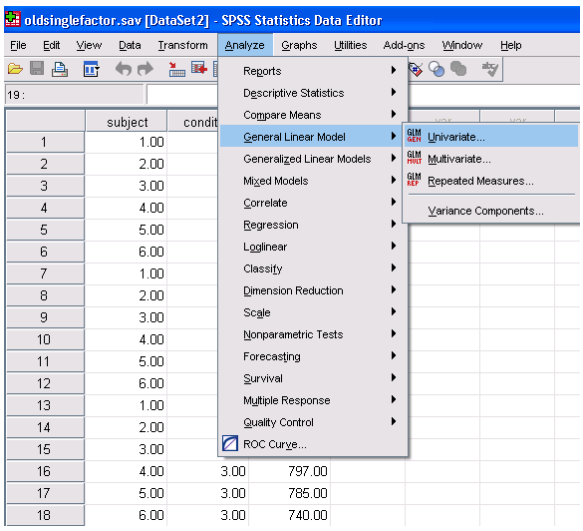
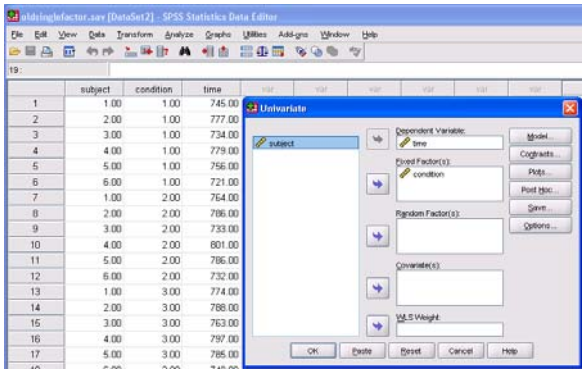
Lab 11/18/2009

