Location of a New Indian Restaurant in Montreal, Quebec
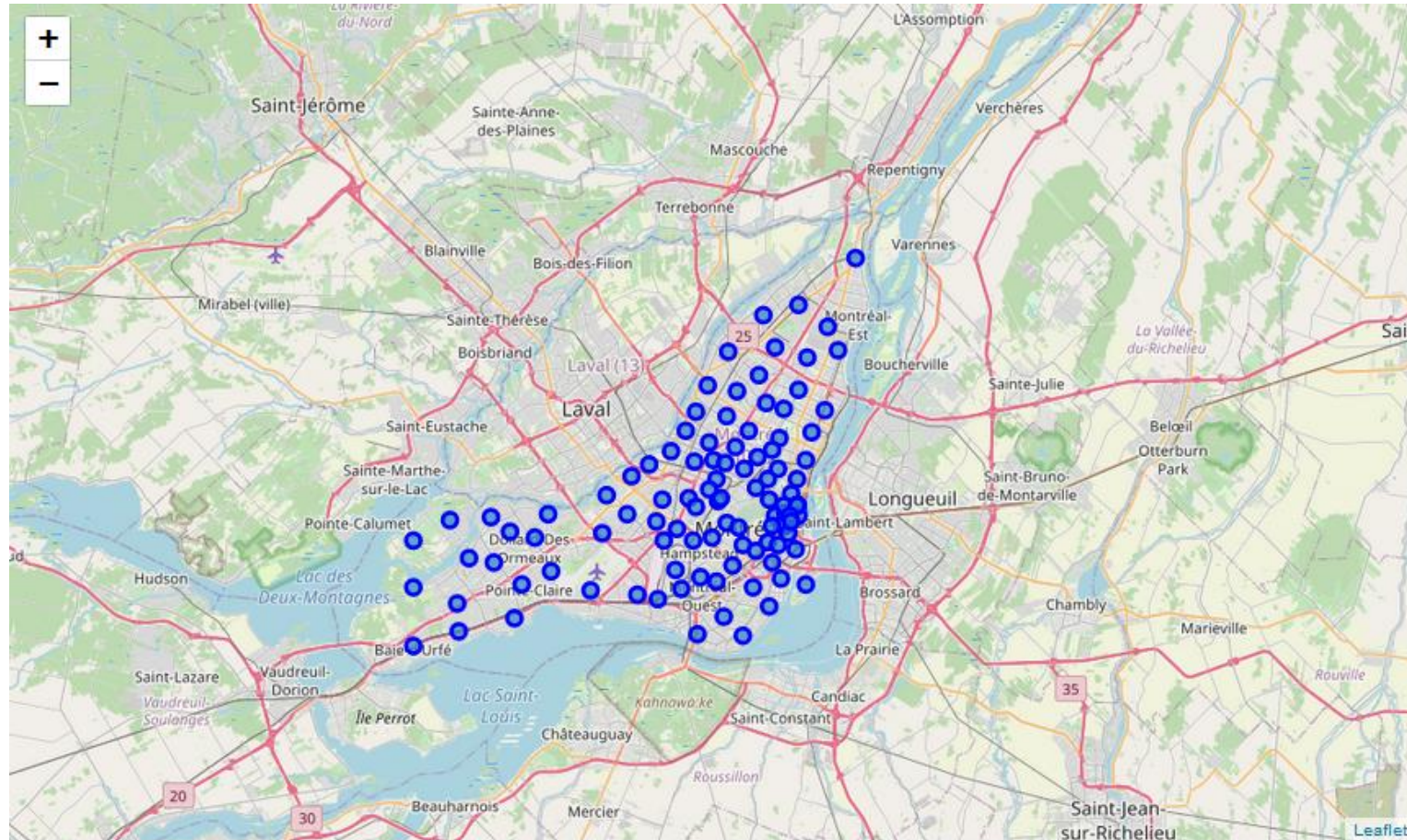
Andrew Stutman

Montreal's Indian restaurants are all located in vicinity of downtown, the most venue dense area

