

DTU



Group 12

62444 - Data visualization and analysis

Agenda

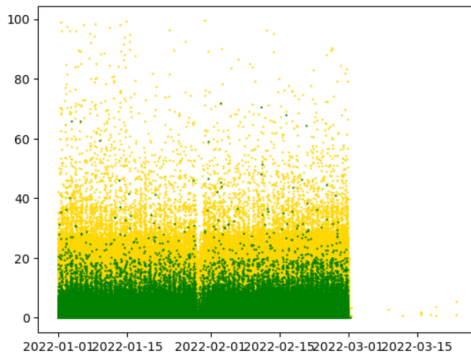
- Project 4
 - Task 1
 - Task 2
 - Task 3
 - Task 4
 - Task 5
- Project 5
 - Task 1
 - Task 2
 - Task 3
 - Task 4
 - Task 5

Project 4

Analysis and Forecasting of NYC Taxi Rides

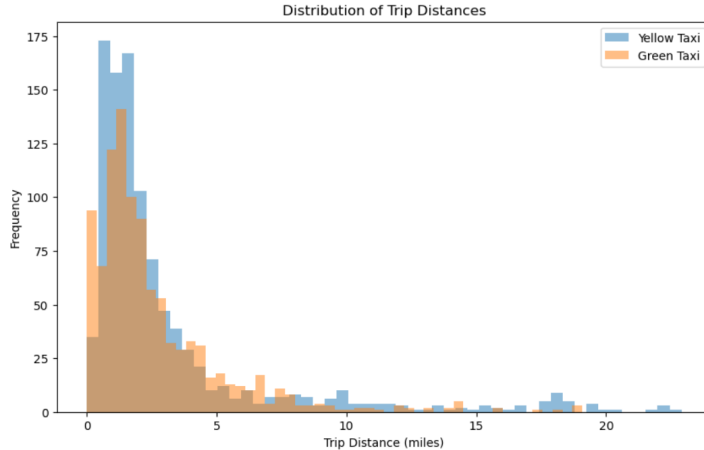
Task 2

The first thing we wanted to know we the difference between the green and yellow taxi



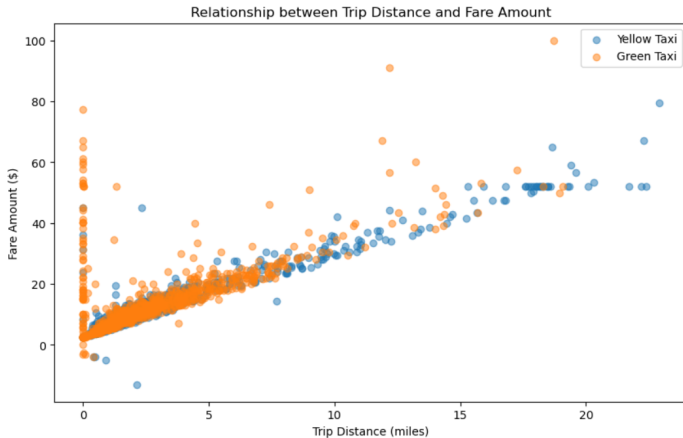
Task 2

Here we are looking at the distribution of the trip distances



Task 2

We have also been looking at the correlation between distance and fare amount



Task 3

Drop off and Pick up for Green and Yellow Taxis

Drop off

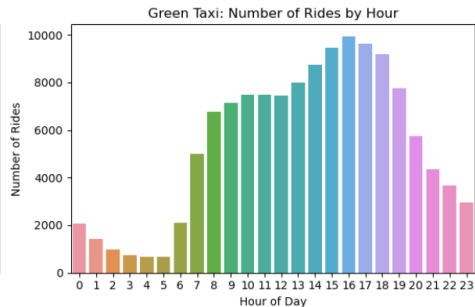
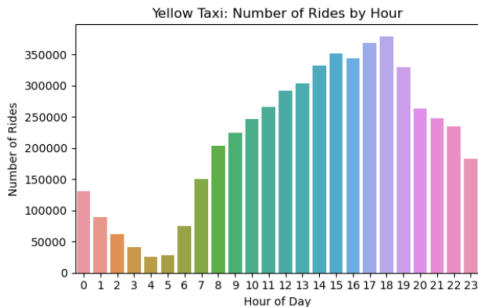


