

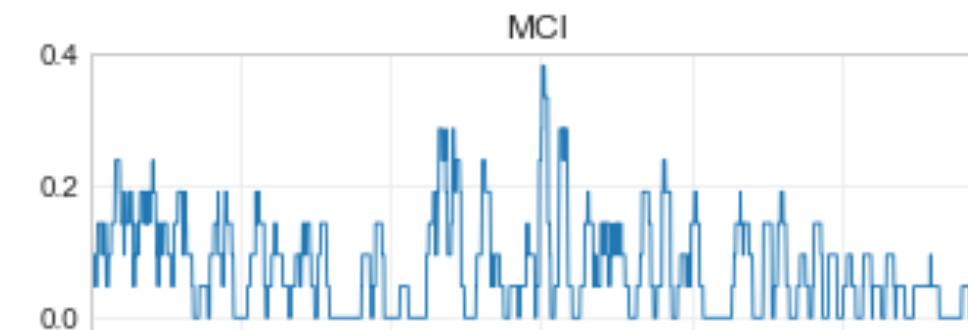
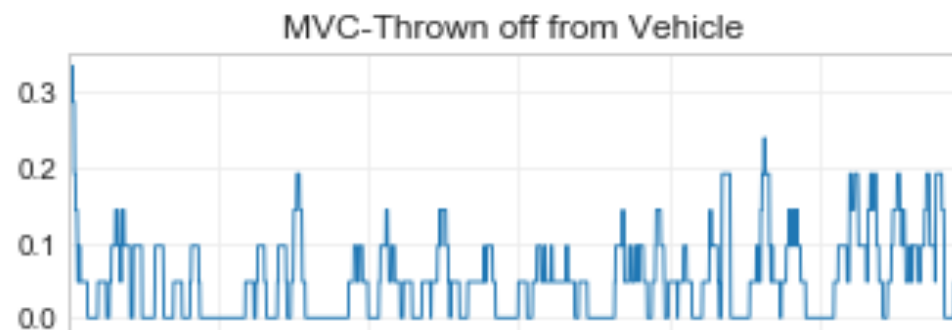
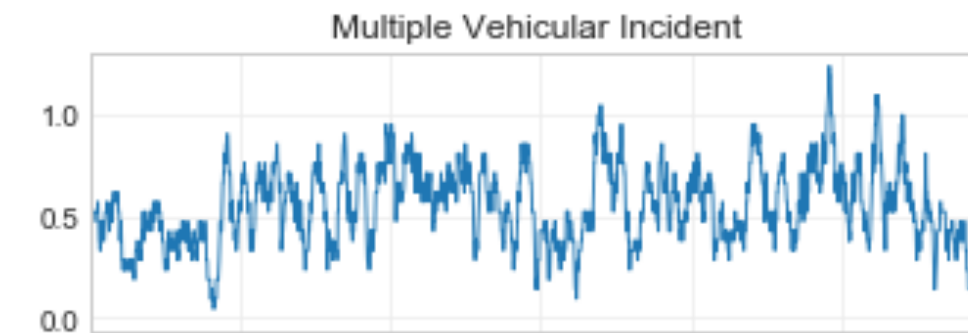
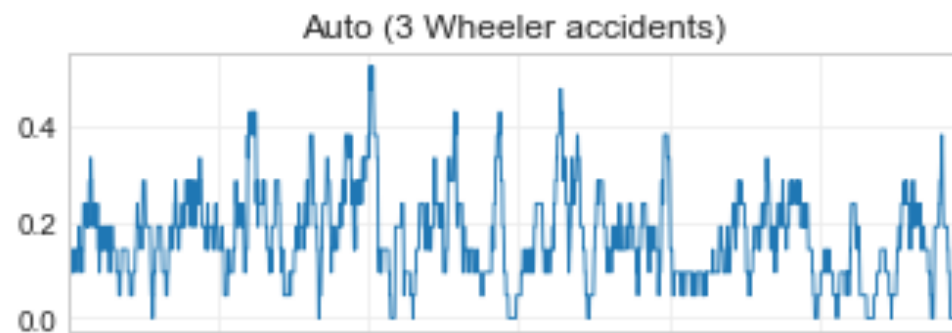
