

### **Homework 3: Experiment Design**

For this homework assignment, you will begin designing an experiment that addresses a falsifiable research question. The goal of assignment is to aid you in writing the methods section of your final project. You may complete this assignment in groups. Please add all group member names and PIDs to the top of your assignment.

**Deadline for submission: Friday, August 30<sup>th</sup> at 11:59 PM**

- Submit assignment on Canvas
- Assignment is worth 10 points (10% of grade)

#### Assignment Guidelines

Answer the following questions:

1. What is your *specific* research question?
2. Who are the participants in your experiment?
3. How many participants will you run?
4. What are your experimental stimuli? Why did you design them in this way?
  - *Try to include drawings, or you may adapt stimuli from another study.*
5. What is your experimental procedure? Why did you design it in this way?
  - *If possible, try to include figures (e.g. a drawing that shows the configuration of equipment and participant in the testing room)*
6. What are your conditions?
7. What is your dependent variable? How is it operationalized?