- There are a variety of venues throughout Montreal, including restaurants

- Vicinity of downtown Montreal contains the greatest density of venues

- Montreal has 10 Indian restaurants, all located in or around downtown
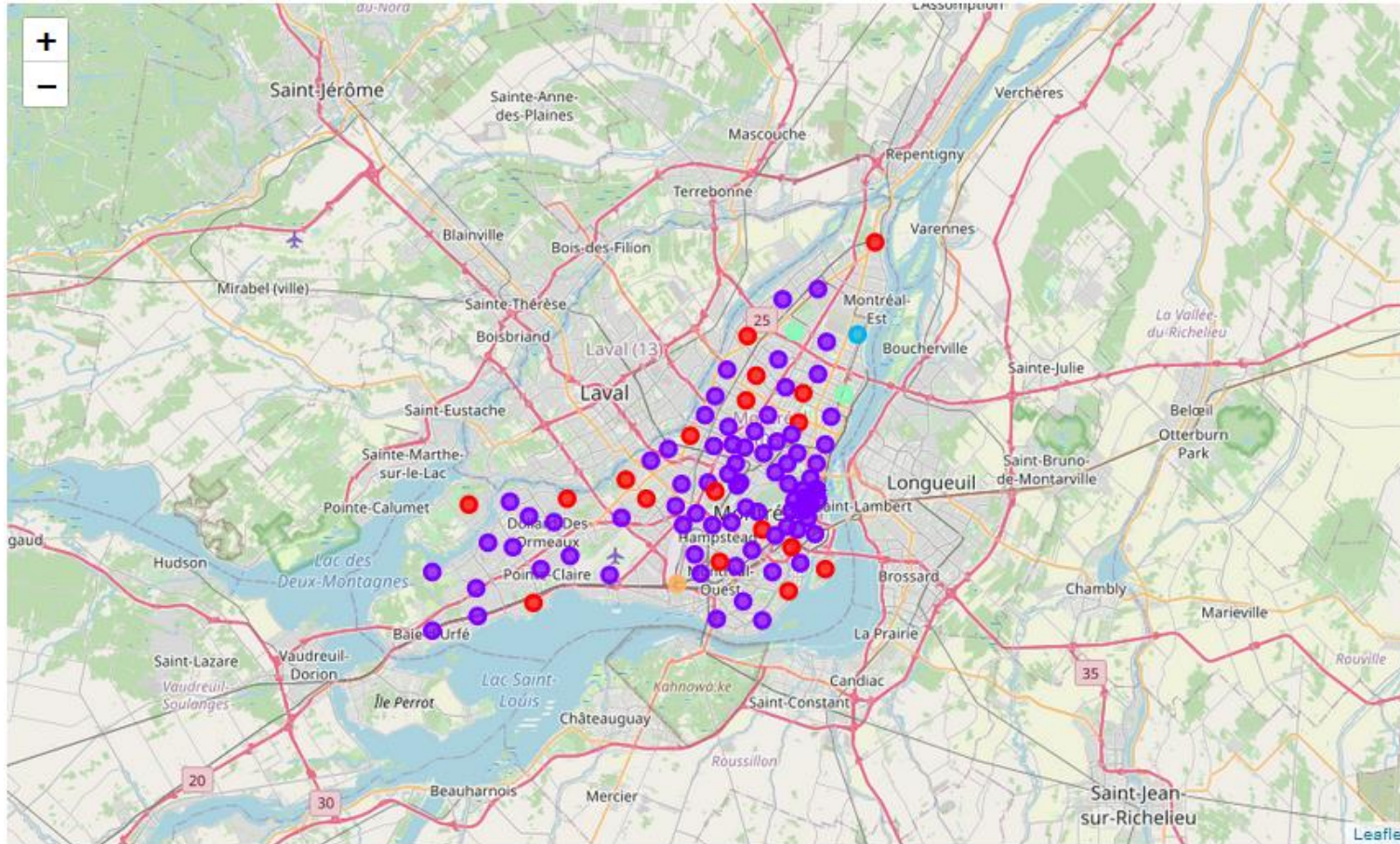
Data Acquisition and Cleaning

- Montreal's postal codes accessed from https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_H

