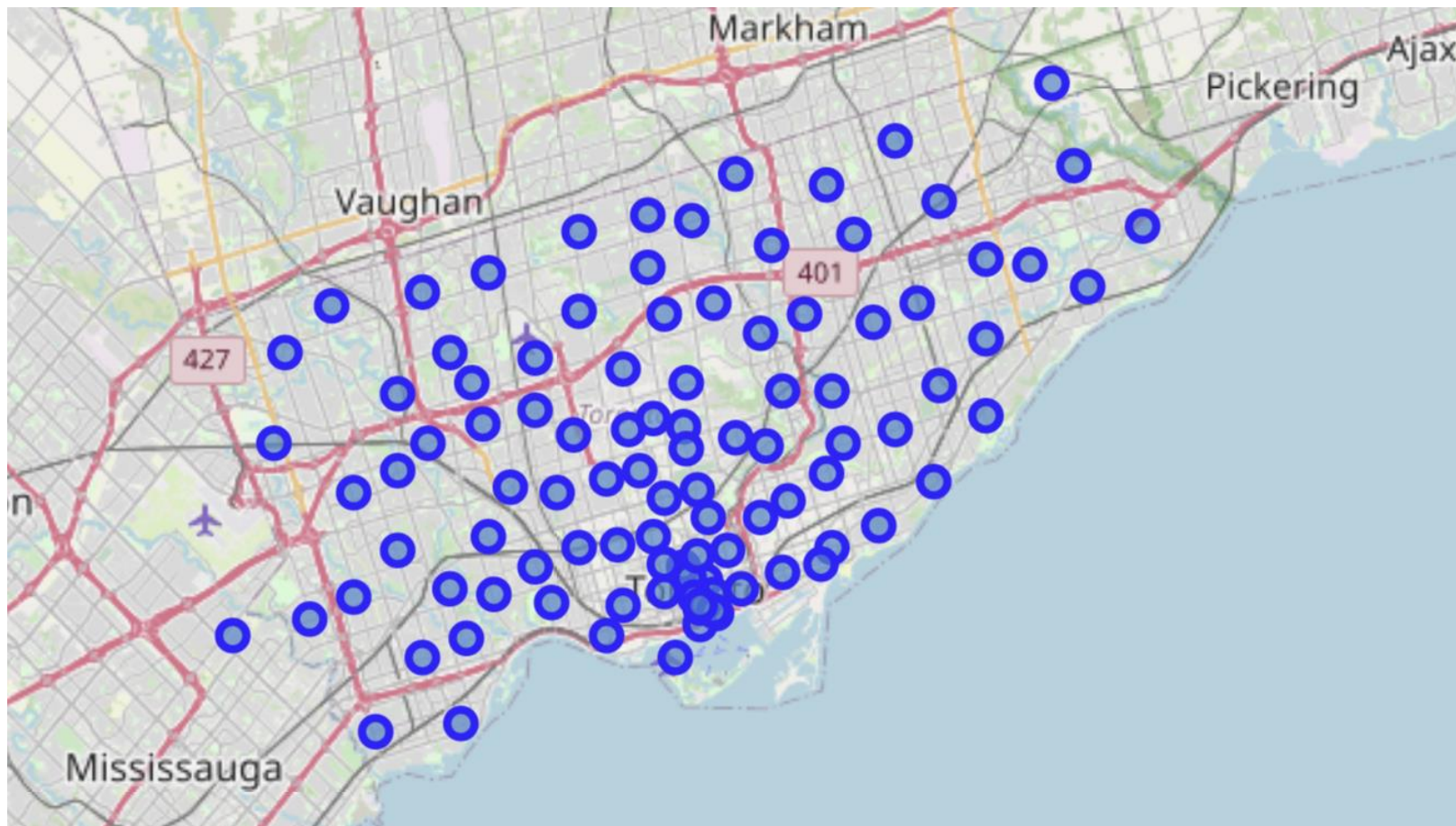


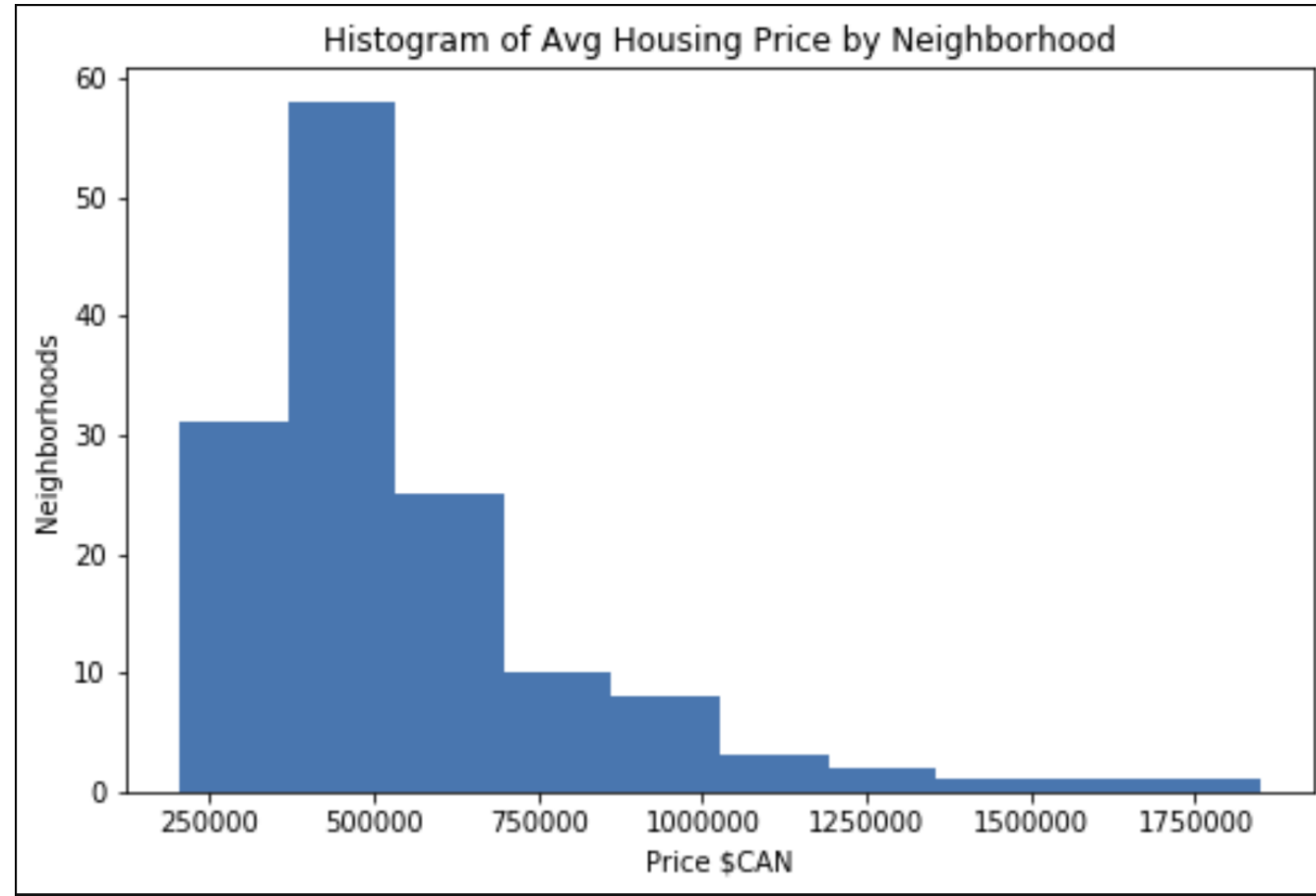
# Foursquare Venue Effect on Toronto Home Prices

Mark Atkins

# Toronto Neighborhoods



# Histogram of Housing Prices



# Venues with Correlation >0.2

Home Prices	
Home Prices	1.000000
Bagel Shop	0.263501
Candy Store	0.238034
College Gym	0.359421
College Quad	0.430248
Liquor Store	0.253851
Playground	0.243628
Pub	0.237198
Trail	0.294946

# $R^2$ for Test Set with Home Price Target

- Highly Correlated venues:  $R^2 = 0.22$
- Summation of Venues:  $R^2 = 0.02$

# Conclusion

- Both metrics did not yield accurate results to predict home price
- MLR of venue data alone is not enough to accurately predict housing prices
- This indicates simply adding venues to a neighborhood is not an optimal method to increase housing value