1. Conduct a “regular” ANOA with “oldsinglefactor.sav” data set.

- Analyze
  - General Linear Model
    - Univariate





- Complete tables below

Between-Subjects Factors

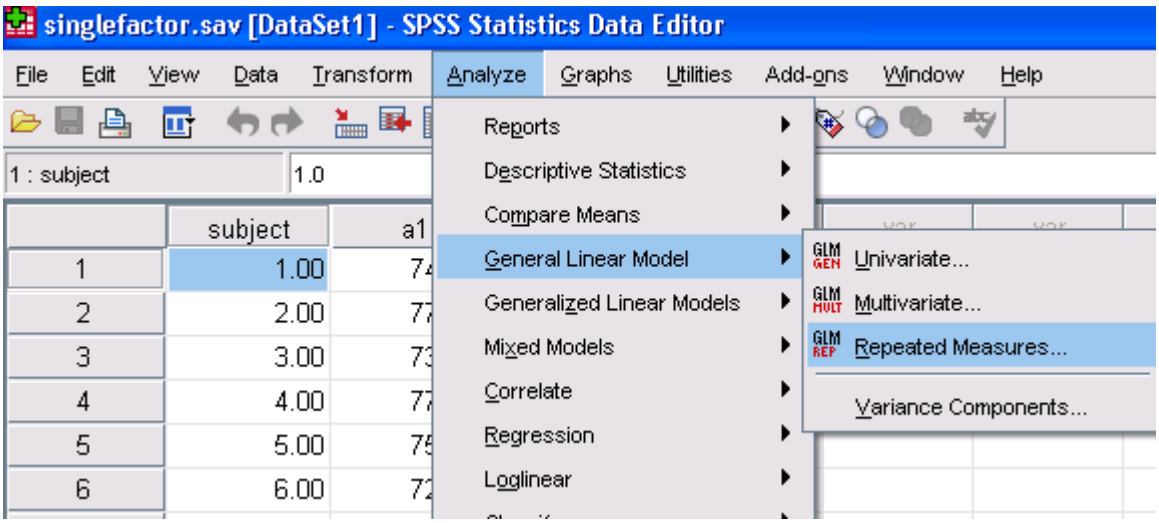
		N
condition	1	
	2	
	3	

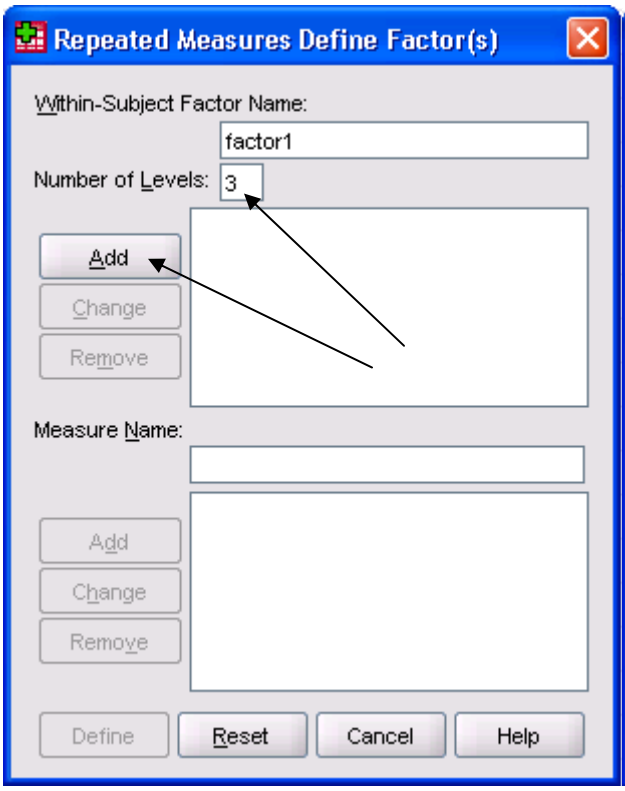
Tests of Between-Subjects Effects

