

Food-to-Subway Proximity in Brooklyn:

Analyzing Restaurants and Grab-and-Go Shops

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BACKGROUND

- >12,500 restaurants in NYC, ~20.4% located in Brooklyn
- Within Brooklyn:
 - 2,574 restaurants
 - 596 “grab-and-go” shops¹
- Subway as a main mode of transport

¹<https://data.cityofnewyork.us/Health/DOHMH-New-York-City-Restaurant-Inspection-Results/xx67-kt59>

RESEARCH QUESTION(S)

In respect to subway station locations:

What is the most accessible restaurant cuisine in Brooklyn?

What is the most accessible “grab-and-go” food type?

DATA

- MTA Subway Stations
- DOHMH New York City Restaurant Inspection Results
 - Updated on April 2018



RESTAURANT CUISINES

Afghan	African	American	Armenian
Asian	Australian	Bangladeshi	Barbecue
Cajun	Californian	Caribbean	Chinese
Chinese/Cuban	Chinese/Japanese	Continental	Creole
Creole/Cajun	Czech	Eastern European	
Egyptian	Ethiopian	French	German
Greek	Hawaiian	Indian	Irish
Italian	Japanese	Jewish/Kosher	Korean
Latin(Cuban)	Mediterranean	Mexican	Middle Eastern
Pakistani	Peruvian	Pizza/Italian	Polish
Portuguese	Russian	Scandinavian	Seafood
Soul Food	Southwestern	Spanish	Steak
Tapas	Thai	Turkish	Vietnamese

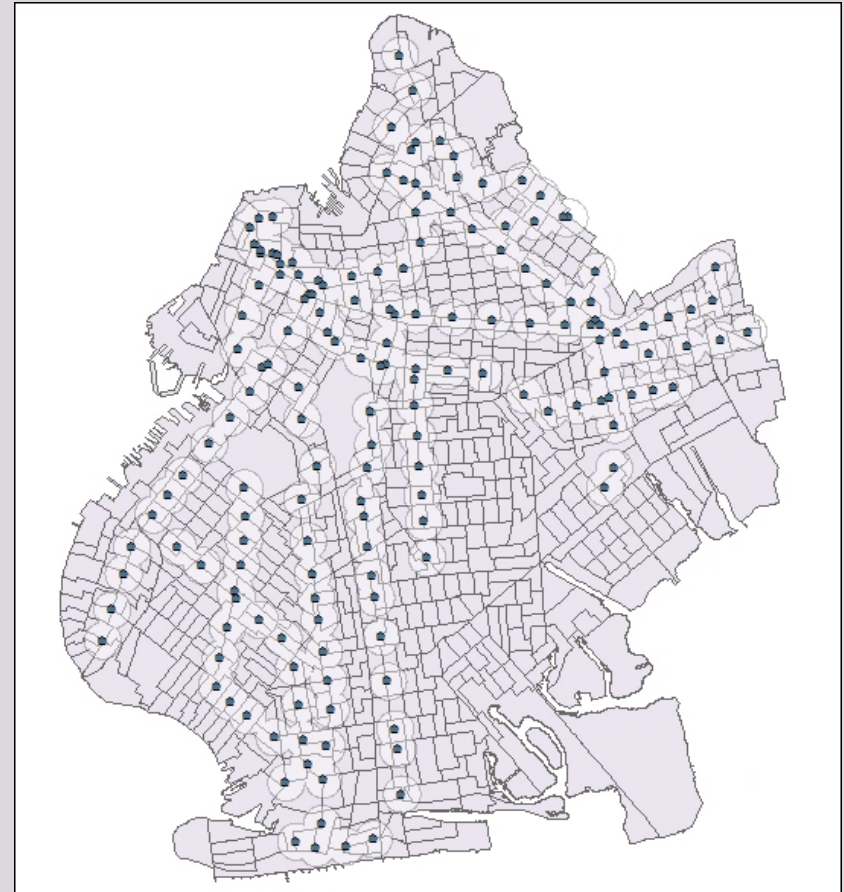
GRAB-AND-GO PLACES

Bagels/Pretzels
Bakery
Bottled Beverages
Café/Coffee/Tea
Donuts
Hotdogs/Pretzels
Ice Cream, Gelato, Yogurt, Ices
Juice, Smoothies, Fruit Salads
Nuts/Confectionary
Soups/Sandwiches/Salads/
Mixed Buffet

