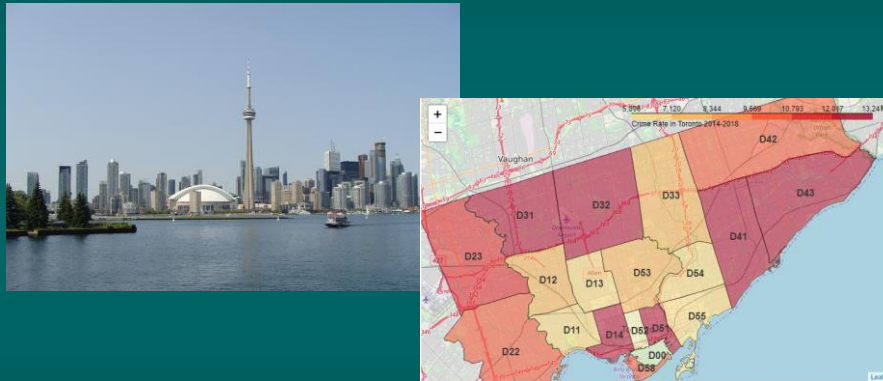


WK5 Capstone Project

Where is a right place to move in Toronto?



2020.02.13

Jahyun Kim

1. Introduction

- Moving to other place is very stressful thing but also very important.
 - Usually, we live at the place, over more than 5 years.
 - I came to Canada 10 years ago and my children became grown-ups.
 - They spent more than 3 hours each and totally my family spent 7 hours per a day. They work in Toronto.
 - I have only three years left until my retirement.
 - Hence, I should consider moving to Toronto.
-
- Where is a right place to move in Toronto?

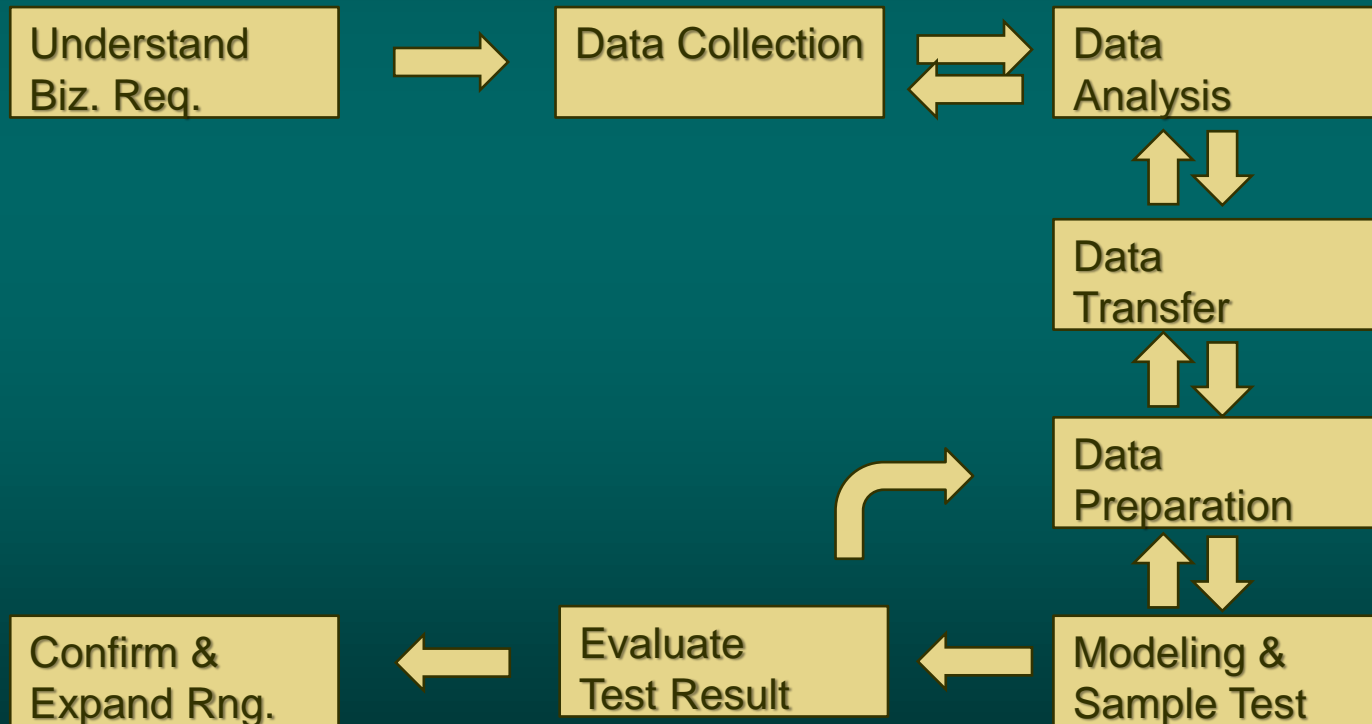
2. Data

- Read data and convert to Pandas DataFrames
- Manipulate DataFrames for plotting
- Map Geometry data to DataFrame

		2017	2018	Total	
Division					
D52		831	931.0	1762.0	
D51		849	919.0	1768.0	
D11		1252	1261.0	2513.0	
D33		1383	1428.0	2811.0	ing
D55		1654	1757.0	3411	
...		
	17	(includes Humber Bay Shores) (17)	43.614082	-79.492294	
	17	Mimico (includes Humber Bay Shores) (17)	43.614082	-79.492294	
	53	Henry Farm (53)	43.773651	-79.348854	
	27	York University Heights (27)	43.763363	-79.500862	

