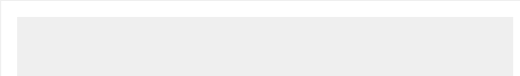
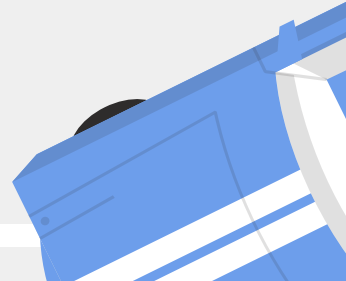




Analysis of the factors affecting car accidents for the city of Los Angeles

May 2024

Katerina Psallida
Kostas Tsagkaropoulos



Specifics of the Analysis

Overview

Overview of the Lab Work on PowerBI related to Big Blue Data Science Bootcamp of 04.2024

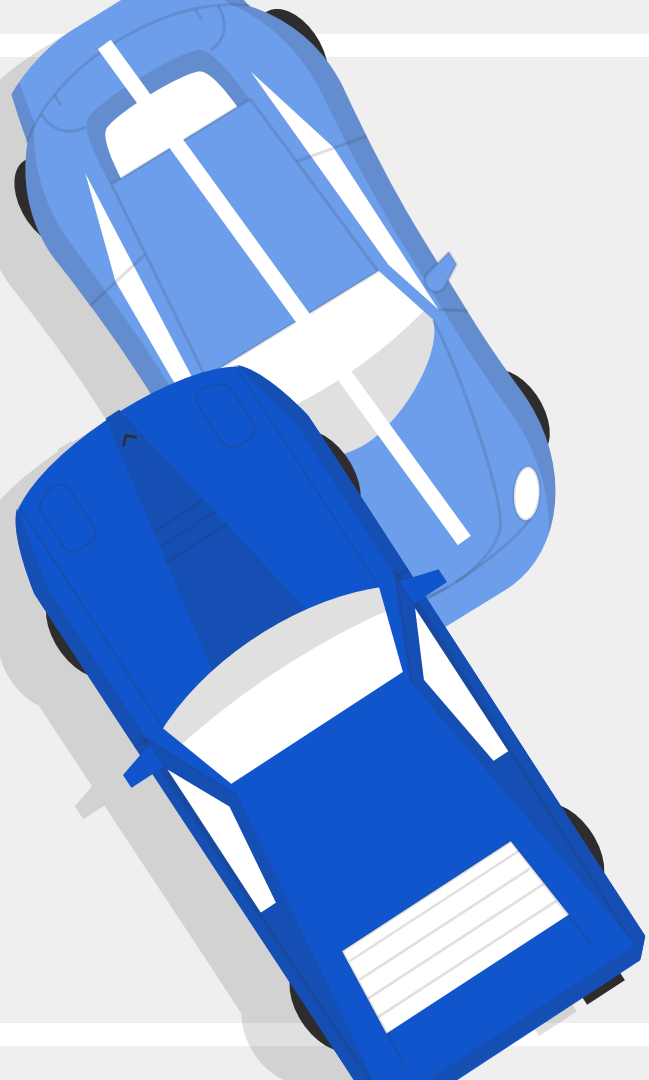
Dataset URL

[US Accidents \(2016 - 2023\) \(kaggle.com\)](#)

Sliced the data for the city of Los Angeles from 2016 to 2021

Characteristics

Fully Interactive Dashboard with Drill Down capabilities



01

Provide time based analysis of influencing factors for the
City of Los Angeles



Analysis of Parameters Influencing Car Accidents for the municipality of Los Angeles