Pick up



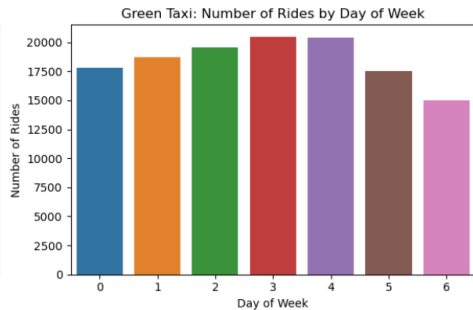
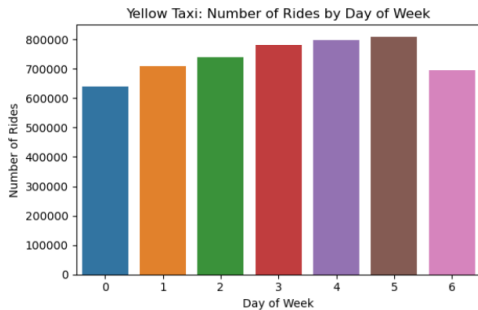
Task 4

Here we have shown taxis pr hour pr day



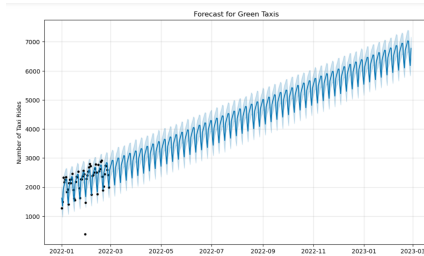
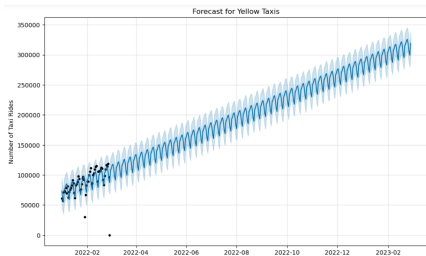
Task 4

Here we have shown taxies pr day pr week



Task 5

Here we have to make a forecast for both Yellow and Green taxi, so we have used data for one month and forecasting it for one year

