**Executive Summary**

In this project I will try to find whether certain vehicle types (make/model/year) are safer than others or not. To answer this question, I will investigate the whole reported traffic accident data and registered vehicles in the US.

**Motivation**

When deciding a car make model, the safety is always a major issue. It may be the most important feature. Although every advertisement claims that the vehicle is safe, I want to use the experienced facts. I am looking answer from accident reports data.

**Data Question**

There is a report from a nonprofit organization, The Insurance Institute for Highway Safety (IIHS) about death rates by make and model. <https://www.iihs.org/api/datastoredocument/status-report/pdf/52/3>

I want to look the whole crash data instead of fatal crashes. Hence the question of this project is more general: which make, model vehicles are safer?

**Schedule (through 1/9/2020)**

1. Get the Data (12/7/2019)
2. Clean & Explore the Data (12/21/2019)
3. Create Presentation of your Analysis (12/28/2019)

* Should be a presentation, but could include a Jupyter Notebook or dashboard in Excel, Tableau, or PowerBI

1. Internal demos (1/4/2020)
2. Demo Day!! (1/9/2020)

**Data Sources**

Accident & vehicles <ftp://ftp.nhtsa.dot.gov/>

Registered vehicles:

New York <https://data.ny.gov/browse?q=vehicle%20make%20&sortBy=relevance>

UK <https://www.gov.uk/government/statistical-data-sets/all-vehicles-veh01>

**Known Issues and Challenges**

I could not find the record of all registered vehicles by make, model for overall U.S. yet. If there is no such available data I will look only for highly populated cities or states. I may look other countries’ crash reports and vehicles if I could not find enough data to make analysis.