CEPC 0904
Professor Jack Hester
Due July 25, 2021 at 11:59pm EDT

Homework 5 — Question to Hypotheses

20 points
Submission link: *https: // canvas. brown. edu/ courses/ 1085057/ assignments/ 7835264*
Submit as a Word document or PDF

Use this version of the assignment if you're doing *quantitative* analysis. If you're doing qualitative analysis, make sure you use that version (see https://cepc-0904.jackhester.com/documents/homework/hw5_qualitative.pdf).

Restate your research question, it should be in pretty good shape now:

Now, state the variables in your data set. You should say what the outcome variable is and then list your predictor(s). Also, say what kind of variables they are: categorical or continuous?

What kind of statistical test or numerical analysis seems most appropriate with this data set in mind? Think back to the statistical tests we learned over the last few days. If you have an analysis method you've learned outside of this class that you'd like to use, please state that here. If you feel like you can't fit one of the methods you know or learned in this class, please reach out and we can figure out how to fit your question and data to one of the tests or choose a different method if appropriate and you're comfortable with it. State the test/method you're hoping to use and related assumptions.

With your statistical test now in mind, form some formal hypotheses (a null hypothesis and an alternative hypothesis, and if you need a refresher on hypotheses take a look at statistical test notes here: https://cepc-0904.jackhester.com/documents/lecture_notes/stats_guide.pdf). If you are using a method you've learned outside of this class, your hypothesis(/es) can take a different form if appropriate, but if you aren't using this format you need to provide some way of evaluating the effectiveness and accuracy of your tests/method.