**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

A close up of a map

Description automatically generated

## 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.