**Two-way Within Subjects ANOVA Homework**

“The road to hell is paved with good intentions”

This study investigated the impact of actor *intentions* and the actual *outcome* of their behavior on moral judgements. Participants read four vignettes that varied that intent of the actor (positive or negative) and the actual outcome the actor’s behavior (positive or negative). The order of the vignettes was counterbalanced across participants. For each vignettes the participant rated how moral or immoral of a person the actor was from -5 (very immoral) to 5 (very moral). The researchers hypothesized that when the actor’s intentions were negative the actual outcome would not matter, people would rate the negatively intentioned actor equally immoral regardless of the actual outcome. In contrast, when the actor’s intentions were positive, then the actual outcome would matter, people would rate a positively intentioned actor as less moral when the outcome was negative compared to when the outcome was positive.

See CSV file for data. (Note: 1 = Positive and 2 = Negative in both conditions)

**Write-up your conclusions adhering to the basics of APA-style. Short intro, methods, and results.**

* 1. **Introduction**: Remind the reader what the study’s goals or central questions are in words before plunging into the details of analysis.
  2. Tell the reader what kind of analysis was conducted: be sure to implicitly identify both the independent and dependent variables when describing analyses.
  3. **Method**: In the methods section carefully explain which follow up tests you will be doing:
     + 1. State which you are doing (planned, unplanned, simple effects, etc) and for which factors (main effects, interaction).
          1. Justify if you are correcting alpha/pvalue in anyway (you are free to correct or not but you must defend your choice).
       2. Don’t forget to reference all r packages you are using and version numbers.
  4. Present the statistical results, using full sentences, reporting the test statistic, and using the correct formatting for an F-test. (*Effect size required for Main effects and interactions*)
  5. Report the follow up tests (*Effect sizes optional if struggle with the code*)
  6. Explain in plain english the direction of differences between significantly different groups --in other words, do not merely use the word “different,” instead be sure to use words such as “was higher than,” or “was lower than,” “less,” or “more”.
  7. Single-space *[APA is double, lets save the trees].*
  8. Create a figure and reference it in text.
  9. Give us the complete R script you used to generate the results.