

Data

The information provided by the local government of Seattle has 37 attributes and 219,547 vehicle accident records. The records are updated weekly since 2004. Each record includes information on the severity of the accident (fatality, serious injury, injury or prop damage), collision type, the total number of people involved in the collision, the date of the accident, the number or injuries and fatalities in the accident, light conditions during the collision, the road conditions, weather, and some other attributes related to the accident itself. In order to solve the identified problem, the information provided will be cleaned, eliminating those records with missing data. On the other hand, only attributes that have the potential to predict the severity of accidents in the city will be taken into account, such as weather and road conditions, light conditions, inattention or even speeding. In this sense, attributes such as identification codes, road's names or even the date will not be considered. Once the dataset is cleaned, it will be processed and balanced, so it can be used in a supervised learning model.