METHODOLOGY

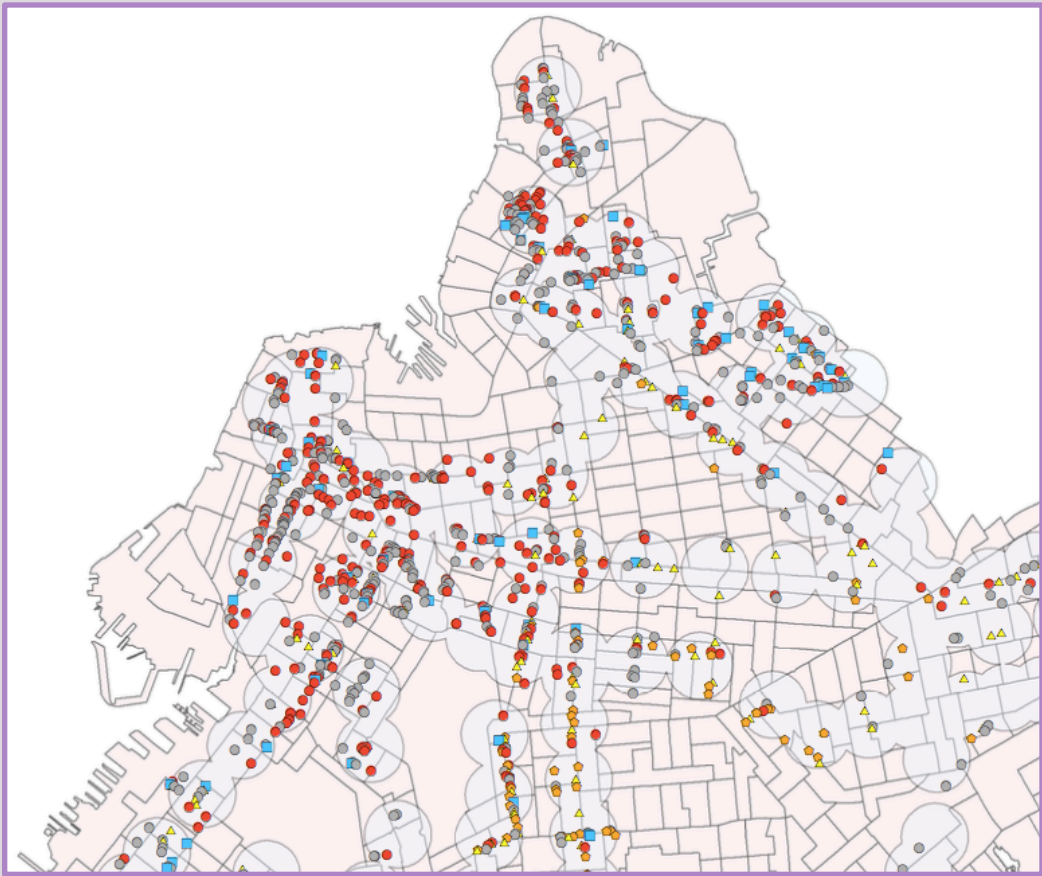
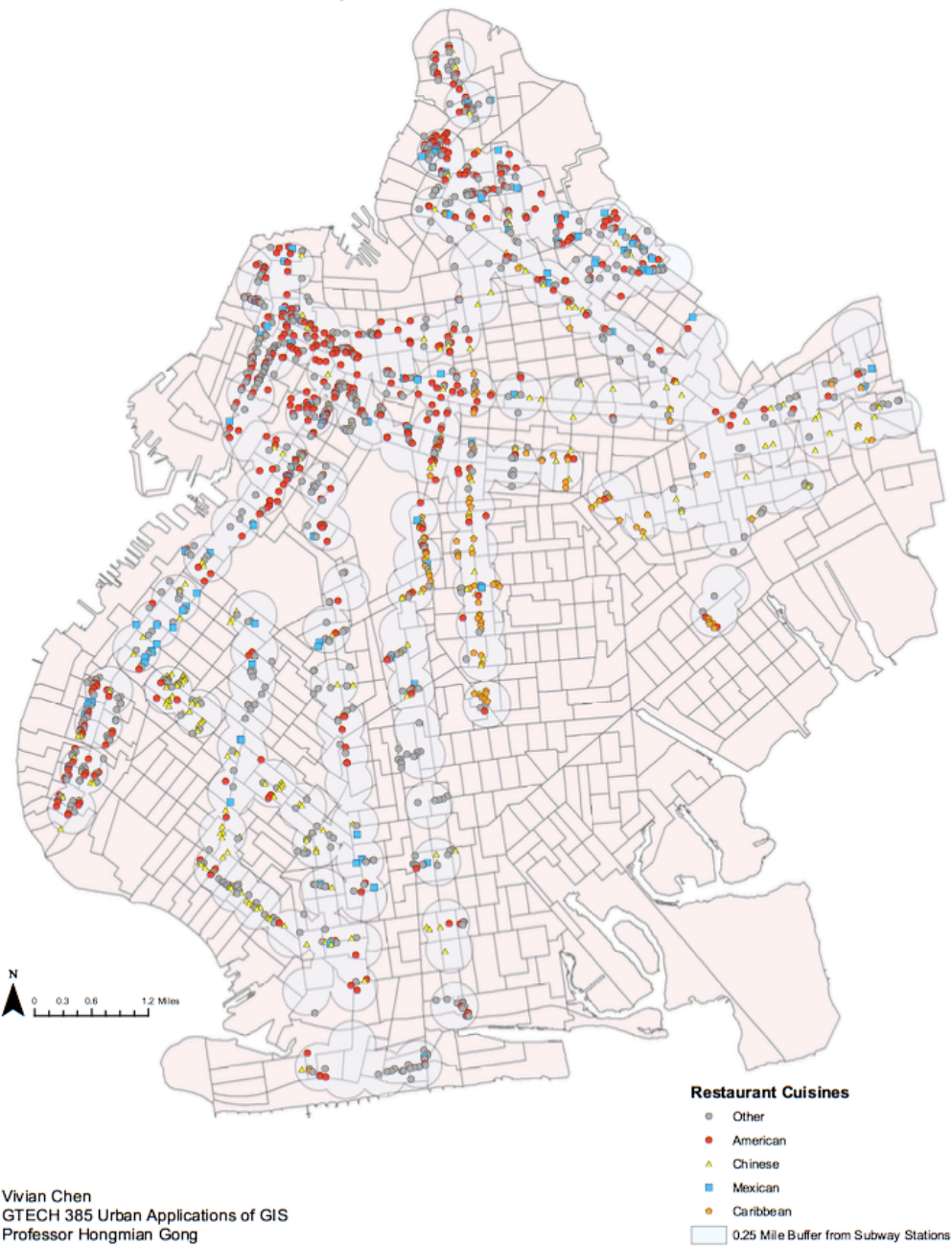
- *Clip* all data to Brooklyn study area
- *Buffer*
 - Create a buffer of 1,320 ft. around subway stations (equivalent of a “5-minute-walk”²)
- *Select by Location*
- *Frequency*

