



G2M Case Study

Virtual Internship

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9-March-2021



G2M Cab DataSets



XYZ is a private firm in US. Due to remarkable growth in the Cab Industry in last few years and multiple key players in the market, it is planning for an investment in Cab industry and as per their Go-to-Market(G2M) strategy they want to understand the market before taking final decision.

Objective : Provide actionable insights to help XYZ firm in identifying the right company for making investment.

Dataset:
Cab_Data
Customer_ID
Transaction_ID
City

Data Exploration

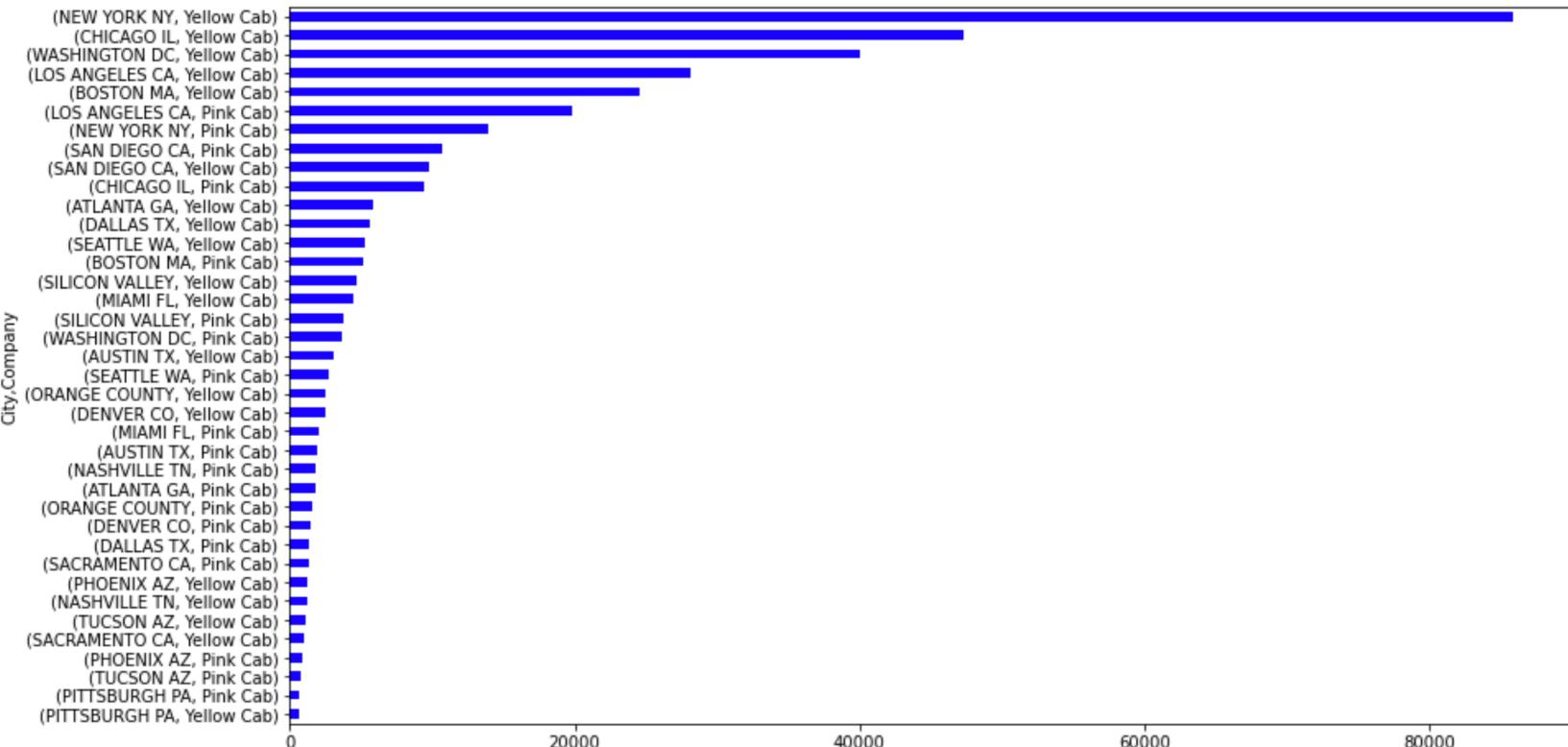
- 17 Features
- Timeframe of the data: 31/01/2016 to 31/12/2018
- Total data points : 359392
- Format : csv

Analysis:

