



FLOWER COMPANY

Project Proposal

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01

MTA

Overview

The Metropolitan Transportation Authority (MTA) corporation responsible for public transportation in the New York City metropolitan area of the U.S. state of New York. The MTA is the largest public transit authority in the United States, serving 12 counties , carrying over 11 million passengers on an average weekday systemwide, and over 850,000 vehicles on its seven toll bridges and two tunnels per weekday

02

FLOWER COMPANY

Overview

Flower company all about agriculture, product and roses & flowers care and how to treat it, focuses on it services to provide its customers the best quality exceeding their expectations.

03

Data Description

THE FLOWER COMPANY PLANNED TO OPEN BOOTH IN MTA TO BENEFIT FROM THE TIMES OF HOLIDAYS AND OCCASIONS. BY REFERRING TO TRANSPORTATION STATION'S DATA, FLOWER COMPANY WILL BE ABLE TO KNOW WHICH STATION'S ARE MORE CROWDED AND IN WHICH DAY'S AND OCCASIONS. SUCH DATA ANALYSIS WILL ALLOW THE COMPANY TO PLAN WELL WHERE TO OPEN ITS BOOTH

Question :

- WHAT DATA WE NEED TO USE ?
- WHICH STATION WILL THE BOOTH OPEN AT ?
- WHAT DAYS DO PEOPLE WANT TO BUY FLOWERS?

04

Dataset

THE REQUIRED DATA THAT FLOWER COMPANY TO
KNOW IS THE NUMBER OF PASSENGERS IN
TRANSPORTATION STATIONS AND THE TIME DURING
HOLIDAYS SPECIFICALLY:
NEW YEAR DAY (1ST OF JANUARY),
VALENTINE DAYS (14TH OF FEBRUARY AND 4TH OF
NOVEMBER),
MOTHER'S DAY (21TH OF MARCH),
CHRISTMAS DAY (24TH & 25TH OF DECEMBER).
ALSO, FLOWER COMPANY NEEDS TO KNOW FROM MTA
THE MOST CROWDED STATIONS.

Features

STATION	Represents the station name the device is located at
DATE	Represents the date (MM-DD-YY)
TIME	Represents the time (hh:mm:ss) for a scheduled audit event
ENTRIES	The comulative entry register value for a device
EXITS	The cumulative exit register value for a device

05

Tools

- PYTHON
- NUMPAY
- SQL
- SQLITE
- PANDAS
- JUPYTER NOTEBOOK