Project Proposal
Road Accidents Analytics: UK case study

Group:
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Goal:
The main goal of this project is to identify the main factors correlating with road accidents. This project will utilize the data of road and traffic accidents registered in the UK. The targeted data will be prepared and visualized using different graphs in an attempt to analyze the causes and identify the likelihood of accidents, according to different factors that could be (but not limited to): driver's gender, vehicle category, season, weather conditions, day of the week, time and location of accidents.

Datasets:
This project will basically use the following datasets:
1. [UK Car Accidents 2005-2015](#)
2. [Road Accidents Incidence](#)

Potential Beneficiaries:
1. Awareness-raising bodies
2. Insurance Companies
3. Ministry of Transportation
4. Traffic Police

Implementation:
1. Data Loading and Preparation: 1 week
2. Data Visualization using Python and Performing Analytics: 2 week
3. Model Validity Test: 1 week