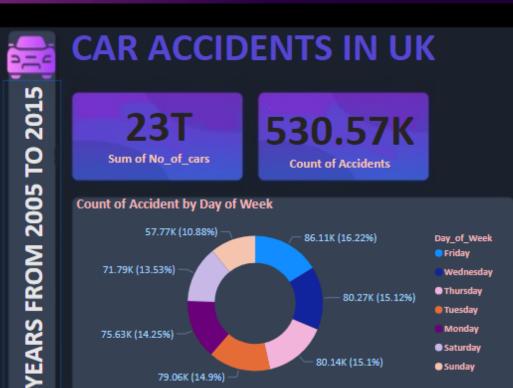
# CAR ACCIDENTS UK / 2005-2015

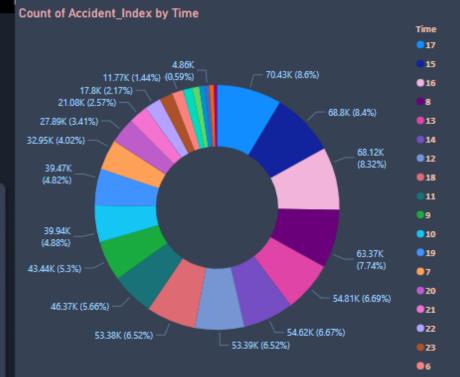
Layan Balbisi - Power Bl

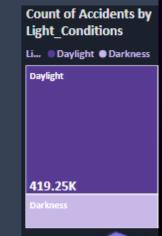
#### Introduction

Dataset about car accidents in UK in period of 2005-2015 were used in this project.

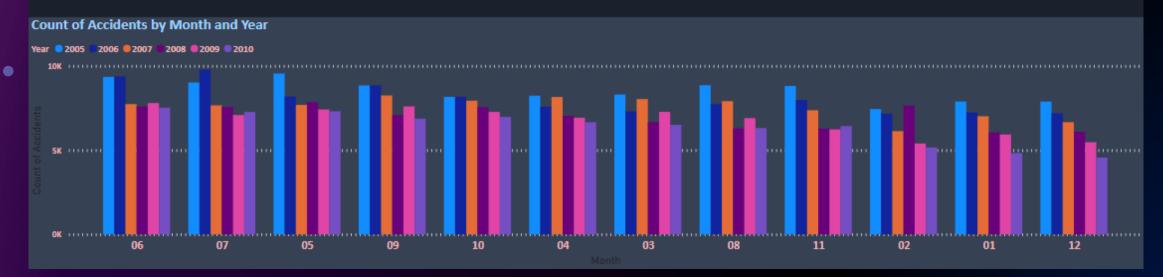
- Data preprocessing were applied
- Dashboard were designed using this data, utilizing Power BI
- Hidden insights were presented











## Data choosing

The dataset were selected from Kaggle, consisting of 32 features that describe the accidents in the UK.

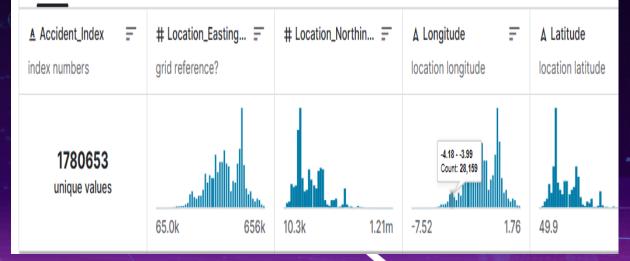
#### UK Car Accidents 2005-2015

Data Card

Accidents0515.csv (244.5 MB)

Detail

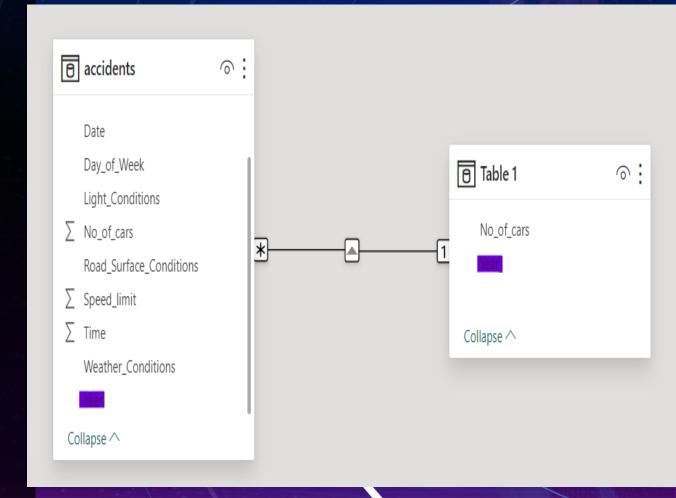
10 of 32 columi



### Data preprocessing

Feature selection were applied, to choose 11 feature from the 32, depending in how useful they are to the study.

Then the dataset were merged with other dataset from the web that mentions the number of cars in UK during that period .



