**Weather Effects and Traffic Collisions in Los Angeles**

Greg Black, Giselle Chiu, Daniel Dong, Anthony Huynh

*Project Outline: Our project is to uncover patterns in traffic accidents around Los Angeles. We'll examine relationships between types of weather and quantities of traffic accidents; traffic accidents and day of week; trends in accident rates over the course of the year; and related questions, as the data admits.*

**Introduction**

Null Hypothesis 1 - There is no statistical significance between the amount of traffic accidents in Los Angeles and the weather at the time of the accident.

Null Hypothesis 2 …

**Datasets**

LACity.org - Day, Time, Day of Week, Month of Year, Cross Street, Coordinates.

<https://data.lacity.org/A-Safe-City/Traffic-Collision-Data-from-2010-to-Present/d5tf-ez2w>

Historical weather API – Type of weather, rainfall

<https://developer.worldweatheronline.com/api/historical-weather-api.aspx>

**Limitations of the Data**

* We will be limiting our data to the 2016 calendar year.

**Project Tasks**

* Data cleaning (Jupyter Notebook)
* Plotting graphs (Jupyter Notebook)
* Pulling Data from API (Jupyter Notebook)
* Writing Analysis
* PowerPoint presentation