

Battle of the Neighborhoods - Seattle



Problem Statement



About 4 million residents in the Seattle Metropolitan
Expanding neighborhoods outside of the Seattle area



Identify popular local venues

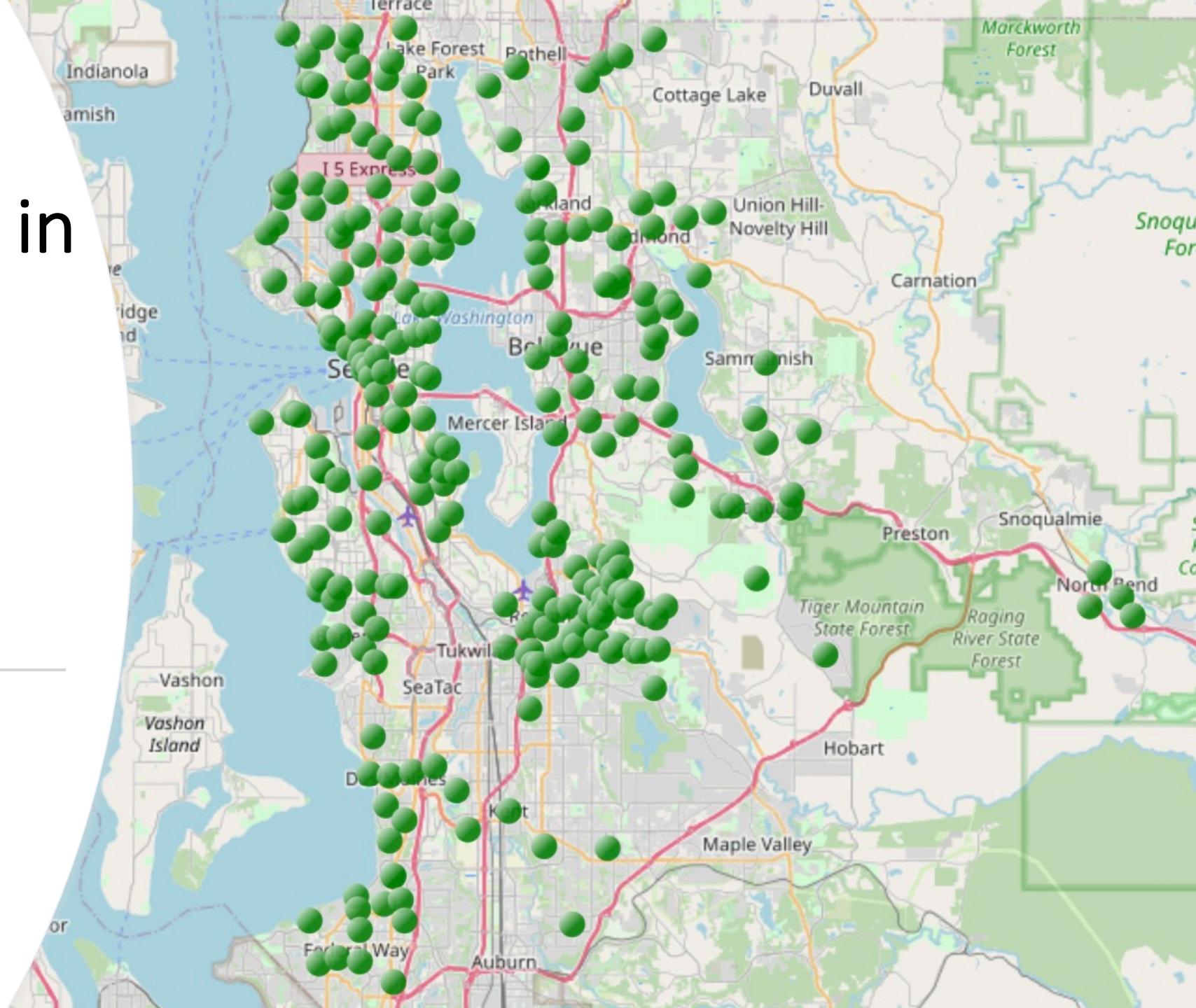


Home values and ease of transport

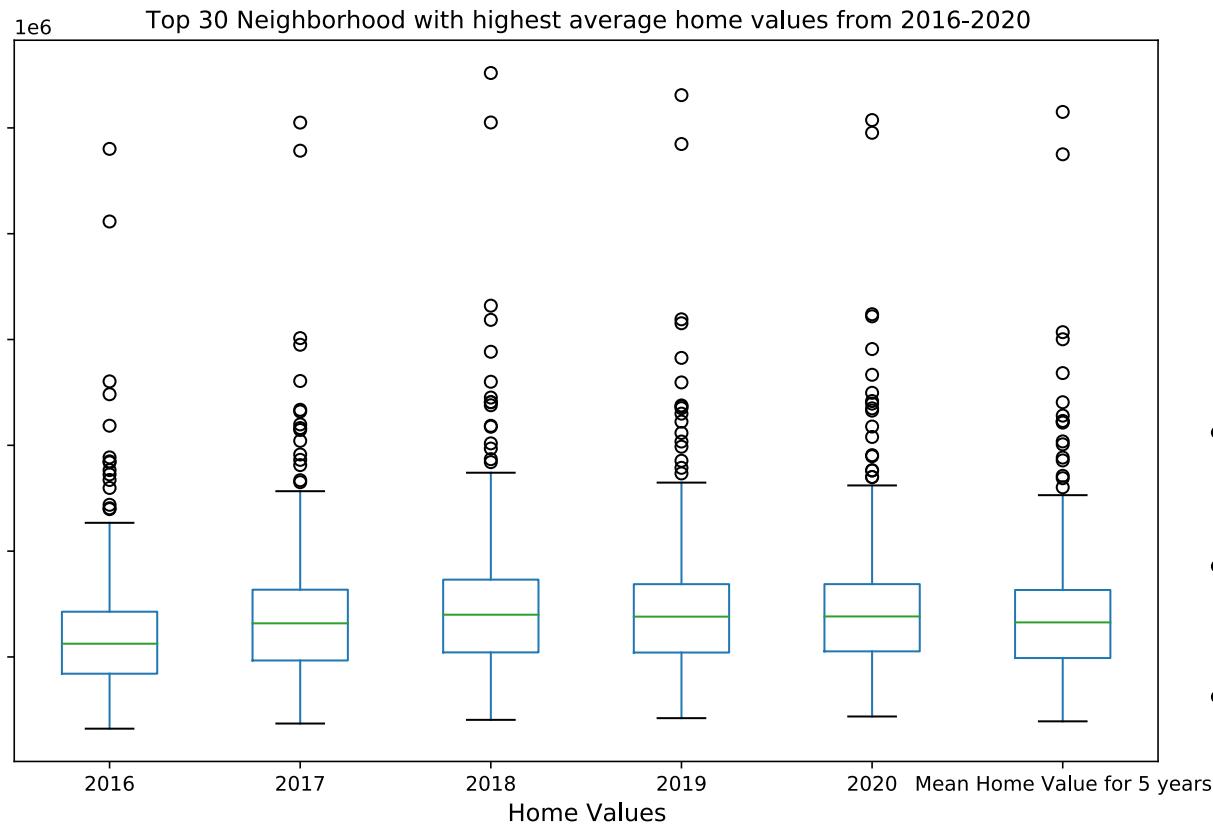


Analysis

Neighborhoods in
