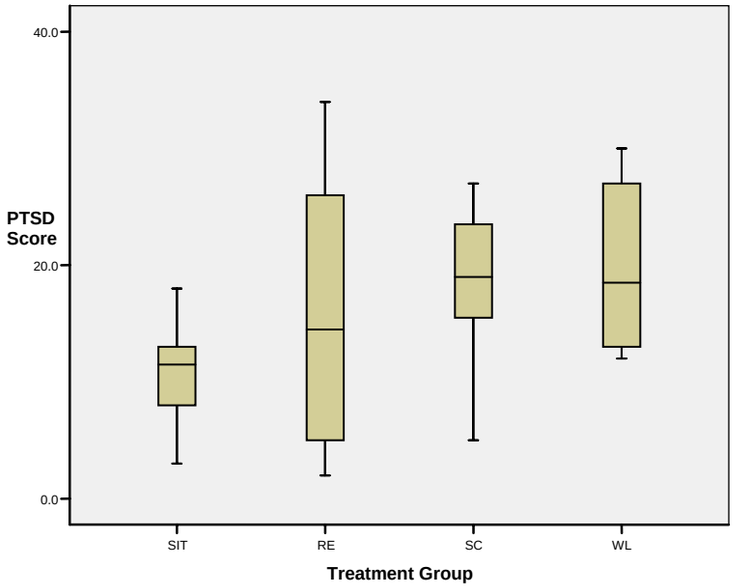
PTSD Analysis

Data Source: Foa, E. B., Rothbaum, B. O., Riggs, D. S., & Murdock, T. B. (1991) Treatment of post traumatic stress disorder in rape victims: A comparison between cognitive-behavioral procedures and counseling. *Journal of Consulting and Clinical Psychology*, *59*, 715-723.

RESPONSE: PTSD Score FACTOR: Treatment Group (k=4 levels)



Summary Statistics

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
SIT	14	11.071	3.9509	1.0559	8.790	13.353	3	18
RE	10	15.400	11.1176	3.5157	7.447	23.353	2	34
SC	11	18.091	7.1338	2.1509	13.298	22.883	5	27
WL	10	19.500	7.1063	2.2472	14.416	24.584	12	30
Total	45	15.622	7.9581	1.1863	13.231	18.013	2	34

Test of Homogeneity of Variances

PTSD Score

Levene Statistic	df1	df2	Sig.
6.633	3	41	.001

P-value = 0.001 < 0.05, so the Levene test of equality of variances between the treatment groups REJECTS the hypothesis of equal variances.

ANOVA TABLE

PTSD Score

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	507.840	3	169.280	3.046	.039
Within Groups	2278.738	41	55.579		
Total	2786.578	44			

P-value = 0.039 < 0.05 so the ANOVA-F test REJECTS the hypothesis of equal treatment means.

IS THE CONCLUSION OF THE ANOVA F-TEST CORRECT IF THE EQUAL VARIANCE ASSUMPTION IS NOT MET ?