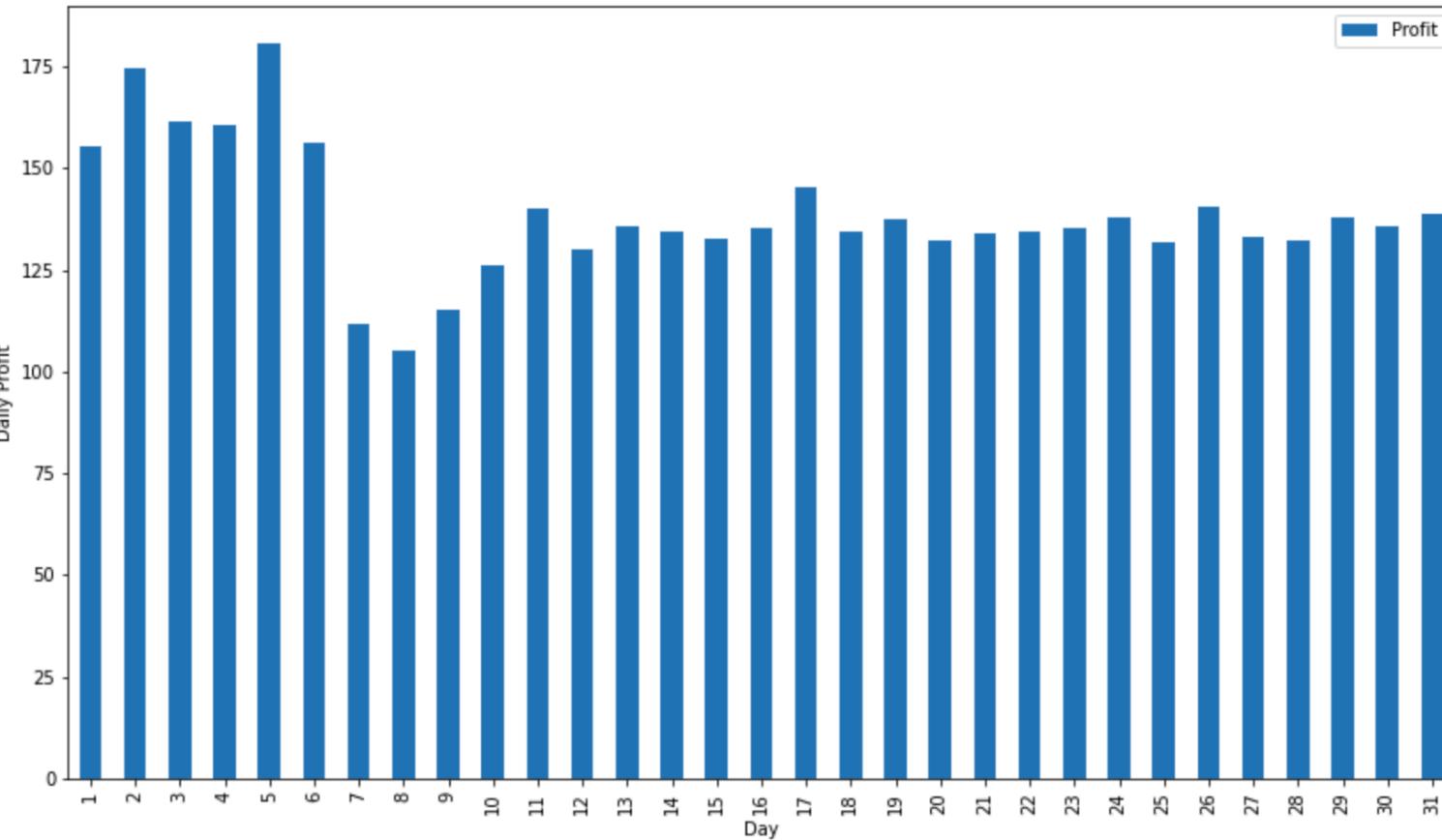
- Merge dataset
- Convert date column
- Create new column
- EDA
- Hypothesis

