

Traffic Collision Data Exploration

2019-Jul

About the project

This project is about the traffic collision, which causes serious impact on person's and city traffic network on safety, also will increase the government capital & resource.

By studied and analysis the data of collision can help to get the trend of change on timing line, relevant properties and people, which can display information straightforward.

And This result can assist the government when they are planning the traffic network construction, arrange resource on traffic coordination in daily.

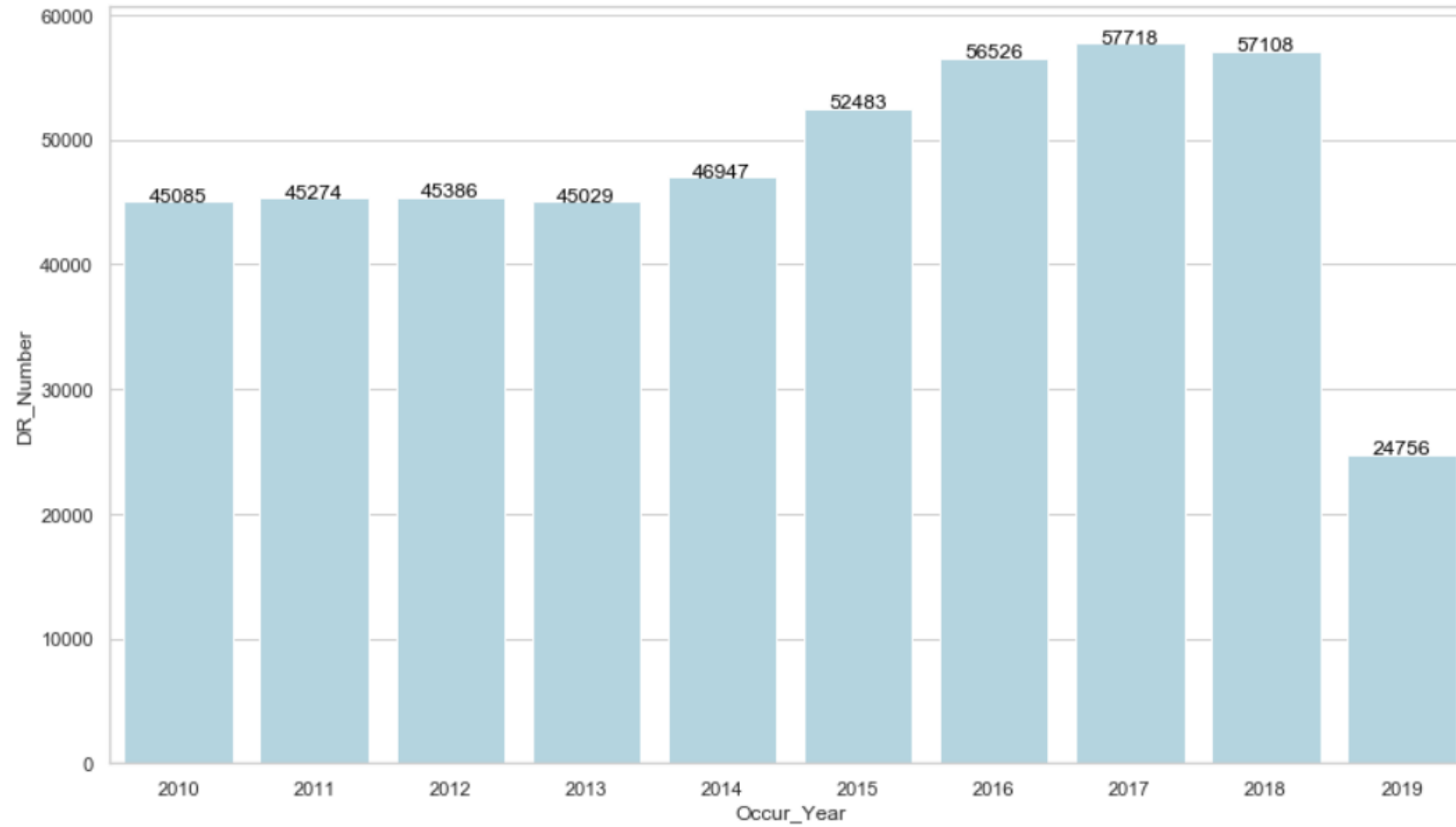
For public, people can also understand the potential risk distribution on collision occurrence in location and timing, so that they can have an alert in mind to pay more attention and avoid tragedy

