A blue parallelogram and a light green parallelogram are positioned on the left side of the slide, overlapping each other and the dark background. The blue shape is on the left, and the green shape is to its right, partially overlapping it.

# Which Boston College/University to start my career as a Data Scientist?

by Tyler Lareau

# Business Problem

***Which college or university in the Greater Boston do I want to work for?***

I am going to leverage the power of public datasets and location data to select a school which I think will best fit my new career as a data scientist.



# School Must

- be located in the Greater Boston Area
- have over 5000 students. As a data scientist, I am going to need to intake as much data as possible and believe that 5000 is an acceptable minimum to retrieve valuable and diverse data.
- Sports Complexes/Arenas must be popular venues within the 500M radius of campus. Athletics is an industry with high demands for data scientists and I would like to work at a school with opportunities to study their athletic programs.
- School must have access to public transportation in the immediate radius (500M)



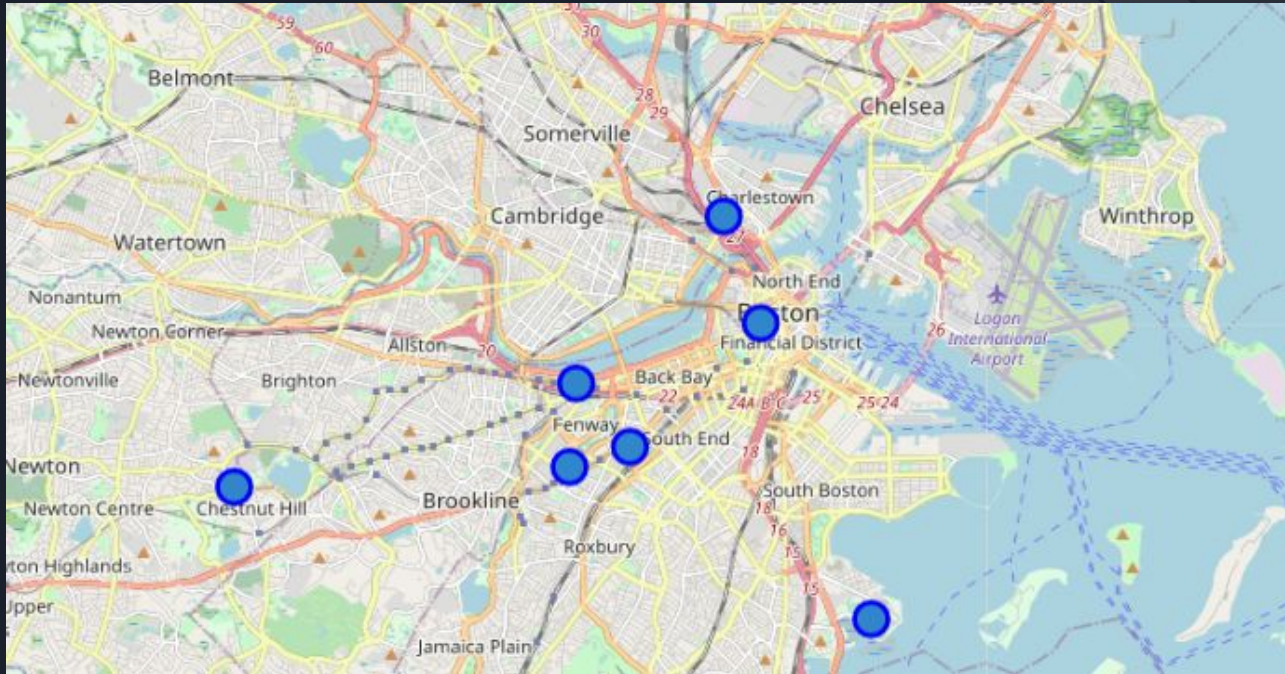
# Data Acquisition and Cleaning

- School Name, Location Coordinates and Number of Students in 2013 (\*most recent year) retrieved from <https://data.boston.gov/dataset>
- List included over 59 rows and 30 features
- Cleaned dataset to contain only 4 features

# Boston Schools with 5000+ Students

	Name	Latitude	Longitude	NumStudents13
0	Boston University	42.349560	-71.099709	32411
1	University of Massachusetts-Boston	42.313809	-71.039202	16277
2	Boston College	42.333833	-71.169719	14309
3	Bunker Hill Community College	42.375117	-71.069572	14023
4	Suffolk University	42.358905	-71.061948	8675
5	Northeastern University	42.340048	-71.088892	8479
6	MCPHS University	42.336880	-71.101120	6548