Cab Analysis

Yellow Cabs are
the most cabs

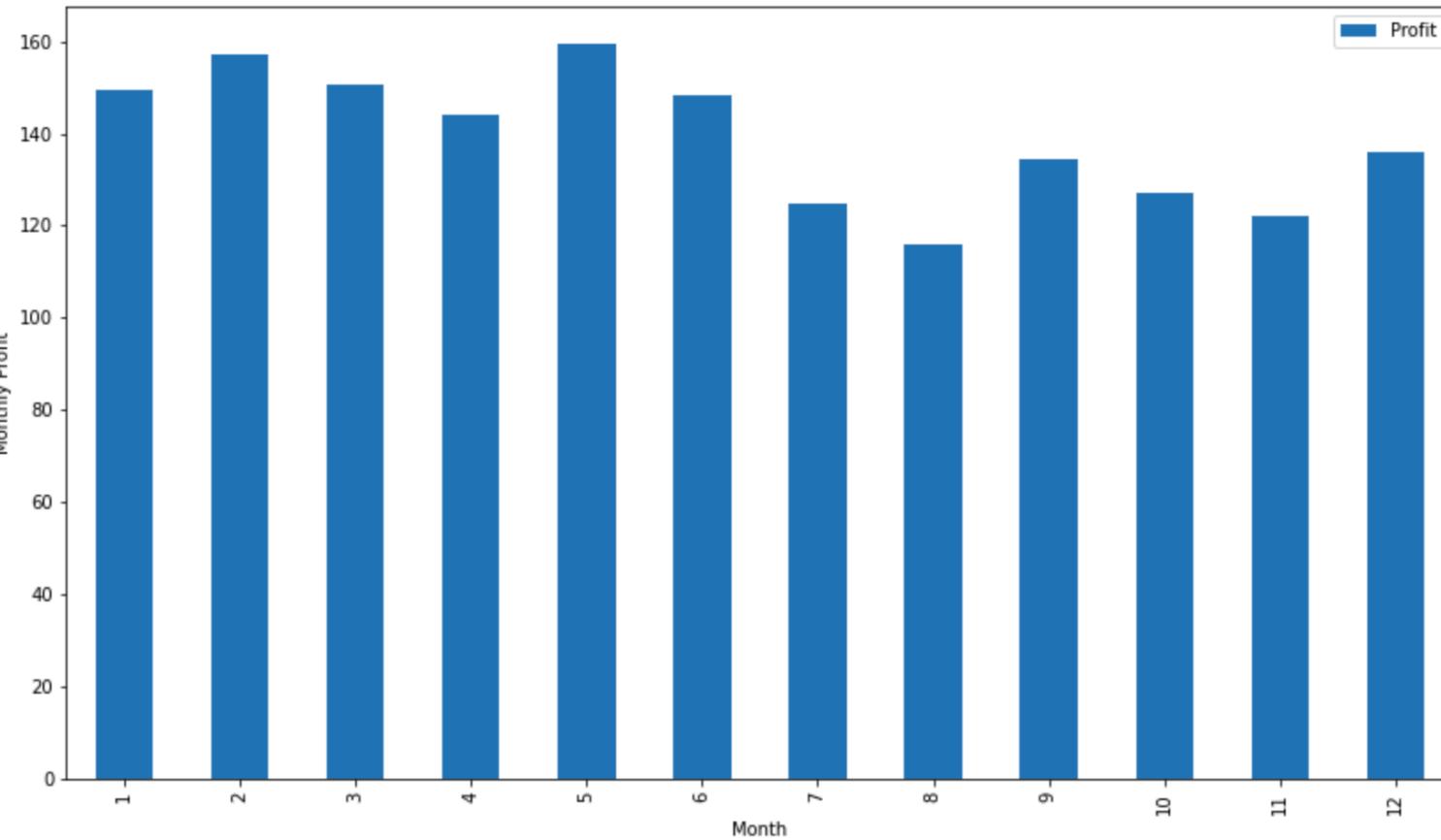


▪ Daily profit Analysis



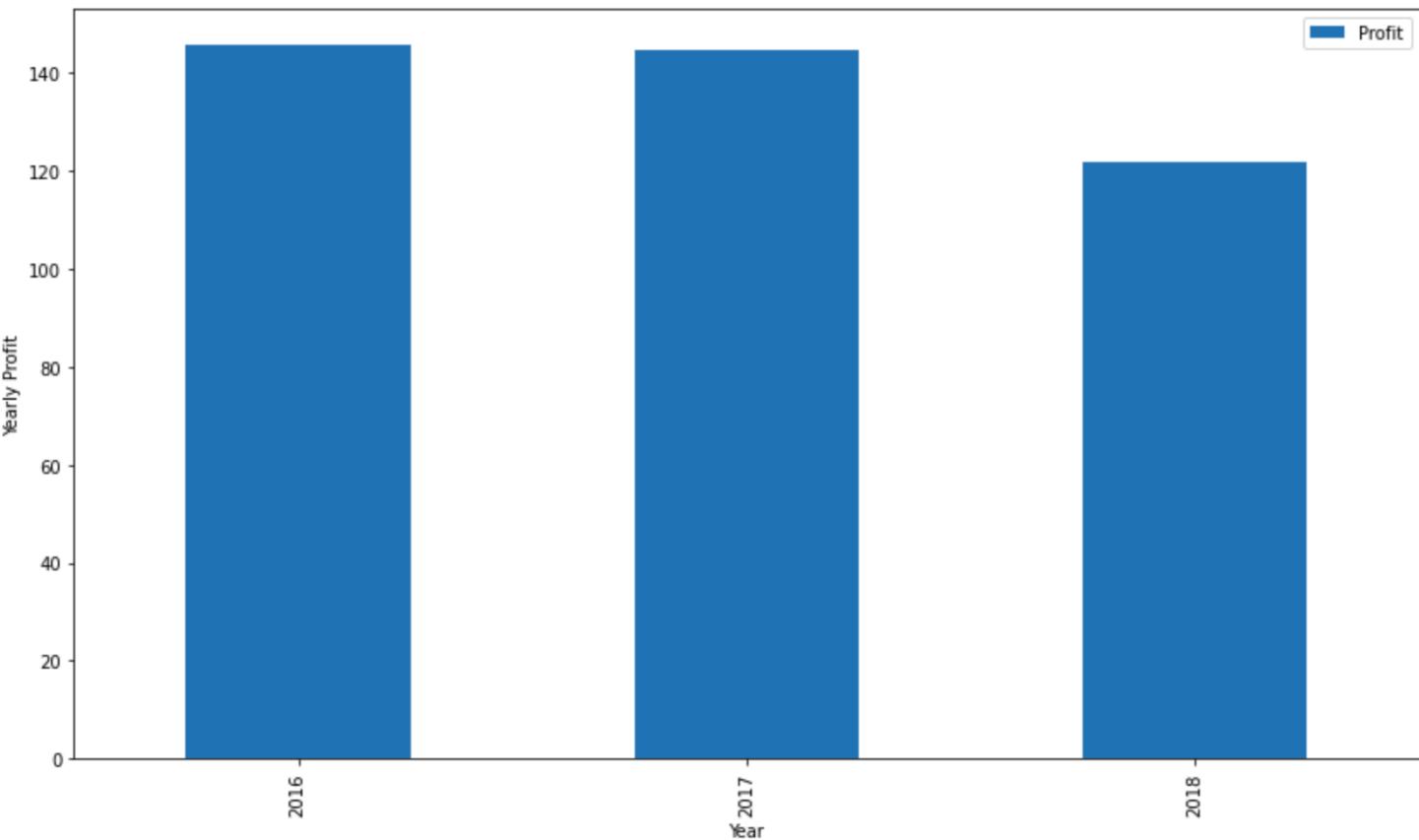
There is some seasonality over a month. Profit is higher in the beginning of a month.

