

PPHA30550 – PROGRAMMING FOR PUBLIC POLICY

CLASS PROJECT

New Yorkers, go for Uber or MTA?

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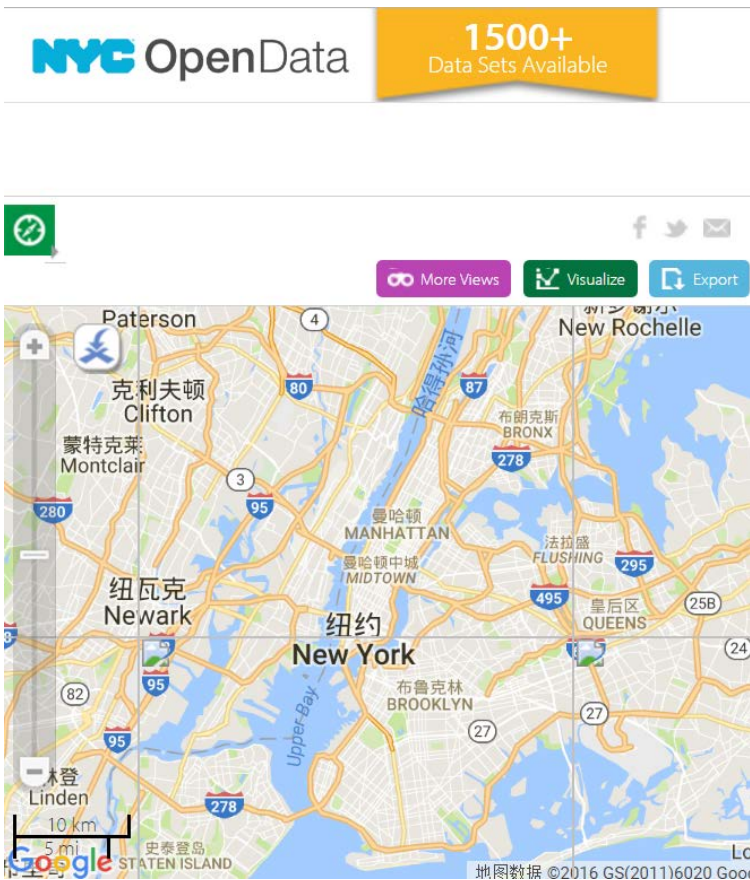
The Question

Complement?



Substitute?

Data Sources



	From Date	To Date	Remote Station ID	Station
1	11/12/2016	11/18/2016	R001	WHITEHALL STREET
2	11/12/2016	11/18/2016	R003	CYPRESS HILLS
3	11/12/2016	11/18/2016	R004	75TH STREET & ELDERTS LANE
4	11/12/2016	11/18/2016	R005	85TH STREET & FOREST PKWAY
5	11/12/2016	11/18/2016	R006	WOODHAVEN BOULEVARD
6	11/12/2016	11/18/2016	R007	104TH STREET
7	11/12/2016	11/18/2016	R008	111TH STREET
8	11/12/2016	11/18/2016	R009	121ST STREET
9	11/12/2016	11/18/2016	R010	42ND STREET & 8TH AVENUE

1. Names and Locations of the NYC Subway Stations
2. NYC Fare Card history from Apr. to Sep. 2014
3. NYC Uber Pickups by location and time

Data Merging

mta.csv

- Map fare card history to subway stations' total counts
- `-- get_station_coords.py`
- `-- merge_remote_stations.py`