²<http://evstudio.com/the-five-minute-walk-calibrated-to-the-pedestrian/>



Distribution of Restaurants in Brooklyn

Within 0.25 mile Buffer of Subway Stations

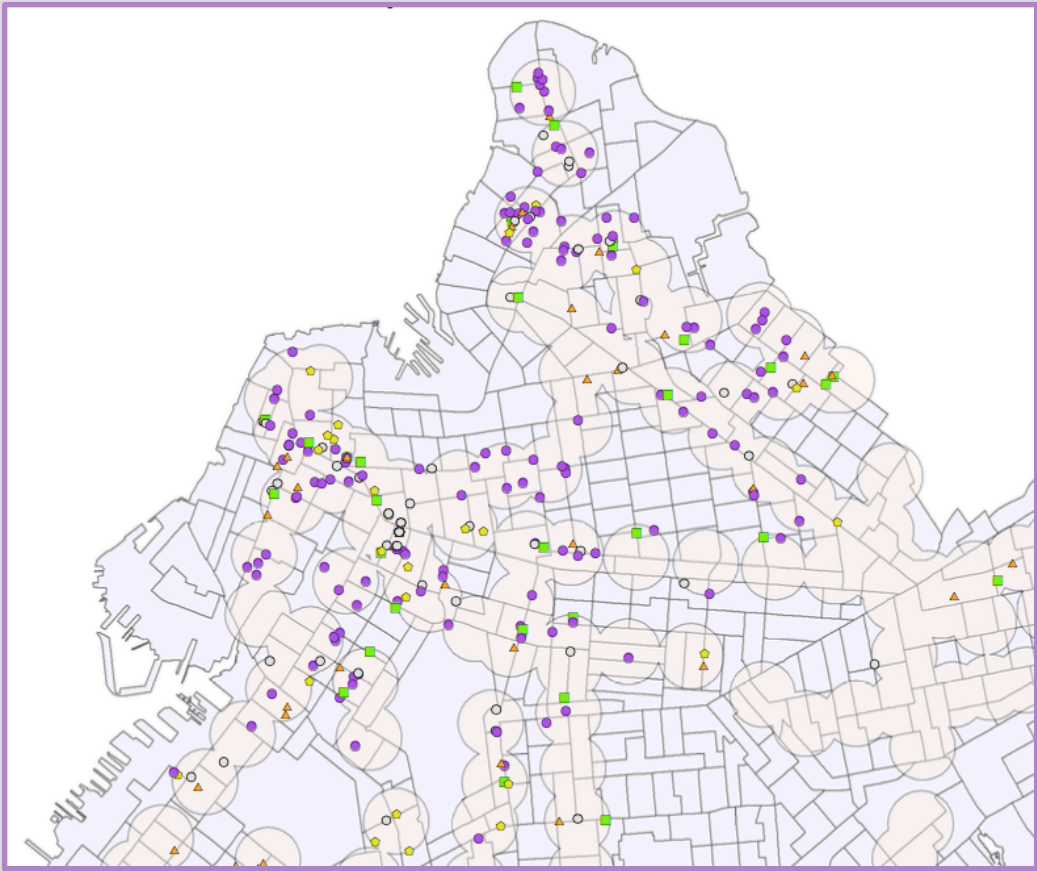
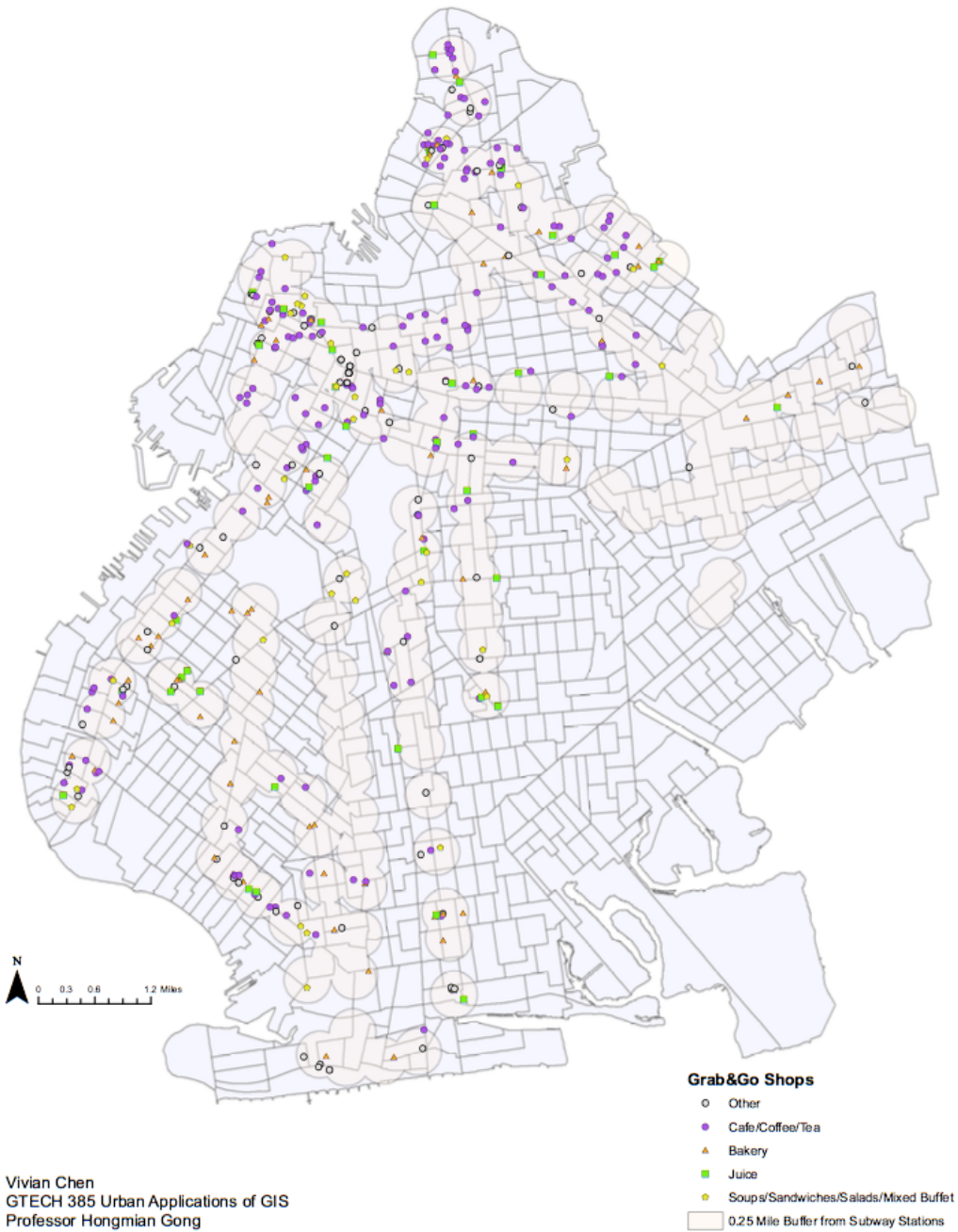


Restaurant Cuisines within .25-mile Buffer

CUISINES	COUNT	% OF ALL RESTAURANTS
AMERICAN	461	26.8
CHINESE	292	17.0
MEXICAN	108	6.3
CARIBBEAN	104	6.1
OTHER	754	43.9
TOTAL	1719	66.5

Distribution of Grab&Go Shops in Brooklyn

Within 0.25 mile Buffer of Subway Stations



Grab-and-Go Shops within .25-mile Buffer

TYPES	COUNT	% OF ALL GRAB & GO SHOPS
CAFÉ/COFFEE/TEA	172	28.9
BAKERY	76	12.8
JUICE	44	7.4
SOUPS/SANDWICHES/SALADS/ MIXED BUFFET	41	6.9
OTHER	88	14.8
TOTAL	421	70.6

CONCLUSION

- American cuisine and Café/Coffee/Tea spots are the most accessible by train
- There's a larger percentage of grab-and-go food places than sit-down restaurants within a 5-minute-walk to a subway station
- Areas with more restaurants/g&g food places tended to have more subway lines/stations intersecting
- May not have had all restaurant/g&g food place data for all locations in Brooklyn