ACCIDENT SEVERITY PREDICTION

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Problem Statement

To reduce the number of vehicle collisions in a community, we have to predict the severity of an accident given variable features like weather, road and visibility conditions.

The analysis is to predict the severity of accident occurrence using data provided with features like vehicle count ,weather conditions and road conditions in order to inform the public over probability of occurrence of severity of an accident on roads to take well informed measures beforehand. This analysis would help the department of transportation to improve upon the ways and minimize accidents on the roads for the purpose of increasing the quality of life for the residents, increasing transparency, accountability and comparability, promoting economic development and research, and improving internal performance management.