

Repeated-Measures ANOVA Example

Surface			Phonemic			Semantic		
12	9	7	16	13	16	18	16	18
10	5	8	12	9	10	14	15	20
8	7	9	17	13	17	15	17	17
10	4	13	13	8	15	18	12	20
10	9	7	15	11	9	16	13	15
9	4	7	12	7	10	10	14	17
13	12	3	13	14	6	17	15	9
9	7	11	17	13	11	19	16	10
10	10		14	11		15	15	
$\bar{X}=8.58$			$\bar{X}=12.38$			$\bar{X}=15.42$		

Repeated-Measures ANOVA Example

- $H_0: \mu_{\text{surface}} = \mu_{\text{phonemic}} = \mu_{\text{semantic}}$
- $H_1: \text{not } H_0$
- $\alpha = .05$

PASW

- Either load or enter the data
 - <http://academic.udayton.edu/gregelvers/psy216/spss/Chap14Data.sav>
 - or
 - Variable view
 - Create three variables, one for each level of the factor – Names: surface, phonemic, semantic
 - Make sure the Measure is Scale for all
 - Data view
 - Type the data (see slide 10 of chapter 14 lecture)