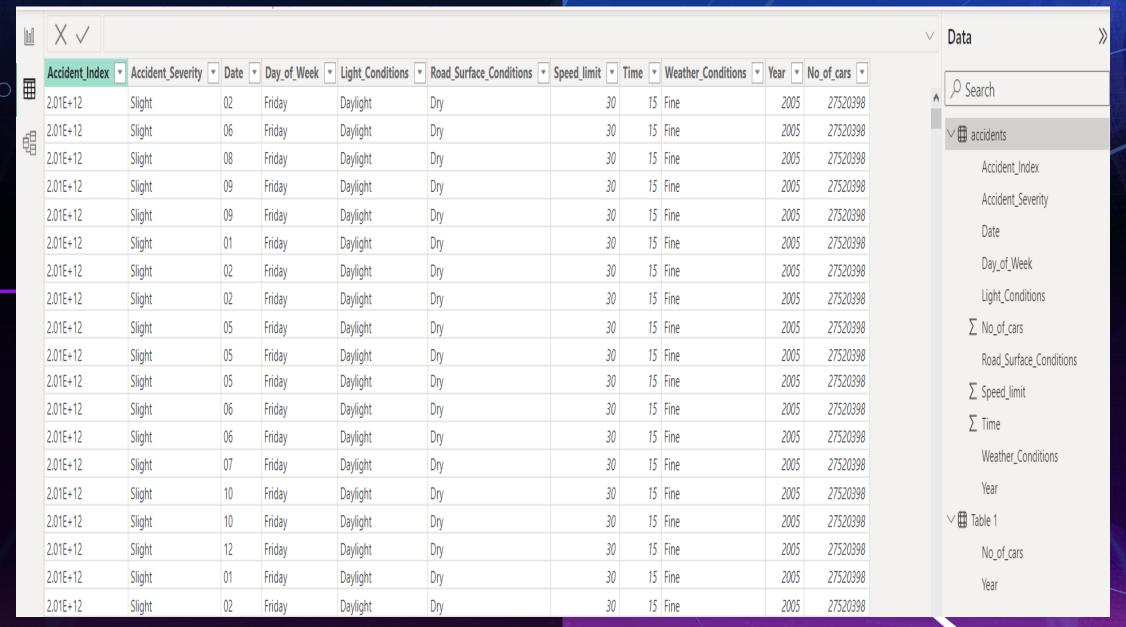
#### Preprocessing

Beside the feature selection, these steps were also applied:

- Extract the month from the date feature
- Extract The Hour from the time feature

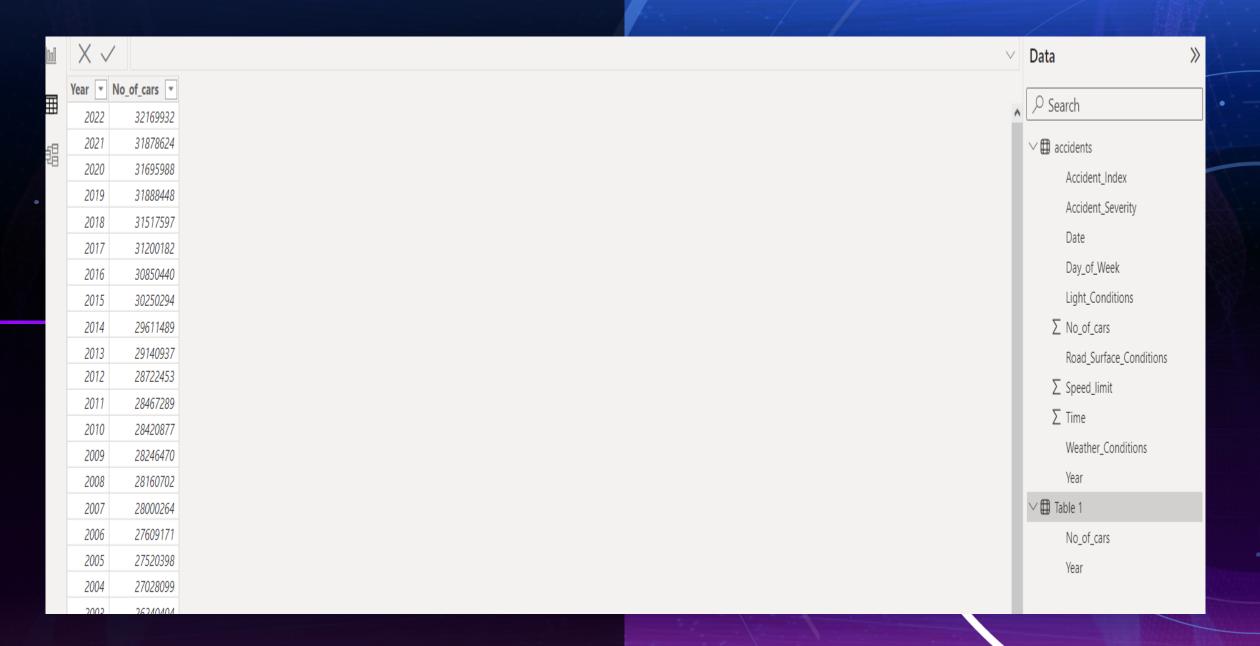
 Drop the null record in each feature, I did not choose to replace them because there count were not huge, and the data size is large

 Replace the values naming in some feature , to make them clearer to understand.



**Business Intelligence** 

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### Hidden Insights

All these insights were observed from the charts in the dashboard.

- Friday as a day, has the highest proportions of the accidents, the reason might be that Friday is the day before the weekend in UK, most people leaving there works, tired from the rest of the week.
- Also, At Hour 5:00pm, has high p proportions of the accidents, it might be because it's the average hour of leaving work /schools...etc.
- More accidents happen in daylight rather than darkness, probably because there is more traffic in this period of the day.

#### Thank You

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Business Intelligence

Power BI

Prof. Dima Suleiman

