Exploratory Data Analysis

G2M Insight

11-Oct-2021

Introduction

• XYZ is a private equity 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.
• Objective : Provide actionable insights to help XYZ firm in identifying the right company for making investment.
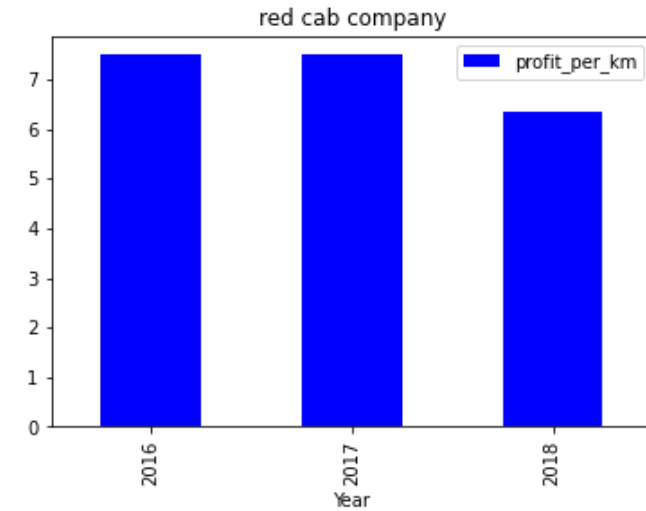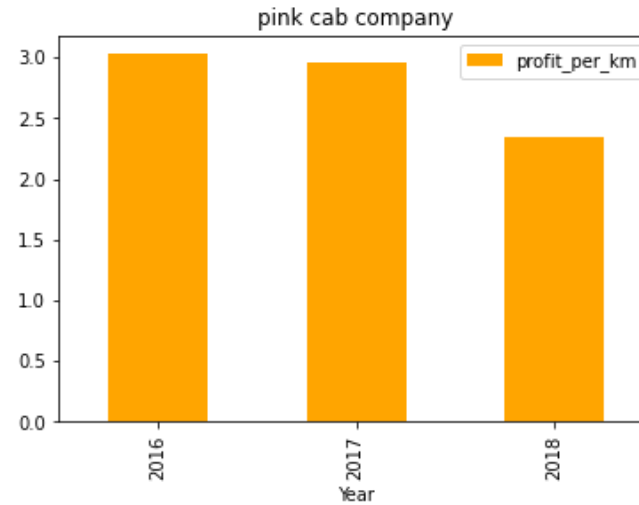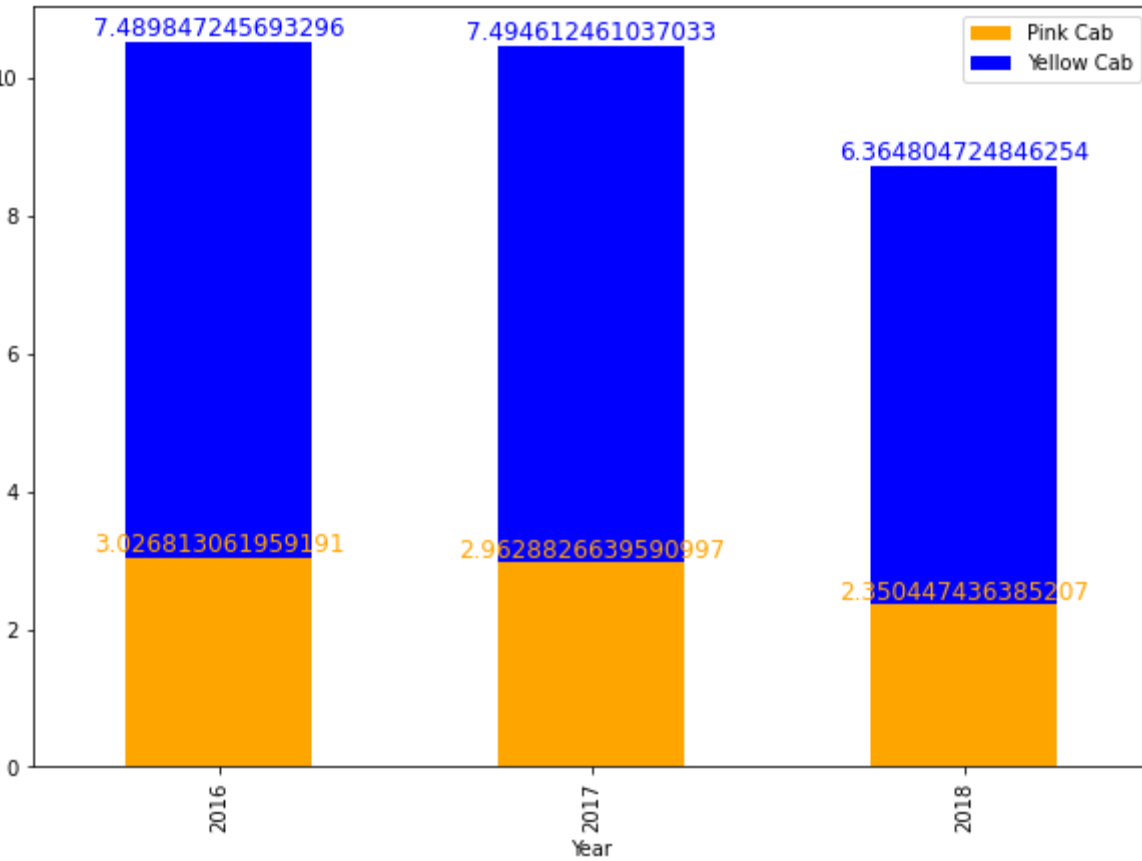The