Seattle
represented by
the green
bubbles

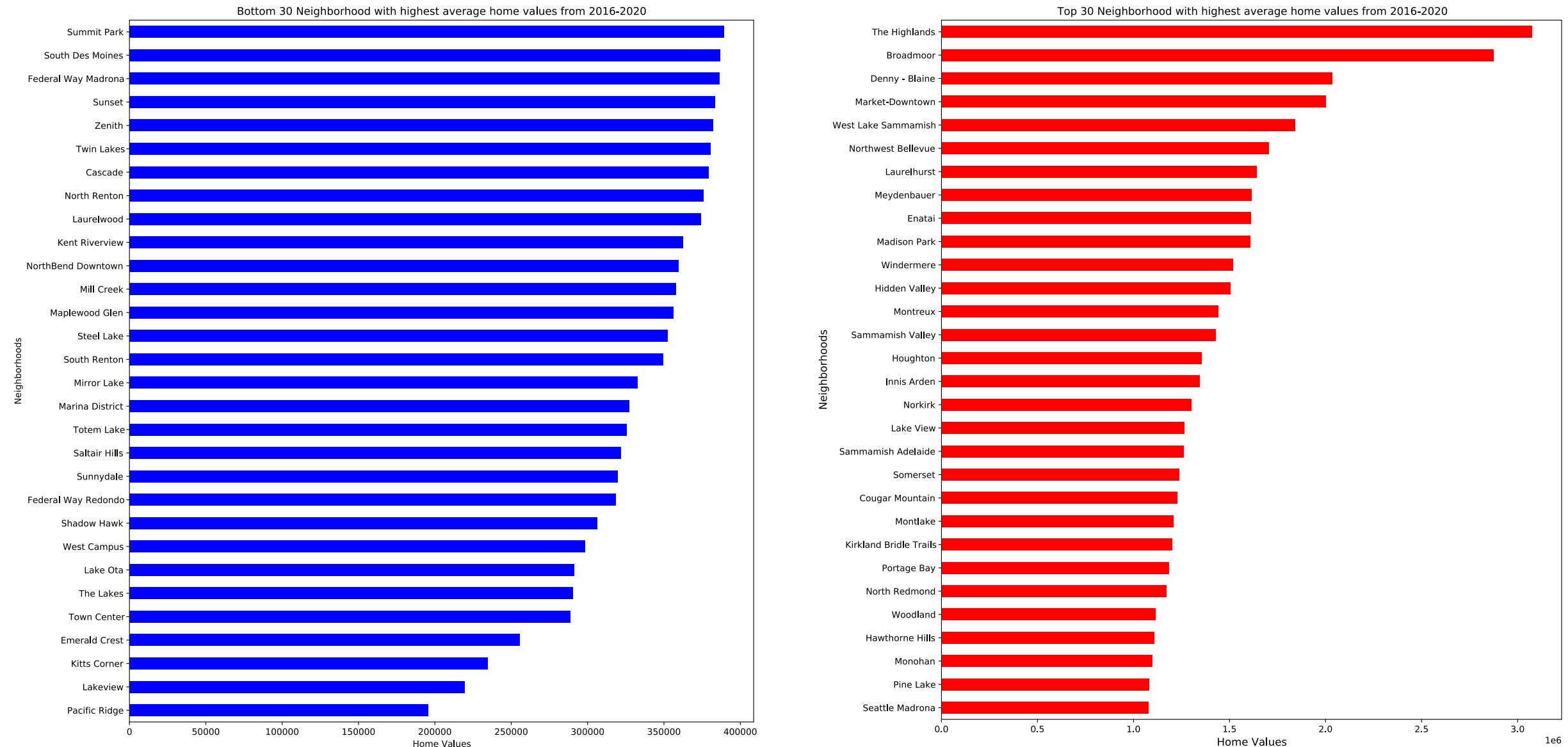


Distribution of home value from 2016-2020

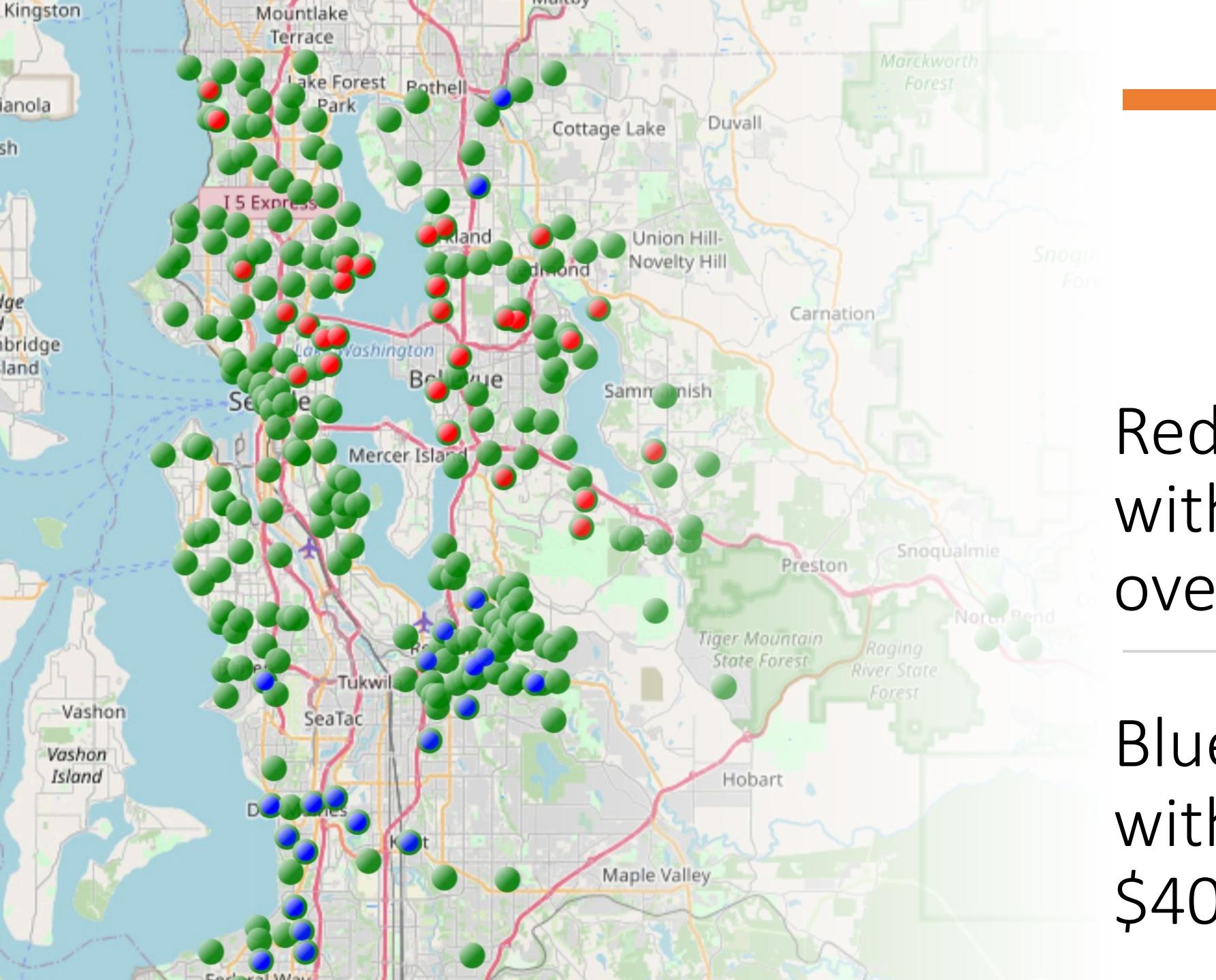


- Largest value in the distribution over \$1 million
- Lowest value in the distribution around \$300k
- Large outliers present with highest values over \$3 million

