

## ACTIVITY 1

**PART D** – Tuesday, February 5

**Due:** Thursday, February 7

**Instructions:** A hard copy of Activity #1 is due on Thursday of this week. You will be given the activity in parts; but it is your responsibility to be organized and turn in the activity in its different parts.

- 1) Work with a partner to answer the following question. Your topic is “voting”.  
Using this topic, answer the following:
  - a. Who is your partner?
  - b. What research question did you agree upon?
  - c. Develop a hypothesis connected to this question.
  - d. What is the causal mechanism in the hypothesis?
  - e. Identify if the hypothesis is directional or nondirectional.
  - f. Write out the null hypothesis.
  - g. Identify the independent variable in the hypothesis.
  - h. Identify the dependent variable in the hypothesis.
- 2) Using your hypothesis that you developed in 1C, answer the following:
  - a. How would you operationalize the independent variable?
  - b. How would you operationalize the dependent variable?
- 3) Work with a partner and use the Excel data to answer the following questions:
  - a. How many variables are listed in this dataset?
  - b. How many cases or observations are listed in this dataset?
  - c. What are the cases or observations?
  - d. What is the full name of the voter listed in cell B3?
  - e. How many Democrats are in the data?
  - f. How many *more* people voted in 2018 versus 2016?
  - g. How many rallies did these voters attend in 2018?
  - h. How many *more* rallies did voters attend in 2018 versus 2016?