

Business Understanding

Business Overview

Autolib' service maintained a fleet of all electric blue cars , utilib and utilib 1.4 for public use on a paid subscription basis, employing a citywide network of parking and charging stations. From my research I have realised that autolib has three types of cars that are blue cars which are used for people while utilib and utilib are used to transport goods and products.

Business Objective

Identify the most popular hour of the day for picking up a shared electric car (Bluecar) in the city of Paris over the month of April 2018

Business Success Criteria

We compile the dataset we have been given

Assessing the Situation

The link of our datasets is here [\[http://bit.ly/autolib_dataset\]](http://bit.ly/autolib_dataset)

Data Preparation

These are the steps followed in preparing the data

1.Loading Data

Loaded the datasets from the CSV and then created an pandas database from Them.

2. Cleaning Data

While doing data exploration, we noticed that in our dataset we had many columns that will not be using them so we had to remove them . Those columns are cars , displayed comment , geo point, status and subscription status. Afterwards we had to check if our datasets had null values and duplicate figures. We found out that

our datasets had no null value and duplicate figures. Then the last process was to convert all column names to lowercase.

3. Exporting the clean dataset

After cleaning the data, it was time to export the clean dataset.

Analysis.

During our analysis, we were able to single out the following What is the most popular hour for returning cars?

- What station is the most popular?
- At the most popular picking hour?
- What postal code is the most popular for picking up Blue cars?
- Does the most popular station belong to that postal code?

Recommendations

From our analysis, we would recommend that the most popular hour of the day for picking up a shared electric car (Bluecar) in the city of Paris over the month of April 2018 is early hours because many blue cars are returned in the evening.

GITHUB LINK:

<https://github.com/kelvinnjunge/Prep-week-4>

JIRA LINK

<https://kevs.atlassian.net/secure/BrowseProjects.jspa>