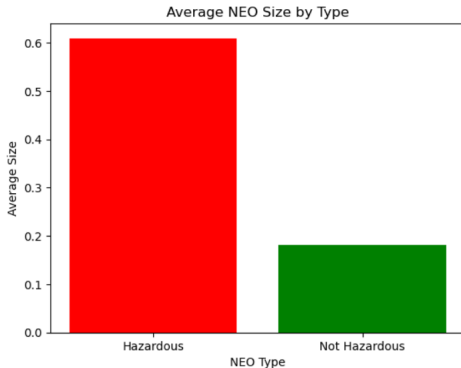


Project 5

NASA Data Acquisition, Visualization, and Analysis

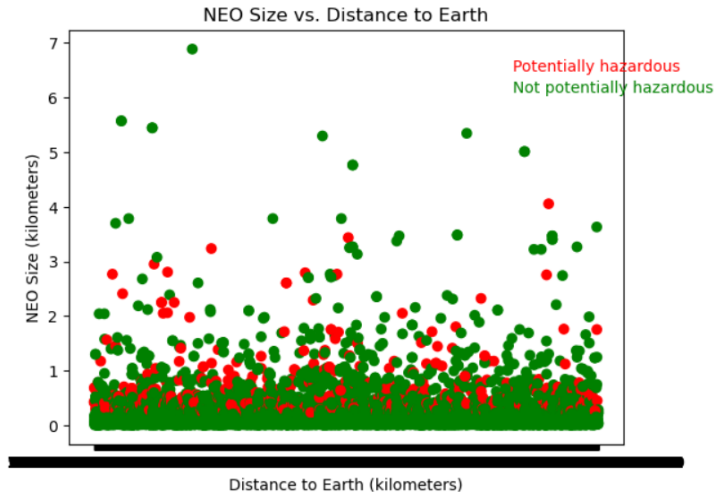
Task 2

We tried to find out if there is a correlation between the size and the danger



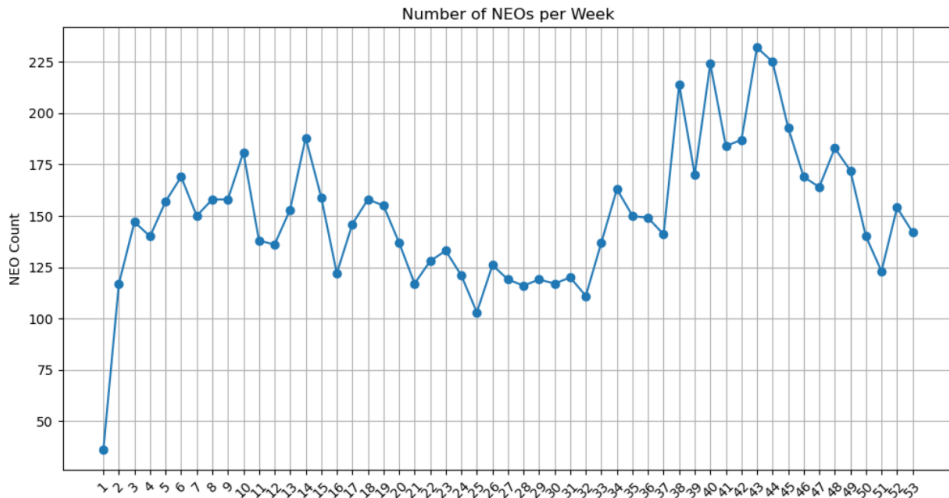
Task 2

We have looked at the size compared to the distance to earth



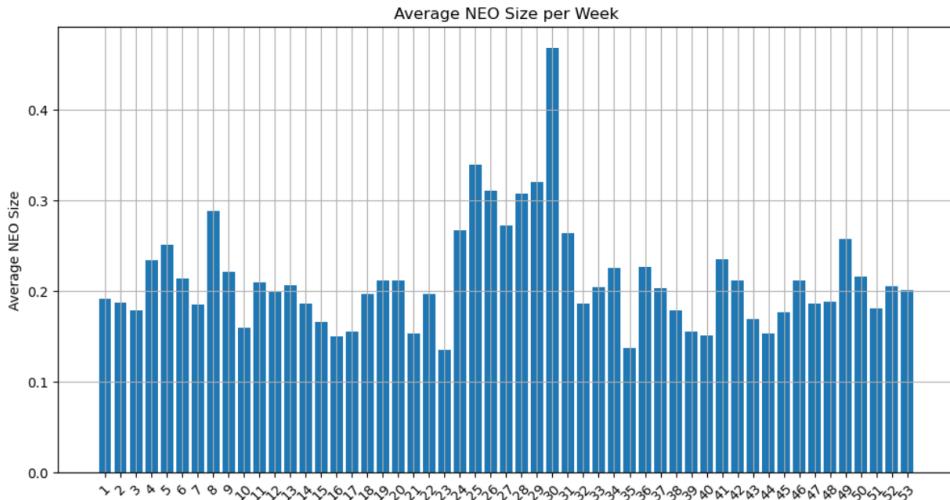
Task 3

We have found the distribution of NEO's pr year



Task 3

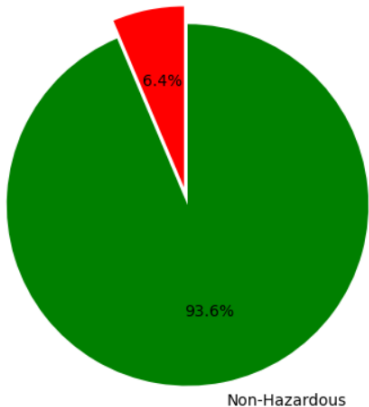
We would like to see what the average size of the observed NEO's are



Task 4

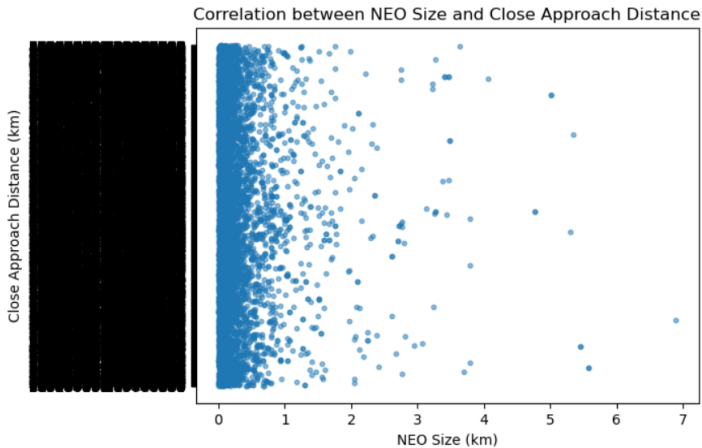
We wanted to look how big a percentage of the NEO's are hazardous

Proportion of Hazardous vs Non-Hazardous NEOs



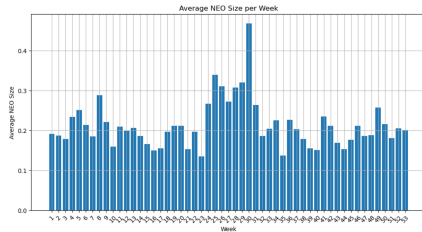
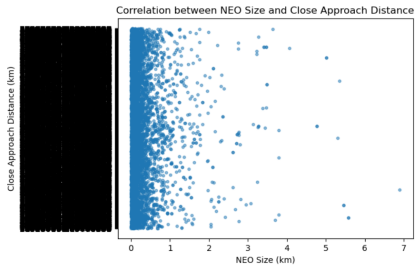
Task 4

Then we made a scatter plot with the correlation of size and distance



Task 5

The correlation between the distribution of size and when observed



Task 5

The correlation between hazardous NEO's and when observed

