Appendix :

Dataset - Crashes Last Five Years
- Data is filtered with respect to 'Animal Struck' in ACCIDENT_1

Lollipop Chart
- TOTAL_PERS
- LIGHT_COND

Map
- LIGHT_COND
- TOTAL_PERS
- LGA_NAME_A

Donut Chart
- LIGHT_COND
- TOTAL_PERS
- FATALITY
- NONINJURED
- OTHERINJURED
- SERIOUSINJ

Animal Car Crashes

Since (2013-2019)

The Problem:

In the past few years the crashes in Victoria has been increasing rapidly. It is a major concern to find the cause of these crashes and reduce them.

Dataset - Crashes Last Five Years:

The dataset consist of various accident types. 'Animal struck' is one of the types.

Objective :

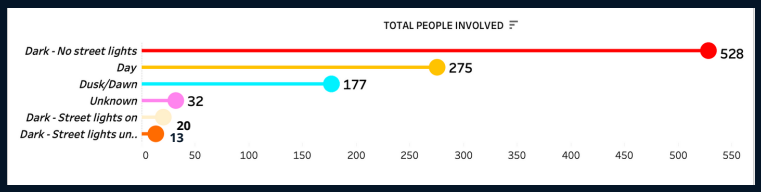
To reduce the number (social cost) of animal crashes.

Hypothesis:

Poor light condition cause animal car crashes.

Analysing Light condition and total number of people involved in accident:

The lollipop chart is used for the following analysis; we realise that when it's *'dark and there are no street lights'*, the number of people facing animal crashes is higher than that in any other light condition.

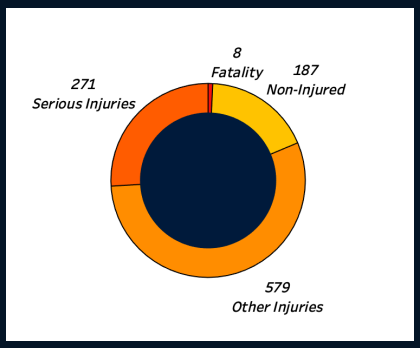


Mapping:

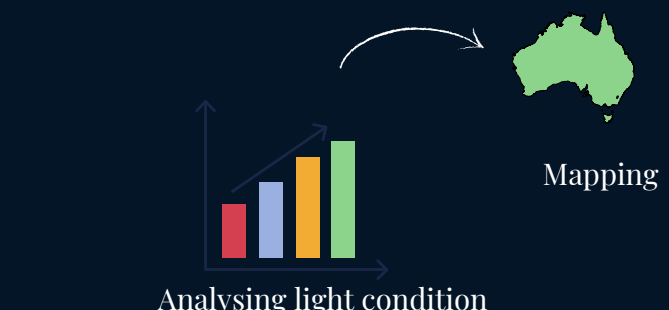
After selecting the lollipop chart the corresponding data visualisation appears on the Victoria map. This helps us to understand that majority of the accidents are out of the metropolitan area, which are more likely to have poor lighting. The size of the circle depicts the number of people involved in the accident.

Injuries:

After selecting the lollipop chart the corresponding data with respect to injuries appear on the donut chart. It helps us to give an in-depth knowledge of the injuries involved in the animal crash accidents where light conditions are poor. From analysis it is clear that *'fatality'* is highest when it's *'dark and there are no street lights'*.



Road Map :



Conclusions and Suggestion:

Increasing the number of street lights would reduce the total number of animal car crashes. Moreover, this will reduce the fatality rate as well as the social cost.