Monthly Profit Analysis

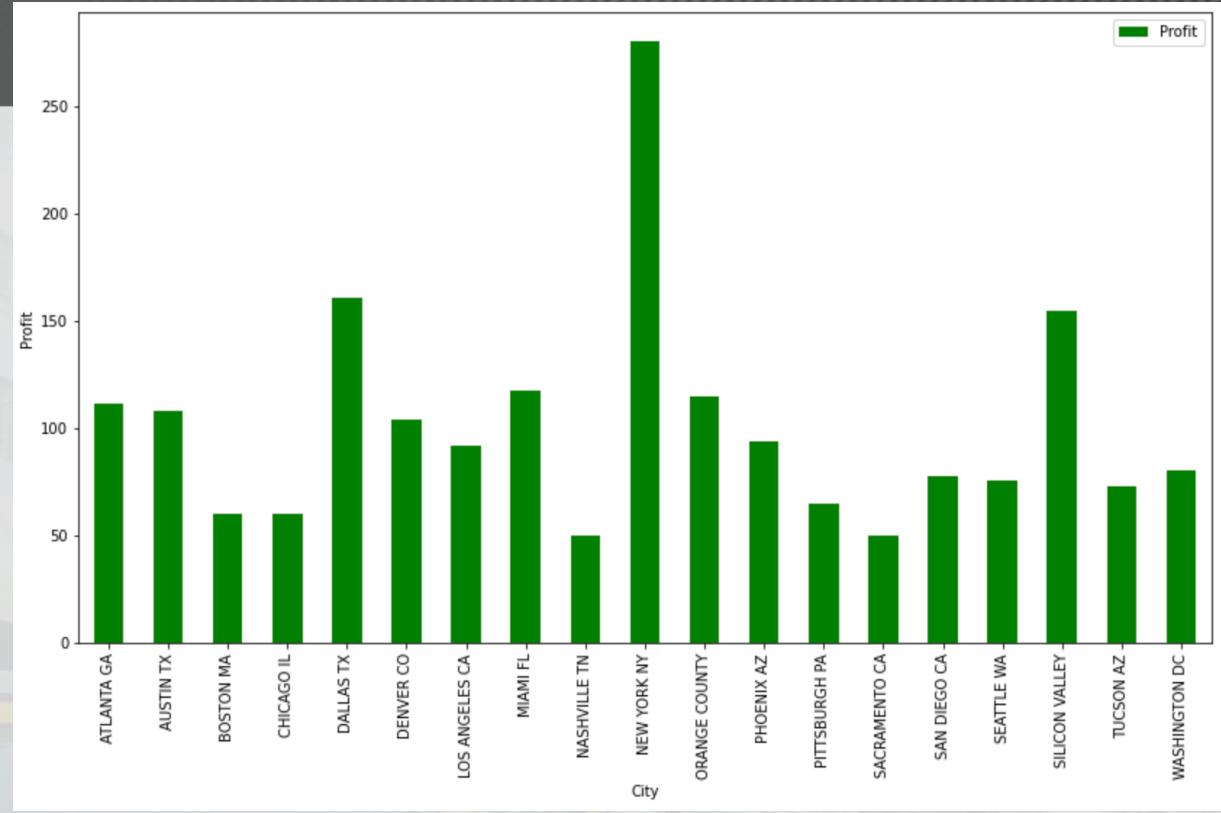


During the months of February and May people tend to travel larger distance and hence the profit charged is more.