analysis has been divided into four parts:
• Data Understanding
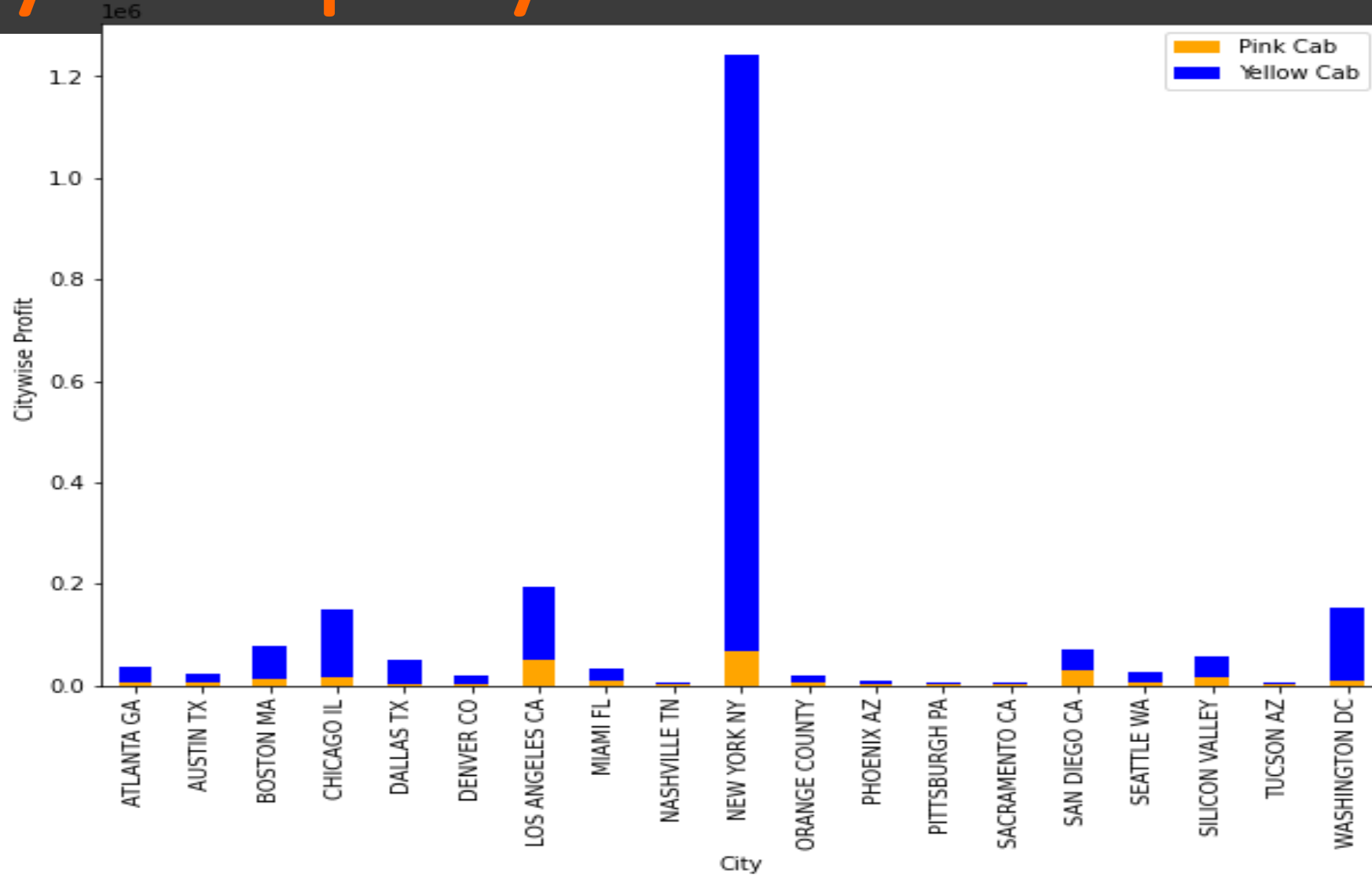• Forecasting profit and number of rides for each cab type