- Geocoder added longitude and latitude data

- Foursquare identified Montreal's venues, including Indian restaurants

- Data cleaning involved removing unused postal codes and records of null data

Montreal's Postal Codes Mapped

Clustering of Postal Codes with Similar Venues

1 (red marker):
recreation, shopping, restaurants

2 (purple marker):
restaurants, hotels, shopping/markets

3 (blue marker):
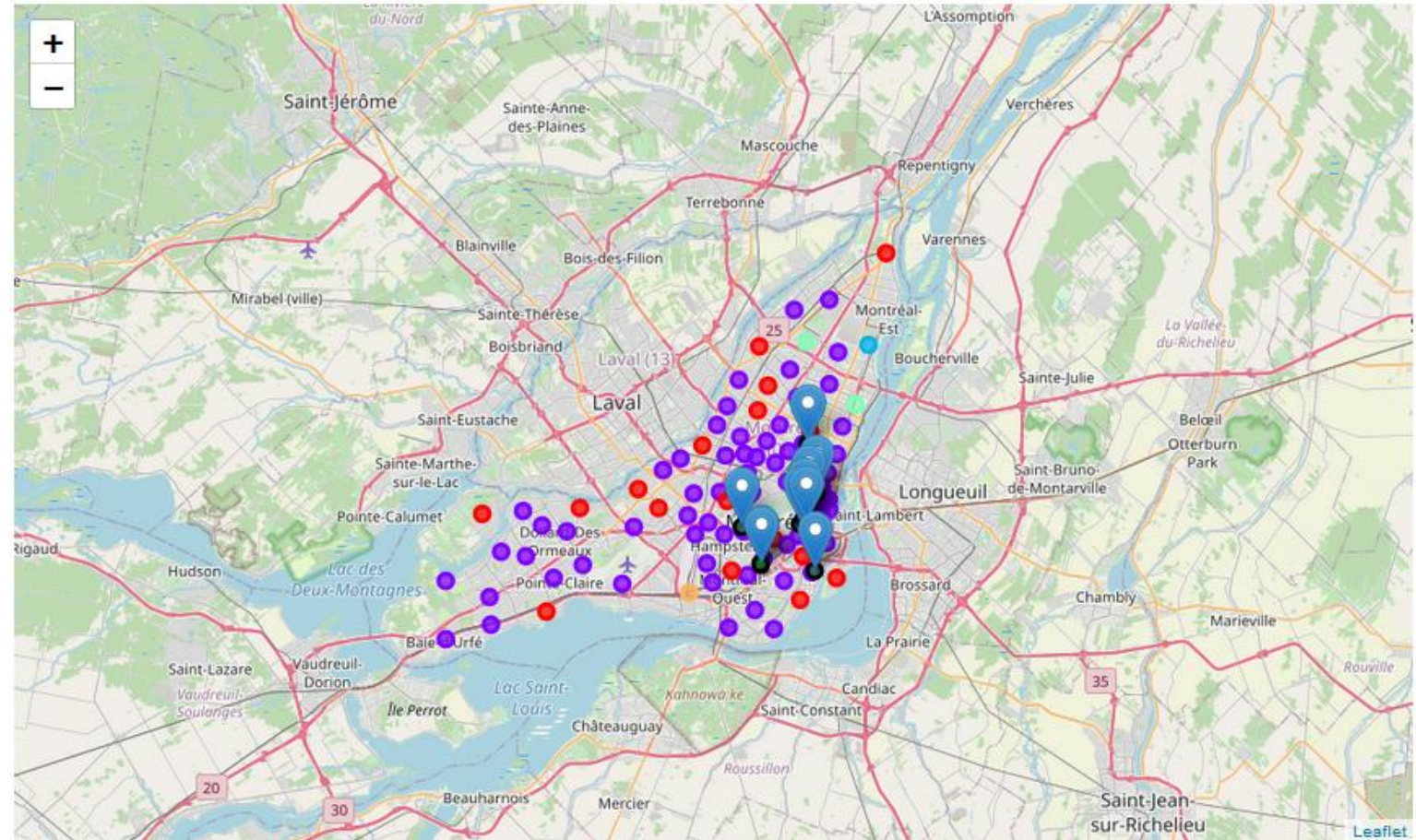Mercier North; shopping/markets, yoga, restaurants

4 (green marker):
Anjou West and Mercier Southeast; recreation, shopping/markets, restaurants

