

# *Capstone Project -> Battle of Neighbourhood.*

## INTRODUCTION:

The goal of the project is to explore the neighbourhood of New York City in order to explore the relationship between real estate value and surrounding venues. The plan comes from the process of family migrating to new city. It is common that owners, / agents advertise their properties are close to some time of venue like school, supermarket, restaurants, hospitals and so on, showing the 'convenience' of the locality to raise the property value.

Does the surrounding venue rise the price of the house and if so, how it is correlated.

The target audience are:

# Potential buyer/renter who roughly estimate the value of the house/ rent/lease based on surrounding venues and average price

# Real Estate Makers and planners who can decide what kind of venues to put around their products to maximize selling price.

# House seller who can optimize their advertisements

## DATA DESCRIPTION:

New York city neighbourhood are chosen as the observation target for the following reasons:

# The availability of geo data which can be used to visualize the dataset onto a map.

# The diversity of price between neighbourhood

# The availability of real estate prices.

The dataset will be composed of the two main sources:

- CityRealty which provides the neighborhood average prices

- Foursquare API which will provide surrounding venues of given latitude, longitude