About the data source

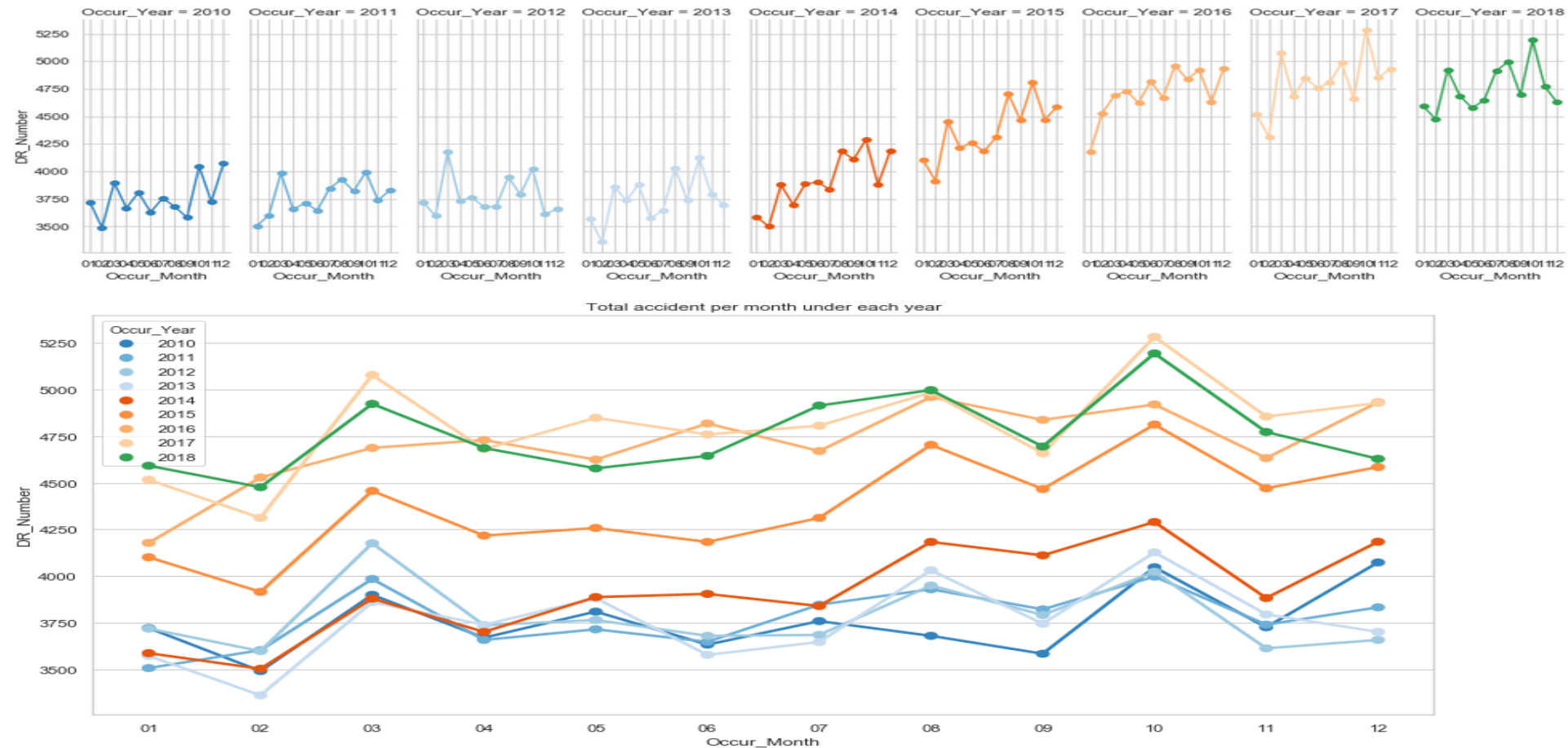
The data for this project is from Kaggle(<https://www.kaggle.com/cityofLA/los-angeles-traffic-collision-data>)

- The data is based on Los Angeles America
- The data duration is from 2010 Jan to 2019 Jun
- The data structure is as below: (more detail and definition about the data, pls refer above link of Kaggle)

