Mutab Alzubair

Problem statement

MAZ's Cafe is a chain of cafes under construction and expansion and has a location in New York City in Manhattan, and we plan to open one or two other locations in new places during the coming period. We will focus on other areas in New York.
Want to open café inside metro stations

Question:

1. How will turnstile data help you open coffee in different metro stations
2. Who benefits from exploring this question or building this model/system?

Utilized Dataset

To help MAZ’s decide on which station to expand in, we are going to utilize the public dataset of the MTA, which has information about the exits and entries of each station in the New York city metro system in 3 months in 2019.
The Metropolitan Transportation Authority is North America's largest transportation network, serving a population of 15.3 million people across a 5,000-square-mile travel area surrounding New York City through Long Island, southeastern New York State, and Connecticut.

Table description

Field Name	Description
C/A	Control Area (A002)
UNIT	Remote Unit for a station (R051)
SCP	Subunit Channel Position represents an specific address for a device (02-00-00)
STATION	Represents the station name the device is located at
LINENAME	Represents all train lines that can be boarded at this station
DIVISION	Represents the Line originally the station belonged to BMT, IRT, or IND
DATE	Represents the date (MM-DD-YY)
TIME	Represents the time (hh:mm:ss) for a scheduled audit event
DESC	Represent the "REGULAR" scheduled audit event (Normally occurs every 4 hours)
ENTRIES	The comulative entry register value for a device
EXITS	The cumulative exit register value for a device

Tool

I. Python
II. Pandas
III. Matplotlib
IV. SQL