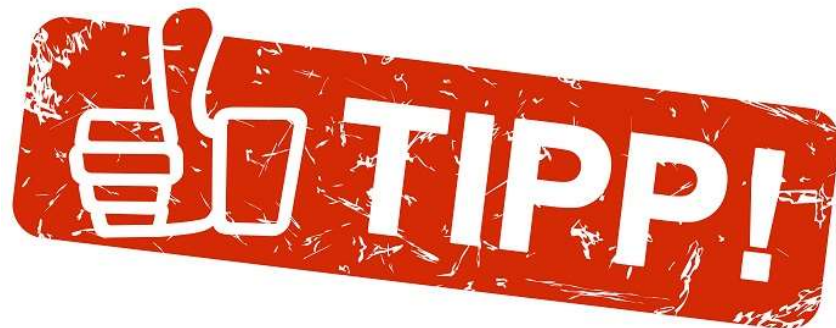# CASE STUDY 016
[Python]
2017 Chicago Crime
Data Analysis

Here are some clues in case you are stuck with the case study:

1. Remember that this data set is in a raw format, so it will be necessary to remove missing data and convert data like Primary Type and Date to the correct format.

    1.2. Primary Type should be treated as a category, without order;

    1.3. Date should not consider the time, in order to make the group by day works;

2. You can discover the median of the crimes graphically, using a boxplot. Plot the 12 most common crimes, grouped by day and you will be able to answer the question.

    2.1. Could be easier to change the orientation of X-axis marks, in order to read. To do so, the code is:

    ```
    plt.xticks(rotation=90)
    ```

3. It will be easier to create dataframes with only latitude and longitude for the data points for each crime type, in order to make a KDE plot. Remember to use the ungrouped data.

4. To search for a coordinate in google maps you must provide both latitude and longitude in this order, separated by comma and without any space.

    For instance, to search for Chicago's central location use: 41.881832,-87.623177