**IME Chapter 12 Suggested Assignments**

Relates to **Suggested Assignments** in IME p. 250

1. Compare males and females on a self-assessment of performance anxiety. Then construct a measure to document the severity of performance anxiety experiences, such as sweaty palms, quickened pulse, etc. Sum together responses on the questions for each individual to get an overall score. Using the SPSS instructions above, calculate an ANOVA, with gender being the independent variable, and performance anxiety being the dependent variable.
2. Design an experiment, such as jumping large/small, heavy/light origami frogs as described in *Activity-Based Statistics* (Schaeffer, Watkins, Witmer, & Gnanadesikan, 2004). Using the SPSS instructions above, calculate an ANOVA with the student-gathered data.
3. Describe how Christy’s research topic (see Chapter 10) or that of Isaac or Keisha in this chapter (or any of the other students in RC533) might be re-imagined as a difference study. In each case, decide whether ex post facto or experimental research would best address the research question and explain your answer.
4. Descriptively or through the use of an ANOVA, use a demographic grouping variable of your choosing (such as grade, instrument, or gender) to compare the achievement of your students on an achievement or classroom test.