

# New theater location selection in NYC

## INTRODUCTION

This project would like to investigate the potential location of an invested theater location in NYC. In order to obtain the potential places, the clustering technique will be applied to rank venues especially to discover where the theaters have been located. Finally choosing the ranking no. 1 venues as the aiming location.

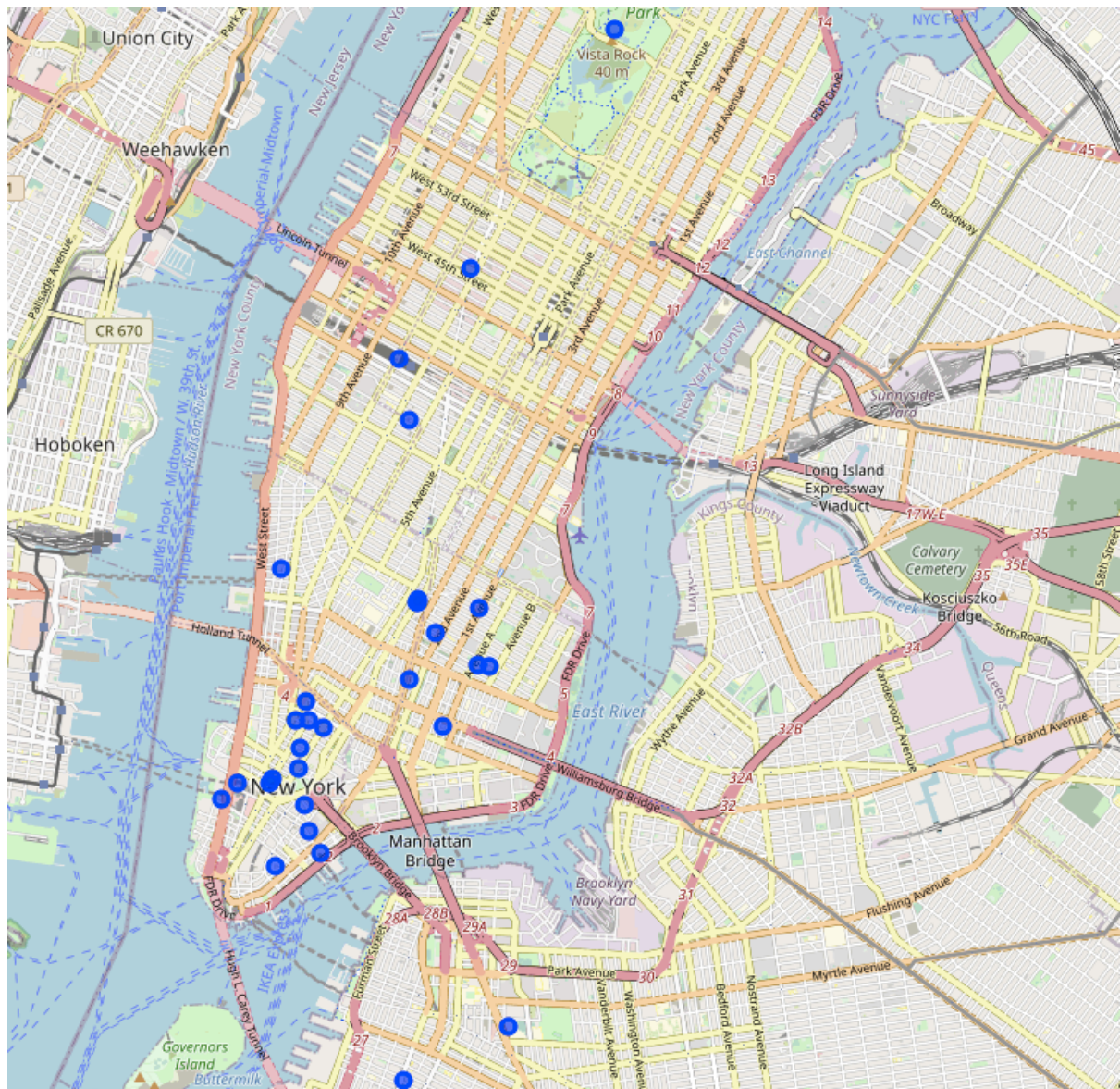
## Data

The Foursquare location data will be applied to complete the "New theater location selection in NYC" project. The Manhattan county will be the target town and be explored from the Foursquare developer website. The data were chosen because 1) the convenience to obtain the data and 2) updated and precise venue information could be received. For example, the regular search with Foursquare can be used to explore Manhattan, NY.# New theater location selection in NYC

**Table 1. Theater list in NYC**

0	20 Thomas St. (The Flea Theater)
1	Schaeberle Studio Theater
2	Theater Bar
3	iHeartRadio Theater
4	Royal Theater Cinema
5	Theater for the New City
6	Theater District
7	Peter Jay Sharp Theater
8	LES* Drive-In Movie Theater
9	The Public Theater
10	Hulu Theater
11	Nevada Theater
12	St Venice Theater
13	Delacorte Theater
14	Connelly Theater
15	iPic Theaters at Fulton Market
16	Pioneer Theater
17	Russian American Musical Theater
18	Public Theater Conference Room
19	Theater 219 (VPR)
20	Robert Moss Theater
21	Galli Theater
22	Time Inc. Theater
23	IRT (Interborough Repertory Theater)
24	Kumble Theater
25	Kraine Theater
26	Helen Mills Event Space and Theater
27	See Forever Theater
28	accss theater
29	Collective: Unconscious Theater

Figure 1. All the theaters on the map



## Result

Based on the map, the planned theater should be placed near NYC City Hall because this area has the most theaters located and a highly possible place people would like to visit to enjoy the performing arts compared to other locations.