Ethan Goldstein IBM Data Science Capstone Project

SUBWAY SURFING: WHICH SUBWAY STATION SHOULD I LIVE NEAR?

Which subway stop should I centre my house hunting on?

Context

- Currently live in the suburb's of Toronto
- Looking to move near a subway station to shorten commute
- Ideal station should be within walking distance of 5 types of amenities that are important to me

Data



Self calculated -> 1500 m



Subway station location data



Venues surrounding each station

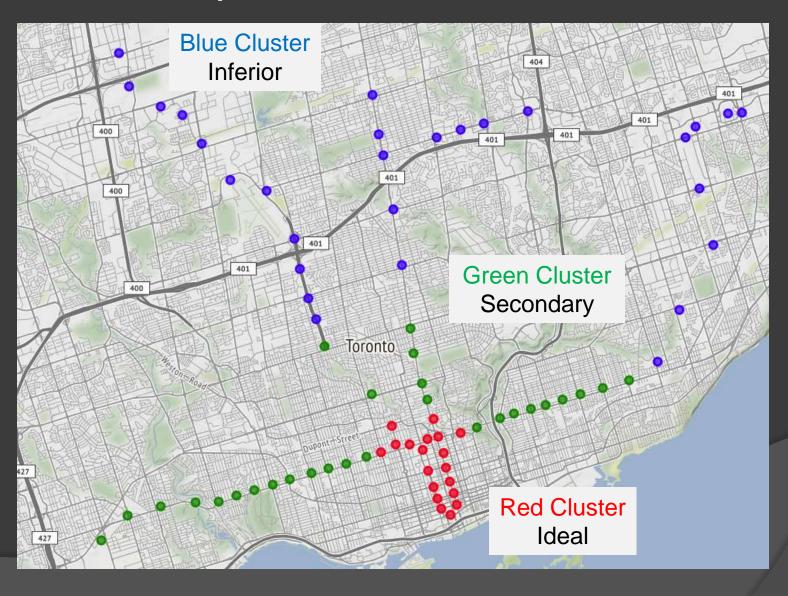
Methodology

Determine subway station latitude and longitude

Pull count of interesting venues near each subway station

Expand scope of search by clustering similar stations

Results / Discussion



Conclusion

- 76 Subway Stations In Toronto
- 19 Stations in ideal cluster
 - BATHURST, BAY, BLOOR-YONGE, COLLEGE, DUNDAS, DUPONT, KING, MUSEUM, OSGOODE, QUEEN, QUEEN'S PARK, ROSEDALE, SHERBOURNE, SPADINA, ST ANDREW, ST GEORGE, ST PATRICK, UNION, or WELLESLEY
- First choice: Dundas Station
 - By number of amenities in walking distance