# Lab #7

Profile Analysis

Copy and paste any results and write out your answers in the space provided.

## SPSS

1. Open “lcaexample.sav”.

1.a. Go to Analyze 🡪 General Linear Model 🡪 Repeated Measures. “Within-subjects factor name” put “math” and in “Number of levels” put 6 🡪 Define.

1.b. Move female into between subjects and everything else into “within subjects variables”. 1.c. Click on contrasts and note that it is set to polynomial (what does that mean?)

1.d. Click on plots and give me a plot of math\*female 🡪 continue.

1.e. Click on options and include everything in display means for, select descriptive statistics, estimates of effects size, and homogeneity tests 🡪 continue and OK.

**HIGHTLIGHT HERE AND CPAI OUTPUT FOR #1**

1. Open the “forclass.sav”.

2.a. Do any needed data screening.

2.b. Go to Analyze 🡪 General Linear Model 🡪 Repeated Measures. In “Within-subjects factor name” put “prsnalty” and in “Number of levels” put 5 🡪 Define.

2.c. Move gender and ethn into between subjects and n, e, o, a and c into “within subjects variable”.

2.d. Click on contrasts and change prsnalty from polynomial to none 🡪 continue.

2.e. Click on plots and give me a plot of prsnalty\*gender\*ethn 🡪 continue.

2.f. Click on options and include everything in display means for, select descriptive statistics, estimates of effects size, and homogeneity tests 🡪 continue and **OK**.

**HIGHTLIGHT HERE AND CPAI OUTPUT FOR #2**

2.g. Write an APA style results section including a plot for each significant effect (flatness, equal levels and/or parallel profiles; Hint: this may be easier to do through excel)

1. Redo the complete profile analysis of the book example using SPSS. Follow all of the same steps and include **simple effects, simple contrasts and interaction contrasts** through SPSS syntax (do it for agemate even if it is not significant). Copy, paste, annotate and interpret the results

**HIGHTLIGHT HERE AND CPAI OUTPUT FOR #3 (INCLUDE SYNTAX OF MODEL)**