

## DATA

Data for this study was collected by the Seattle Police Department and recorded by Traffic Records Group which consist of collisions (traffic accident) data from 2004 to present. The dataset is the Seattle vehicle collisions data. You can find the Dataset by [Clicking Here](#).

The dataset contains 194,673 rows and 37 columns (features). The predictor or target variable will be 'SEVERITYCODE' because it is used to measure the severity of an accident. The feature description of the dataset can be found by [Clicking Here](#).

We will use data science technique on the data by incorporate the collision data per collision, the weather condition, road condition and lighting condition at time of crash. These will allow us to determine the correlation between the weather condition and total number of crash as well as the lighting condition based on the weather condition. We then determine the impact of weather condition and road condition on the severity of accident.