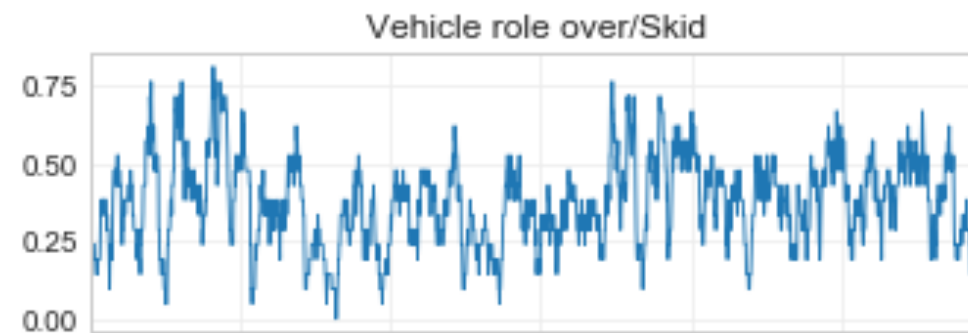
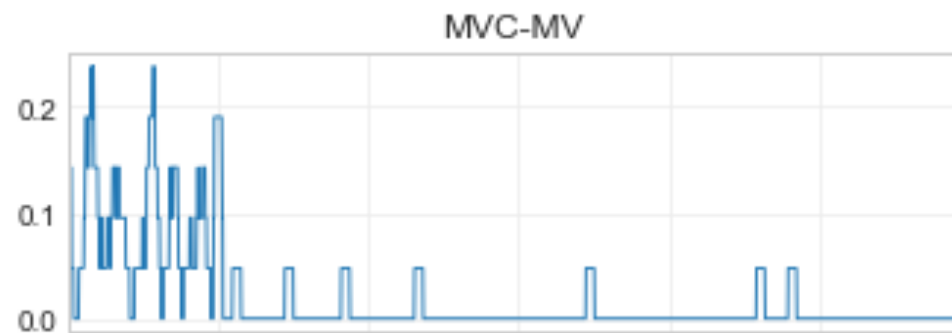
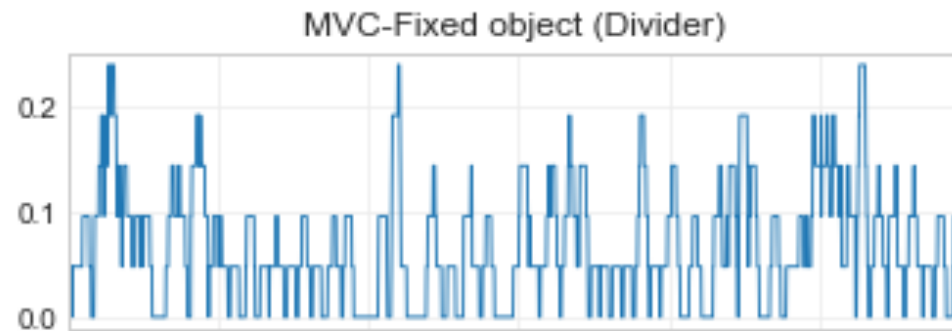
DATAQUEST – 2018

