

TAXICABS COMPANY

Introduction

My project it will try to solve TAXI Company problem they need to improve the distributions of the taxi cars

Around the train stations and they need to know the time that will be crowded to increase number of cars in the stations in specific time to serve the passengers faster and reduce the traffic around some stations that has less passengers

For Example

Station A (Centre Stations) from 5:00 AM to 9:00 PM always crowded of passengers so we will need to increase number of Taxi in this station at this time,

While in Station B it's a normally crowded all the day so we don't need to provide a lot of cars. This will benefit for the company they will have good plan to distribution the cars around the stations , arrange the time that will improve to increase in income, so I will try to solve this problem by taking the data and analysis it and make plan to develop the company

Data Discretion and tools

We used historical data from MTA's turnstiles, deciding to focus on data from February and March 2019.

I found 11 columns and more than 2000000 rows there is important columns for me I will use it to going on my project [stations, Date, Time, Exit, Unit]

Date: will help me to analysis and comparing between summer and winter.

Time: to discover when the number of people increase or decreases in stations.

Stations: to know the name of the stations and try to distribution the cars in the right stations.

Exit: analysis the average number of people that exit from station and maybe using the caps.

About the months I will choose 6 month in 2019 [3 month for summer, 3 month for winter].

And About the tools I will use a lot of tools that will help me like python, jupyter, SQL, seaborn, Pandas, numpy, Matplotlib and seaborn libraries.

in conclusion , I expected from analyse this data it will help me a lot to provide great plan for this company , improve company services and increase the benefit

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