DWDM SEM LAB

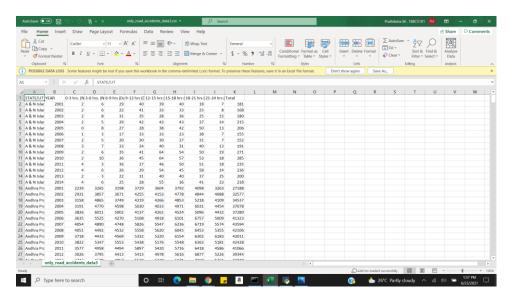
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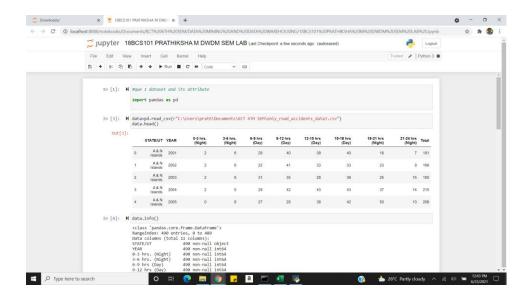
1. Download a sample dataset from any Repository. List the attributes and its type in a word Doc.

dataset:https://www.kaggle.com/manugupta/road-accidents-in-india



This dataset contains the information of road accidents in Indian state and time of accident (0-3 hour, 3-6 hour ..) this information is obtained from the Ministry of Road Transport and Highways, Govt of India.

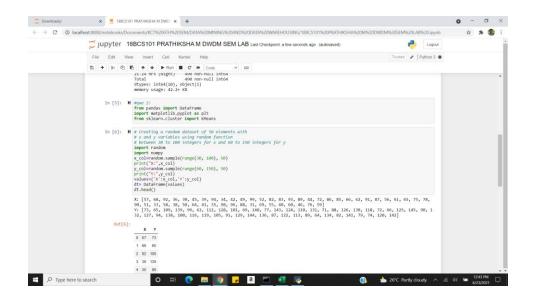
The main goal is to find some good patterns in the data set to help reduce accidents in India.

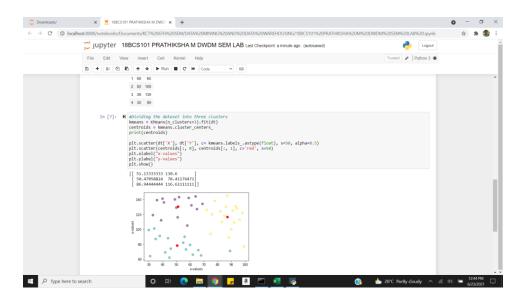


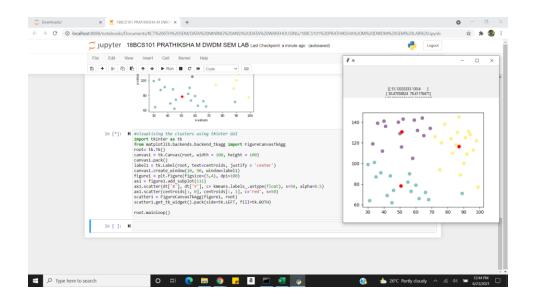
Attribute and its type:

- 1. Nominal attribute -STATE/UT (categorical)
- 2. Numerical attribute -YEAR ,0-3 hrs. (Night),3-6 hrs. (Night), 6-9 hrs (Day),9-12 hrs (Day),12-15 hrs (Day),15-18 hrs (Day),18-21 hrs (Night),21-24 hrs (Night),Total.

2.Create a random dataset of 50 elements with x and y variables using random function between 30 to 100 integers for x and 60 to 150 integers for y. Apply K-means clustering to cluster the data into 3 clusters. Plot the graph and display the result. Use Tkinter GUI to Display the Results







3. Upload in your GITHUB account. Provide the link for access.

https://github.com/Prathiksha2000/end-sem-lab