The background is a blue gradient with abstract white geometric patterns. On the left, there are several concentric circles and radial lines, some with tick marks and numbers (40, 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260). On the right, there are more concentric circles and radial lines, some with arrows indicating direction. The overall design is technical and futuristic.

PREDICTING SUITABLE NEIGHBOURHOOD FOR A GAS STATION IN EDMONTON

PREDICTING SUITABLE NEIGHBORHOOD IS VALUABLE FOR NEW VENUE

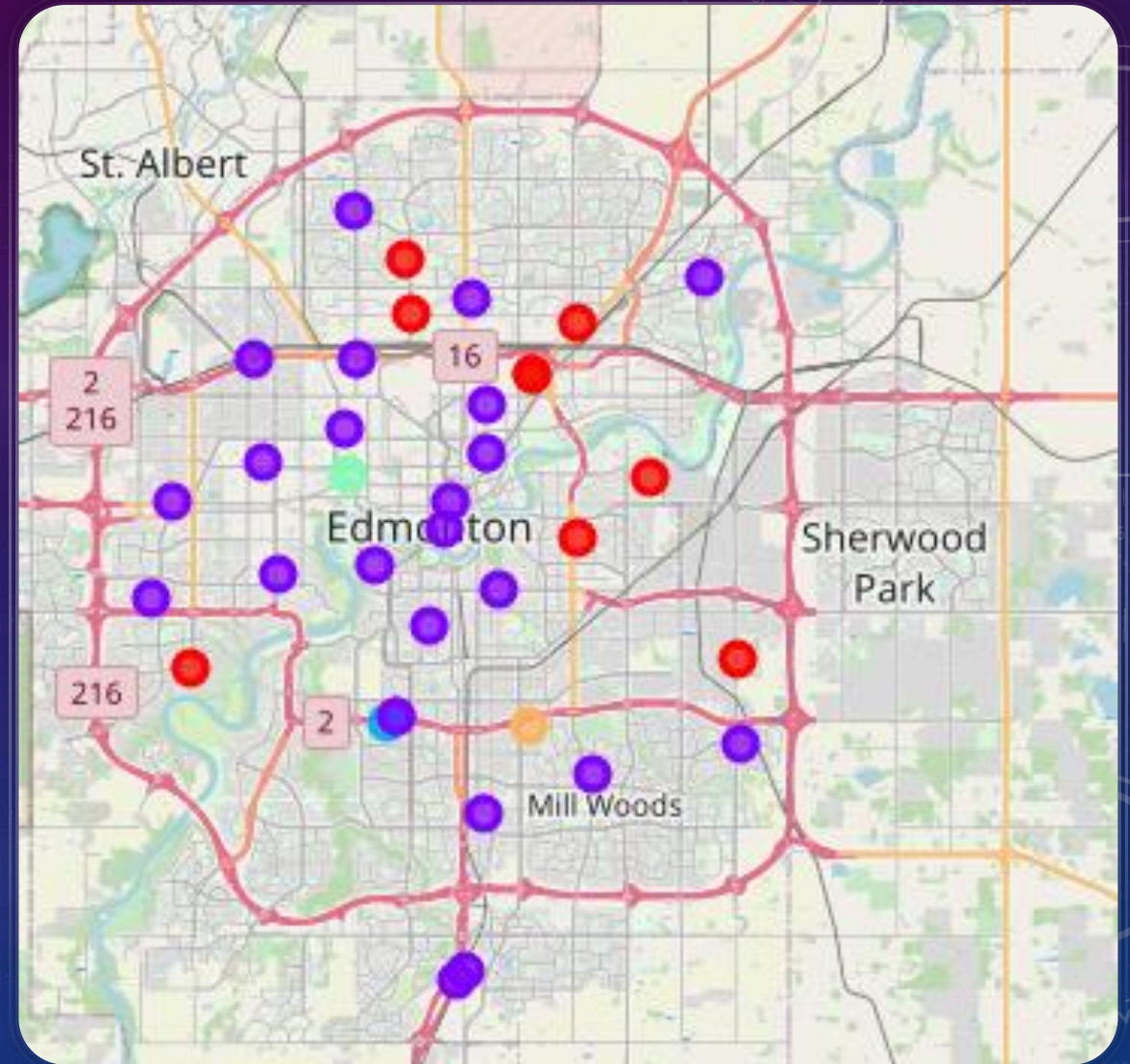
- Venues details present in the neighborhoods can be obtained. Therefore, we can categorize neighborhoods based on venue frequency.
- Such prediction can help setting up a new venue.

DATA ACQUISITION AND CLEANING

- Neighborhood locations can be found in https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_T
- Cleaned data doesn't have neighborhoods without location coordinates.

EXPLORE NEIGHBORHOODS USING FOURSQUARE API AND K-MEANS CLUSTERING ALGORITHM

- This is to get the details about the venues present in every neighborhood of Edmonton
- Group the neighborhoods depending on the frequency of each category venues.



CONCLUSION AND FUTURE DIRECTIONS

- Gas stations are more common in the neighbourhoods segmented to cluster 2.
- Frequency of Gas Station in other clusters 1,3,4,5 is insignificant.
- Improvements include:
 - Land availability(In the neighborhood)
 - Prices(Infrastructure costs)
 - Proximity to public places