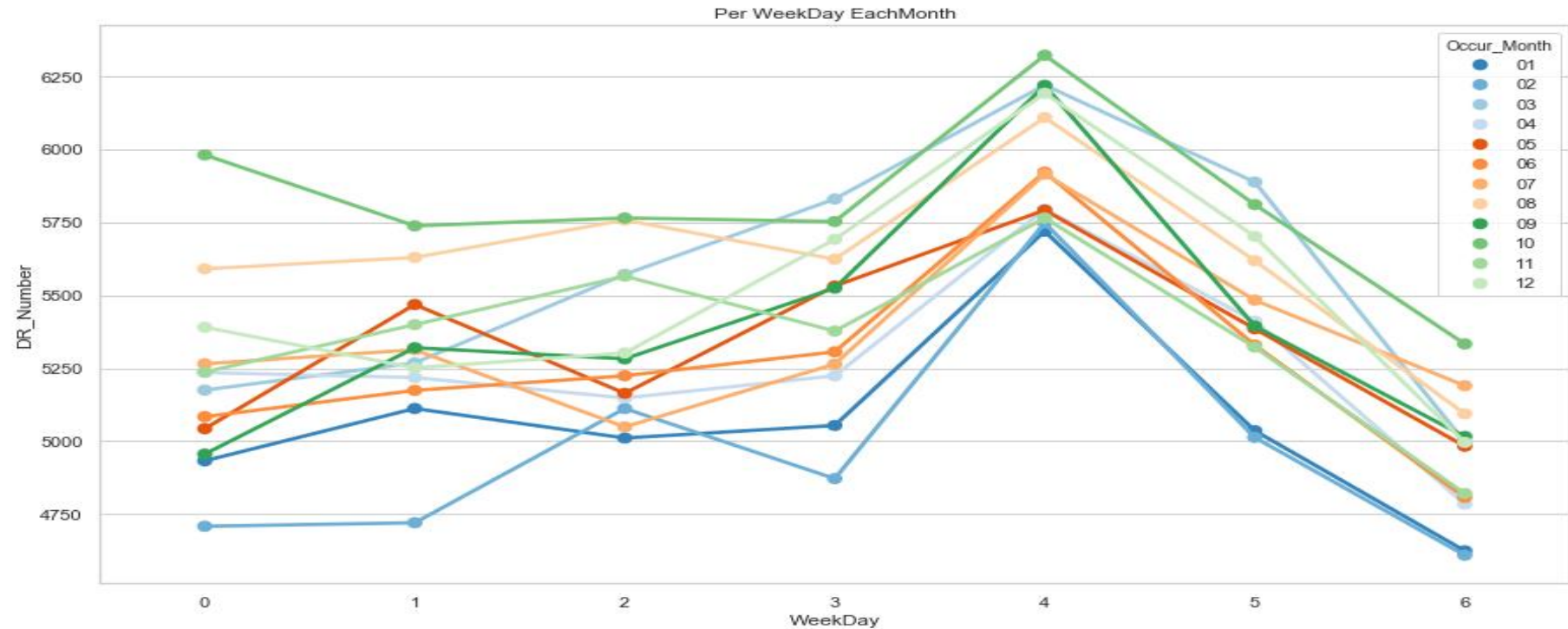
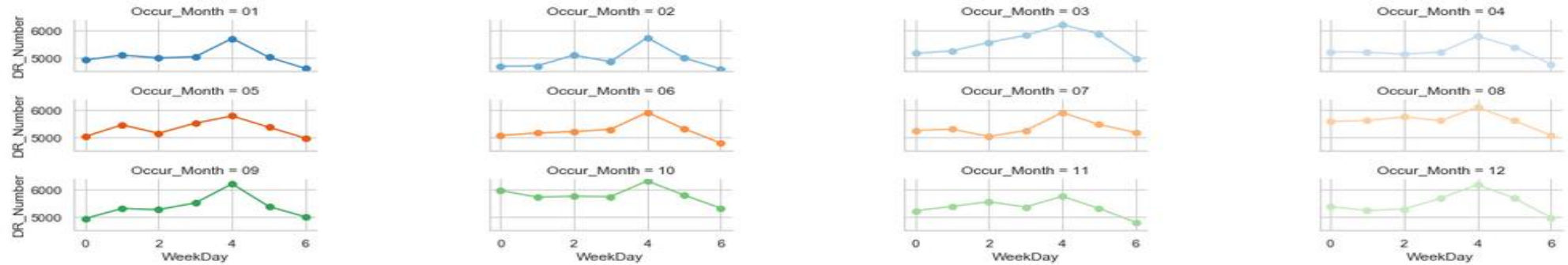
Trends on collisions – by year