SHASHANK JAKKA

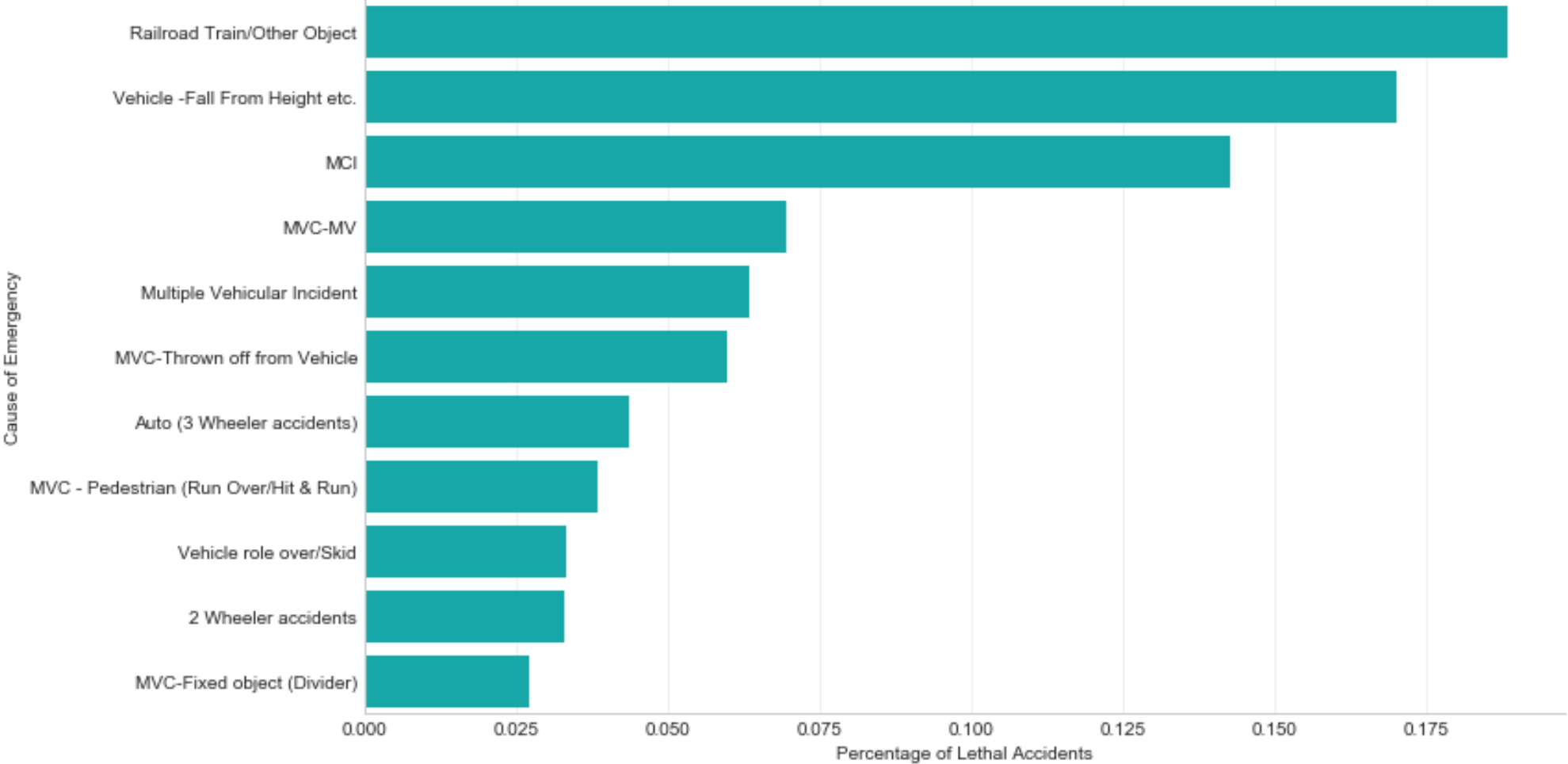
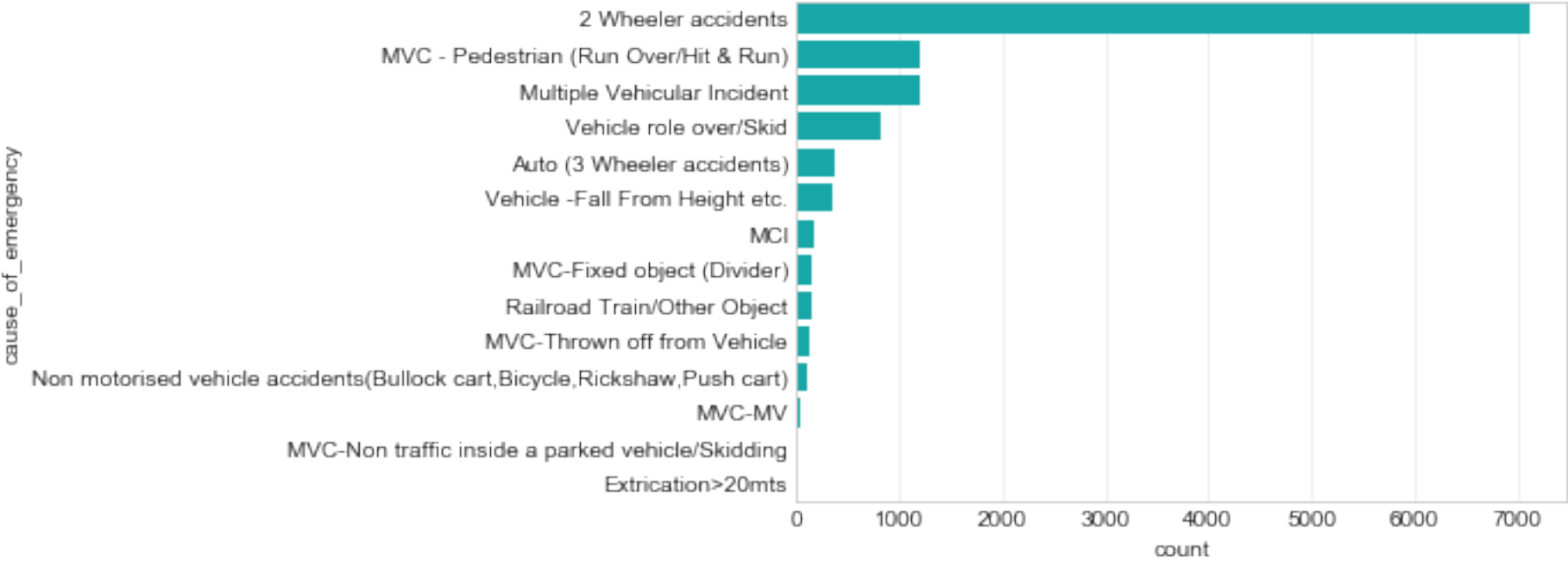
IIT ROORKEE

