

Psych 8031 Assignment 6
Due 10/16 at 5 PM

Data come from a study examining the manner in which sleep problems result in aggression. The study investigators collected the data, but have no idea how to analyze their data.

The collected data are:

Aggression:

- a self-report measure of interpersonal aggression
- higher values reflect higher levels of aggression

Cogcon:

- a behavioral task assessing cognitive control/executive functioning
- higher values reflect higher levels of cognitive control

Sleep problems:

- A self-report measure of sleep
- Higher values reflect greater sleep problems

Provocation:

- A self-report of the number of interpersonal provocations in the past 2 weeks
- Higher values reflect greater numbers of provocations

In their descriptions of their expectations with you, they say that the relationship between sleep and aggression is accounted for by cognitive control. Moreover, they think that the relationship between sleep and cognitive control will be stronger for those who are provoked more often. Lastly, they think that those possibilities occur simultaneously.

Based on this description from the investigators:

1. Draw the figure that they want you to test.
2. Test the full model in one analysis. Present the full write-up of the analysis, including relevant tables.