



Using MTA Data to Inform Opening Jazz Bars

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Introduction

Motivation:

- During the pandemic, musicians and music-related businesses struggled as the world went into shutdown

Objective:

- Explore MTA data in NYC's West Village, a neighborhood known for its iconic music scene

Goal:

- Display data that may inform people/organizations who want to start music venues in a post-pandemic NYC

Methods

Data Collection:

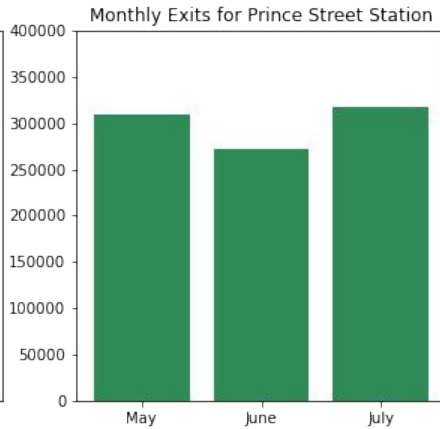
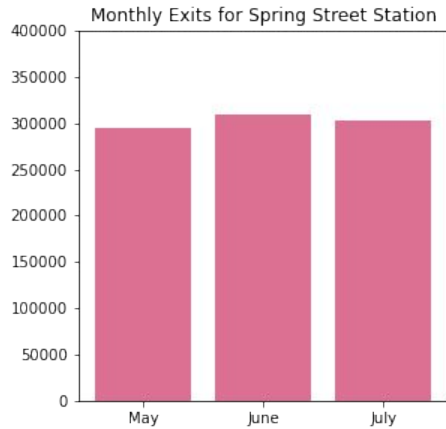
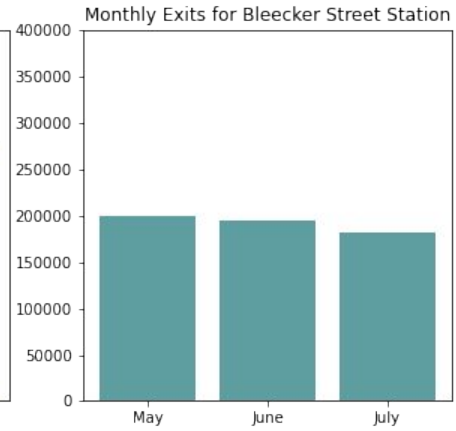
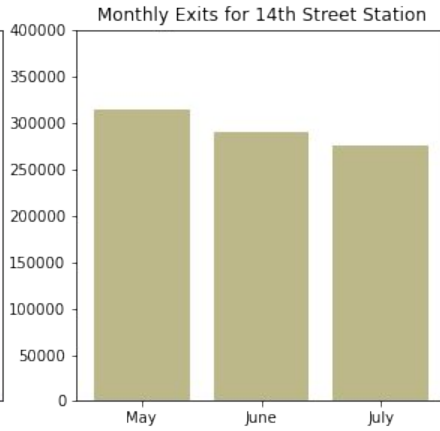
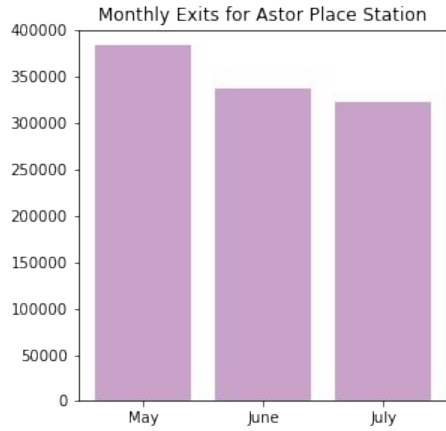
- MTA Turnstile data

Data Cleaning:

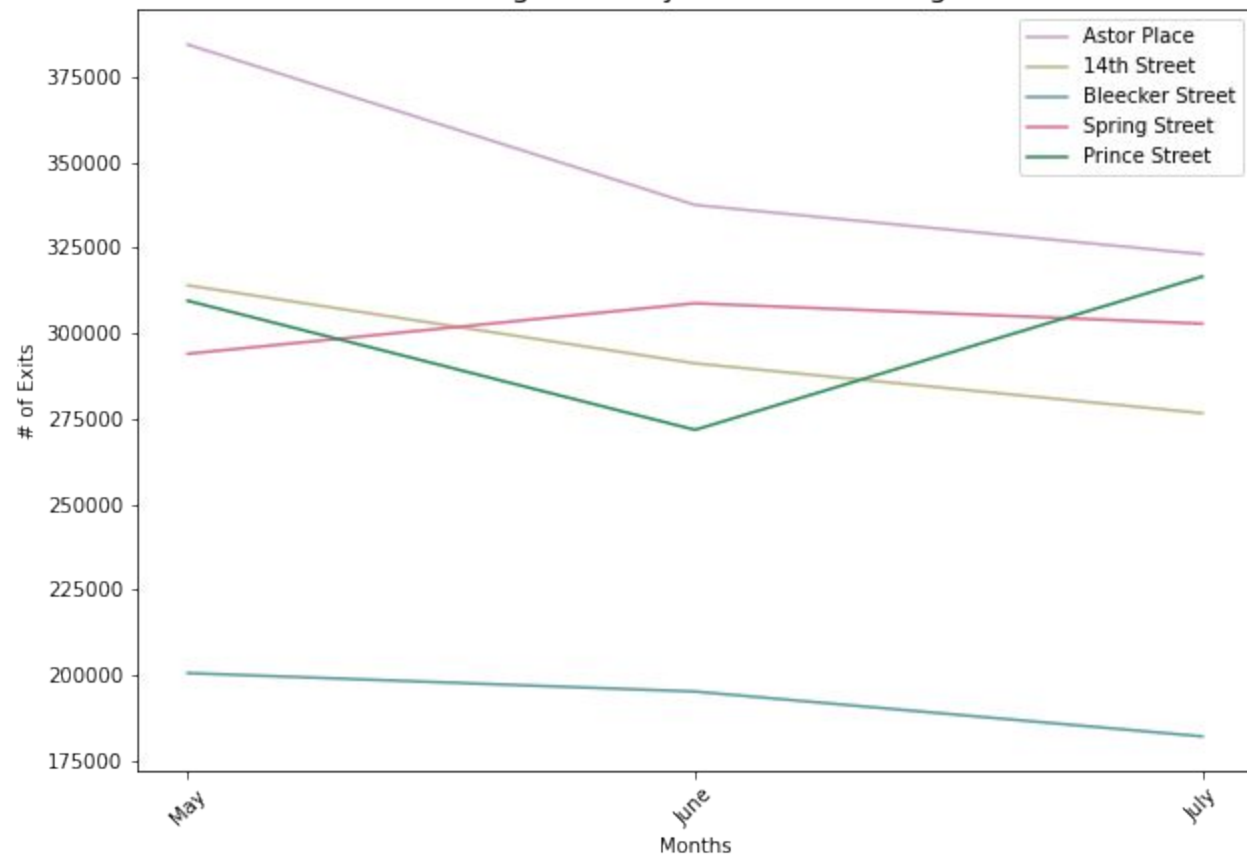
- Look at the months of May, June, July in 2021
- Focus on West Village stations
- Only stations that are not exposed (exposed -> traffic noise -> bad for music)
- Only after 5 pm: when performances begin

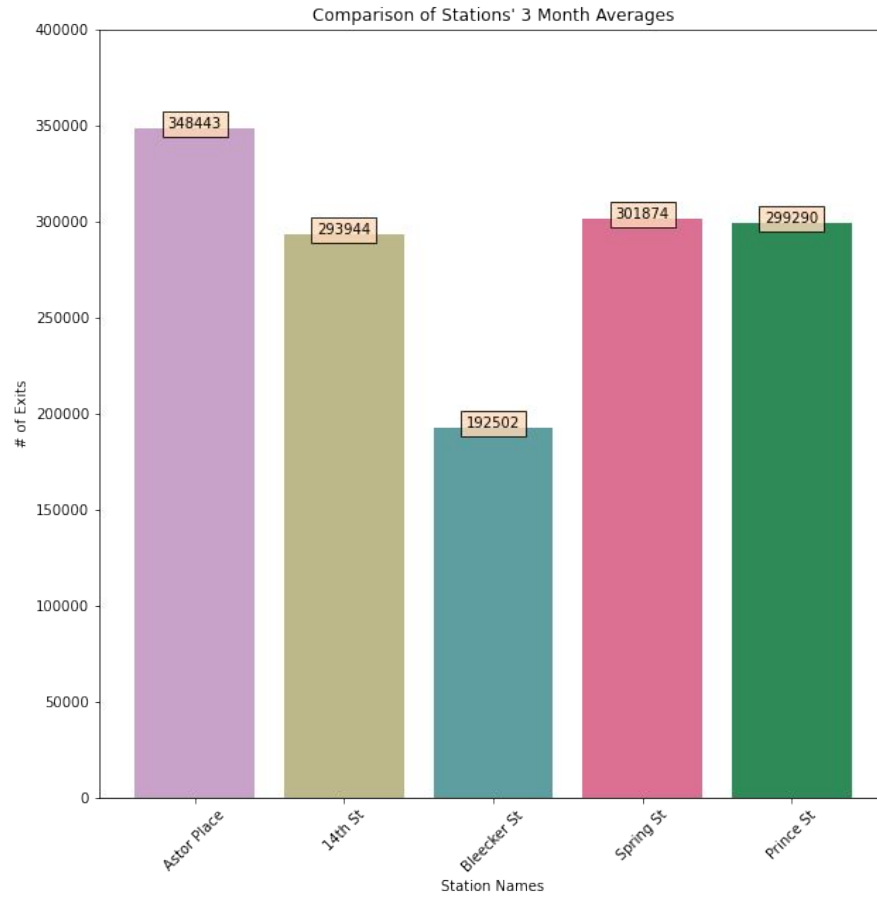
Tools:

- Numpy
- Pandas
- Matplotlib



Average Monthly Exits: West Village





Future Work

- More stations around West village
- Eliminate stations that may have competitors near them
- Google API -> plot station locations next to restaurants, activities, other jazz bars, etc