PROBLEMS OF ACCIDENTS IN DEHRA DUN

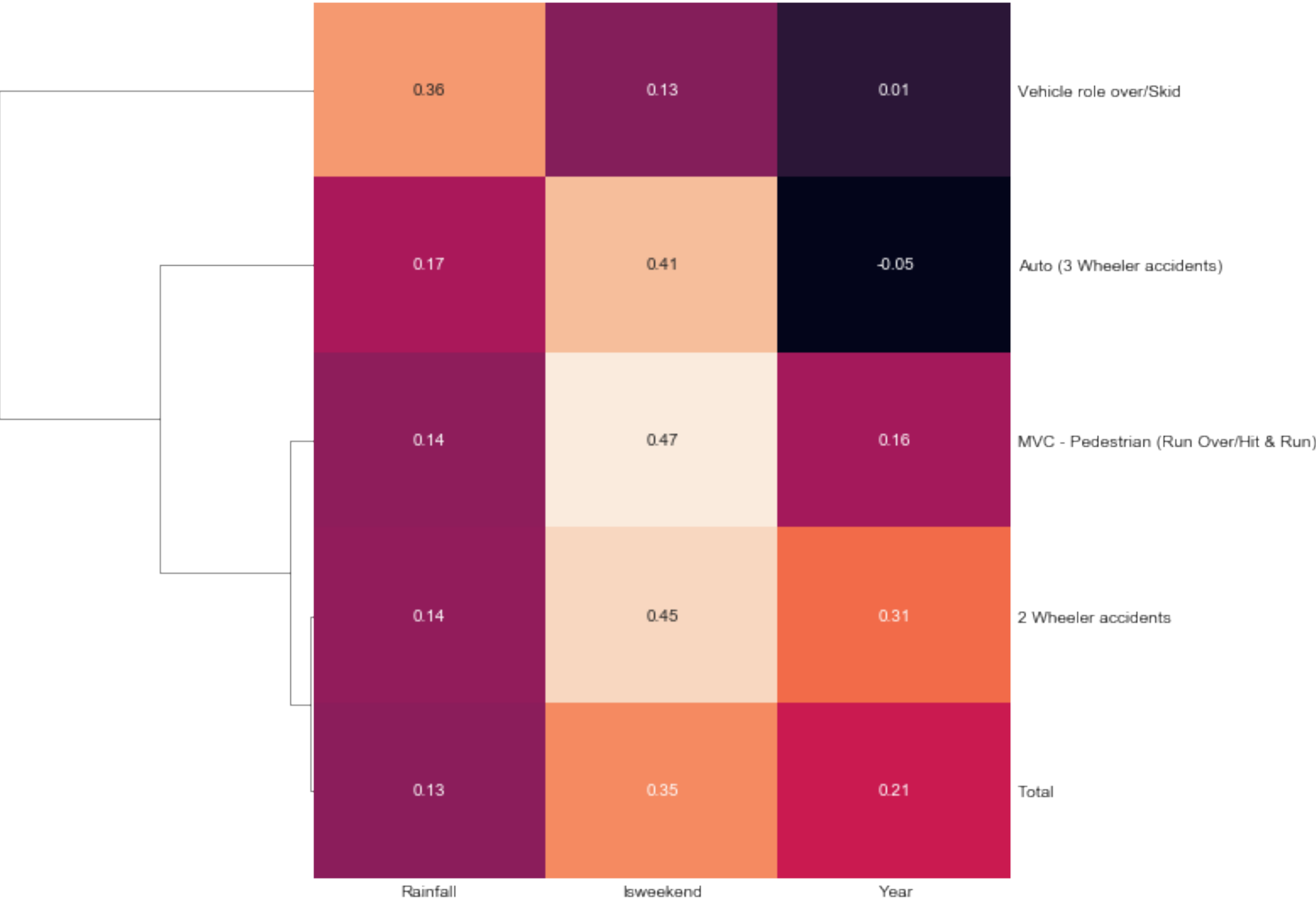
► IGNORANCE



CAUSES:



