**project on predicting accident severity of cars**

**Data:**

Load file

Display categorical features

Inspect the features like Accident\_Severity, Speed\_Limit,etc.,

* Most accidents occur at low speed limits but they are more severe in proportion at higher speed limits (makes sense)

Weather, road surface and light conditions

* Most accidents occur in normal weather, only Fog or High winds increase the proportion of severe accidents
* Darkness significantly increase the probability of severe accidents
* Bad Road surface conditions do not increase accident severity

Junctions types

* The majority of accidents occur away from a junction
* Also the presence of a junction do not increase accident severity

Display ordinal features

Other Features(if any)

* Day times and peak times experience the most accidents but they are more severe at night

Geospatial visualisations

Accident\_Severity-GeoSpatial associations analysis

* As seen on the Geospatial visualisations, there is some association between localisation and accident severity.
* Specifically, given a certain accident\_severity, determining latt/long is possible.
* The reverse is not true though: It seems difficult to predict accident severity given a certain location.