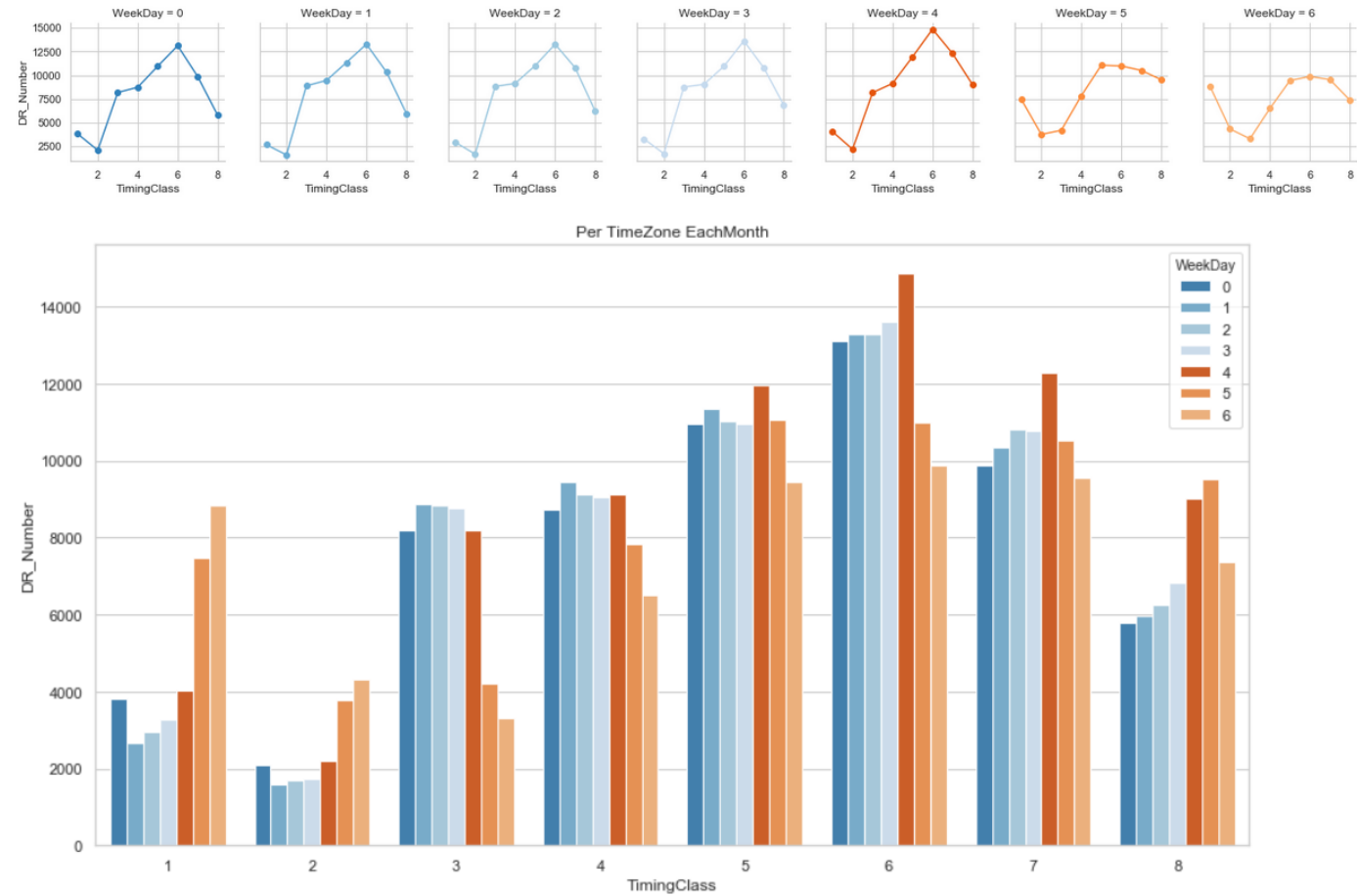
Trends on collisions – per month under each year



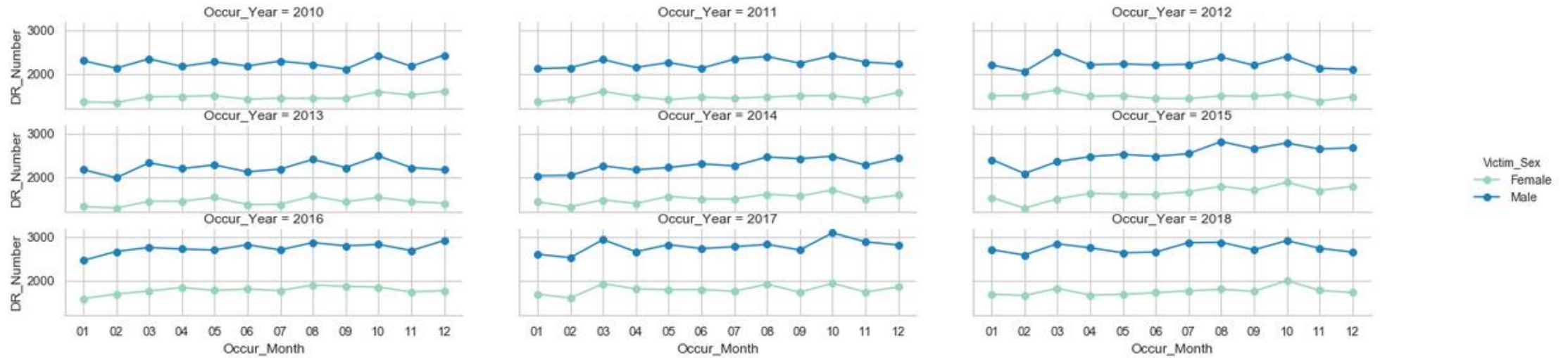
Trends on collisions – per week day under each month



