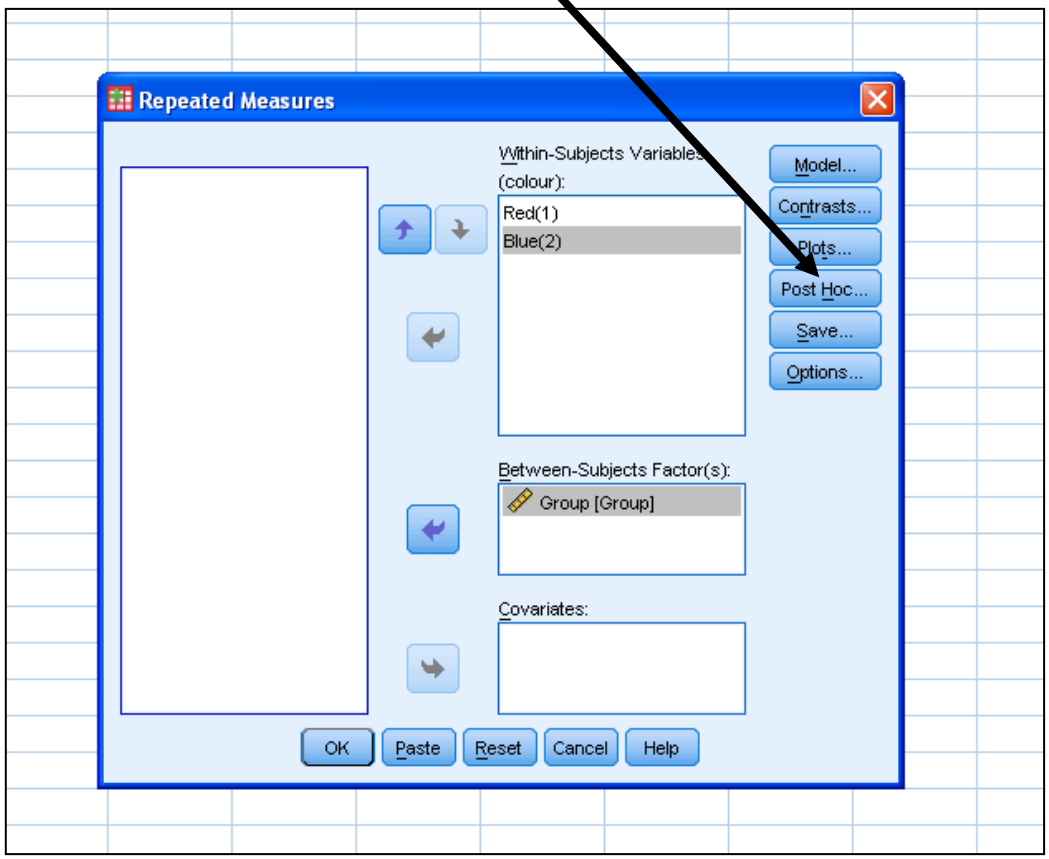
Paired Comparisons

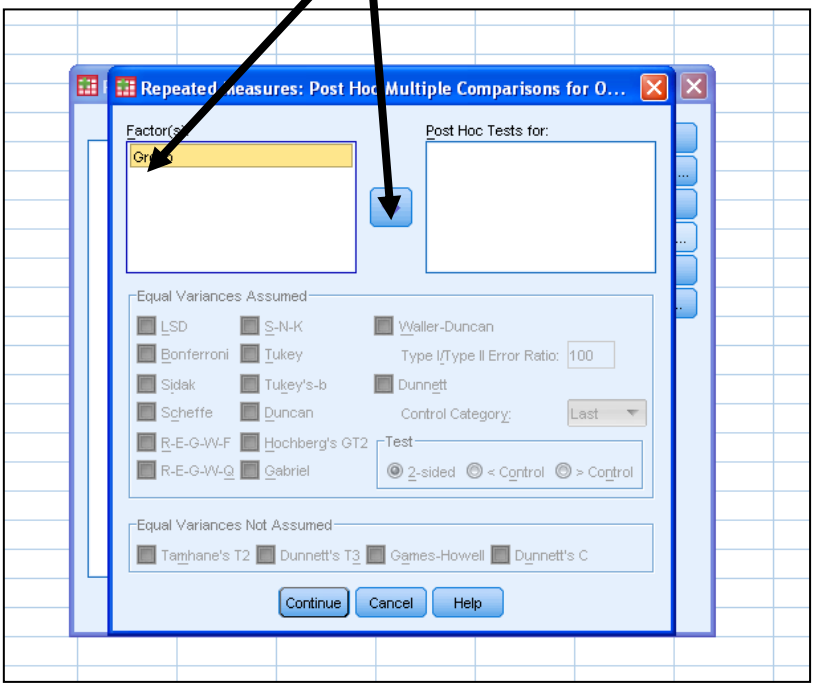
For our purposes here, paired comparisons can be divided into post hoc tests, and a priori planned contrasts.

