

## GSBO CITY COLLISION DATA ANALYSIS GROUP 6

BYUNGJIN KANG, SAHATHI VANTERU, DANIEL FRYE, DIMITHRA RATNAYAKE,  
JORGE SALAS

The reduction of motor vehicular related deaths have occurred since the introduction of motorized vehicles in the late 19th century. The primary objective of this project is to find a pattern that will help the City of Greensboro reduced the number of fatalities to zero which was influenced by Sweden. The use of Geographical Information Systems will be utilized to further our understanding of the raw data by visualization.

The python programming language and its statistical analysis libraries will be used to achieve these goals. The data given was a collection of spreadsheets and GIS-specific files(ex. Shape files). Its not clear exactly how to explore and extract conclusions yet, but by further investigation, something should arise.

The data we were given is historic information of vehicular accidents . We use a software called QGIS to visualize shape files. We are investigating on what techniques to use to visualize the comma separated files we were given after cleaning them , to get useful solutions from the data. We are also starting to learn QGIS and how to visualize the geo spatial data we were given.

Our first goal is to analyze the fatalities file as that seems the main key of the investigation. Currently little progress has been made into understanding the fatality data. Anyways, there are five members in our team. We each are given the follow tasks:

- Jorge, Sahithi, Daniel, Dimithra, Byungjin
  - (1) Analyze the Kaggle data
  - (2) Research data analysis techniques