

# Optimal Choice Analysis of Buying House in Nashua, NH. USA

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# Factors to be considered for buying the house in Nashua.

- ☐ Budget for the purchase is around \$350,000.
- ☐ House should be in good Elementary school zone with high rating .
- ☐ It should have at least 3 bedrooms.
- ☐ And should have nearby grocery stores and restaurants.

# Data Acquisition

## Collected data from following websites.

- ❑ <https://www.ColdwellBankerHomes.com>

For details of houses such as price, number of bedrooms, location (Latitude, Longitude), Area (Sq. Ft.), zip code and more.

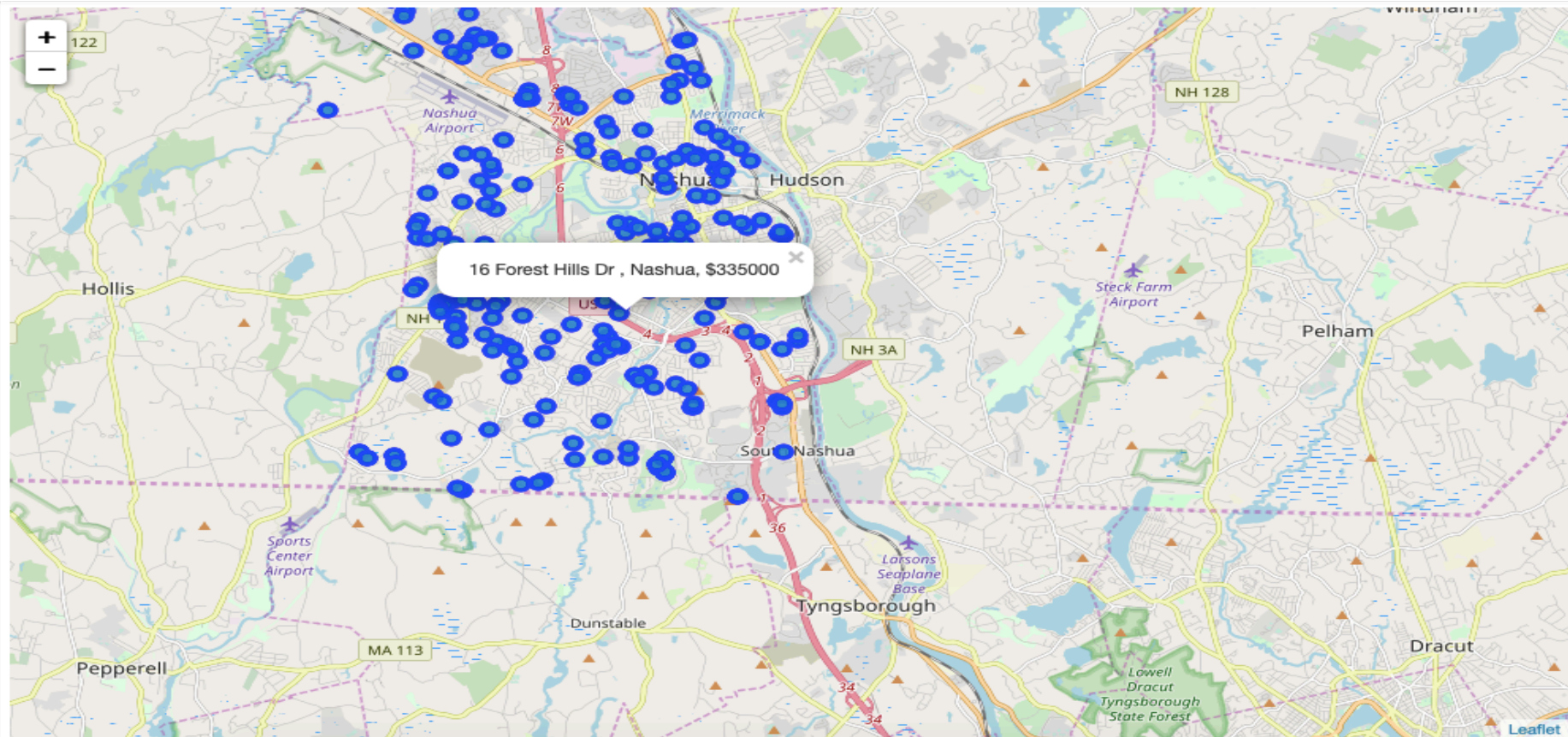
- ❑ <https://www.nashua.edu>

For details of school zone.