Neighborhoods with bottom and top 30 homes values on average

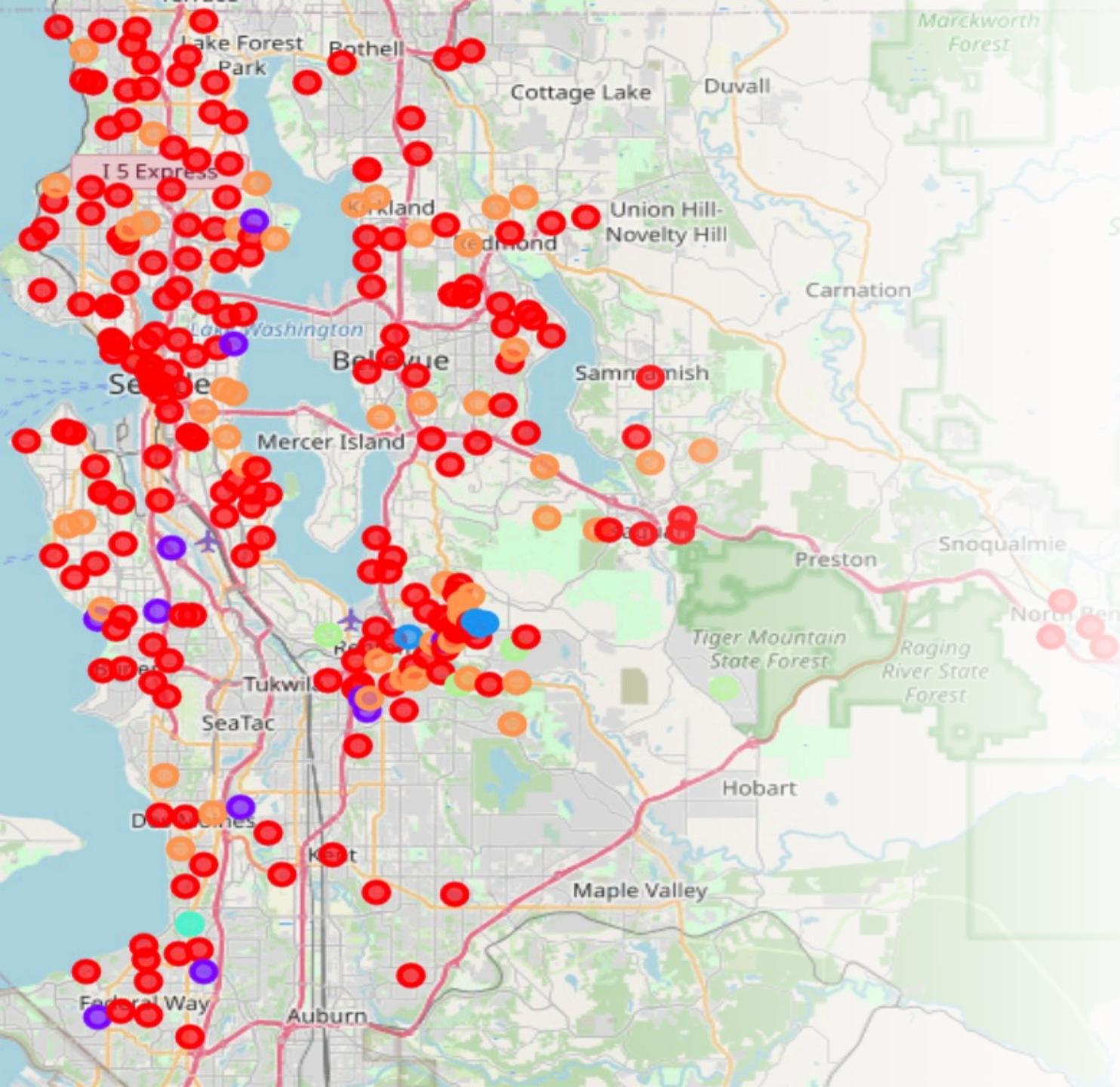


Results



Red neighborhoods
with home values
over \$ 1 million

Blue neighborhoods
with home values >
\$400k



A map of Seattle and the surrounding Puget Sound area, including Mercer Island, Bellevue, Redmond, Sammamish, Carnation, Preston, Snoqualmie, North Bend, Tukwila, SeaTac, Kent, Auburn, and Maple Valley. Numerous colored circles of varying sizes are scattered across the map, representing neighborhood clusters. The clusters are primarily red, indicating a single dominant venue type. Other colors include orange, blue, purple, and green, representing smaller clusters or specific venue types.

Clustering of the neighborhoods based on top venues from FourSquare API

Most neighborhood
seem to fall under
one cluster (red)



	Neighborhood	Neighborhood Latitude	Neighborhood Longitude	Walk Score	Walk Description	Bike Score
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Bike Description

Bikeable	72	72	72	72	72	72
Biker's Paradise	13	13	13	13	13	13
Somewhat Bikeable	136	136	136	136	136	136
Very Bikeable	59	59	59	59	59	59

	Neighborhood	Neighborhood Latitude	Neighborhood Longitude	Walk Score	Bike Score	Bike Description
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Walk Description

Car-Dependent	139	139	139	139	139	139
Somewhat Walkable	63	63	63	63	63	63
Very Walkable	49	49	49	49	49	49
Walker's Paradise	29	29	29	29	29	29

Walk and Bike Score from WalkScore API

About 30% of neighborhoods walk and bike friendly

Conclusion

- Large variation in the home value based on location
 - North and north—east of Seattle show high home values
 - South of Seattle cheaper than the rest
- Top attractions are similar in majority of the neighborhoods
- Seattle Metro is not quite bike and walk friendly with only 30% of neighborhoods have business conveniently located for resident
- Area near Renton, WA could be most suitable for the average residents looking to settle in the Seattle metro

