Title: Traffic Accidents in the United States

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Project Description: Review traffic accidents nationwide and identify trends

Research Questions:

-What are the traffic accident rates per season or time of year?

- Are there certain time of year by date or by month that are more “unsafe” to drive in, versus other months of the year.

-correlation Weather and traffic accident rates

-human error vs. other

-mileage driven vs. traffic accident probability

-peak hour of accidents

- Accident rates compared to age group?

rush hour vs. off peak hours

-Where are accidents most frequent (metropolitan city vs. suburbs vs. highway) and how does the severity differ?

-drunk driving vs. alcohol addiction rates

 Data Sets to be used:

<https://www.kaggle.com/isadoraamorim/trafficcrasheschicago#Traffic_Crashes_-_Vehicles.csv>

Breakdown of tasks: To be determined

Actual Questions being worked on;

* Driver age range of accidents?
  + Impaired driving by grouped age
    - Just drivers
    - Victims (pedestrians)
    - YoY trend for total impaired driving by age
  + Severity of accidents by age and location
    - Heatmap
    - Severity of accidents by Age bucket
  + Cell phone use by age group
    - Specify dates of cell phone use collection
      * 2015-2010
    - Is there gender bias towards female?
      * X-axis is year
      * Y-axis is amount of Males/Female