Psychology 8031

Assignment 3 – Due September 27 by the start of class

Using ‘Assignment 3 Data.sav’

Dataset includes:

id: participant ID

age: participant age

POSTREAD: Post-intervention reading test scores (higher scores indicate better performance)

PREREAD: pre-intervention reading test scores

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IQ: intellectual functioning

MATH: pre-intervention math scores

PEERFCN: peer functioning

FAMFCN: family functioning

GROUP: Reading intervention Group

* 1: Both Group and Individual interventions
* 2: Individual intervention, only
* 3: Group intervention, only
* 4: No Intervention

Examine whether the intervention influenced post-treatment reading scores:

1. Examine this influence of the intervention without considering the role of any other factors.
   1. Conduct the analysis using:
      1. The intervention group as a factor variable
      2. Dummy codes for the intervention group variable
      3. Recode the variable so that you can recover all pairwise comparisons between the groups.
      4. Show that the results are equivalent.
2. Examine the influence of treatment condition when considering the role of pre-treatment reading, participant age, and intellectual functioning scores.
3. For 2, produce tables and summarize the results as if you \*actually\* cared about the results (i.e., write up as a results section). Be sure to include information about interpreting the model, as well as individual parameters/variables.