Date Filter

22/3/2016 21 31/12/2021 21

Area by Zip Code

All

LA Areas

62

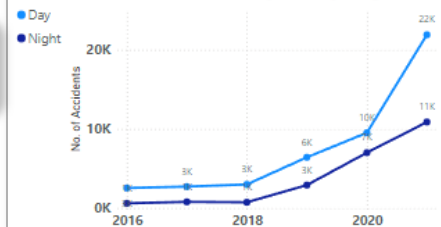
Year Start

2016

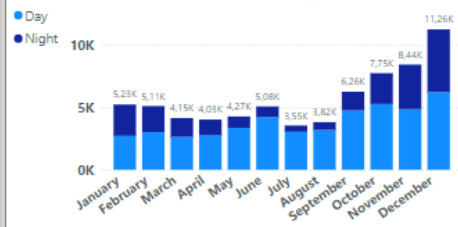
Year End

2021

Number of Accidents per Day/Night



Number of Accidents by Month



Total Accidents by Weather Conditions



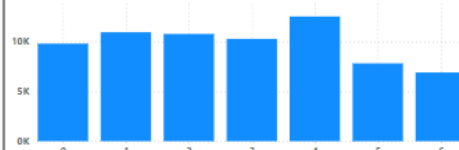
Humidity(%) by Year



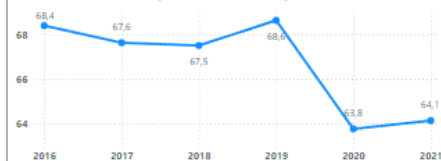
Accidents by Time of Day



Accidents by Day of Week



Temperature(F) by Year

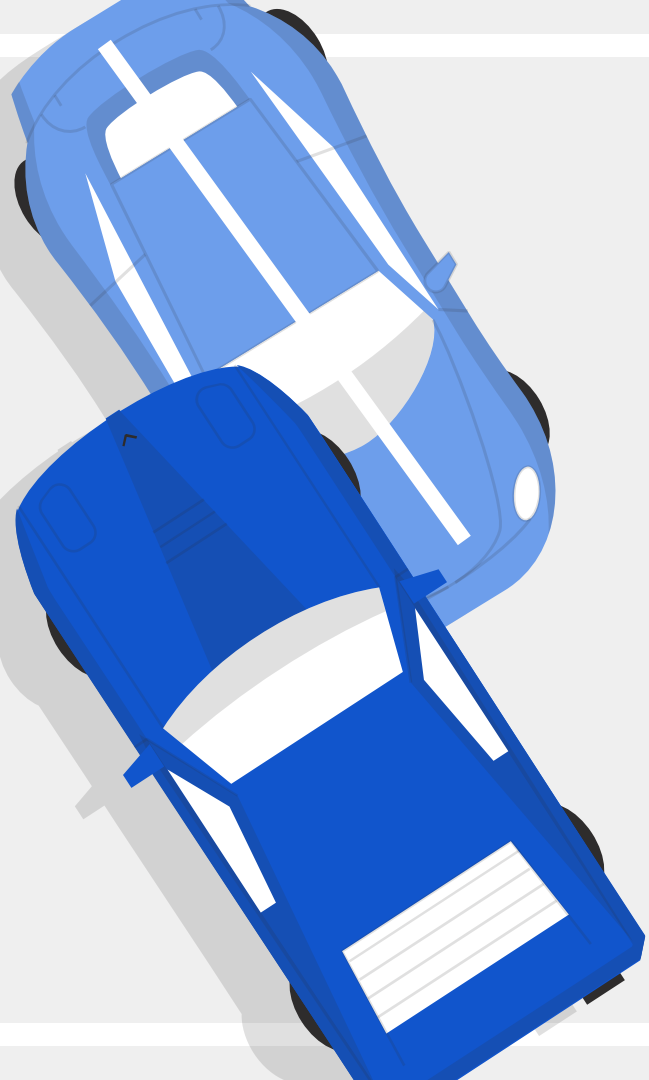


Humidity(%) by Time of Day



Temperature(F) by Day of Week





02

Overview of Areas in LA where accidents happen with greater frequency

Measures of how Area Characteristics may affect Collisions

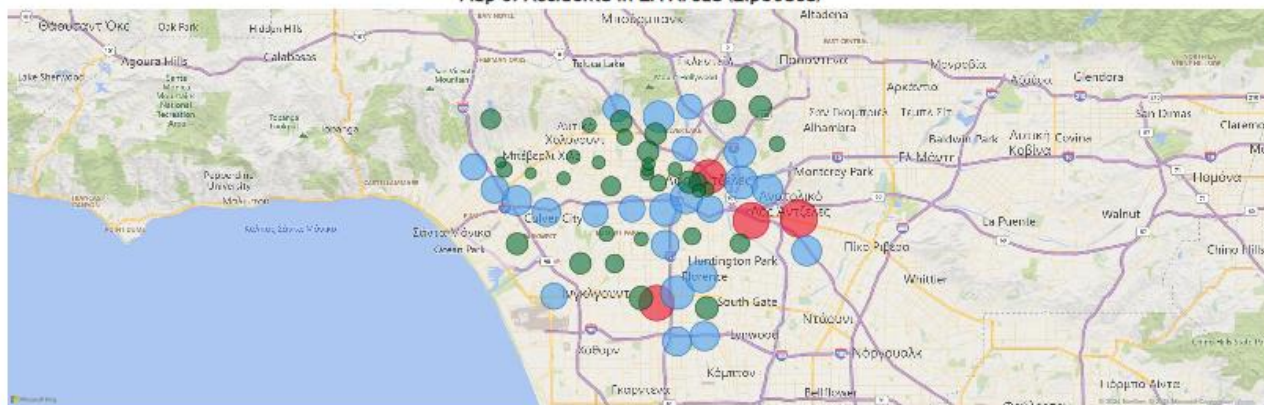
Date Filter

22/3/2016 31/12/2021

Area by Zip Code

All

Map of Accidents in LA Areas (ZipCodes)



How Area Characteristics Affect Accidents

