Optional Assignment: Independent and Dependent Variables Answers

1. “Put crudely, richer people vote Republican more than poorer people.”

2. Women who run for elective office have higher levels of self-esteem than women who do not run for elective office.

3. The greater the percentage of college graduates in a state, the greater the percentage of women in the state legislature.

4. The more trees there are in a municipality, the lower the crime rate will be.

5. States that spend more money on education have higher average SAT scores than states that spend less money on education.

6. Basketball players who practice more often have a better shooting percentage than players who practice less often.

7. People who have higher incomes tend to spend more money on food.

8. People with more education tend to make more money than people with less education.

9. People who eat more Big Macs tend to weigh more than people who eat fewer Big Macs.

10. State legislators from less professional legislatures have more contact with their constituents than legislators from more professional states.
Optional Assignment: Independent and Dependent Variables Answers

   Independent variable: personal wealth
   Dependent Variable: Likelihood of an individual voting Republican

2. Women who run for elective office have higher levels of self-esteem than women who do not run for elective office.
   Independent variable: Individual level of self-esteem
   Dependent variable: whether a woman runs for office

3. The greater the percentage of college graduates in a state, the greater the percentage of women in the state legislature.
   Independent variable: The percentage of women in a state legislature
   Dependent variable: The percentage of college graduates in a state

4. The more trees there are in a municipality, the lower the crime rate will be.
   Independent variable: Number of trees in a municipality
   Dependent variable: Crime rate in a city

5. States that spend more money on education have higher average SAT scores than states that spend less money on education.
   Independent variable: Money spent on education in a state
   Dependent variable: Average SAT scores in a state

6. Basketball players who practice more often have a better shooting percentage than players who practice less often.
   Independent variable: The frequency with which a basketball player practices
   Dependent variable: Shooting percentage of a basketball player

7. People who have higher incomes tend to spend more money on food.
   Independent variable: Individual income
   Dependent variable: Money an individual spends on food.

8. People with more education tend to make more money than people with less education.
   Independent variable: Individual level of education
   Dependent variable: Individual income

9. People who eat more Big Macs tend to weigh more than people who eat fewer Big Macs.
   Independent variable: Number of Big Macs an individual eats
   Dependent variable: Individual weight

10. State legislators from less professional legislatures have more contact with their constituents than legislators from more professional states.
    Independent variable: Legislative professionalism in a given state.
    Dependent variable: Amount of contact legislators in a given state have with their constituents.
Homework #2: Independent and Dependent variables

For each of the following hypotheses, identify the independent variable, the dependent variable and the unit of analysis. Please type your answers!

1. The higher an individual’s social class, the more likely that person is to participate in politics.
2. The more hours a student studies, the higher grade she will receive.
3. The more times a student edits a paper, the better the paper will be.
4. People with lots of money tend to have nicer furniture than people with less money.
5. People who listen to Johnny Cash are cooler than people who do not listen to Johnny Cash.
6. The larger the stapler, the more likely it is to staple lots of pages at once.
7. Democratic nations are less likely to experience civil war than non-democratic nations.
8. People with more free time are more likely to watch The E! True Hollywood Story of J-Lo than people with less free time.
9. People who know more about politics are more likely to vote than people who know little about politics.
10. People who are personally contacted and urged to vote are more likely to vote than people who are not personally contacted and urged to vote.