Yearly Profit Analysis



In 2018 price charged was comparatively less than 2017 and 2016.

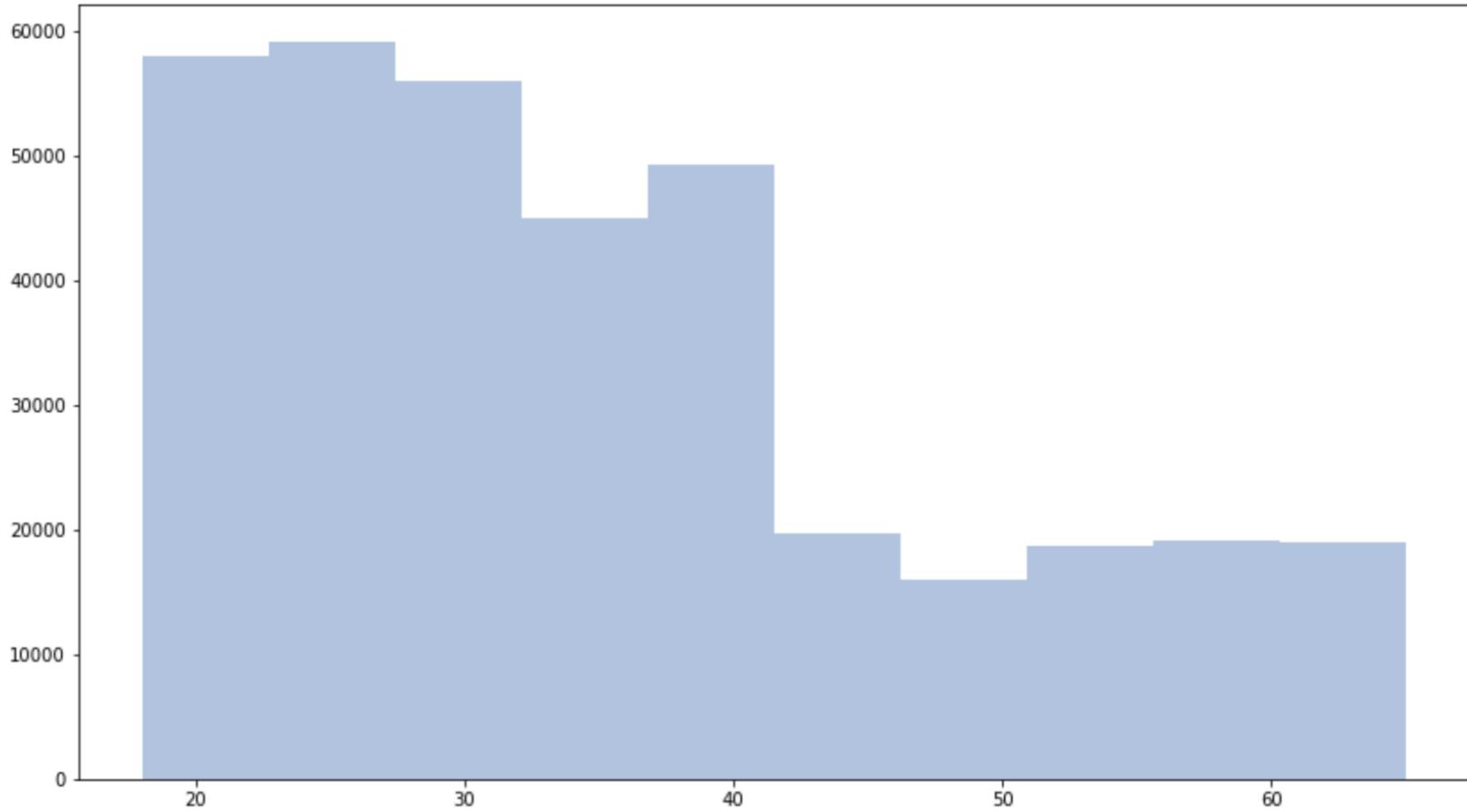


Top cities with highest profit

NEW YORK NY, DALLAS TX,
SILICON VALLEY and MIAMI FL
are the top cities with the
highest profit