5 (orange marker):
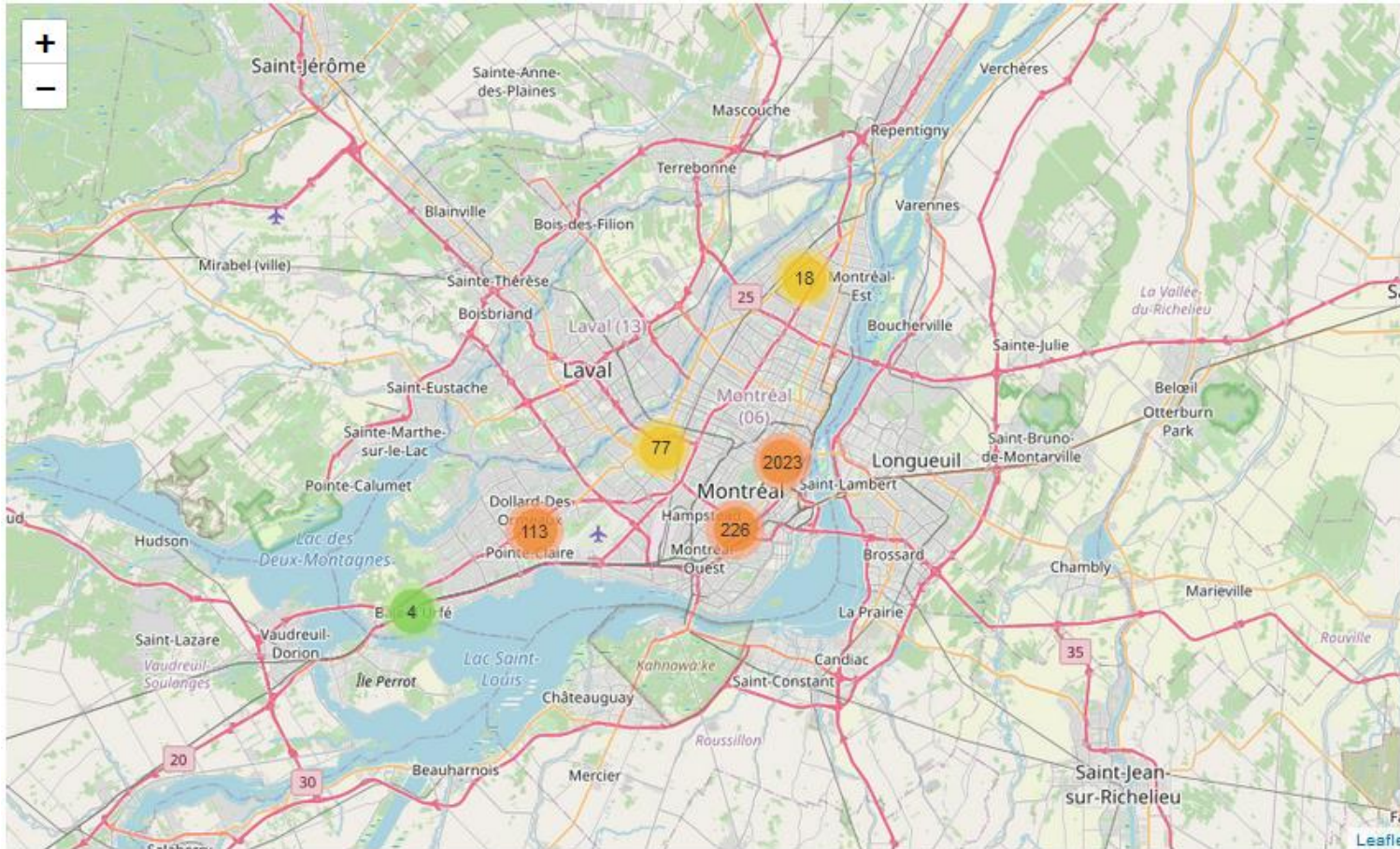Lachine East; storage, yoga, restaurants, markets

Indian Restaurants Added to Clusters Map

10 Indian restaurants

- **black**/**green** circles with blue/white hovering markers:

