PROJECT #1 PROPOSAL

SAFERIDE SOLUTION

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T5 - SDAIA

PROJECT OVERVIEW

easyTech is a technology solutions company, was looking for a data analyst to assist in the development of a solution for New York railway stations. and I've been hired to evaluate station data in order to offer the best data analysis results.

PROJECT DESCRIPTION

The easyTech company is working on strategies to prevent congestion at New York railway stations during the Covid 19. The company is building an application and platform (SafeRide) that will connect visitors, workers, and others to the station in order to minimize congestion. Visitors should be aware that one of the station's entrances will be quite congested at a certain period of time and date and suggest to them other stations and entrances based on their tickets and destination. Also, to manage social separation and Adhere to precautionary measures, staff will be able to distribute themselves based on the number of projected traffic jams at each station entrance.

ANALYST TASKS

ONE

analyzing most recent data during covid 19 using MTA data

TWO

cleaning the data

THREE

finding the time, date of most congested stations, and entries
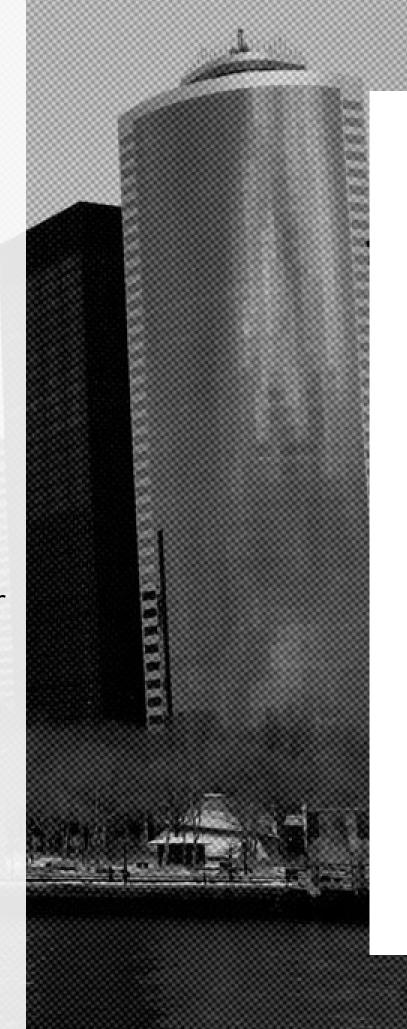
FOUR

Visualizing data

QUESTION/NEED

Q1: What is the framing question of your analysis, or the purpose of the model/system you plan to build?
Provide a solution to monitor and manage congestion and social distancing in the new york metro station. by analyzing MTA data during the covid period to monitor days and times of congestion.

Q2: Who benefits from exploring this question or building this model/system?
The New York city transit authority, MTA, and visitors of the NY stations

DATA DESCRIPTION

Q1: What dataset(s) do you plan to use, and how will you obtain the data?
Using recent MTA Turnstile Data, obtained from
http://web.mta.info/developers/turnstile.html.

Q2: What is an individual sample/unit of analysis in this project? What characteristics/features do you expect to work with?
the unit analysis is traffic and metro congestion.

Q3: If modeling, what will you predict as your target?
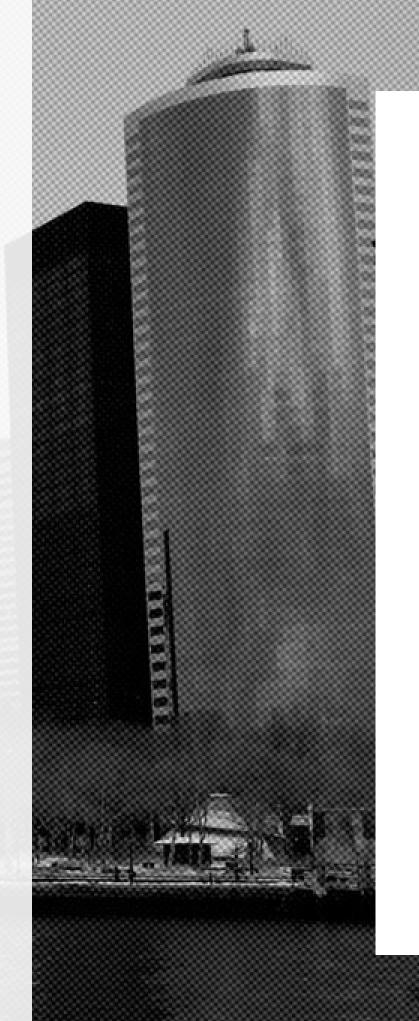not relevant

TOOLS

Q1: How do you intend to meet the tools requirement of the project?
by using the required tools for the analysis.

Q2: Are you planning in advance to need or use additional tools beyond those required?
not decided yet.

THANK YOU

MUNTAHA JABER

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