DESIGN A STUDY

Choose <u>one</u> of the following sets of variables:

1. Self-esteem and test performance
2. The amount of time couples spend together and their relationship satisfaction
3. Audience members' opinions of a movie and their mood
4. Physical attractiveness of a political candidate and voters' opinions of him/her
5. Cell phone use and driving skills

The topic from the list above that we chose is:

_____

1. What is your independent variable? What is your dependent variable? (***Remember the I.V. would be causing a change in the D.V.***)

   I.V. →

   D.V. →

2. Design **<u>an experimental study</u>** to investigate these variables. What will be the basic procedure of the experiment? Which variable will you manipulate and how? (***Hint: random assignment, manipulate, measure***)

3. Do any **ethical** and/or **practical (i.e., time, money, logistics)** issues arise?

DESIGN A STUDY, CONT'D

4. Now, using the same variables, design **a correlational study** to investigate the relationship between these two variables. What is the main difference between this and the experiment described above?

5. Assume that your study produces a **significant correlation** between the two variables. Draw the graph of the results.

6. If there was a significant **correlation** between your two variables, does this mean that one variable **causes** the other variable? EXPLAIN.