Data Exploration

- 24 Features(including 9 derived features)
- Timeframe of the data: 2016 to 2018
- Total data points :355,032
- All datasets are gathered together in alldata DataFrame.

Profit Analysis
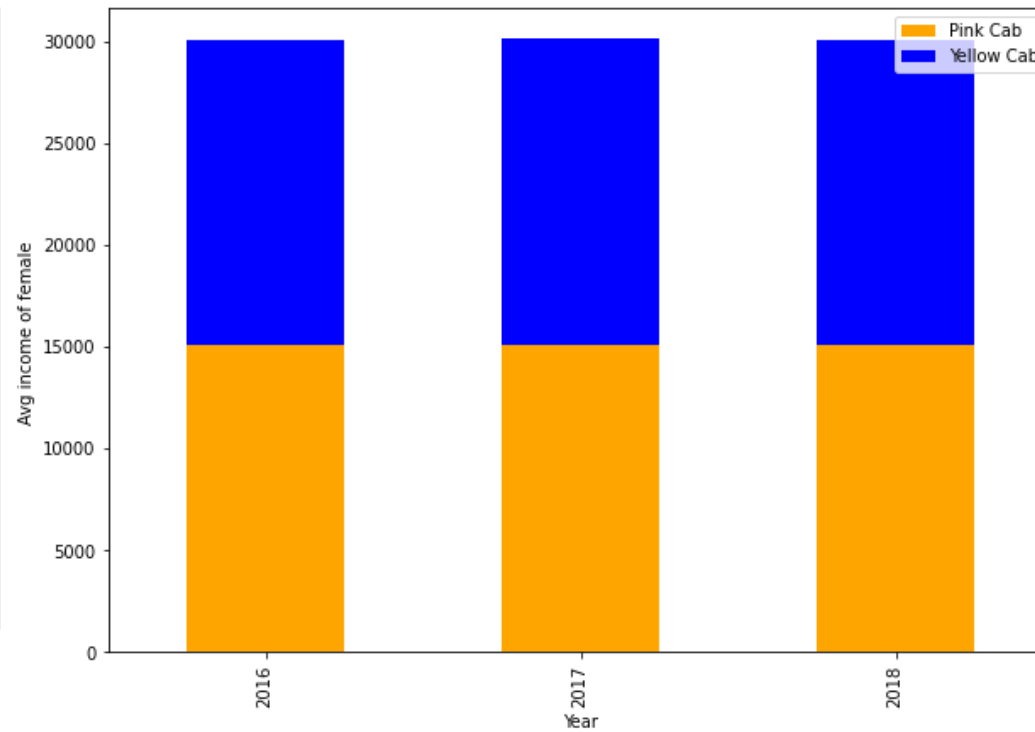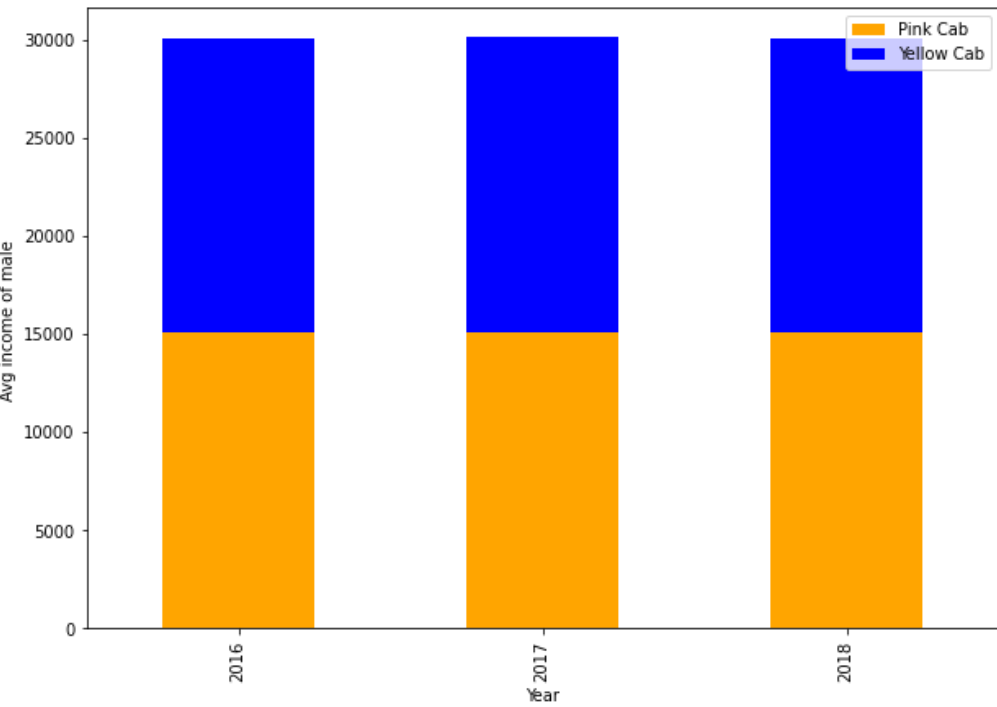
Average Profit per year

