

project on predicting accident severity of cars

1. A report consisting of all of the following components (**15 marks**):
 - Introduction where you discuss the business problem and who would be interested in this project.
 - Data where you describe the data that will be used to solve the problem and the source of the data.
2. A link to your Notebook on your Github repository pushed showing your code. (**15 marks**).

Business problem Introduction:

Predict accident severity at each output area given datetime and driving conditions For each Police Force we build a prediction model with the following objective:

Given date, time, weather, light and road conditions, predict accident severity within the operating geographic area of a police force

Predicting the accident severity at a specific location in the given dataset. Which helps the people travelling through the route by different vehicles, got awareness in that path. so that, we can reduce the accidents. Factors that influence the accident are as follows:

- Vehicles may be car, trucks, etc., .
- accidents may happen at different latitudes and longitudes. we have to find those based on city or province.
- Severity code and its description specifies the situation of the victim.
- victim vehicle and how many victims affected gives us how many are under that severity.
- Type of accident(hit pedestrician, hit cycle,etc.,).
- Junction type where most accidents were happened.
- Affect due to Weather conditions.
- Accident due to speed or not.
- Direction affected the collision.
- Which will be helpful to prevent accidents and reduce homeless people and also.