

POS 4734: HW #1

Instructions and Information: Answer each question in a new document, and show your work where applicable. Present exercises in numerical order, and label your answers clearly.

1. Which of the following variables is ordinal?
 - (a) Vote choice
 - (b) Salary in dollars
 - (c) Military rank
 - (d) Religion

2. Which of the following would NOT be a good 'operationalization' of the concept of a nation's wealth?
 - (a) Average income
 - (b) GDP
 - (c) GDP per capita
 - (d) Price of oil

3. What is the first step in the scientific method?
 - (a) Propose a hypothesis
 - (b) Make an observation
 - (c) Test the prediction
 - (d) Make a prediction

4. What is NOT a requirement for a variable?
 - (a) It must be measurable
 - (b) It must vary
 - (c) It must derive from the concept
 - (d) It must be difficult and complicated

5. When performing OLS which variable must be continuous?

- (a) Control variable
- (b) Independent variable
- (c) Dependent variable
- (d) X variable

6. Below are three potential political science research questions. Look at these questions and write out one hypothesis for each that would predict/explain this question. Remember to use the PICO method. (Just the alternative hypotheses, you do not need to write the null)

- 1) Support for 'Brexit' among British voters.
- 2) Members of Congress voting against their party.
- 3) Timing of announcements of Presidential campaigns.