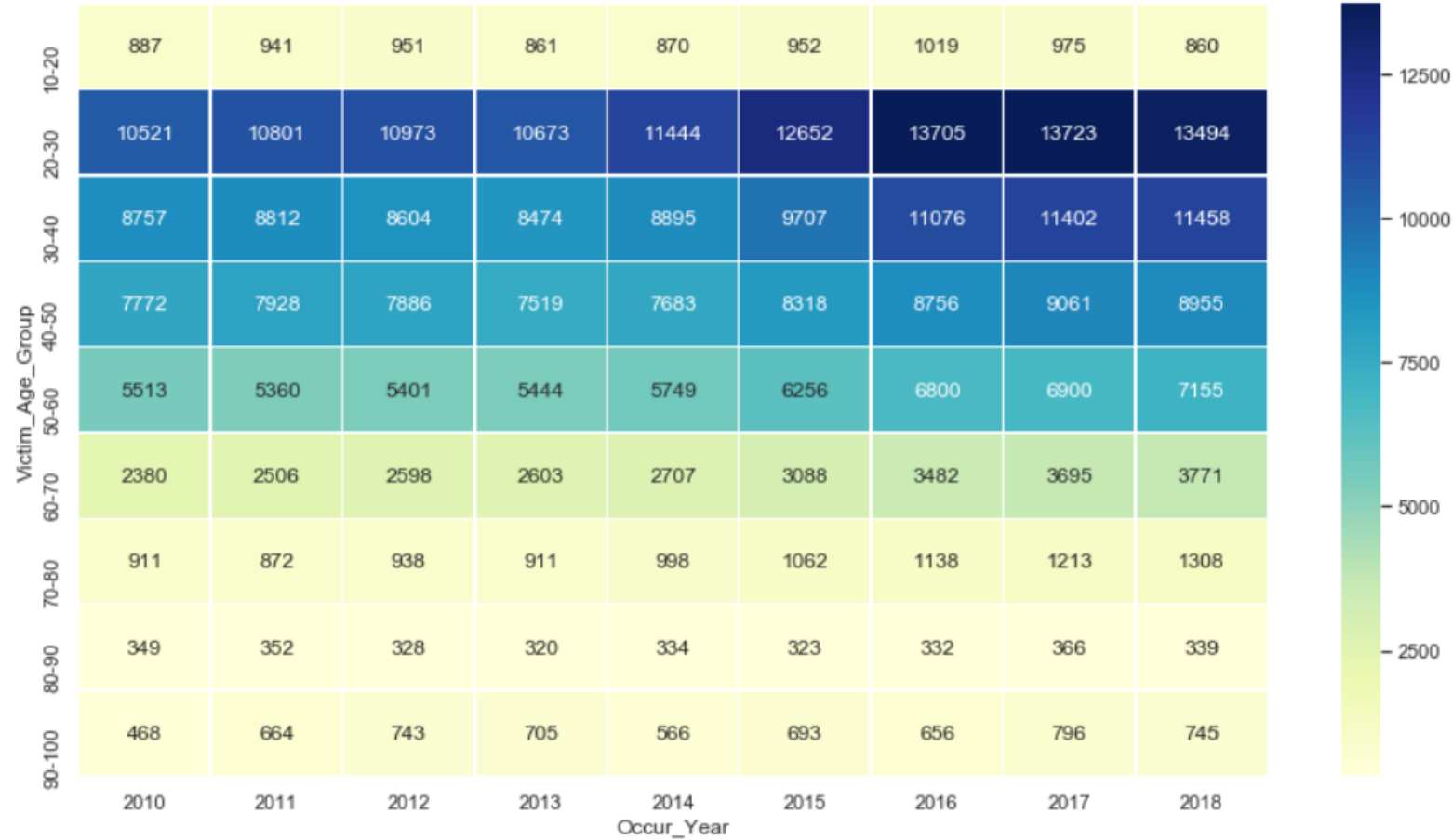
Trends on collisions – per hours under each week day



