Car Accident Severity Study based on Data from Seattle, WA

Applied Data Science Capstone Project, Coursera
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2. DATA

The dataset used in this study is based on a document called 'Collisions—All Years' from the organisation 'SDOT Traffic Management Division, Traffic Records Group'. It includes all types of collisions counted by the Seatle Police Department and Traffic records in the city of Seatle, WA in the timeframe beginning 2004 until present. The document is weekly updated.

The project purpose is to analyze and predict the severity of an accident based on some particular features as follows:
The diagram below shows the amount of data given for each feature and for the target value (severity) in the original dataset.

Feature	Description
INATTENTIONIND	Whether or not collision was due to inattention. (Y/N)
UNDERINFL	Whether or not a driver involved was under the influence of drugs or alcohol.
WEATHER	A description of the weather conditions during the time of the collision.
ROADCOND	The condition of the road during the collision.
LIGHTCOND	The light conditions during the collision.
SPEEDING	Whether or not speeding was a factor in the collision. (Y/N)

CAR ACCIDENT SEVERITY STUDY