

NYC Turnstyle Data

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Data/

Put data in the `data/` directory

August 1 Analysis

Accomplished in a ipython notebook. Please read thru. Put comments throughout

MTAReader

Class which implements the logic implicitly formed above. Wanted to make the notebooks smaller and get code reuse for the future pieces. I think it is best to first explore the data a bit before I decide on a given format, so I did this second.

July Analysis

Accomplished in a ipython notebook. Please read thru. Put comments throughout

Insert Into DB

Prepares and inserts into the DB, after the django project has been initialized. I do some simple post processing to remove errors in the MTA data

mta-django

Django app. out some screenshots in `mta-django-screenshots`

Features:

- Perform analysis on 3 stats: `Entries` , `Exits` , `Busyness`
- Select dates by day, range, or custom
- Split on either `Stations` , `SCP` (turnstiles), or `Both`
- Finally, bin the data by day, hour, or minute

Grids:

- One per raw, min, max, and mean.
- draw columns, resize, filter and sort using [ag-grid](#).

This library is great, because it works on all web platforms, native JS, Angular, React, etc. Plus I have it scaling at work well beyond 200,000 rows (which constantly update). Performance of the DOM would crash the site by then, so this library only draws roughly the rows you immedieli see. I am using on ITG Prism 2, our realtime Algo monitoring app.