- ❑ <https://foursquare.com>

Coordinates data is taken from

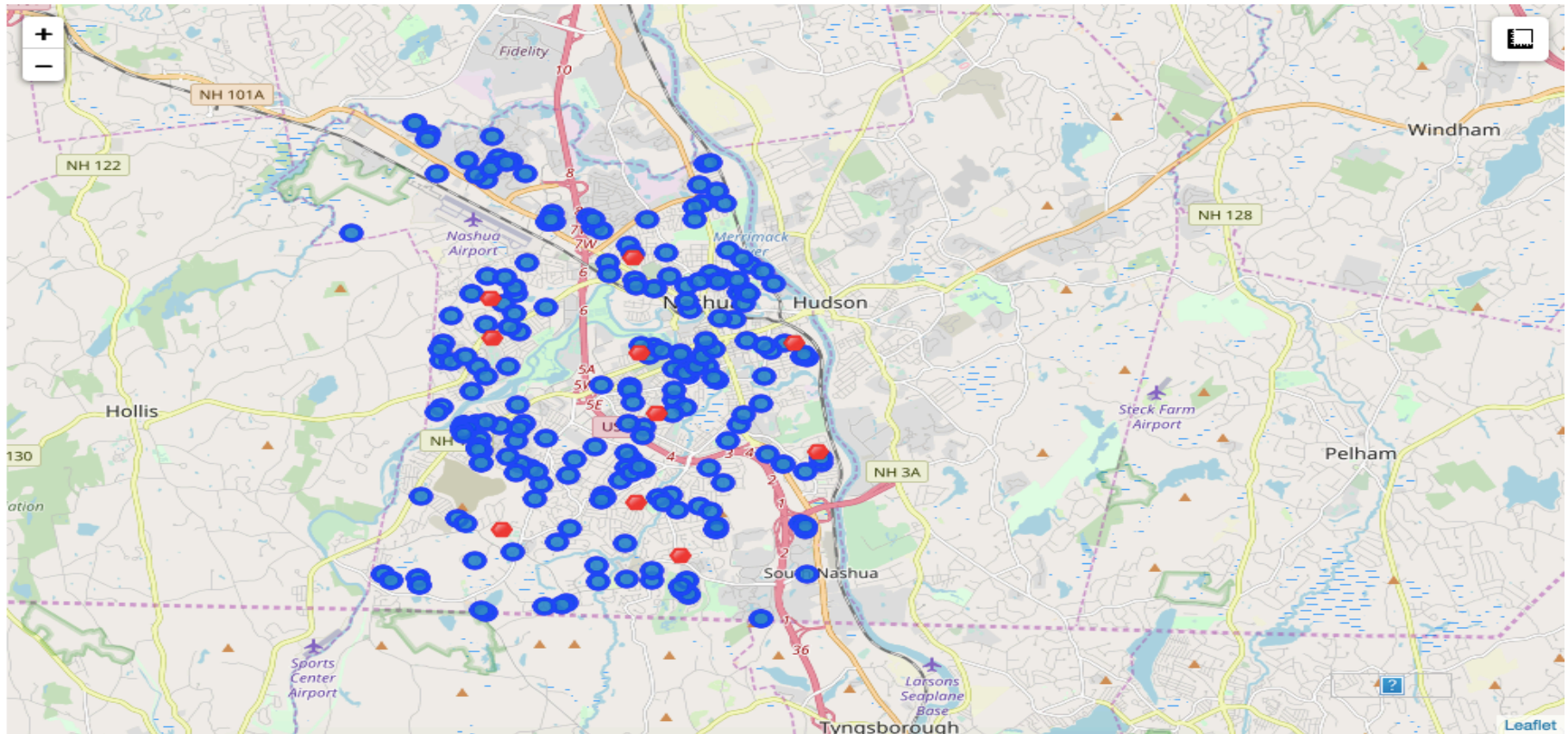
# Map of Nashua with available houses for sale