City Wise Cab Users   Covered By Company

• This is the number of users covered by Yellow and Pink cab In the city against all cab users present In the city
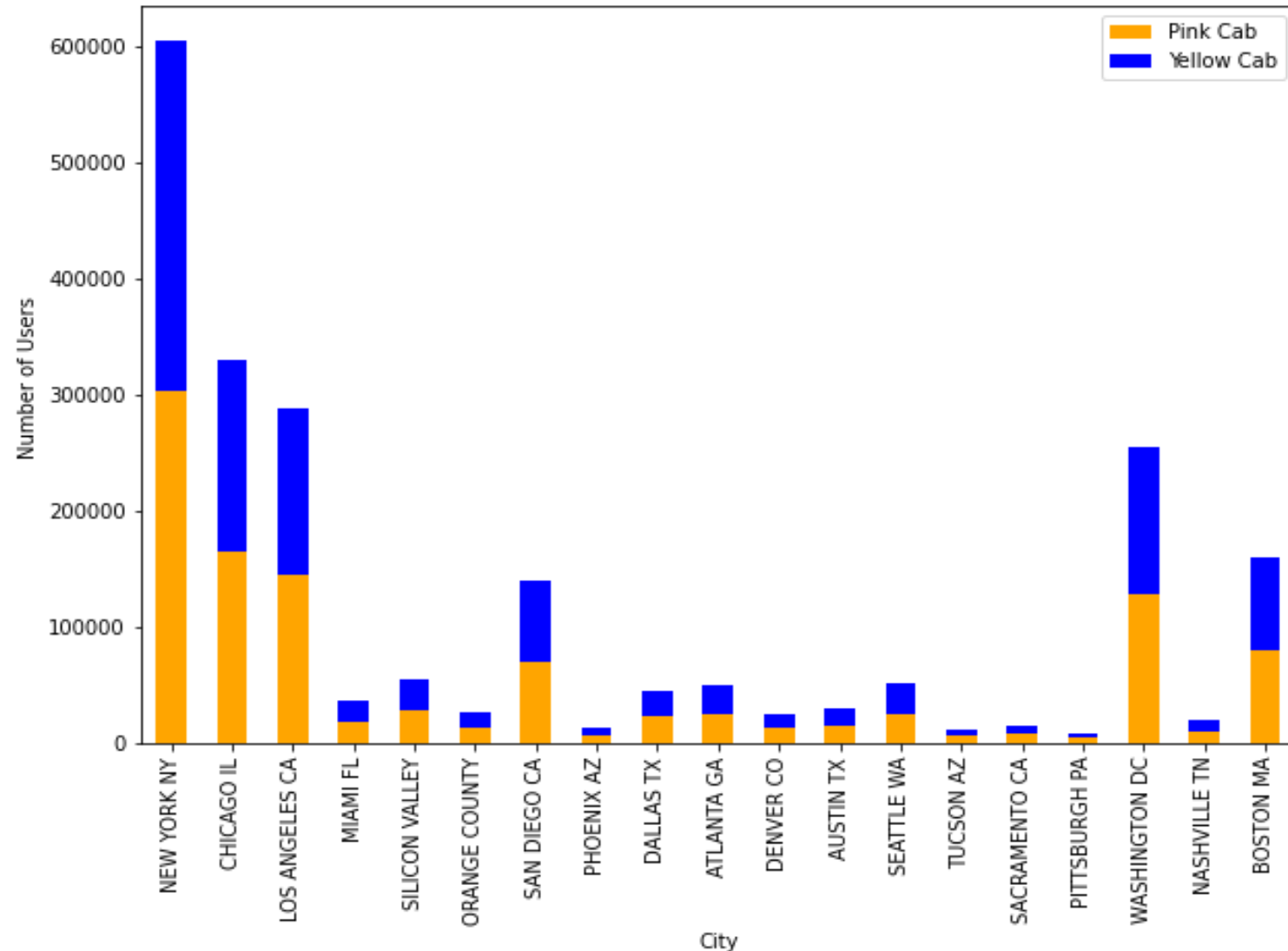
Profit Analysis based on Gender