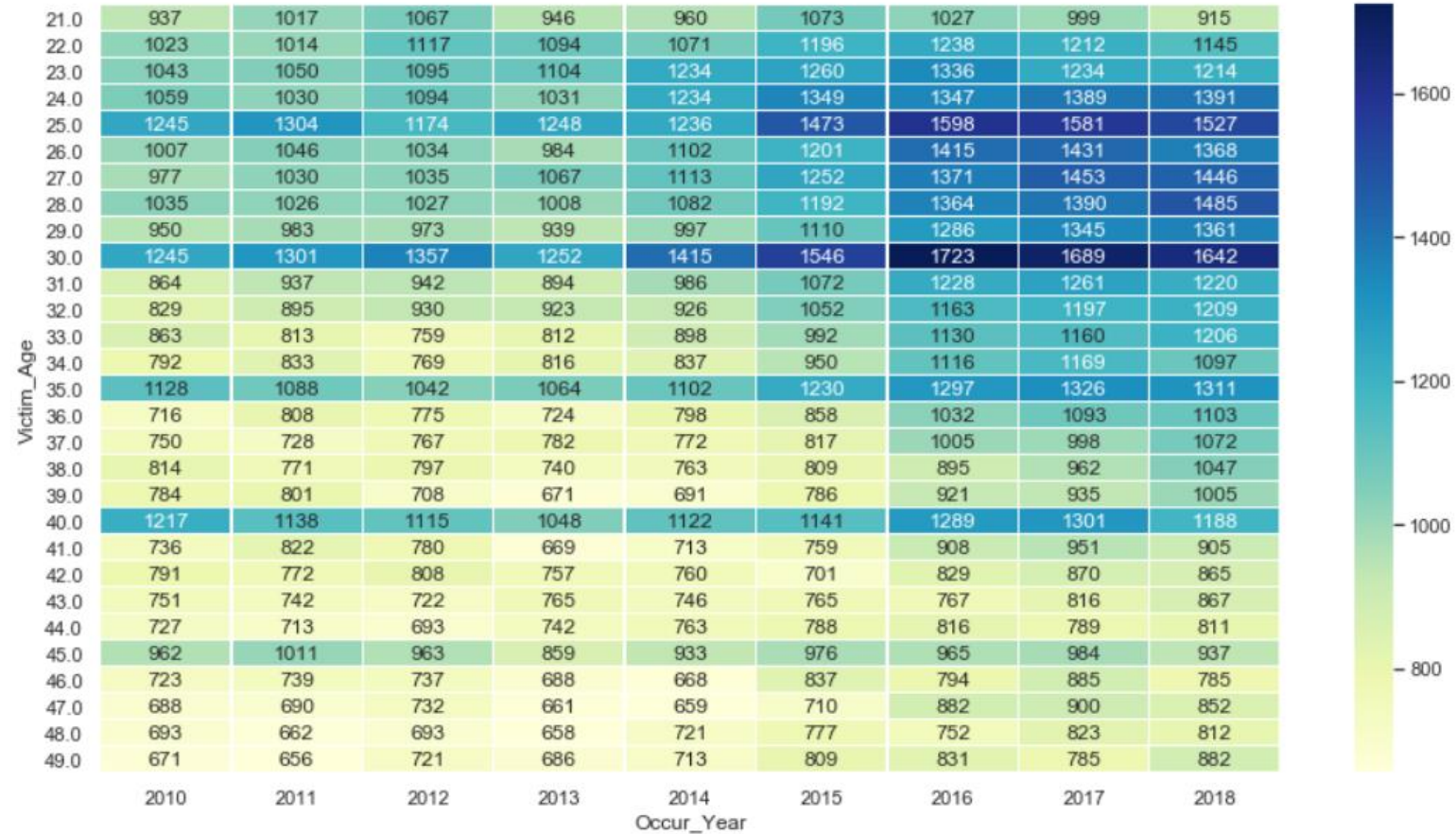
Trends on collisions – by sex



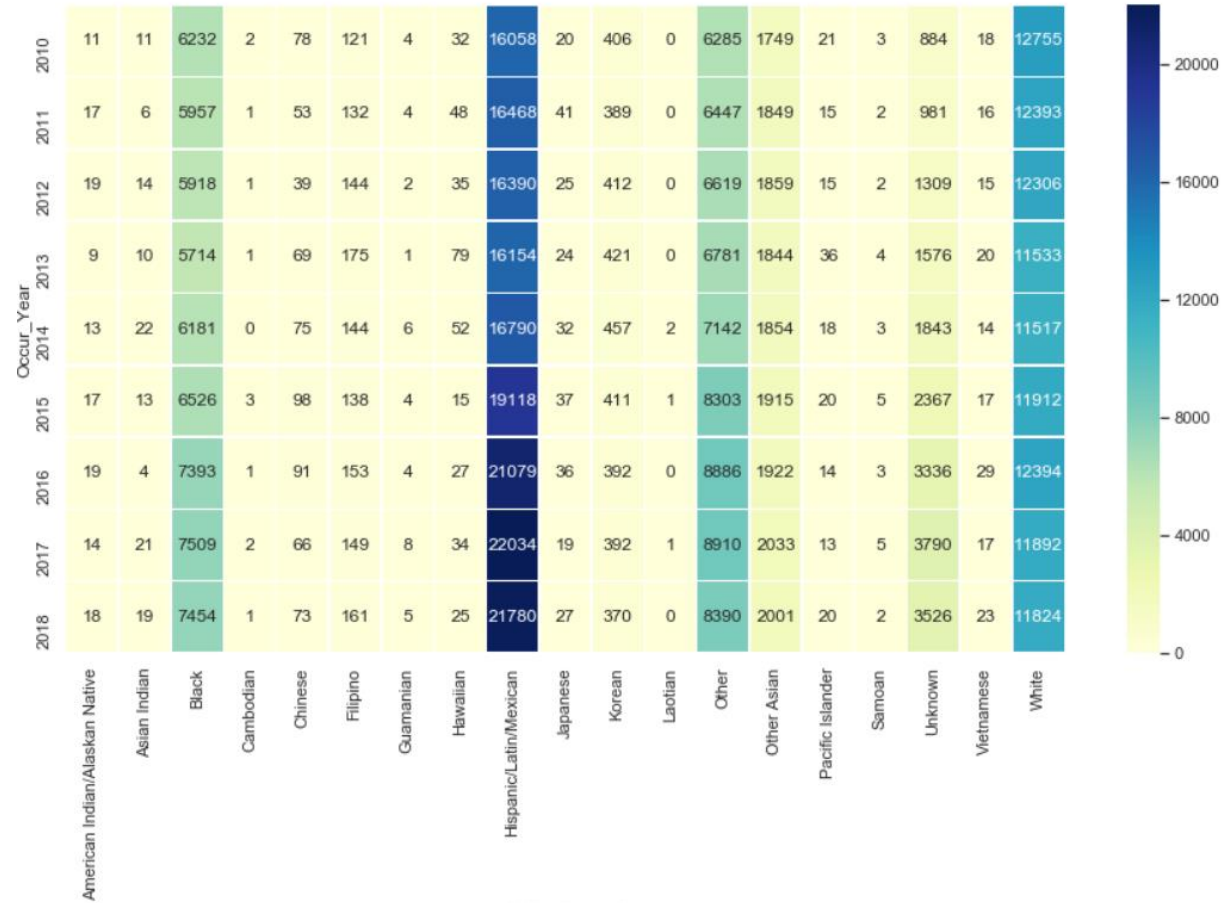