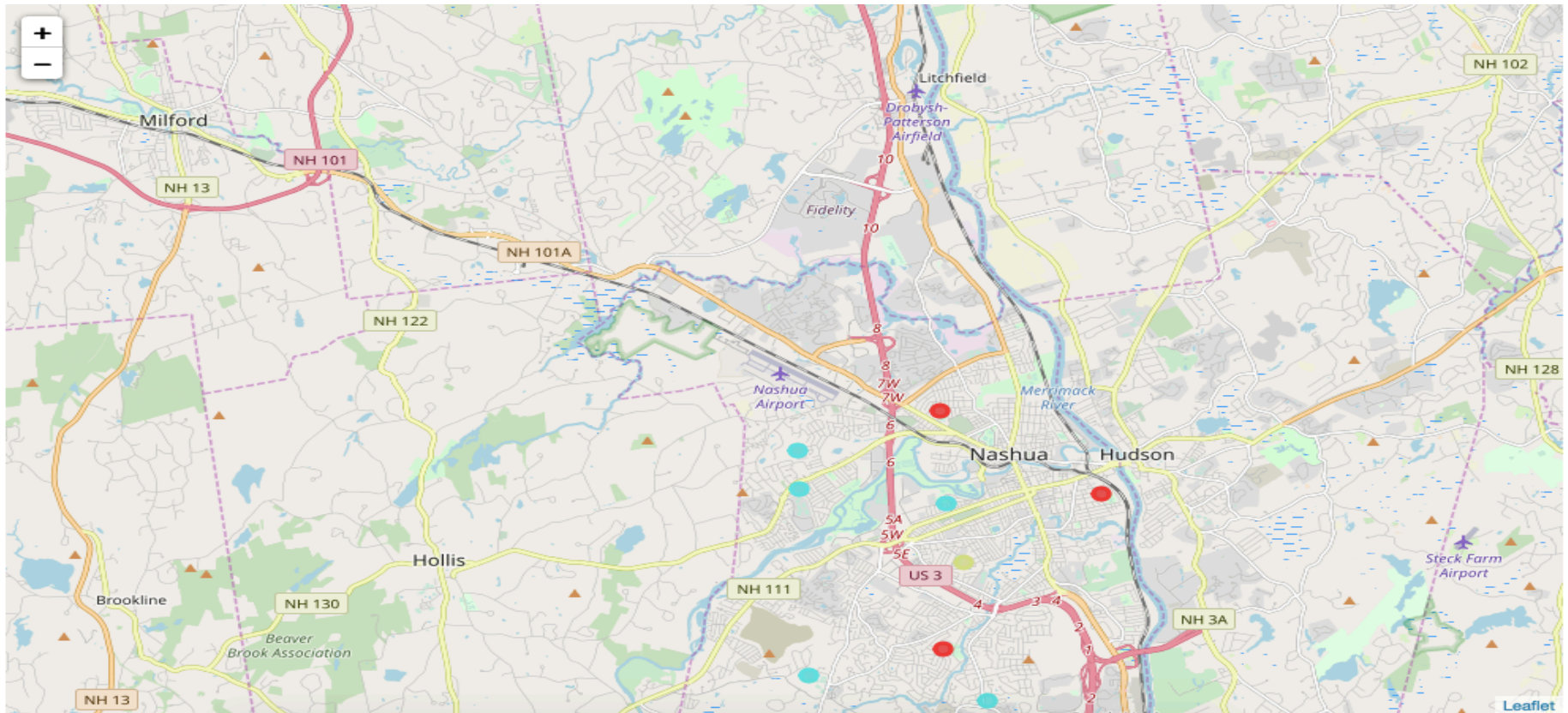




# Map of Nashua showing houses for sale and the school locations nearby

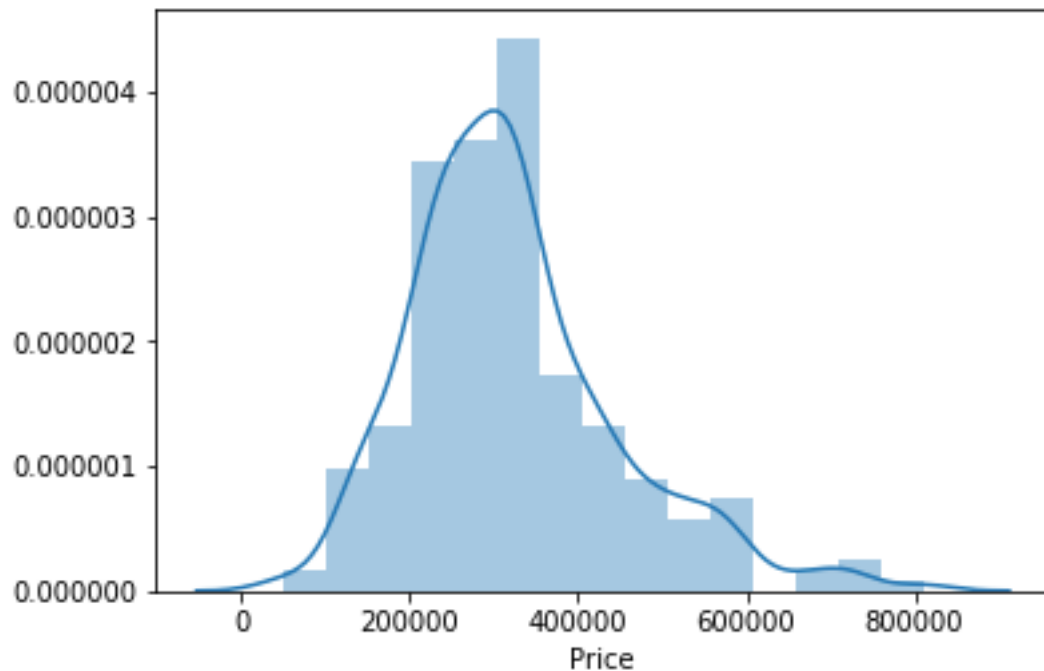


# Cluster Neighborhoods of Nashua



