

Capstone Coursera_Final

IMPLEMENTING ELECTRIC SCOOTER SHARING SYSTEM BUSINESS

IN MANHATTAN

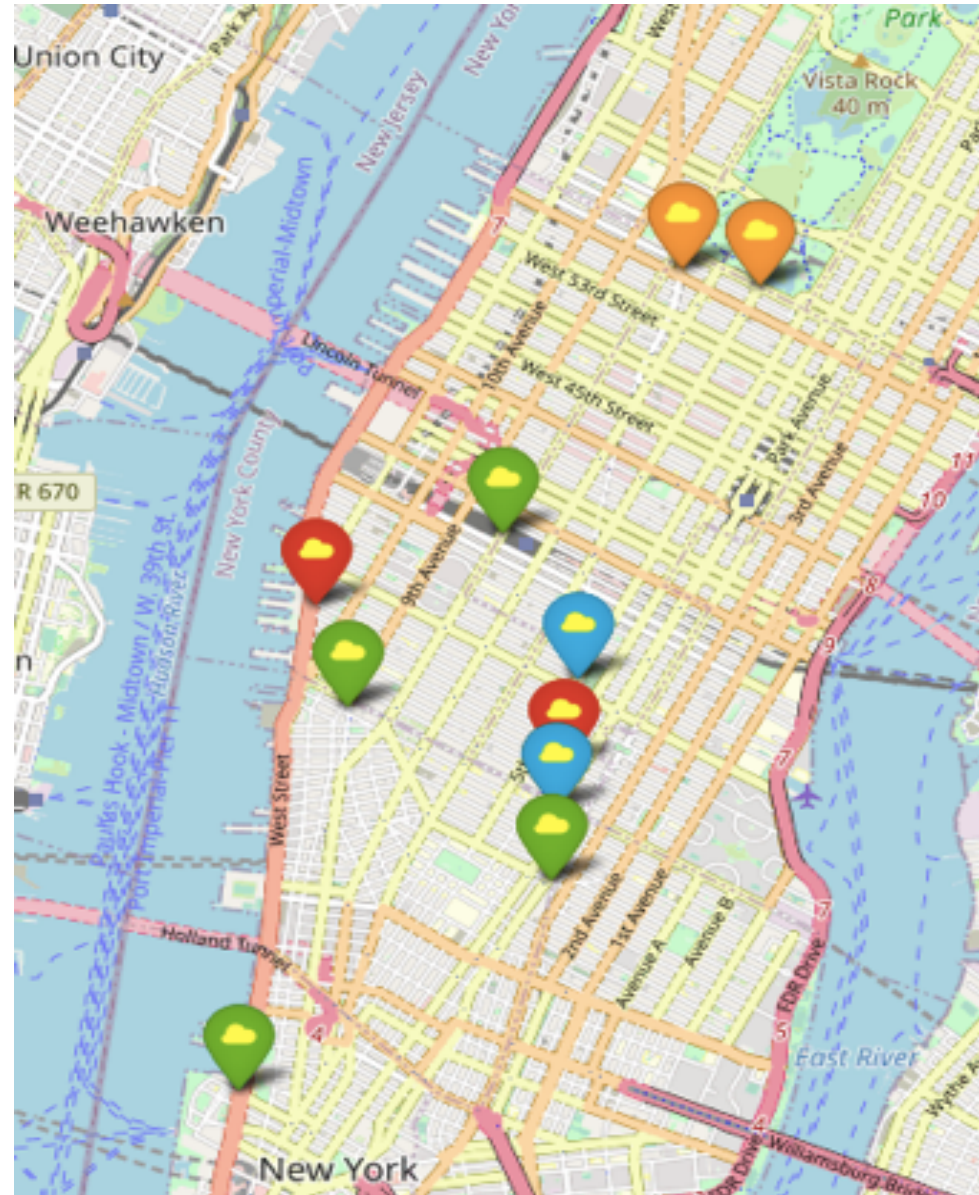
DATA REPORT

JUNE 17, 2020

3 MAIN DRIVERS

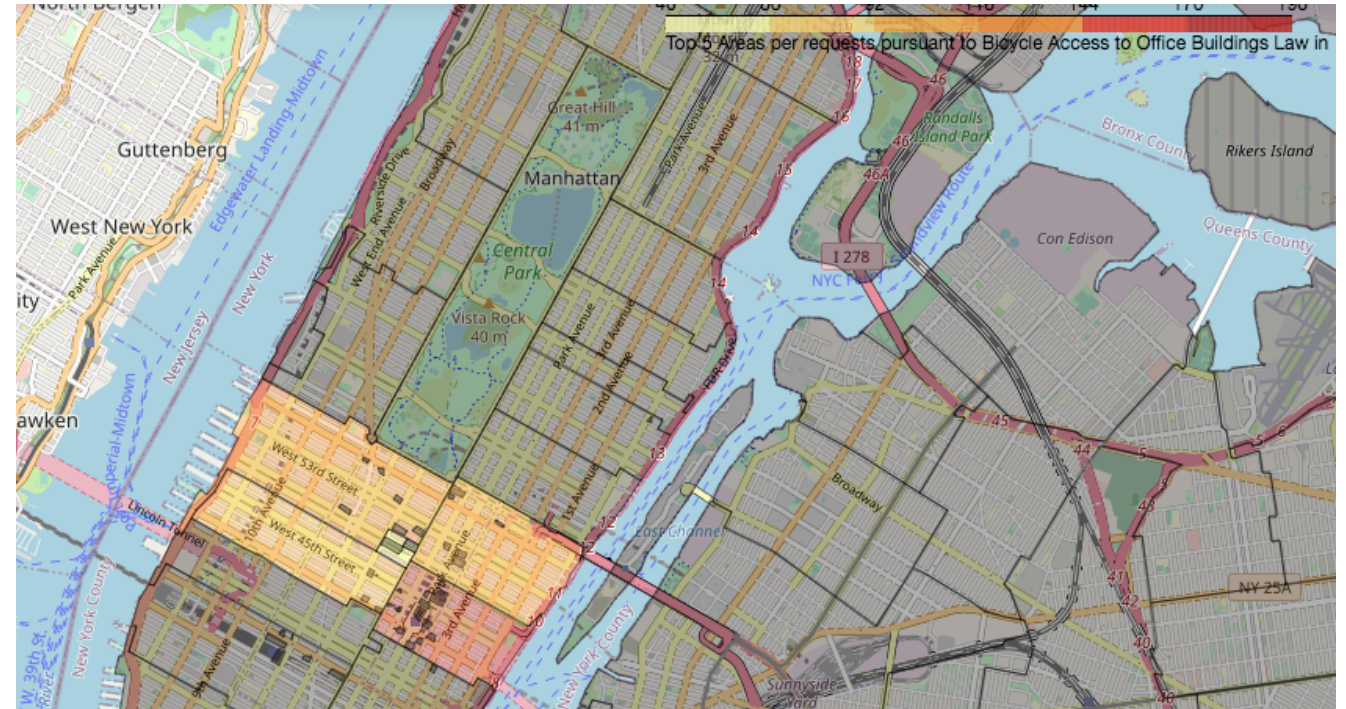
- MOST USED CITYBIKE END AND START STATIONS AFTER ITS LAUNCH IN JUNE 2013
- MOST INVOLVED COMMERCIAL BUILDINGS AS TO TENANTS REQUEST TO PARK BIKE INSIDE
- AREAS MUST HAVE RESTAURANTS, GYMS AND COFFEE SHOPS

CITYBIKE DRIVER
SELECTED AREAS:
GREENWICH
VILLAGE AND
FLATIRON



COMMERCIAL
BUILDINGS
REQUESTED TO
ALLOW BIKES
INSIDE PARKING

1. TUDOR CITY
2. TURTLE BAY
3. MIDTOWN



MOST COMMON VENUES — RESTAURANT/GY MS/COFFEE SHOPS

- TUDOR CITY
- FLATIRON

	Neighborhood	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue	6th Most Common Venue	7th Most Common Venue	8th Most Common Venue	9th Most Common Venue	10th Most Common Venue
0	Flatiron	Gym / Fitness Center	Café	Mediterranean Restaurant	New American Restaurant	Coffee Shop	Italian Restaurant	Gym	Park	Vegetarian / Vegan Restaurant	Japanese Restaurant
1	Greenwich Village	Italian Restaurant	Café	Sushi Restaurant	Clothing Store	Ice Cream Shop	Chinese Restaurant	French Restaurant	Bar	Pilates Studio	Bubble Tea Shop
2	Midtown	Hotel	Coffee Shop	Clothing Store	Bakery	Theater	Cuban Restaurant	Pizza Place	Steakhouse	Indian Restaurant	Tailor Shop
3	Midtown South	Korean Restaurant	Hotel	Japanese Restaurant	Café	Lounge	Burger Joint	American Restaurant	Cocktail Bar	Spa	Hotel Bar
4	Tudor City	Café	Park	Mexican Restaurant	Sushi Restaurant	Gym	Garden	Dog Run	Diner	Thai Restaurant	Deli / Bodega

LSTM REGRESSION

- LSTM Recurrent Neural Networks to predict single passes access to the electric scooters based on 24 months Citybike 24h accesses in the first 21 months after the launch of the Citybike project (from June 2013 to June 2015)

