



or Researchers want to test a now anxiety medication They split participants into 3 conditions (one, some, looks) then ask them to rate their anxiety level on scale of 1-10. Are there any differences between the 3 conditions azing ac=0.02-3

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0	ng	zo mg	10012
	9	7	2 424
1	8	6	21/16
1	7	٤	2
1	8	7	2 POQ 3
	8	8	74
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HO A	8.6	do03)6270)	t an
1	7-6-	Justinagabn	

Day 1 < 5 Day 2 >

o out : avour binoson

(2) state of spand CII !-2=0.05 CI=95% (3) calculate the degree of freedom:

-> df between = 2-1 = 3-1 = 2

-> dewittin = N-a = 21-3 = 18 € a=3 -> {no. of level}

-> df Total = N-1 = 21-1=202

(4) state Decision Rule: | Blaves | 1/2/19

de between = a-1 = 3-1=2 {(2,18)} 24 within = N-a = 21-3=18

-3.8546

TIF F-test is greater than 3.5546, Reject the well hypothesis.						
4 from f-table						
-> If Flest is less than		we got this	value.			
> If Flesh is less than	-3.221	tb, Reject	the will whospersize			
Calculate F-test statistics	*		2 33 7 1302 - 31 10			
-non plantal		lonoitosa	the best of best of d			
Between 98.67 2	MZ	F-test	52-sum of squares			
2 79.89	49.34	86.56	df - degree of freedom			
within 10.29 18	5.21	21	MS Mean squares			
Total 108:96 20	941 49)	rejected if the te			
tail of the san play	ranha	الع من	stotic folls entire			
55 - Z (50.)2 mins	indzib		one side of sam			
SS between = \(\Sa_i\) \(\frac{1}{T}\)						
	12		7.16			
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diedien then we use was \$1.80 tailed typothesis.						
one bailed hypothesis. (za:) = - Eyz = nishwzz						
= \(\frac{5}{2} - \bigg[\frac{5}{2} + 4 + \frac{3}{4} + 31^{\frac{3}{4}} \bigg] \\ \frac{7}{4}						
= = = = = = = = = = = = = = = = = = = =	37 +4	+ +				
Ey2=92+82+72+88+82+92++22=853						
= 853 - [= 10, 29.						
F- Test = M3 between 49136 - 81.56						
F- Test = M36ctween = 47134 = 86.56 M3 within 0.57						
Final condusions			null hypothesis.			

86.56 > 3.5546, so we reject the null hypothesis.