# Nashua houses for sale statistics

## Sale price of houses in Nashua

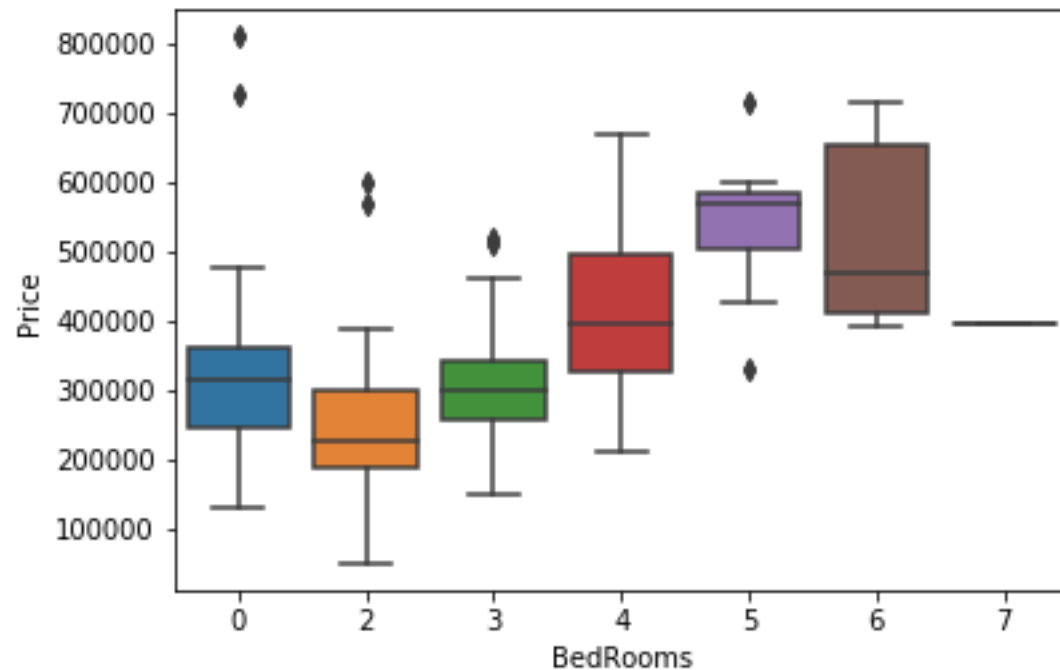


Plot showing that most of the houses for sale in Nashua is around \$350,000.



