Project Overview

Ambulance:-

The aspect of the project is to analyse the data, where in the various steps of the data analysis cycle have been used to identify factors that affect road accidents and Applying demographic characteristics to ambulance data and Road accident data

Bushfires:-

The primary goal of the project is to predict areas which have a considerable risk for bushfires across bushfires and developing a website with information based on bushfire regions which have high risk of fires

Project Goals

To develop a platform for analysing ambulance and bushfire data, to keep everyone updated about bushfires

This platform must :-

* Collect ambulance data by joining weather data and incidents from different sites.
* Clean data to improve its quality and make it easier to analyse.
* Create a prediction model for the number of accidents based on gender.
* Visualise the data with number of graphs created with Python. These should be embedded in the website.

Project deliverables

Ambulance

* Collect ambulance data by joining weather data and incidents from different sites.
* Clean data to improve its quality and make it easier to analyse.
* Create a prediction model for the number of accidents based on gender.
* Visualise the data with a number of graphs created with Python. These should be embedded in the website.

Bushfires

* Extract the necessary bushfire data required to perform analyses.
* Clean data to improve its quality and make it easier to analyse.
* Produce a heat map which shows the areas which are affected by fires with intensity levels
* Build a machine learning model to predict areas which are highly prone to fires in future.