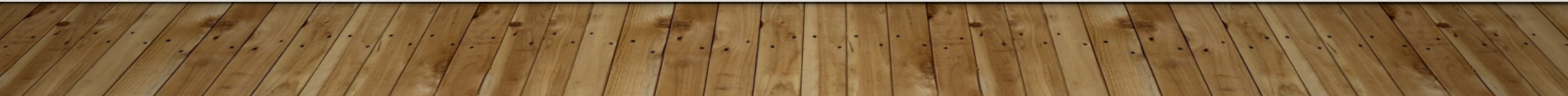


FINDING THE BEST LOCATION FOR A BAR IN THE CITY OF TORONTO



INTRODUCTION

A new bar should be opened based on

- a high number of potential customers
- a low number of competing bars

DATA UNDERSTANDING

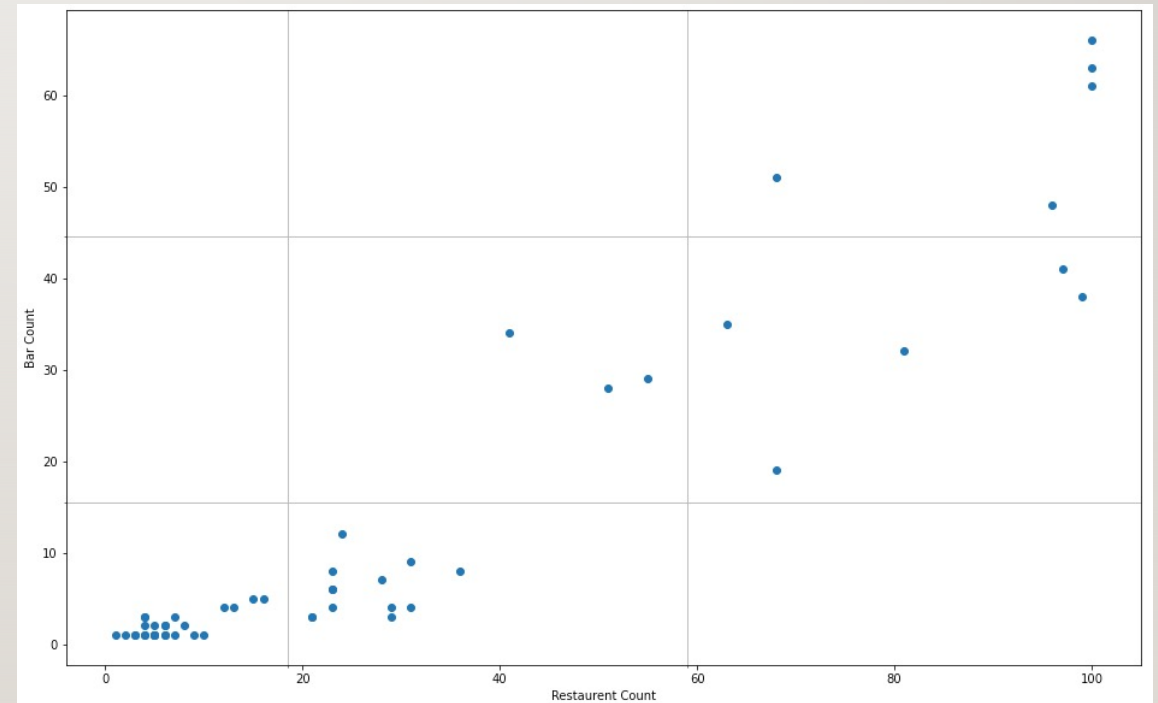
For each neighborhood in Toronto, get

- number of restaurant in the neighborhood
- number of bars in the neighborhood

	PostalCode	Borough	Neighborhood	Latitude	Longitude	Restaurent Count	Bar Count
0	M5A	Downtown Toronto	Regent Park, Harbourfront	43.654260	-79.360636	24	12
1	M6A	North York	Lawrence Manor, Lawrence Heights	43.718518	-79.464763	3	1
2	M7A	Queen's Park	Ontario Provincial Government	43.662301	-79.389494	31	9
3	M3B	North York	Don Mills	43.745906	-79.352188	5	1
4	M4B	East York	Parkview Hill, Woodbine Gardens	43.706397	-79.309937	5	2

METHODOLOGY

- Use k-means clustering to identify neighborhoods with 'high', 'medium' and 'low' number of restaurants
- Do the same for the number of bars



RESULTS AND DISCUSSION

- There are 5 neighborhoods with a 'high' number of restaurants but only a 'medium' number of bars
- These are ideal locations for the new bar

		Neighborhood
Restaurent Occurance	Bar Occurance	
High	High	5
	Medium	5
Low	Low	27
Medium	Low	13
	Medium	3