# Nashua houses for sale statistics

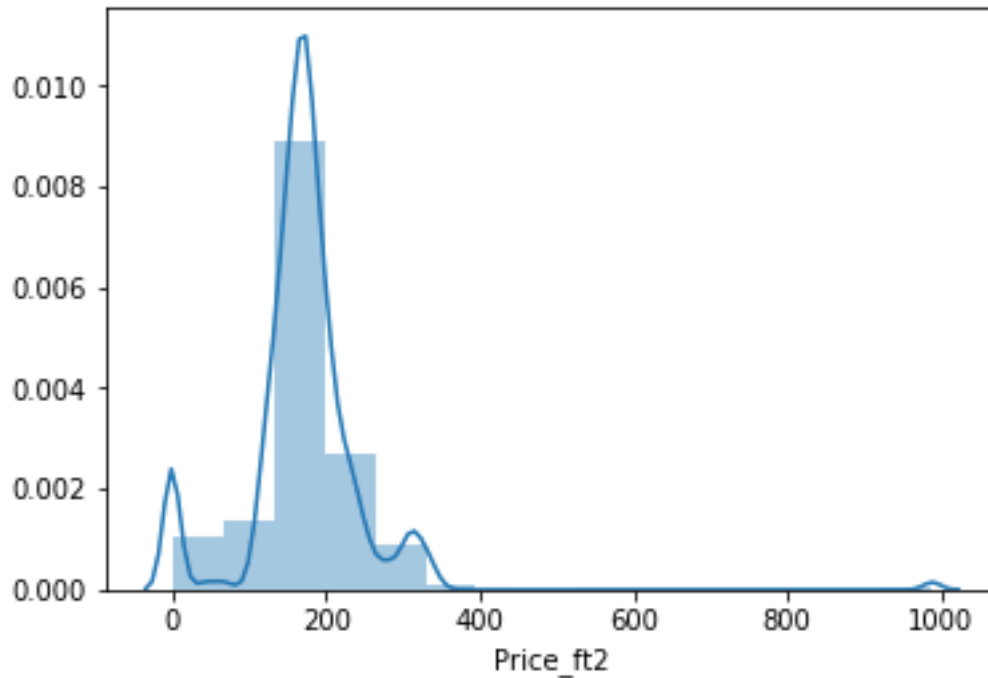
## Number of bedrooms in houses for sale



Plot showing that houses in range of price \$350,000 have 3 to 4 bedrooms.