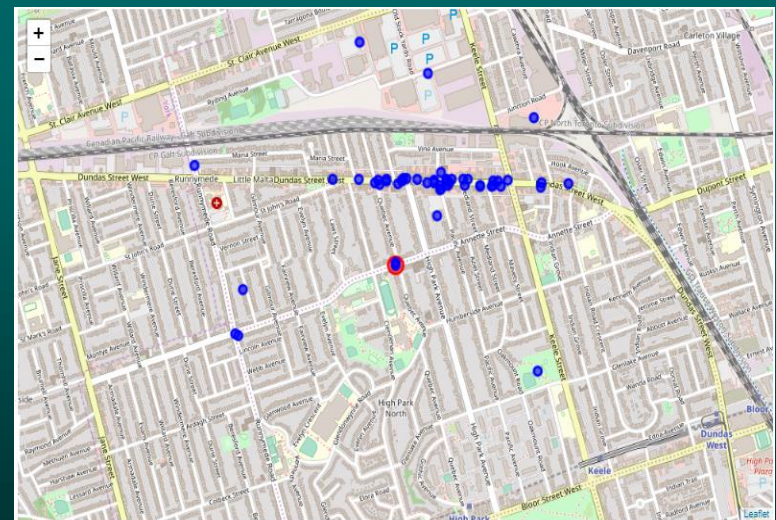
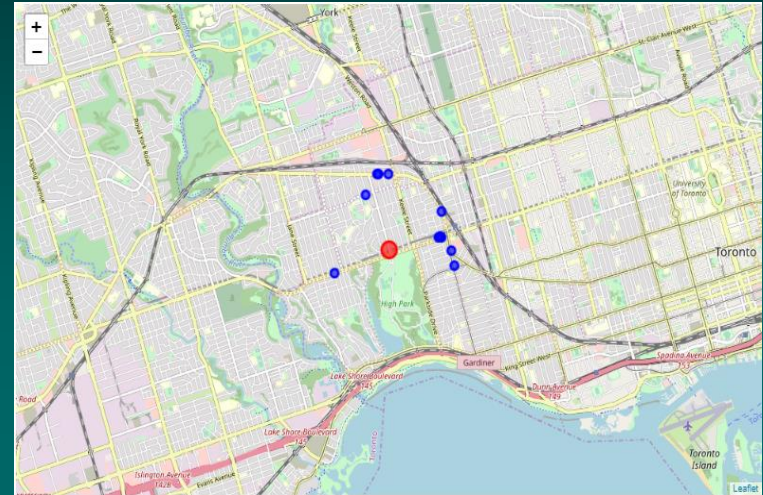
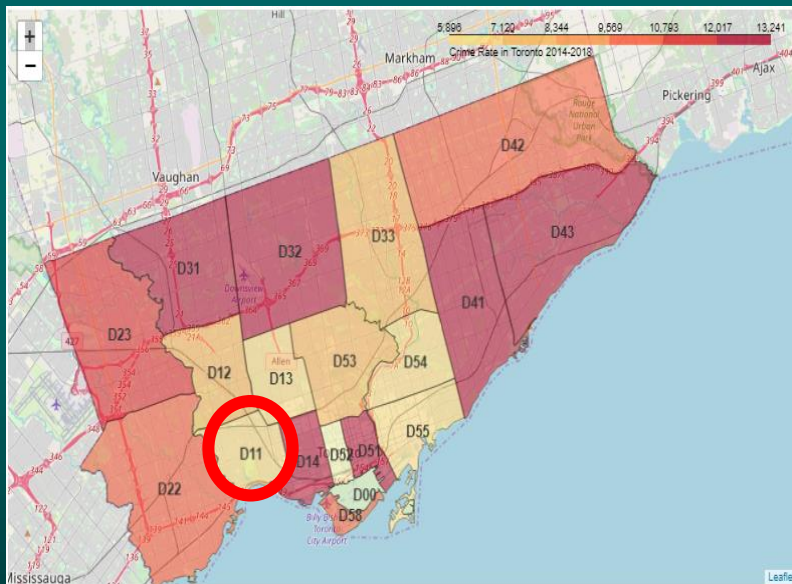
3. Methodology

- Understand Business Requirement and Collect the Data
- Analyze – transfer – Prepare Data
- Modeling and Sample test
- Evaluate test Result and expand Range



4. Result

- Select D11 from the Choropleth Map
 - Low incidents during 2014–2018
 - Residence Area
 - Good Neighborhood
 - Close commutation distance
- Explore popular Spots and Venues around D11



5. Discussion

- My first priority is Safety. It also affects to the insurance fees
- The second is good neighborhood
- the last one is Commutation Distance

- What is your priority to move?

- Safety
- Neighborhood
- Commutation Distance
- Community
- Public Transit
- and so on

6. Conclusion

- Got a right place to move in Toronto
- Choropleth map is a great tool to identify the density of numbers comparing around area through eyes
- Had a great time to learn various skills and tools through this course
- This experience and approaching method will be used to various cases.