NON PARAMETRIC TEST

DA 3

HARISHKUMAR.S

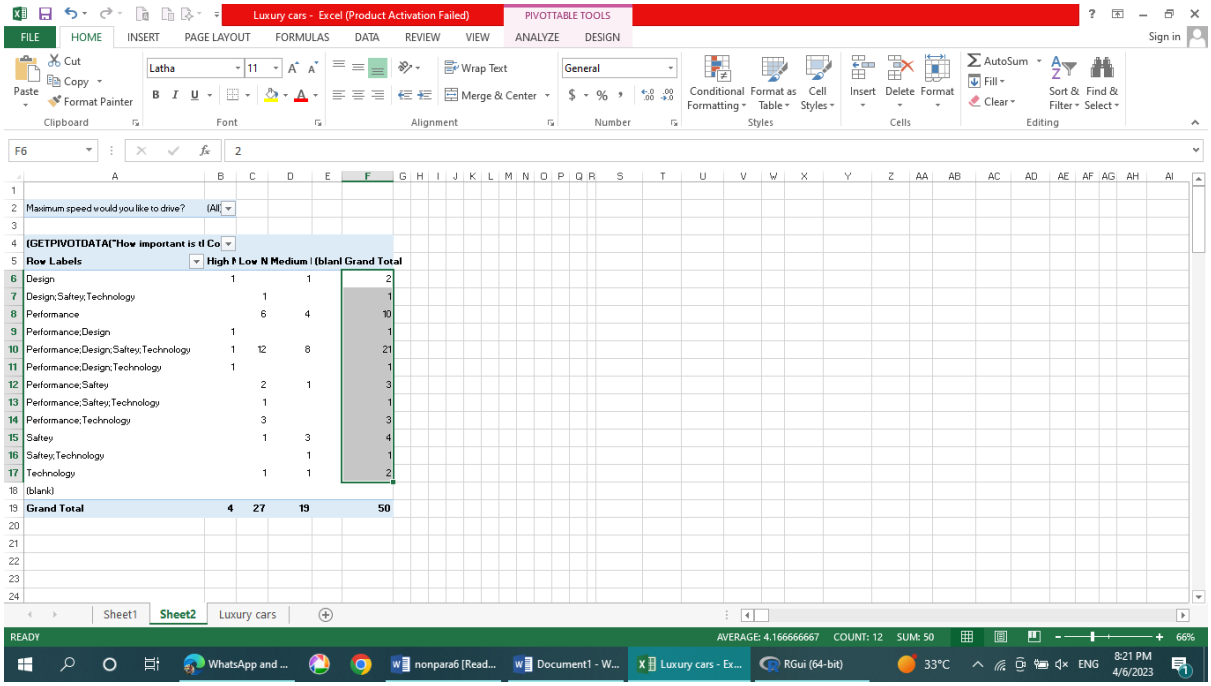
19MIY0025

COLLECTED DATA:

(GETPIVOTDATA("How important is the accel	Colur					
Row Labels	High	N\	Low	N\	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



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.