

## **Group project – Quantitative literacy – Data Analysis**

As a group you must select a state (must be approved by professor). No more than one group can select the same state.

Once selected you must answer the following questions:

**Note: professor will provide a list of helpful websites and sources with number of arrests and population**

1. Using the information provided by the professor, please find the following for your selected state:
    - a. Number of arrests for aggravated assault per year for the last 10 years
    - b. Population per year for the last 10 years
  2. Calculate the crime rate for aggravated assault for the state you selected for the last 10 years.
  3. Using Microsoft Excel create a line graph reflecting the pattern for aggravated assault in the last 10 years.
  4. Has aggravated assault been increasing or decreasing in the last 10 years? Describe the pattern.
  5. After reading chapter 2 in your textbook. Elaborate on **factors** that contribute to crime fluctuation.  
**CJ3**  
**Gaines and Miller**  
**2015 Wadsworth, Cengage Learning**
  6. Using the UCR crime data table **provided by the professor**, compare the aggravated assault rate for your selected state to the aggravated assault rate in the United States presented by the UCR for the last 10 years.  
<http://www.fbi.gov/stats-services/crimestats>
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Present your findings to the class. (Oral presentation with visual aid)

- a. Presentation should include the line graph
- b. Discussion on the pattern observed in the last 10 years
- c. Discussion on factors that contribute to crime fluctuation

At the end of class, we will have a class discussion on the states selected by the different groups, and compare the crime rate for aggravated assault for each state throughout the country.