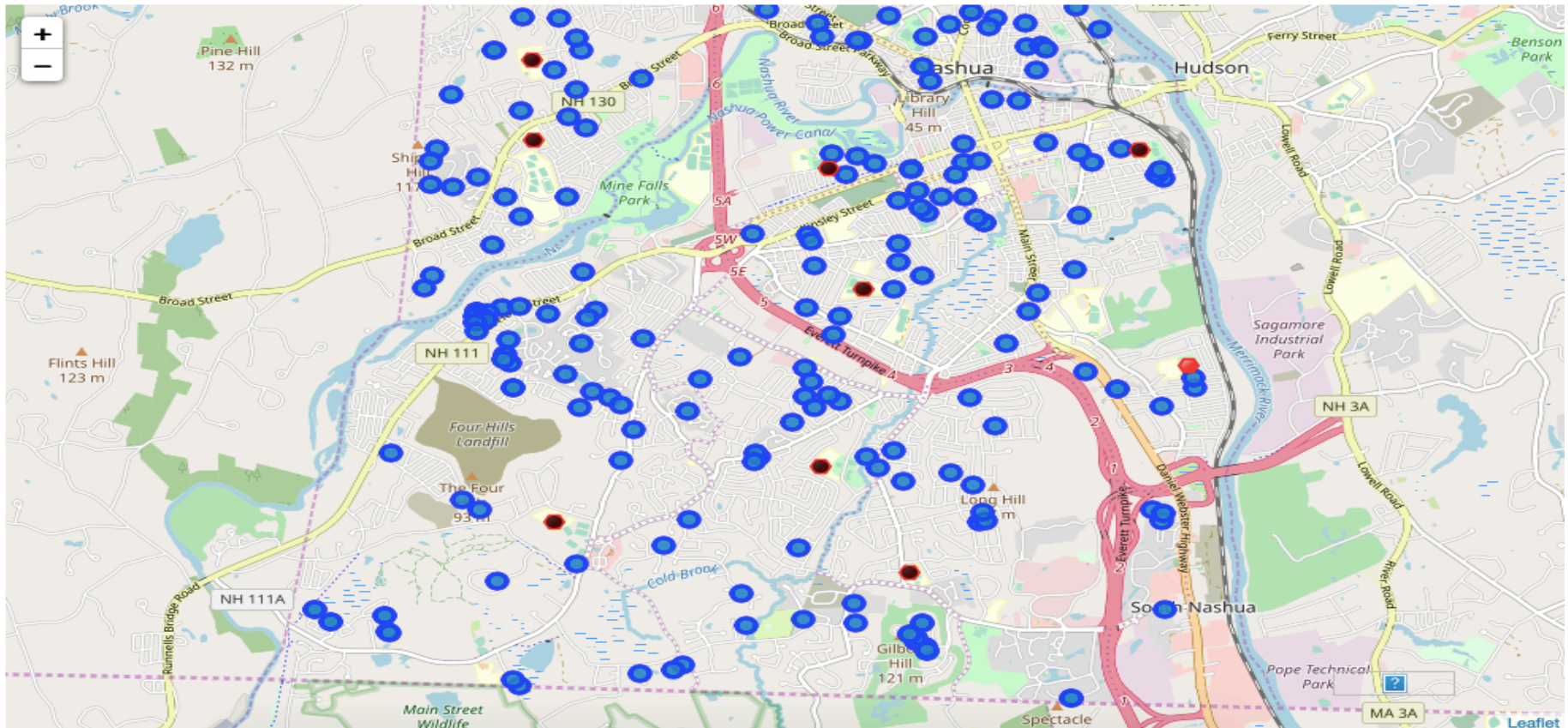
# Nashua houses for sale statistics

## Price per sq. ft



Plot showing that houses price is around 200 per sq. ft.

# Map with houses for sale, their elementary school zone with nearby venues.



# Conclusion



Above maps conclude that best area to purchase a house in budget of price range \$350,000 with 3-4 bedrooms and good Elementary school rating is area around Bicentennial School with all venues like playground, grocery, restaurants nearby.