**Abstract & Project Design**

The purpose of this project is to find ideal locations for a food truck with high foot traffic. I analyzed data trends for weekdays, weekends, and rainy days for April-June 2021. I looked at data specifically during the 12-8pm timeframe as this would be useful for a chef/restauranteur interested in anticipating potential demand during the lunch and dinner rush.

**Data**

I utilized the required [MTA turnstile data](http://web.mta.info/developers/turnstile.html) to complete my analysis. The raw data consisted of 2.75 million rows for April-June 2021. I also acquired [NOAA weather data](https://www.ncdc.noaa.gov/cdo-web/search) to enhance the scope of my project results. This data consisted of 91 daily precipitation totals for NYC. Data consisted of inches of rain. I selected data from 1 station (USC00280907) for my analysis.

**Tools**

I used DB browser for SQLite to create db file from the MTA web data. I used a CSV for weather data. I cleaned, imported, and merged both data sets using python code in jupyter lab. I aggregated based on turnstiles, stations, dates, days of the week and applied various filters. I used pandas, matplotlib and seaborn for my analysis.

**Communication**

I have summarized my key findings with the attached PowerPoint

The coding steps I used to achieve each visualization are documented in the attached ipynb file.