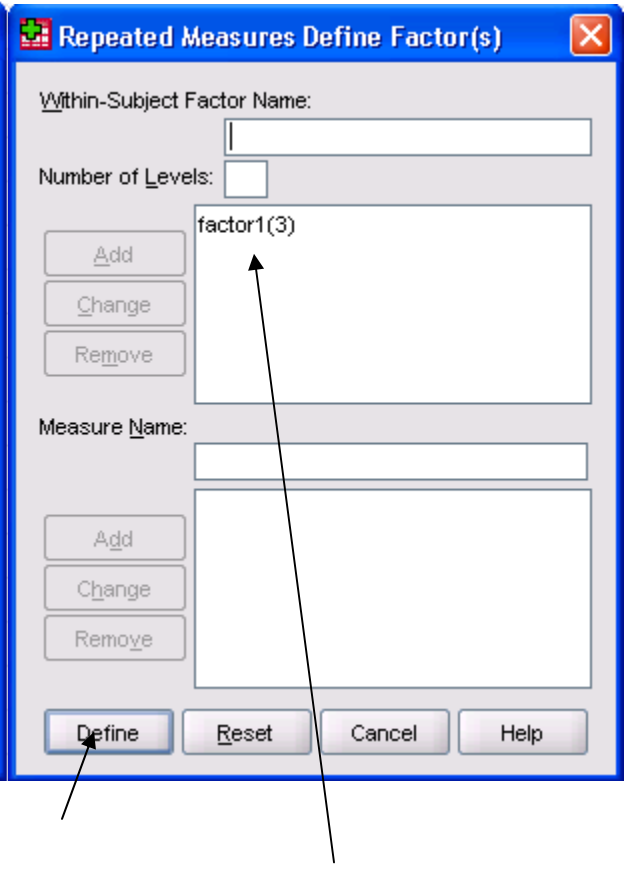
Dependent Variable:time

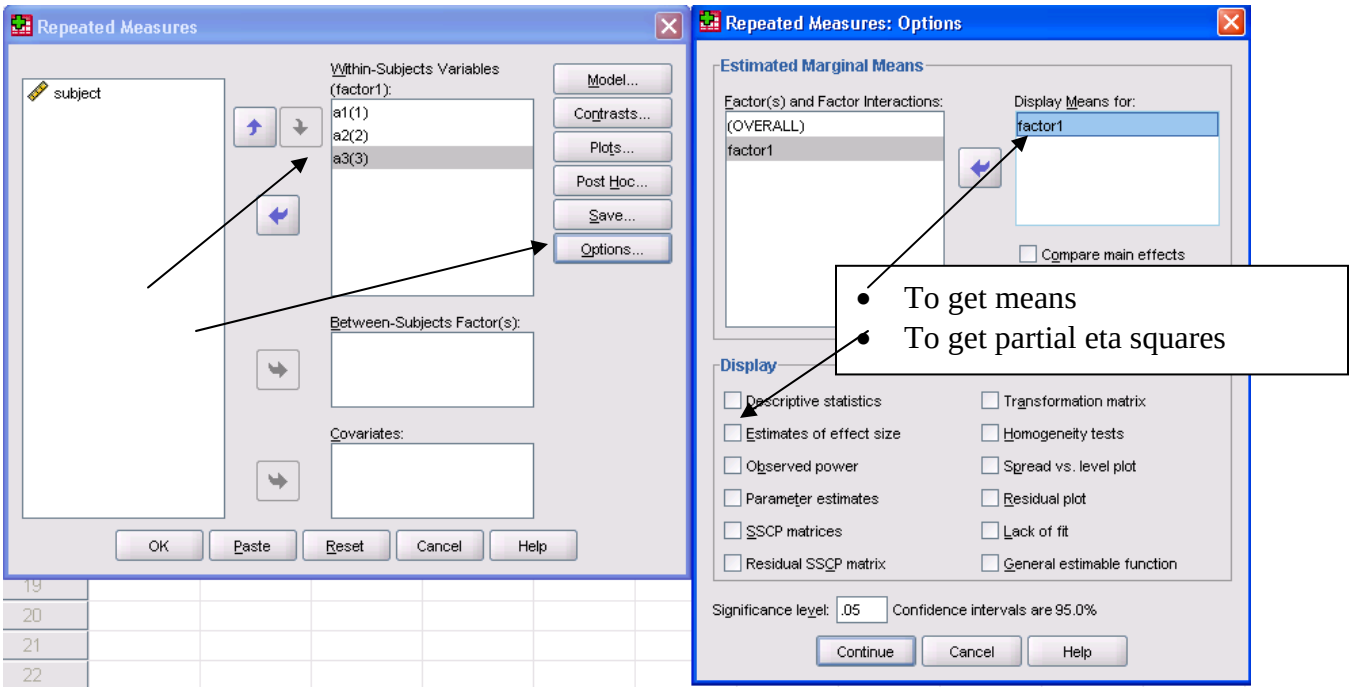
Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	1575.00[a]	2	787.50	1.30	0.30
Intercept	10520284.50	1	10520284.50		0.00
Condition	1575.00	2			0.30
Error					
Total	10530953.00	18			
Corrected Total	10668.50	17			

