Title: Crash Data from Montgomery County Maryland

Team members: Rohit Singhal, Jules Gikundiro, Isabelle Scrimsher, Matthew Pedroza, Tia Chesley, Brian Fitzpatrick

Project description/outline: Analyzing crash data from Montgomery County to determine the conditions in which crashes are more likely to occur.

Dataset: “Crash Reporting – Drivers Data” <https://catalog.data.gov/dataset/crash-reporting-drivers-data>

Research questions:

What make of car is most likely to get into a crash? (Isabella)

What month has the most crashes? (Rohit)

What percent was the driver at fault? (Jules)

What time of day do the most crashes occur? (Matthew)

Do more injuries occur when the speed limit is higher? (Brian)

Is there a time of day when drivers are more distracted? (Tia)

Additional possible questions

Substance abuse, does alcohol or illegal drugs lead to more injury?

What percent of crashes were out of state drivers?

Breakdown of Tasks: Each person in the group will do each of these tasks for one of the above questions

Clean the data and describe how the data were cleaned

Visualizations (6-8, .png images)

Summary stats, correlation, regression

Write-up of the findings

Presentation