Trends on collisions – by age (1)



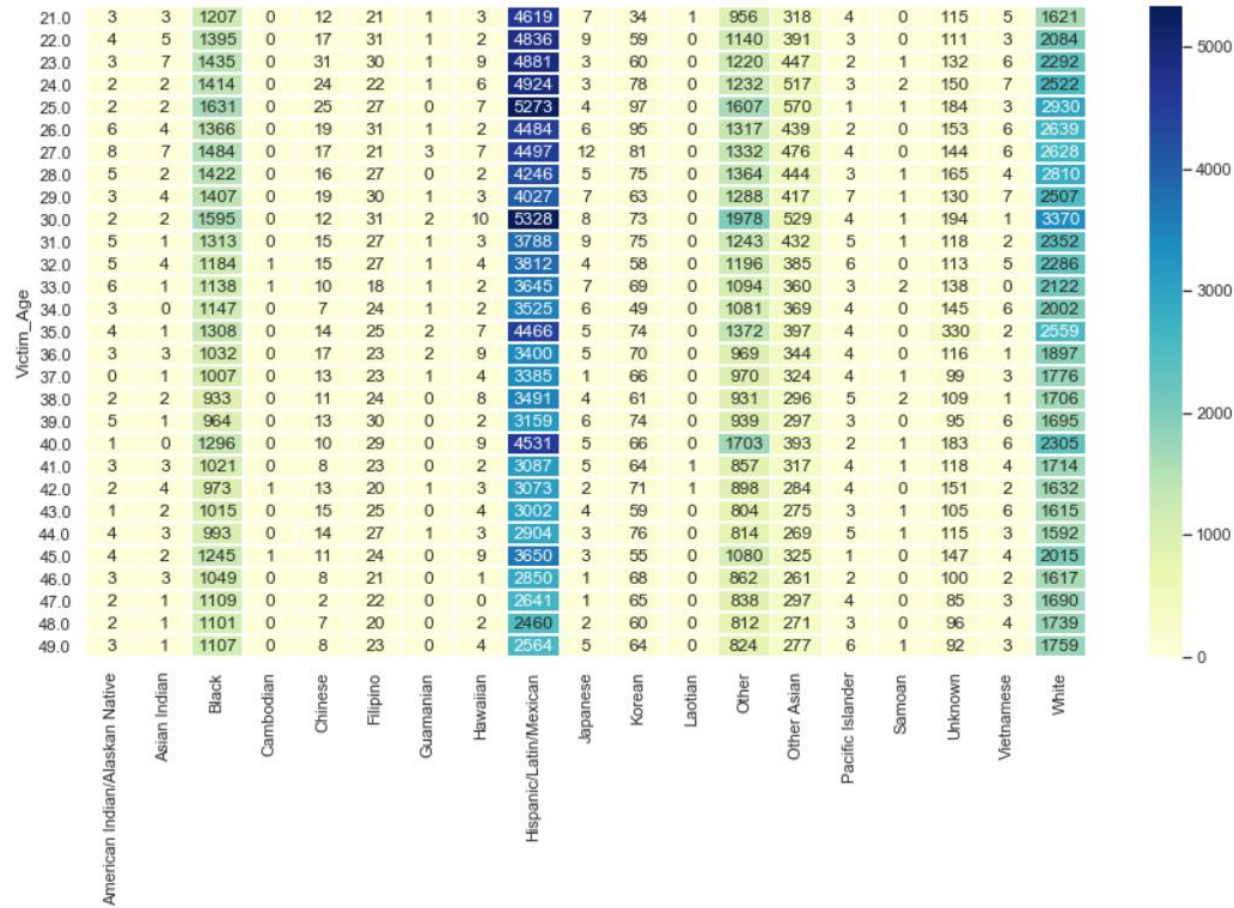
Trends on collisions – by age (2)