mta_uber.csv

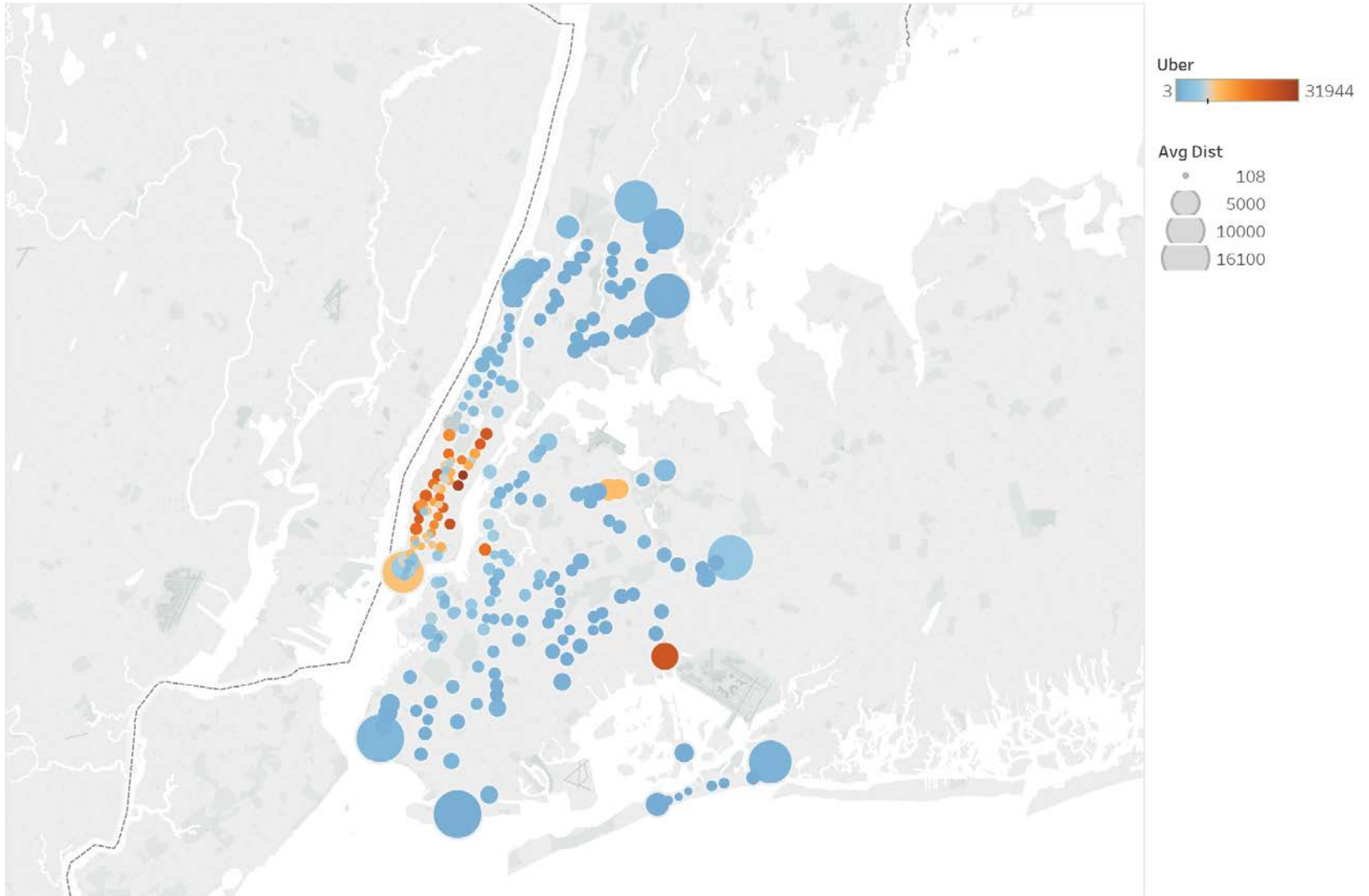
- Assign Uber pickup locations to the nearest subway station
- `-- count_uber.py`

data.sqlite3

- Database specification
- `-- merge.py`

Site Demonstration

2014 NYC Uber pickups near MTA stations



Possible Explanations and Policy Implications

Possible Explanations

- More wealthier New Yorker?
- A supplement to the MTA?



Policy Implications

- to set a cap on the number of Uber cars?
- to subsidize the MTA?