A. Post hoc tests

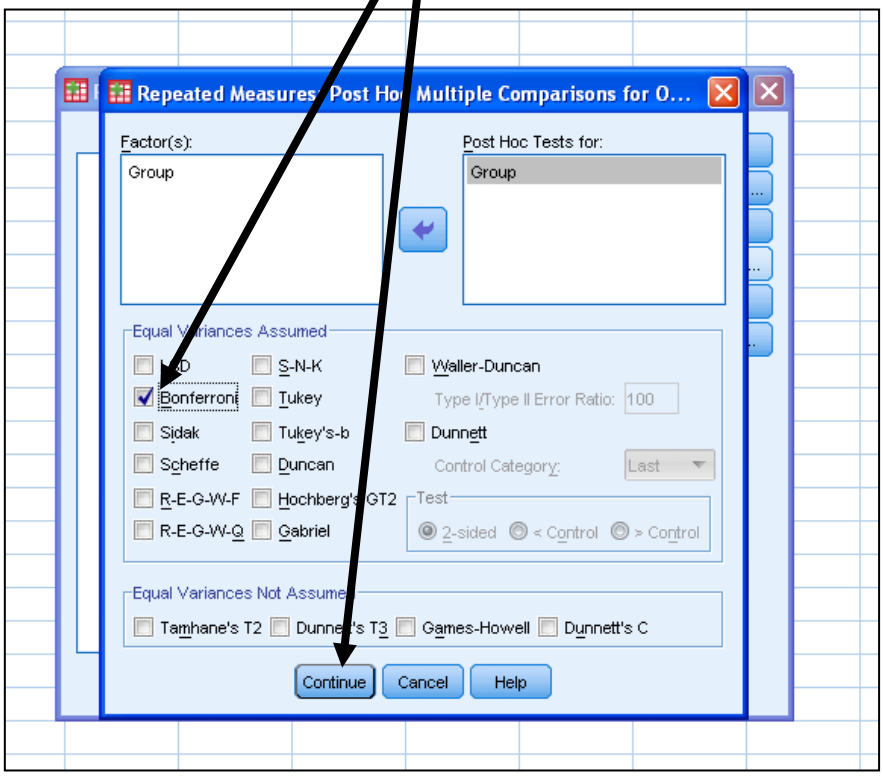
Once you are at this screen in running your ANOVA, before clicking OK, click on 'Post Hoc'



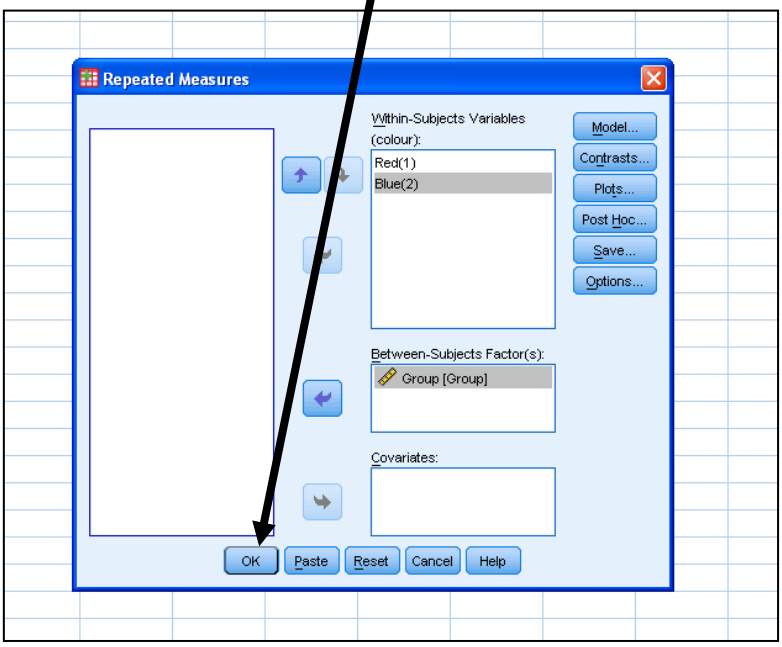
You will see the following screen. Move 'Group' to 'Post Hoc tests for



