Predicting Severity of Car Collisions

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Introduction to Problem

We are provided with data of road accidents and parameters that caused the accident. We need to predict the severity of the accidents.

I used machine learning techniques to build a model that can predict the accident severity

Data Acquisitions and Cleaning

Data for the project was provided . I filtered columns on the basis of correlation , data types and missing values.

Feature Selection

Features that were correlated to the largest extent were dropped. Also time series columns were deleted.

Conclusion and Future Directions

The XGBoost algorithm gave the most accurate predictions whereas the Logistic Regression model was able to predict most number of True Positives and True Negatives.