2. Conduct a repeated ANOVA with “singlefactor.sav” data set.

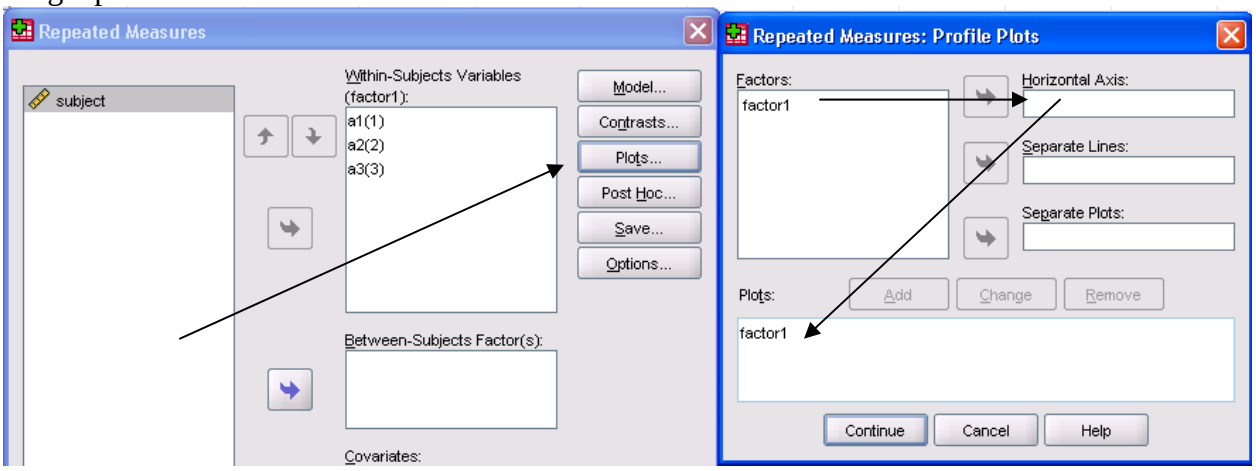








To get plots

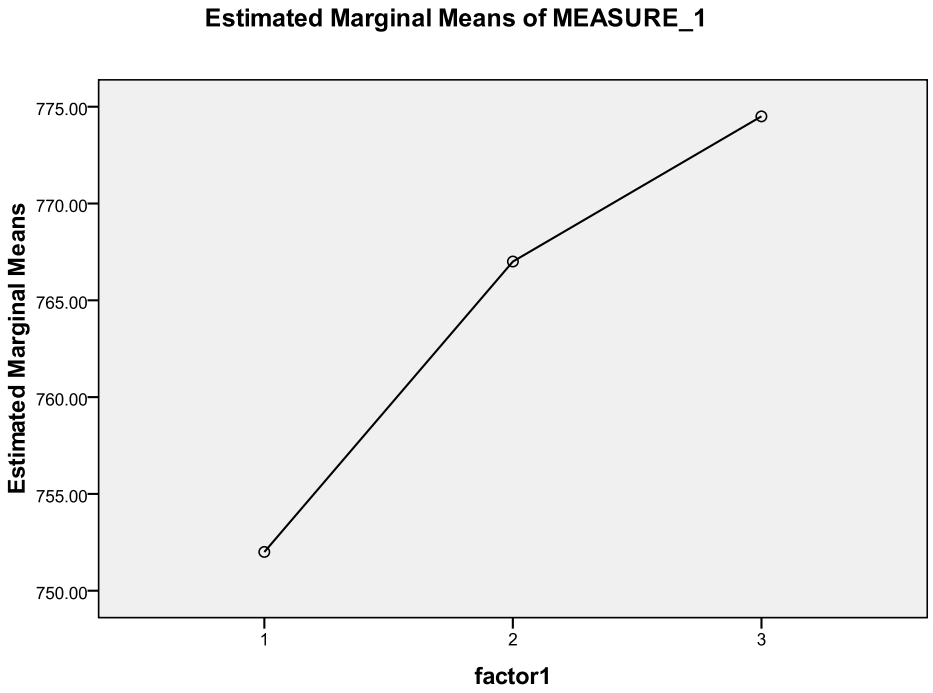


(1) Sphericity test: Based on the results below, does sphericity assumption meet?

Mauchly's Test of Sphericity[b]

Measure:MEASURE_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon[a]		
					Greenhouse-Geisser	Huynh-Feldt	Lower-bound
factor1	.758	1.108	2	.575	.805	1.000	.500



(2) Which mean square and p values would you include in your report? Why?

Tests of Within-Subjects Effects

Measure:MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
factor1	Sphericity Assumed	1575.000				
	Greenhouse-Geisser	1575.000	1.610	978.061	14.432	.003
	Huynh-Feldt	1575.000	2.000	787.500	14.432	.001
	Lower-bound	1575.000	1.000	1575.000	14.432	.013
Error(factor1)	Sphericity Assumed	545.667				
	Greenhouse-Geisser	545.667	8.052	67.771		
	Huynh-Feldt	545.667	10.000	54.567		
	Lower-bound	545.667	5.000	109.133		