Click 'Bonferroni' and 'Continue'



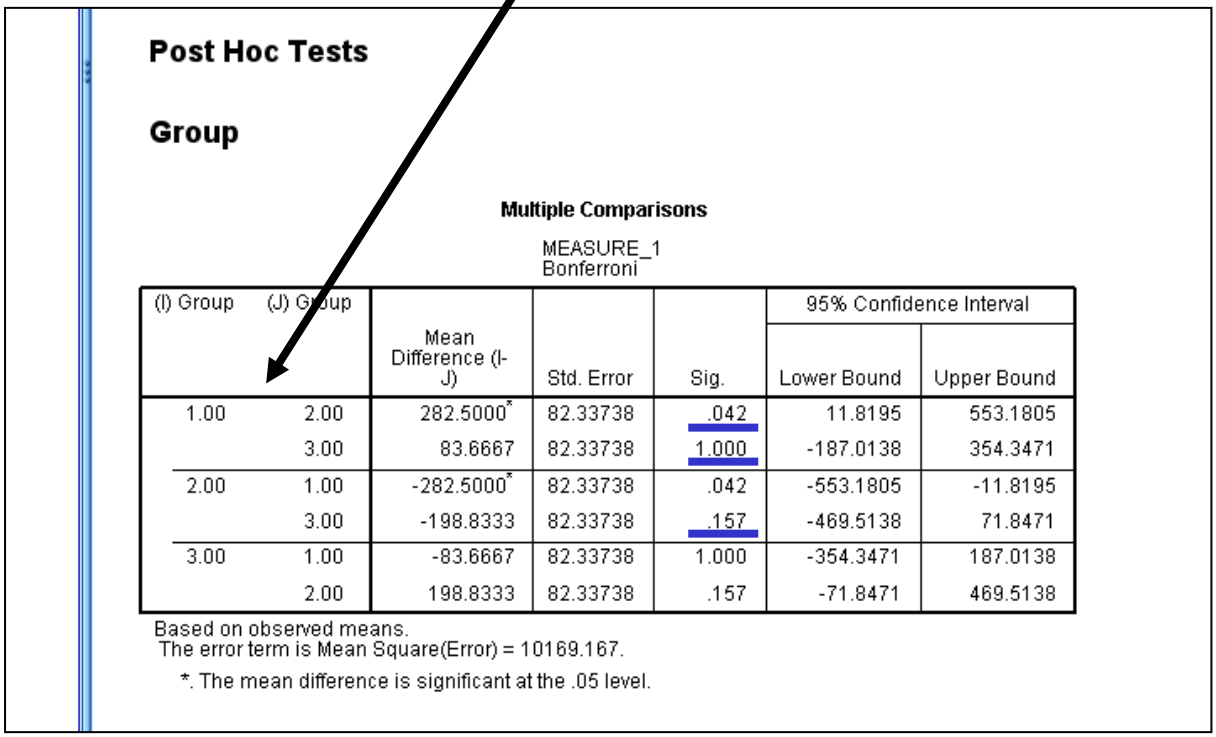
Back to this screen, when you have asked for descriptives and plots as normal, click OK



The Output

On bottom part of the output, you will see this table

You will see comparisons between groups 1 and 2, groups 1 and 3 and groups 2 and 3



Post Hoc Tests

Group

Multiple Comparisons

MEASURE_1
Bonferroni

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
1.00	2.00	282.5000*	82.33738	.042	11.8195	553.1805
	3.00	83.6667	82.33738	1.000	-187.0138	354.3471
2.00	1.00	-282.5000*	82.33738	.042	-553.1805	-11.8195
	3.00	-198.8333	82.33738	.157	-469.5138	71.8471
3.00	1.00	-83.6667	82.33738	1.000	-354.3471	187.0138
	2.00	198.8333	82.33738	.157	-71.8471	469.5138

Based on observed means.
The error term is Mean Square(Error) = 10169.167.

*. The mean difference is significant at the .05 level.