SPSS TEST VERSION B

1. You will read about a fictitious survey.

2. You will answer questions about how to enter the data into SPSS

3. I will show you screenshots that you will have to answer questions about

4. You need to be VERY familiar with two-way mixed ANOVAs, post hoc tests, and tests of simple main effects

5. You need to be VERY familiar with Shapiro-Wilks test of normality and chi-square contingency tests

Sample Questions

Which variables on the survey need to be coded?

Which factor is between subjects and which is within?

You will be shown different screen shots throughout and asked things like: what do we click on next? What number goes here?

Do we need to select "Post hoc" for the analysis you are working on now? Explain your answer

Do we need to select "EM means" for the analysis you are working on now? Explain your answer.

Sample Questions

You will be shown the output of a two-way mixed ANOVA and asked questions like:

What is Levene's F equal to? Is it significant? Does the assumption hold true?

What is the F value equal to for each main effect and the interaction effect?

Regardless of whether the post hoc test for the within-subjects factor was necessary, explain which group was significantly higher or lower from the other group(s). If no significant difference were found anywhere, say so.

Sample Questions

You will be shown a graph of cell means. Use the "refined" overlapping non-overlapping error bar rule you learned about to see which mean is probably different from which.

You will be shown the results output of a "test for normality" and asked questions like: what does the TS equal? Is it significant? Are scores probably normally distributed in the population?

You will be shown the results output of a chi-square test and asked questions like: which type of chi-square test was run, is the test significant, what can we conclude from the test results?