Task-05

"

Analyze traffic accident data to identify patterns related to road conditions, weather, and time of day. Visualize accident hotspots and contributing factors.

Dataset :-
https://www.kaggle.com/code/harshalbhamare/us-accident-eda

Time-Based Analysis of US Accidents

Total Accidents

8M
Total Accidents

Year

Year

| 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | > |

Severity

Severity

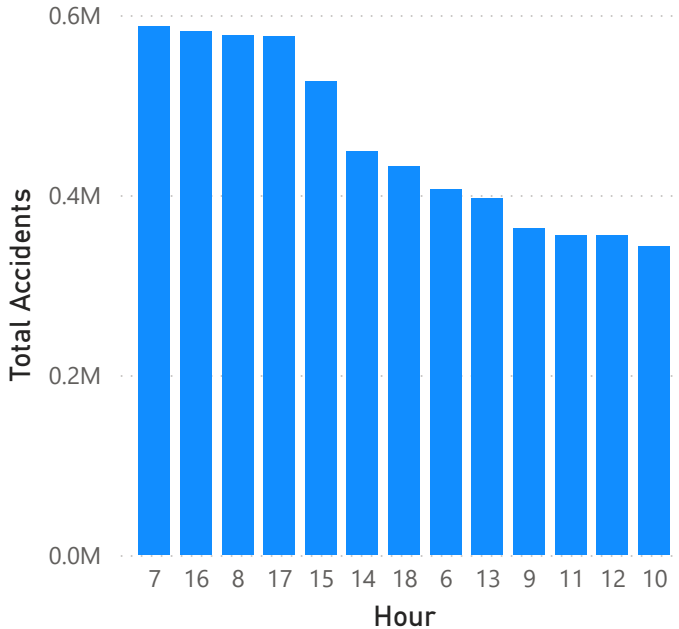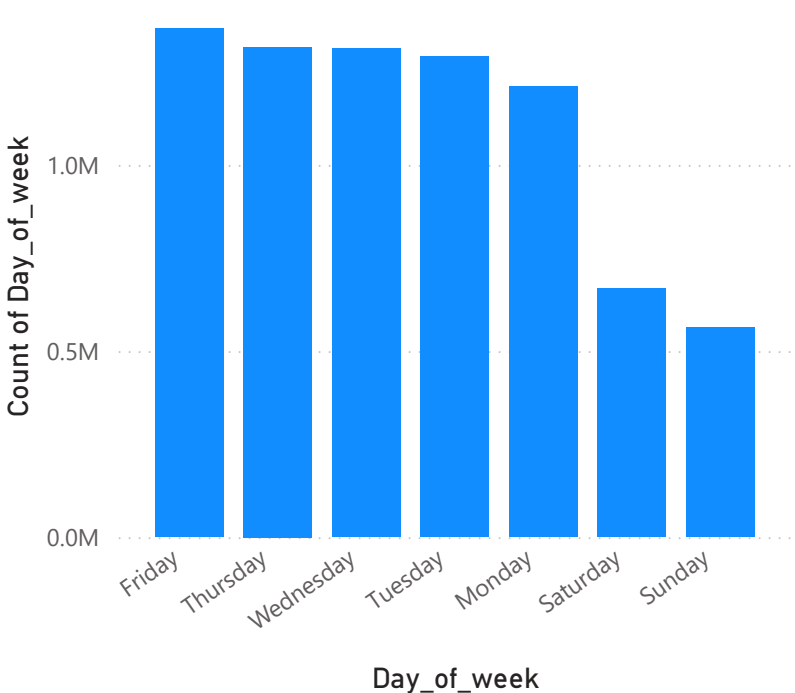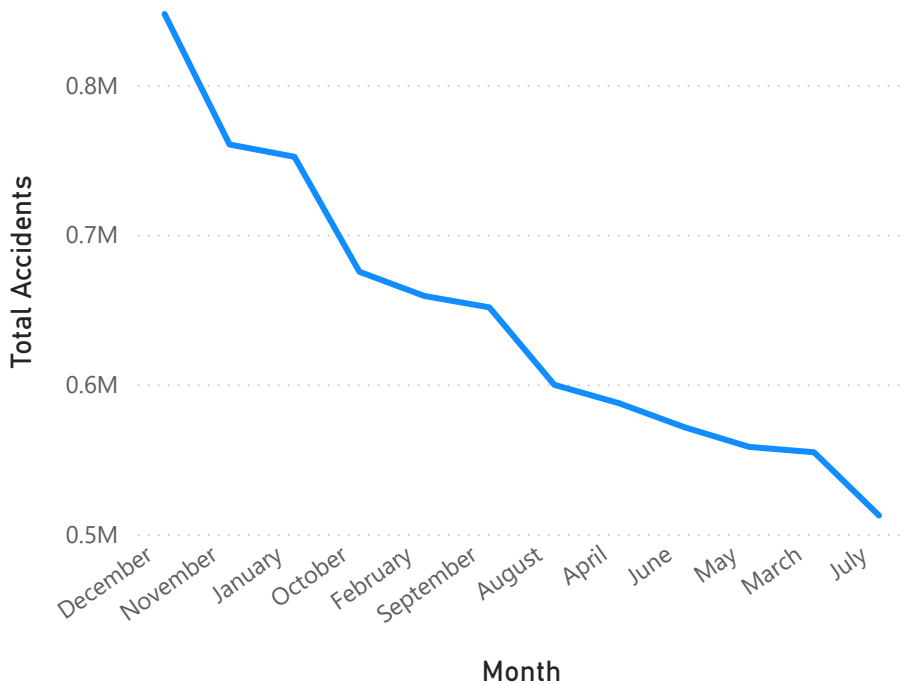| 1 | 2 | 3 | 4 |

