



NA CAFÉ

PROPOSED
BY: NAJD
ALQAHTANI

DES CRIP TION

Design:

- The NA café has chain of coffee shops in NYC and wanted to open a branch in one of the MTA metro station and ask us to locate the café in the most effective location which will be the busiest station.
- Our task is utilize the MTA turnstile data retrieved online in NYC metro station from Public Transportation Authority to help NA café find the appropriate location for the new branch.

Data:

We will obtain the dataset from MTA website to analysis the data for the period from 10 July 2021 to 25 September 2021 using five features (Station, Date, Time, Entries) and that have 25, 145, 88 observations.

Algorithms

To meet the client's needs, we used SQLAlchemy to do exploratory data analysis of MTA turnstile data, which included cleaning, exploring, aggregating, and visualizing the data, as well as stored it in a database by SQLAlchemy.

Tools

- Technologies: Python, SQLAlchemy, Colab
- Libraries: Pandas, Seaborne, Matplotlib.