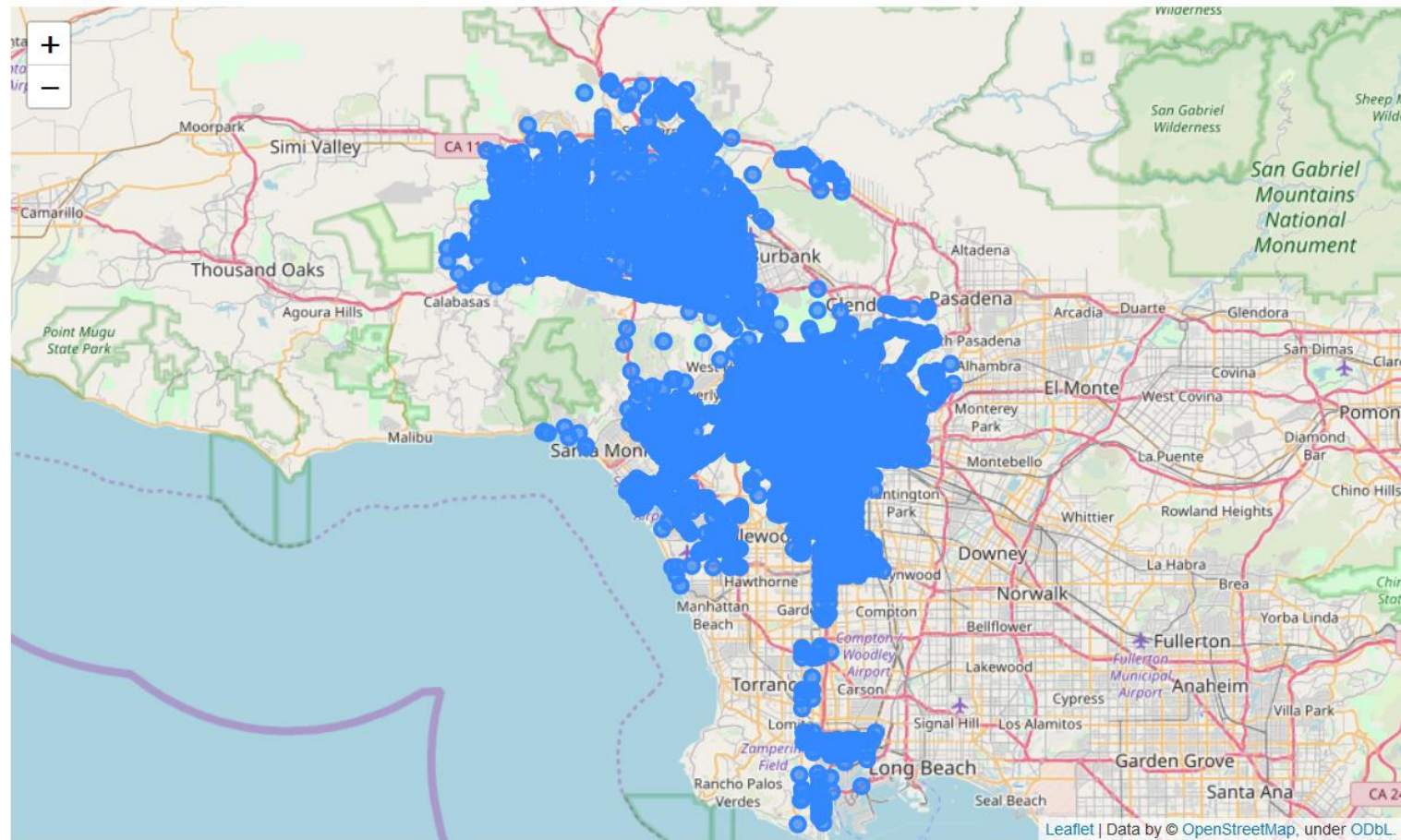
Trends on collisions – by race (1)



Trends on collisions – by race (2)



Distribution on collisions (1)



Distribution on collisions (2)

