)	Grand Total	
Design	1			1	2	
Design;Saftey;Technology			1		1	
Performance			6	4	10	
Performance;Design	1				1	
Performance;Design;Saftey;Technology	1	12		8	21	
Performance;Design;Technology	1				1	
Performance;Saftey			2	1	3	
Performance;Saftey;Technology			1		1	
Performance;Technology			3		3	
Saftey			1	3	4	
Saftey;Technology				1	1	
Technology			1	1	2	
(blank)						
Grand Total	4	27		19	50	

NULL HYPOTHESIS: THE COLLECTED DATA IS INDEPENDENT

ALTERNATIVE HYPOTHESIS: THE COLLECTED DATA IS DEPENDENT

Luxury cars - Excel (Product Activation Failed)

PIVOTTABLE TOOLS

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW ANALYZE DESIGN

Clipboard Font Alignment Number Conditional Formatting Styles Cell Styles Cells Editing

Maximum speed would you like to drive? (All)

GETPIVOTDATA('How important is it Co'

Row Labels High P Low N Medium I (blank) Grand Total

Design	1	1	2
Design;Safety;Technology	1		1
Performance	6	4	10
Performance;Design	1		1
Performance;Design;Safety;Technology	1	12	21
Performance;Design;Technology	1		1
Performance;Safety	2	1	3
Performance;Safety;Technology	1		1
Performance;Technology	3		3
Safety	1	3	4
Safety;Technology		1	1
Technology	1	1	2
(blank)			
Grand Total	4	27	19

Sheet1 Sheet2 Luxury cars

READY AVERAGE: 4.166666667 COUNT: 12 SUM: 50 33°C 8:21 PM 4/6/2023

## WE ARE SOLVING OUR DATA BY USING KS TEST:

> X=c(2,10,1,21,1,3,1,2,4,2,2)

> ks.test(X,"pnorm",mean(X),sd(X))

Asymptotic one-sample Kolmogorov-Smirnov test

data: X

D = 0.3481, p-value = 0.139

alternative hypothesis: two-sided

Warning message:

In ks.test.default(X, "pnorm", mean(X), sd(X)) :

ties should not be present for the Kolmogorov-Smirnov test

FROM THIS WE CAN CONCLUDE THAT THE COLLECTED DATA IS INDENEPNDENT ON THE SPEED OF THE CAR.