# Project 1 MTA : Report

Here we are the marketing team at the stations. We want to do data analysis to help us lead rental space, whether it's advertising screens, food, and drink machines, stores, or pharmacies, etc...
We want to know the busiest stations, the times of the crowd, and where there is this crowding when entering or exiting.
So that we can distribute the rental spaces appropriately.

**To perform this analysis we applied the following steps:**

**First,** we need to load the dataset from MTA Turnstile Data and convert it to a data frame. Then loaded to SQLite.

**Dataset source** : http://web.mta.info/developers/turnstile.html

**Second**, Convert dates and time into a string, if any, to make it easier to work with.

**Third**, we make sure that the dataset is clean from missing data, duplicate data, or outliers.

**Fourth,** in order to benefit from this work, we must conduct statistical operations and then the resulting perceptions of these operations.

**The result of this analysis is the answer to the following questions:**

What are the top 5 busiest stations?

1. FULTON ST
2. CANAL ST
3. 161/YANKEE STAD
4. 34 ST-PENN STA
5. 125 ST

What are the days with the highest traffic per station?

Where is the most crowded when entering or leaving?

**For the future :**

We will answer this question " Where is the most crowded when entering or leaving?" with another dataset to help us analysis where the entry and exit gate.