66. Data Analysis Project 2: Teaching Techniques 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_2.sav from http://psychology .illinoisstate.edu/jccutti/StatsDataFiles/Analysis_project_2.sav for the analyses. Write an APA-style results section based on the analyses you conducted.

Research Project Description

This study investigated the effect of teaching technique on measures of learning and interest in the topic. Two sections of a sociology course received different teaching formats. One section experienced a traditional lecture format while the second section was taught with a combination of lectures, web-based activities, and in-class exercises. Learning of the course material was measured by the grade on the final exam and interest was measured with a topical interest scale developed by the researcher.

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

- Is there a difference between the two teaching formats in learning of the material?

- Is there a difference between the two teaching formats in interest in the material?

- Is learning related to interest in the topic?

Data Set Details

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

- **teach**: This variable refers to which condition each subject was in (1 = lecture only, 2 = mixed).

- **learn**: This variable refers to the learning of the material.

- **interest**: This variable refers to the interest in the topic.