

MTA Exploratory Data Analysis: Subway Gathering Limitation Recommendations

(Project Proposal)

In December 2019, COVID-19, the fatal and fast spreading disease, was first identified in Wuhan, China. Since then, the virus was spreading so fast in the world reaching all the seven continents in few months. Being the primary reason why many people died in the past two years, many countries have set preventive precautions to protect their citizens. One of these precautions is gathering limitation, which will help in reducing number of infected people if applied properly.

Gathering limitation will be very helpful if applied in places where many people get around and closer to each other. Subways have all previous factors, and all the means that help in spreading the disease between people.

This project will help by giving recommendations on how to reduce gathering limitations in subways using the MTA open-source data. The primary tools that are going to be used are SQL, Python, and Pandas for data cleaning, database creation, and data analysis. The results will be delivered by plots using seaborn and matplotlib (pyplot) and Tableau.