■ User's age

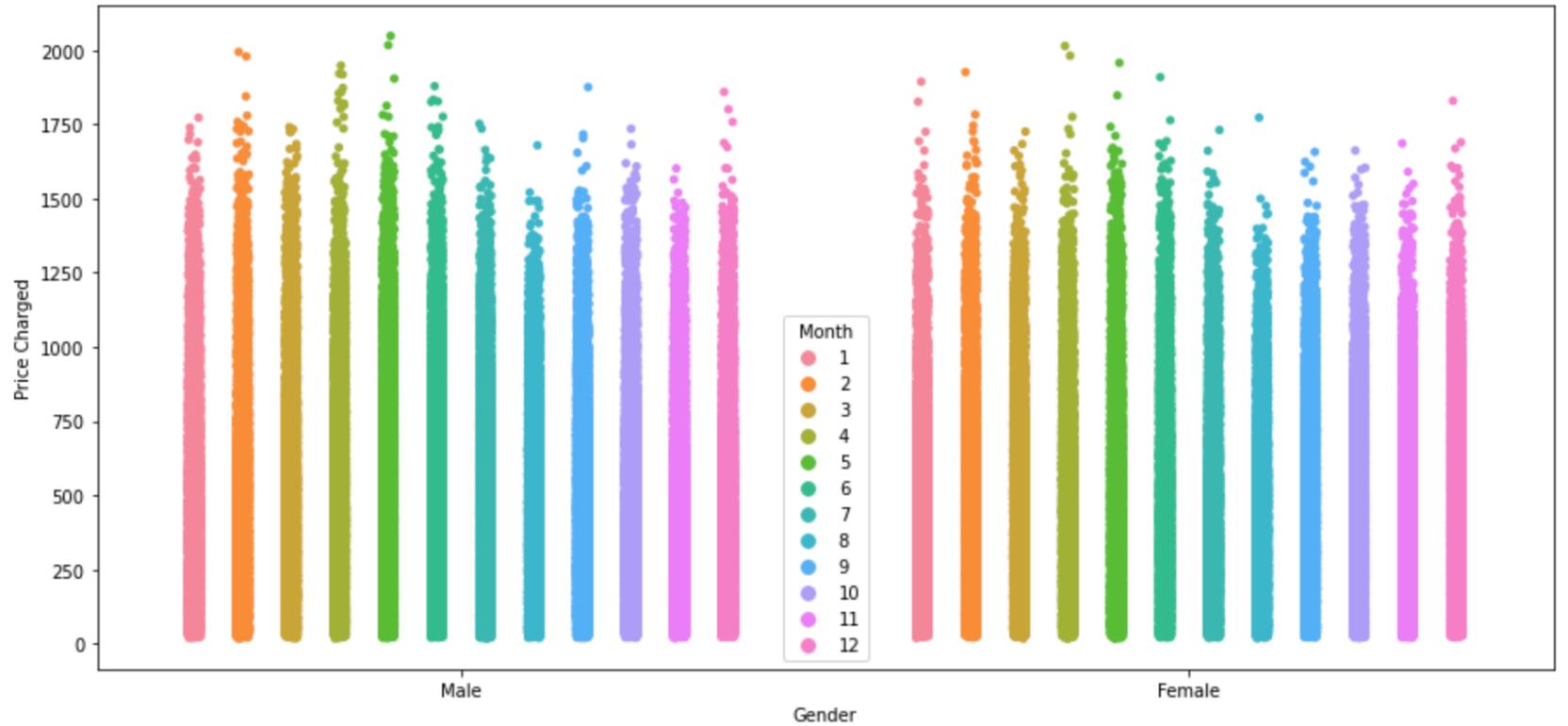
Most of the users
are between 20
to 40 years



