

Research and Statistics for Educators Correlation Assignment for Online

- Choose two sets of data and label and/or explain what they represent. The data can be either ratio/interval/ or ordinal.
- Offer a rationale as to: (1) why you are interested in their possible correlation and (2) why you believe they may or may not be correlated.
- Correlate the data (at least 15 scores). Submit the Excel worksheet and place a table of the data in the Word document.
- Determine if the correlation is or is not significant. Make sure to state the level of significance ($p < 0.05$, $p < 0.01$)
- Offer a specific rationale why significance was or was not present.

Correlation Project Rubric

- _____ Data sets were appropriately chosen.
- _____ Data sets involved at least 15 scores.
- _____ Data sets were clearly labeled and/or explained.
- _____ Both interest in and reason for possible correlation was thoughtfully stated.
- _____ The correlation was calculated correctly using Excel
 - _____ Pearson or Spearman was indicated
 - _____ The correlation was analyzed correctly
- _____ The table was included
 - _____ The table was titled and numbered
 - _____ The table was inserted in an appropriate place
- _____ The significance level of the correlation was stated.
- _____ A rationale for significance or lack of significance was thoughtfully presented.
- _____ The assignment was handed in on time.
- _____ The format of the assignment was neat, well organized, and presented in report format using appropriate technology.
- _____ Appropriate headings were used
- _____ The assignment demonstrated careful attention to the mechanics of writing