Genderwise contribution in profit

• There is almost equal distribution of gender in the Profit and customer base of both the cab
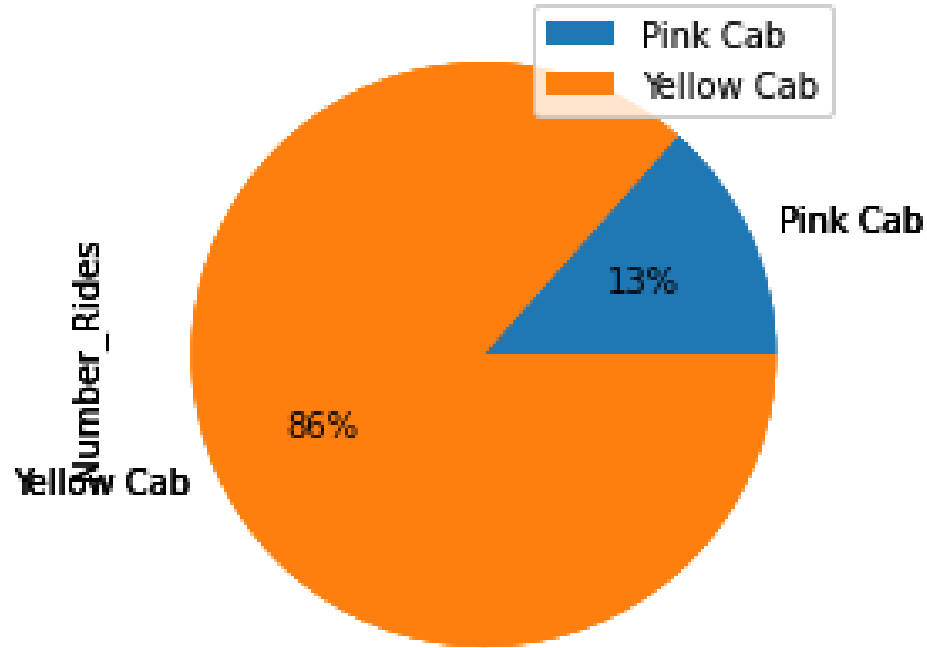
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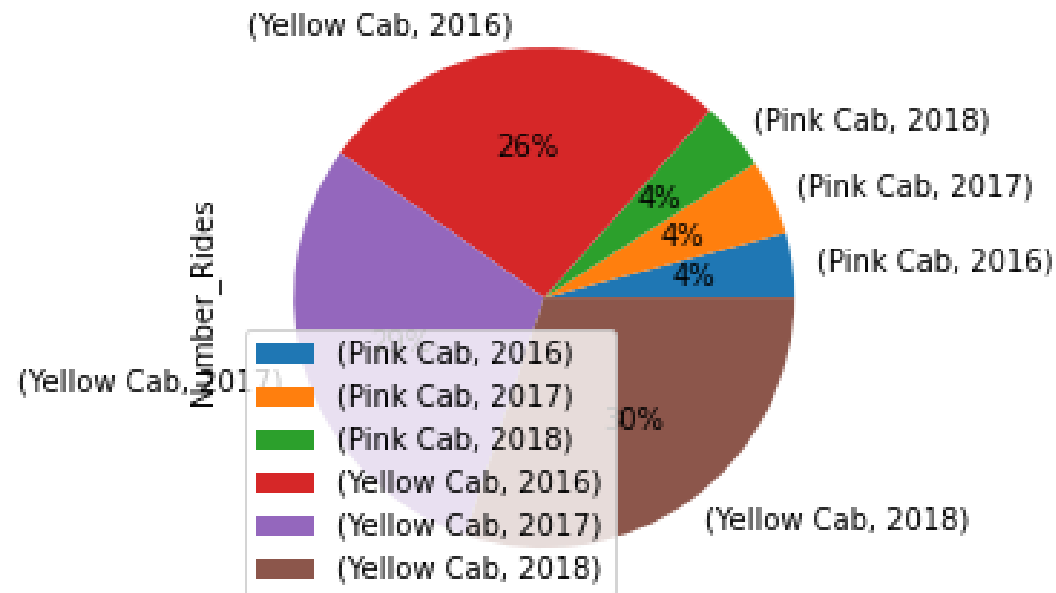
Rides Analysis

Number of Rides of differrent companies in 3 Years

Rides Analysis

Number of Rides of differrent companies in Each Year

Thank You