

# THE BATTLE OF NEIGHBORHOOD

TORONTO, CANADA

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# INTRODUCTION

- THIS PROJECT IS TO TAKE A GLIMPSE AT DIFFERENT NEIGHBORHOODS OF PROVIDENCE, RI AND HARTFORD, CT. BOTH CITIES ARE CAPITAL CITIES OF THEIR STATES AND ARE MAJOR CITIES BETWEEN NEW YORK CITY AND BOSTON IN EAST COAST.
- TRAVELERS FROM INSIDE AND OUTSIDE OF NEW ENGLAND AREA WHO WANT TO DECIDE WHERE TO VISIT AND BUSINESS OWNERS MAY BE INTERESTED IN THE PROJECT.



# DATA

- I ORGANIZED TWO DATA SETS OF ZIPCODE AND NEIGHBORHOODS WITH LATITUDE AND LONGITUDE FOR EACH CITY FROM MULTIPLE ONLINE SOURCES
- DATASET LINK:
- [HTTPS://EN.WIKIPEDIA.ORG/WIKI/LIST OF POSTAL CODES OF CANADA: M](https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M)
- FEATURES:
- 1. NEIGHBORHOOD
- 2. NEIGHBORHOOD LATITUDE
- 3. NEIGHBORHOOD LONGITUDE
- 4. VENUE
- 5. NAME OF THE VENUE E.G. THE NAME OF A STORE OR RESTAURANT
- 6. VENUE LATITUDE
- 7. VENUE LONGITUDE
- 8. VENUE CATEGORY

# SAMPLE DATA

	Postalcode	Borough	Neighborhood	Latitude	Longitude
0	M1B	Scarborough	Malvern, Rouge	43.81153	-79.19552
1	M1C	Scarborough	Rouge Hill, Port Union, Highland Creek	43.78564	-79.15871
2	M1E	Scarborough	Guildwood, Morningside, West Hill	43.76575	-79.17520
3	M1G	Scarborough	Woburn	43.76820	-79.21761
4	M1H	Scarborough	Cedarbrae	43.76969	-79.23944
...	...	...	...	...	...
98	M9N	York	Weston	43.70357	-79.51645
99	M9P	Etobicoke	Westmount	43.69623	-79.52926
100	M9R	Etobicoke	Kingsview Village, St. Phillips, Martin Grove ...	43.68674	-79.55729
101	M9V	Etobicoke	South Steeles, Silverstone, Humbergate, Jamest...	43.74453	-79.58624
102	M9W	Etobicoke	Northwest, West Humber - Clairville	43.71174	-79.57918

103 rows × 5 columns



# METHODOLOGY

- BASIC SKILLS FROM WEEK 3 LAB
- MAJORLY RELIED ON FOURSQUARE API TO RETRIEVE ALL VENUES OF EACH NEIGHBORHOODS, THEN GROUP BY EACH NEIGHBORHOODS AND TO COUNT HOW MANY VENUES BEFORE FILTER TOP 10 MOST COMMON VENUE TYPES OF EACH NEIGHBORHOODS



# RESULTS

- PROVIDENCE HAS MORE VENUES THAN HARTFORD (512 vs 460)
- FEDERAL HILL HAS THE MOST VENUES IN PROVIDENCE
- DOWNTOWN HAS THE MOST VENUES IN HARTFORD
- MOST OF VENUES IN FEDERAL HILL ARE RESTAURANTS, BARS
- VENUES IN DOWNTOWN HARTFORD ARE MORE DIVERSE INCLUDES: BANKS, CONCERT HALL, GYMS...
- BARS, RESTAURANTS, BAKERIES, AND DINERS ARE VERY COMMON IN PROVIDENCE
- HARTFORD IS MORE ABOUT COMMERCIAL



# CONCLUSION

- FOR TRAVELERS:
- PROVIDENCE MAY MORE SUITABLE TO SPEND A GOOD AMOUNT TIME OF ENJOY THE LOCAL FOOD
- HARTFORD HAS LESS FOOD BUT MORE COMMERCIAL
  
- FOR BUSINESS OWNERS:
- PROVIDENCE IS GOOD PLACE TO OPEN SMALL BUSINESS RELATED TO FOOD AND TRAVEL INDUSTRY
- HARTFORD IS BETTER PLACE TO INVOLVE IN INSURANCE INDUSTRY