- all located in vicinity of downtown Montreal (central/eastern side of Montreal)
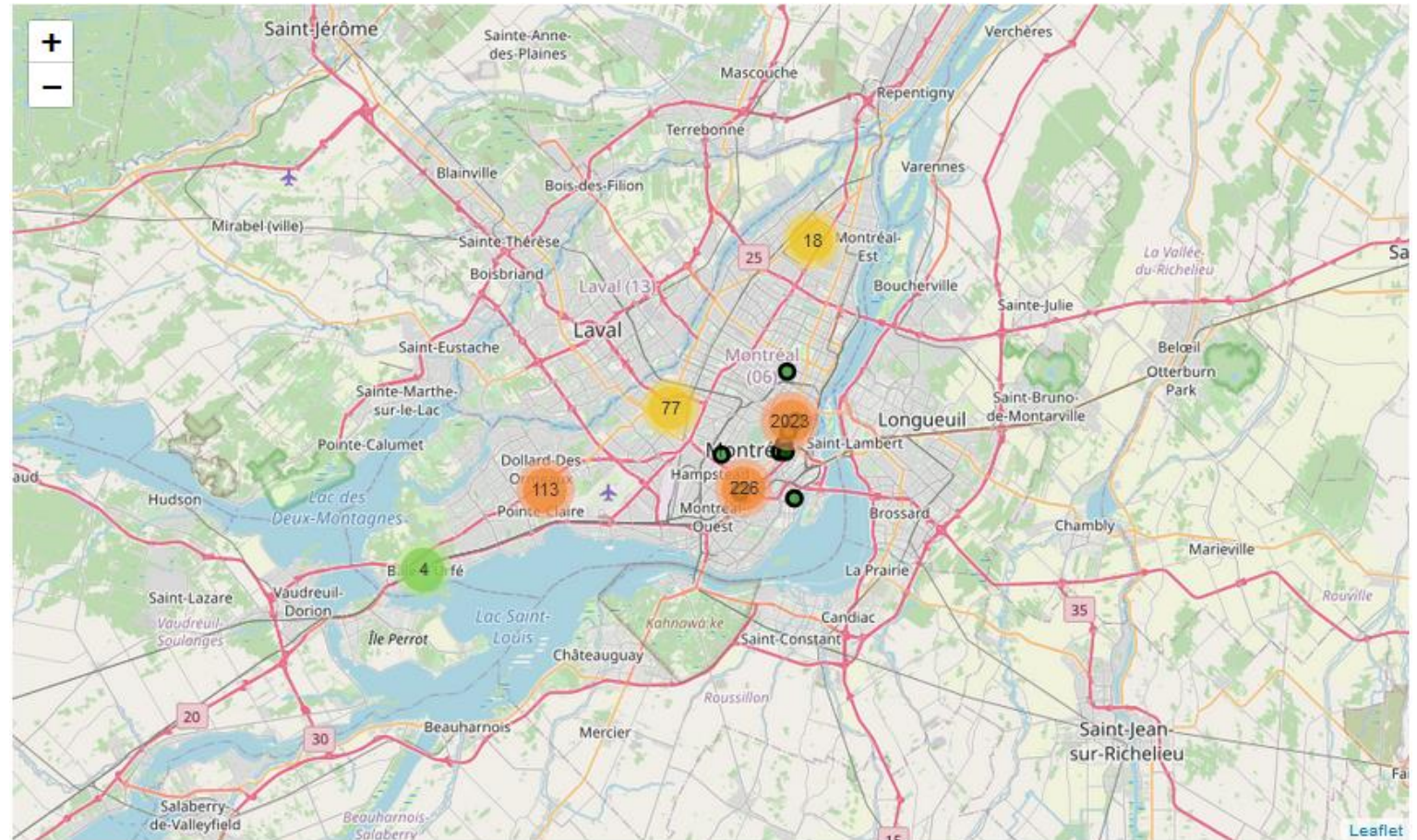
Map of Montreal's Venue Density

Vicinity of downtown Montreal (central/eastern Montreal) has the greatest density of venues

Indian Restaurants Added to Map of Montreal's Venue Density

10 existing Indian restaurants (**black**/**green** circles:) are located in the vicinity of downtown Montreal, which is the area in which Montreal has the greatest geographic density of venues

Conclusion

- Montreal's 10 Indian restaurants are all relatively close to each other in the vicinity of downtown

- Cluster analysis reveals venues throughout the entirety of Montreal (i.e., commerce exists across Montreal, including restaurants)

- Vicinity of downtown has the greatest geographic density of venues

- Opportunities to place new Indian restaurant away from the 10 existing Indian restaurants may exist

- Next steps: stakeholders communicate further location preferences (e.g., in areas of greater or lower venue/restaurant density, parking availability for customers, crime data, prices of available facilities/real estate to house the restaurant and associated costs/renovation, etc.) to data scientist for further insight