67. Data Analysis Project 3: Distracted Driving Study

Use the description below of this study and the data set indicated to answer the research questions listed. You will need to use both descriptive and inferential statistics to complete this project. You can download the SPSS data file Analysis_project_3.sav from http://psychology .illinoisstate.edu/jccutti/StatsDataFiles/Analysis_project_3.sav for the analyses. Write an APA-style results section based on the analyses you conducted.

Research Project Description

This study investigated the effects of distractions while driving. Participants were asked to drive a car around a test track of orange cones. Two types of distracting activities were tested: One group of drivers conducted a conversation on a cell phone while driving the course, the other group were asked to eat a Big Mac value meal (Big Mac, fries, and a drink) while driving the course. Both the average driving speed and the number of orange cones knocked over were measured.

The researchers (pretend that's you) are interested in several questions:

- Is there a difference between eating and talking on a cell phone for average speed?

- Is there a difference between eating and talking on a cell phone for the number of cones knocked over?

- Is average speed related to number of cones knocked down?

Data Set Details

- **subject:** This refers to the subject number assigned to each subject. Each row corresponds to one subject's data.

- **distrac:** This variable refers to which condition each subject was in (1 = eating, 2 = cell phone).

- **speed:** This variable refers to the average driving speed.

- **cones:** This variable refers to the total number of cones knocked over.