# Boston Schools with 5000+ Students Coordinates

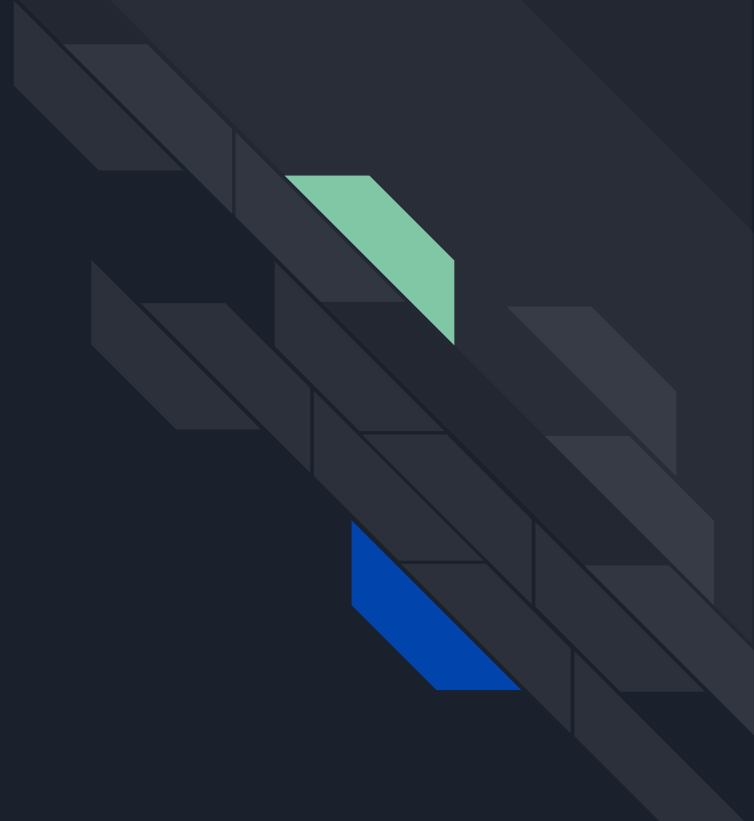


# Most Frequently Checked-In Places within 500M of each college via FourSquare API

	School	1st Popular Venue	2nd Popular Venue	3rd Popular Venue	4th Popular Venue	5th Popular Venue	6th Popular Venue	7th Popular Venue	8th Popular Venue	9th Popular Venue	10th Popular Venue
0	Boston College	Baseball Field	College Theater	Convenience Store	Hockey Arena	Café	Bus Stop	Food Court	Cosmetics Shop	Deli / Bodega	Department Store
1	Boston University	American Restaurant	Lounge	Sports Bar	Coffee Shop	Hotel	Sushi Restaurant	Café	Pub	Gym / Fitness Center	Brewery
2	Bunker Hill Community College	Coffee Shop	Yoga Studio	Shopping Mall	Bank	Convenience Store	Donut Shop	Gastropub	Grocery Store	Light Rail Station	Liquor Store
3	MCPHS University	Coffee Shop	Sushi Restaurant	Sandwich Place	Convenience Store	Pizza Place	Pub	Donut Shop	Café	Falafel Restaurant	Gastropub
4	Northeastern University	Sandwich Place	Pizza Place	Grocery Store	Arts & Crafts Store	Middle Eastern Restaurant	Concert Hall	Café	Caribbean Restaurant	Burrito Place	Restaurant
5	Suffolk University	Coffee Shop	Historic Site	Seafood Restaurant	Mediterranean Restaurant	New American Restaurant	Hotel	Restaurant	American Restaurant	Market	Italian Restaurant
6	University of Massachusetts-Boston	Museum	Coffee Shop	Donut Shop	Fast Food Restaurant	Food Court	Concert Hall	Convenience Store	Cosmetics Shop	Deli / Bodega	Department Store

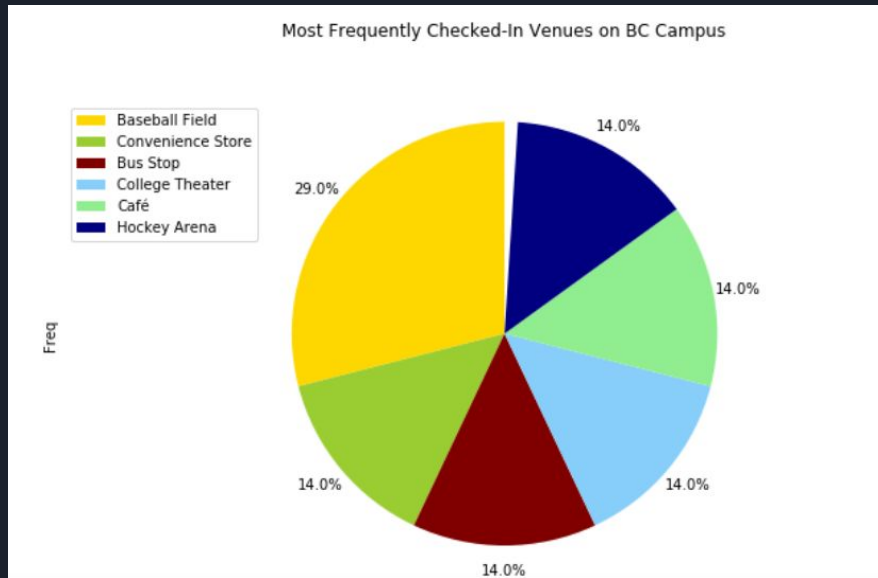
# Results

I will apply to become a  
data scientist at.....





# Boston College



- 3 venues in the Top 10 Most Frequently Checked in Places

-Baseball Field  
-Hockey Arena  
-Bus Stop



# Conclusion

I analyzed the surrounding neighborhoods of seven colleges located in Boston, MA leveraging the FourSquare API to make the ultimate decision to apply to Boston College to begin my career as a Data Scientist.

- Popular sports complexes (hockey arena/baseball field) can be home to data science initiatives to predict future success of athletes and athletics programs.
- Location data can be further leveraged to select a neighborhood to move into.