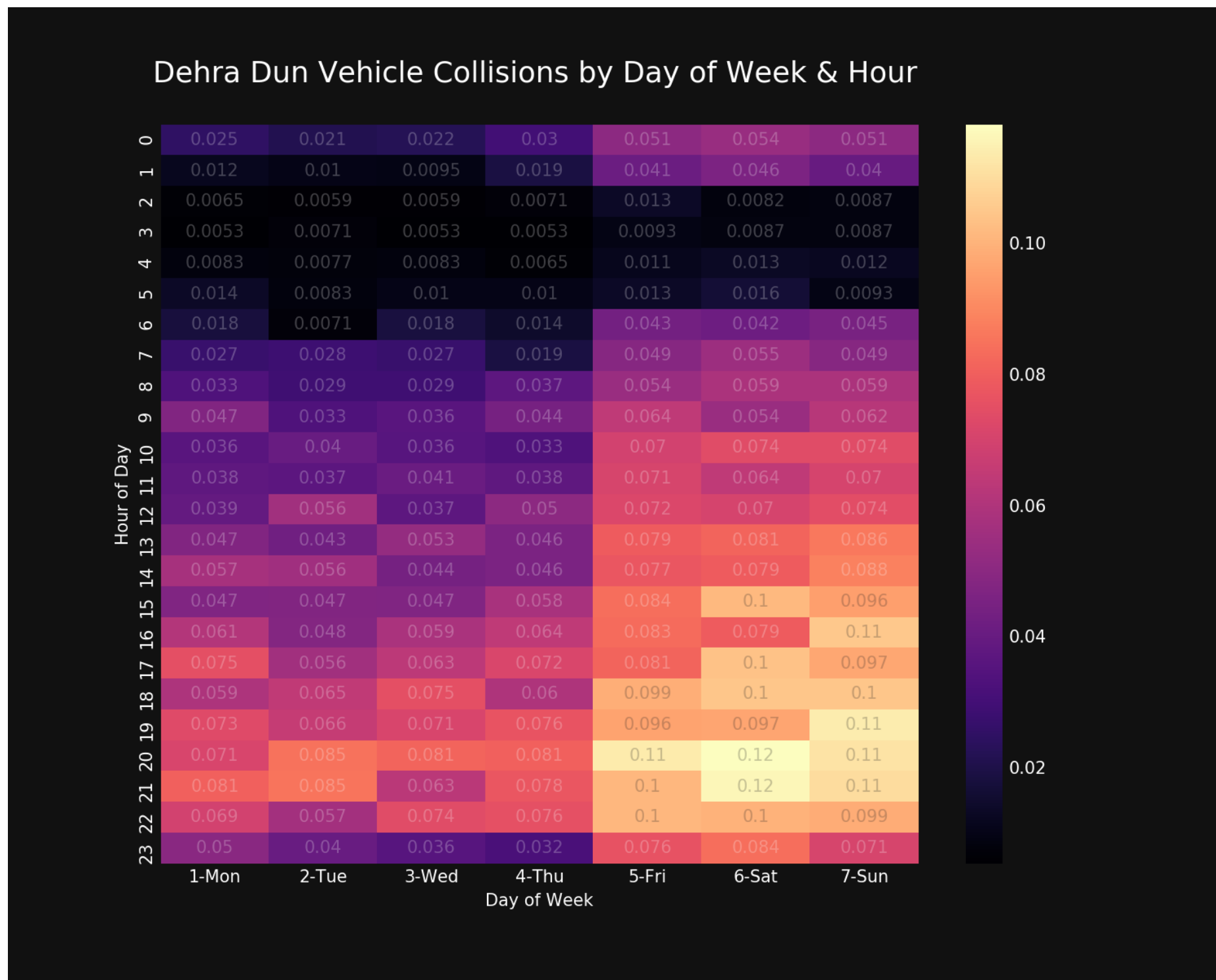
FACTORS AFFECTING THE ACCIDENTS



Correlation Map

INFERENCES FROM THE CORRELATION MAP

- ▶ Weekends are correlated to most of the causes of accidents. People also seem to ignore traffic lights at an increased rate.
- ▶ Also significant correlation of weekends with Hit and Run cases is very alarming.
- ▶ Almost all the causes of emergencies have been increasing from previous years!
- ▶ Vehicle role over/Skid is more correlated with Rainfall and Dew as expected.
- ▶ Road rage seem to occur regardless of weather patterns, maybe slightly influenced by temperature.



- ▶ Using DayOfWeek, Hour, AvgIncidents. I defined AvgIncidents as Total Incidents divided by number of days. With the heatmap, we can see that most incidents occur during the evening rush hour. There's also an interesting observation of accidents early during the weekends!.