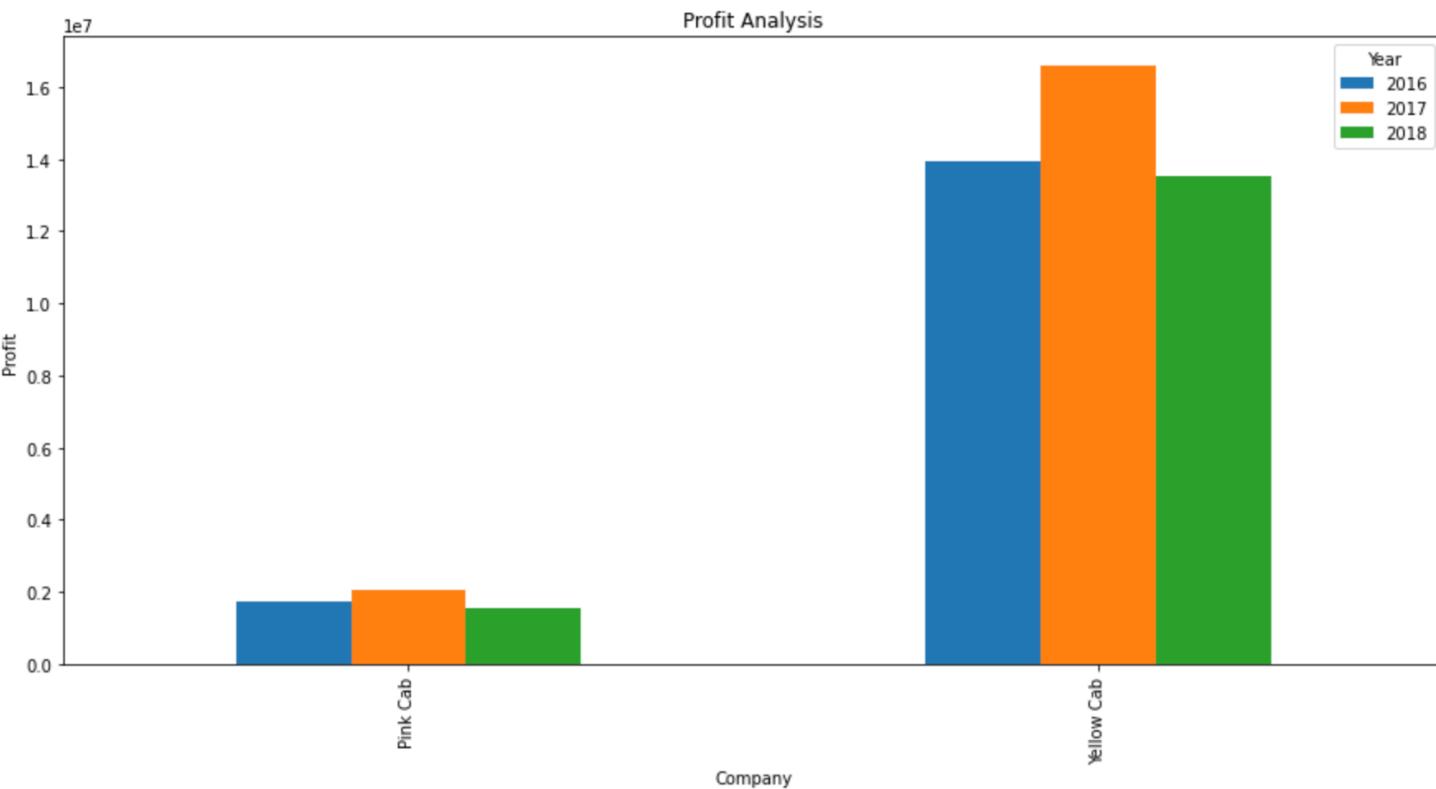


Price difference based on gender

There is no discount for Female customers as the price distribution is very similar for both gender considered over yearly.