Accidents by Time of Day

Total Accidents by Hour
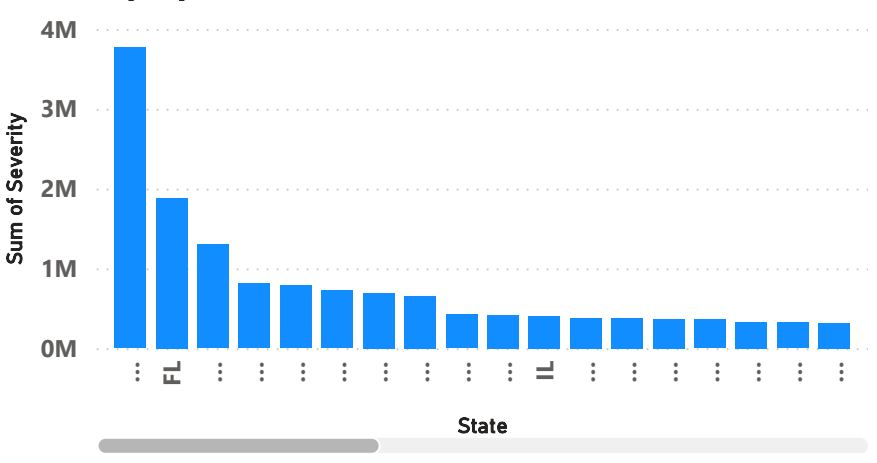

Accidents by day of week

Total Accidents by Month

Geographic Analysis of Accidents

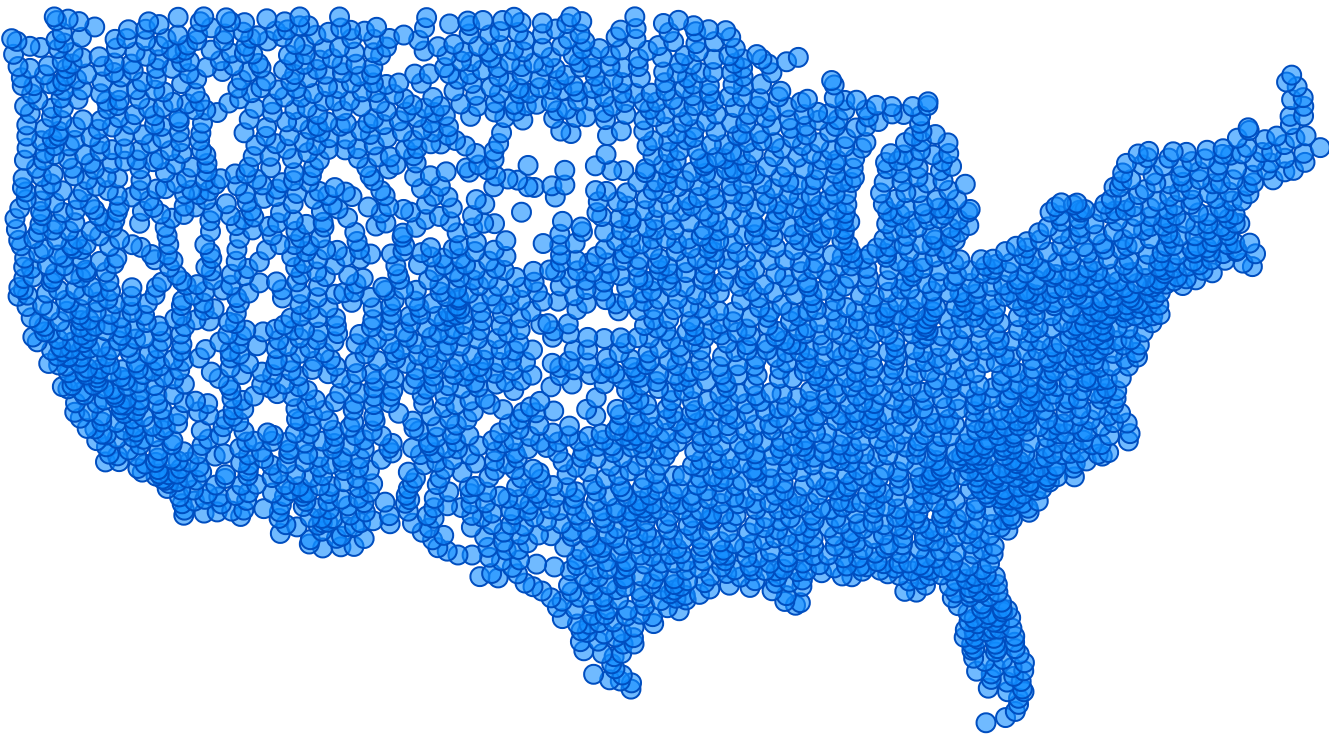## Severity by State

Total Accidents by State
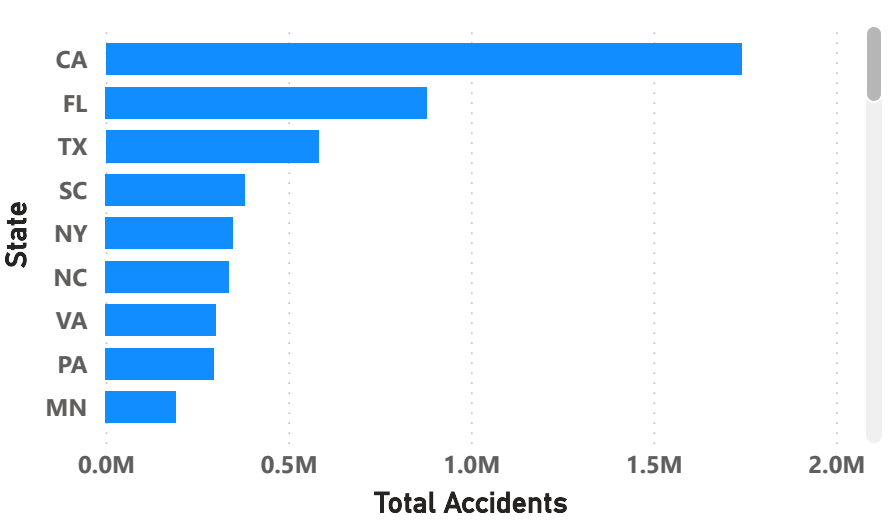
Start_Lat and Start_Lng

Microsoft Bing

Weather-Driven Accident Severity Analysis

Severity

1	2	3

Weather_Condition
- ☐
- ■ Blowing Dust
- ☐ Blowing Dust / Windy
- ☐ Blowing Sand
- ☐ Blowing Snow

Month
- ☐ April
- ☐ December
- ☐ February
- ☐ January
- ☐ July

Rainy vs. Clear Day Accidents

Severity

189 (100%)

Accidents by Weather Condition

Total Accidents by Wind_Speed(mph)