Preferred Cab Company

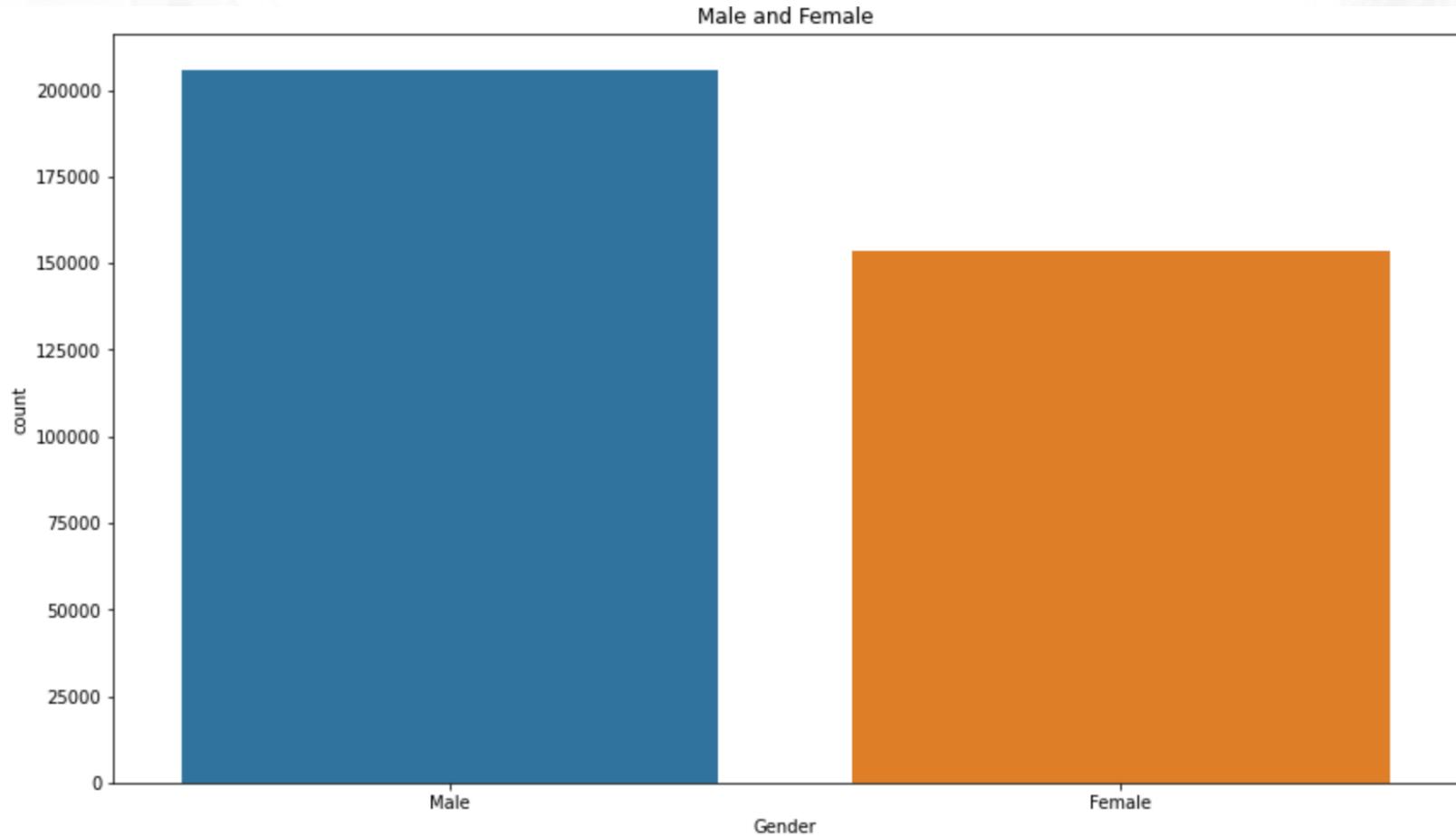


- *Yellow Cabs are used more than Pink Cabs.*
- *More than 76% cabs.*



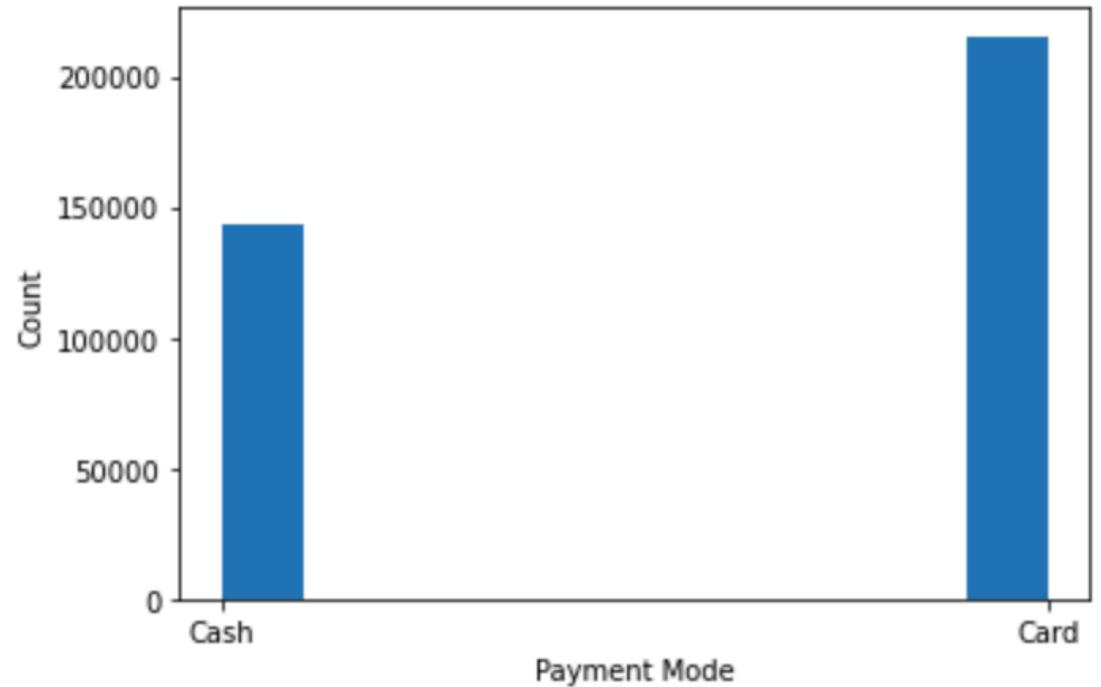
Gender Analysis

Male customers more than female



Payment Analysis

*Card is preferred
over cash payment*



Hypothesis



- *KM Travelled*

p-values 0.007448586391893619, we are rejecting null hypothesis

- *Price Charged*

p-values 0.7531470891273166, we are accepting null hypothesis

- *Age*

p-values 8.61181075357829e-08, we are rejecting null hypothesis

- *Income (USD/Month)*

p-values 0.13754435916764565, we are accepting null hypothesis

- *Profit*

p-values 0.31890486823165864, we are accepting null hypothesis

Recommendations



We have evaluated both the cab companies on following points and found Yellow cab better than Pink cab:

Customer Reach : Yellow cab has higher customer reach in most of the cities while Pink cab has higher customer reach in very few cities.

Users age : Most of the users are between 20 to 40 years

Mode of payment : Card payment is preferred over cash payment generally so XYZ private firm could offer some discounts on card payment which would further increase the no. of customer which in turn would increase the profit.

Profit : It was observed that the cost of travel was uniform across the cities, but the price charged was the highest in NEW YORK NY, DALLAS TX, SILICON VALLEY and MIAMI FL

Gender : It was observed that male customers more than the female customers.

After analyzing all the points, Yellow Cab Company is highly recommended for investment.



A photograph of a busy New York City street, likely Times Square, showing several yellow taxis and other vehicles. The background is filled with tall skyscrapers. A large, semi-transparent graphic element is overlaid on the right side, consisting of a yellow diamond shape and a grey triangle pointing towards it.

THANK
YOU