



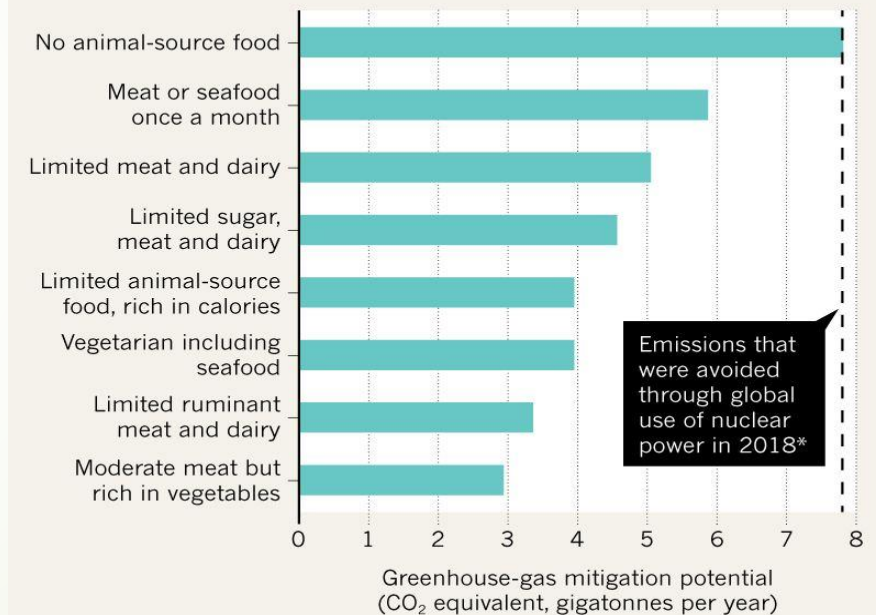
Opening Vegetarian/Vegan Restaurants in Toronto and New York

Problem

- Due to climate change we need to shift our nutrition to a plant based diet
- What potential do Toronto and New York have to open vegetarian/vegan restaurants and where should they be build?

WHAT IF PEOPLE ATE LESS MEAT?

The Intergovernmental Panel on Climate Change examined the estimated impact on greenhouse-gas emissions of the world's population adopting a variety of diets.



*Assumes nuclear power plants replaced fossil fuels; data from the World Nuclear Association.

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Data and Methodology



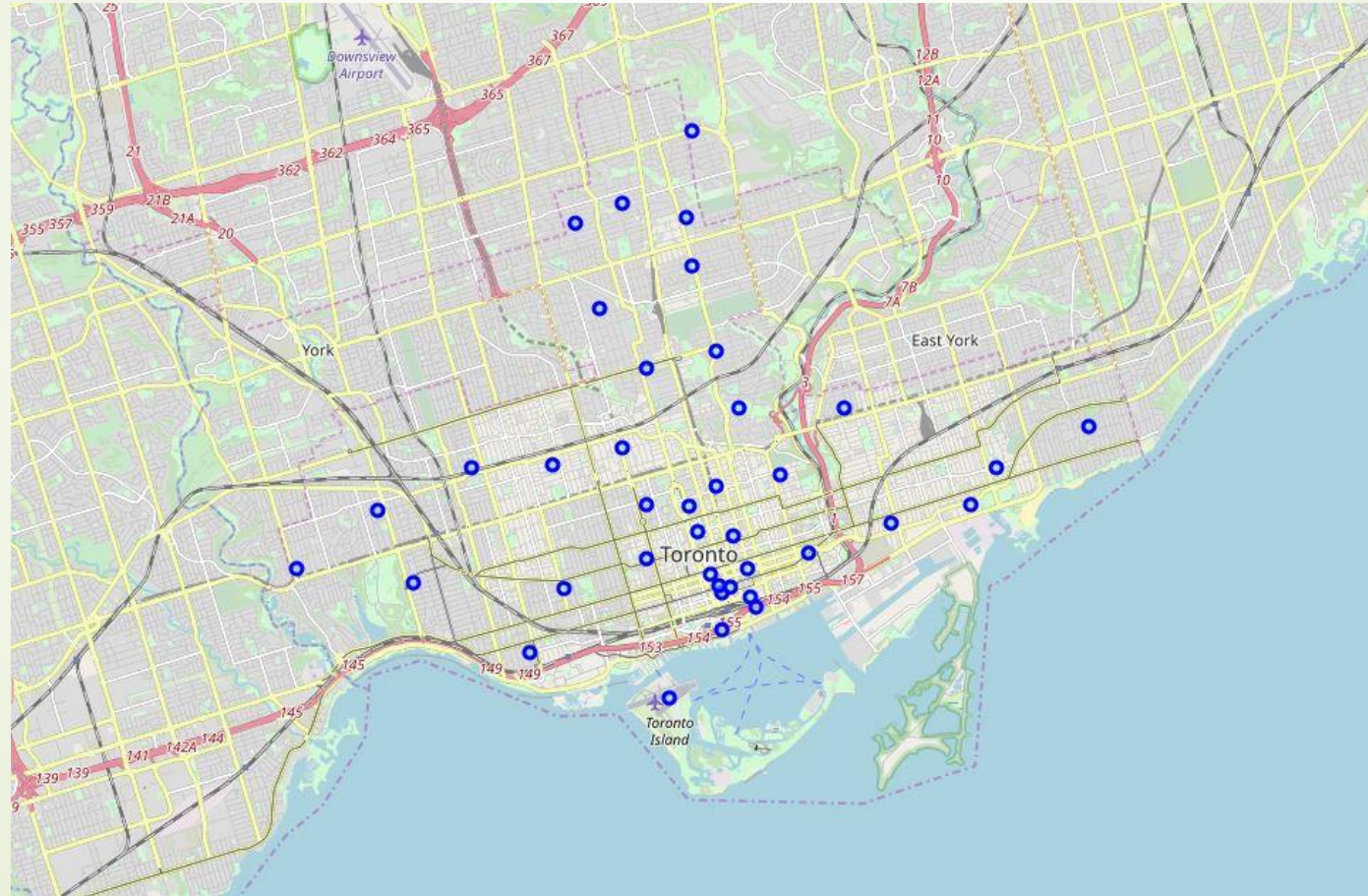
- Data:

- Toronto: https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M
- New York: <https://ibm.box.com/shared/static/fbpwbovar7lf8p5sgddm06cgipa2rxpe.json>
- Fourquare

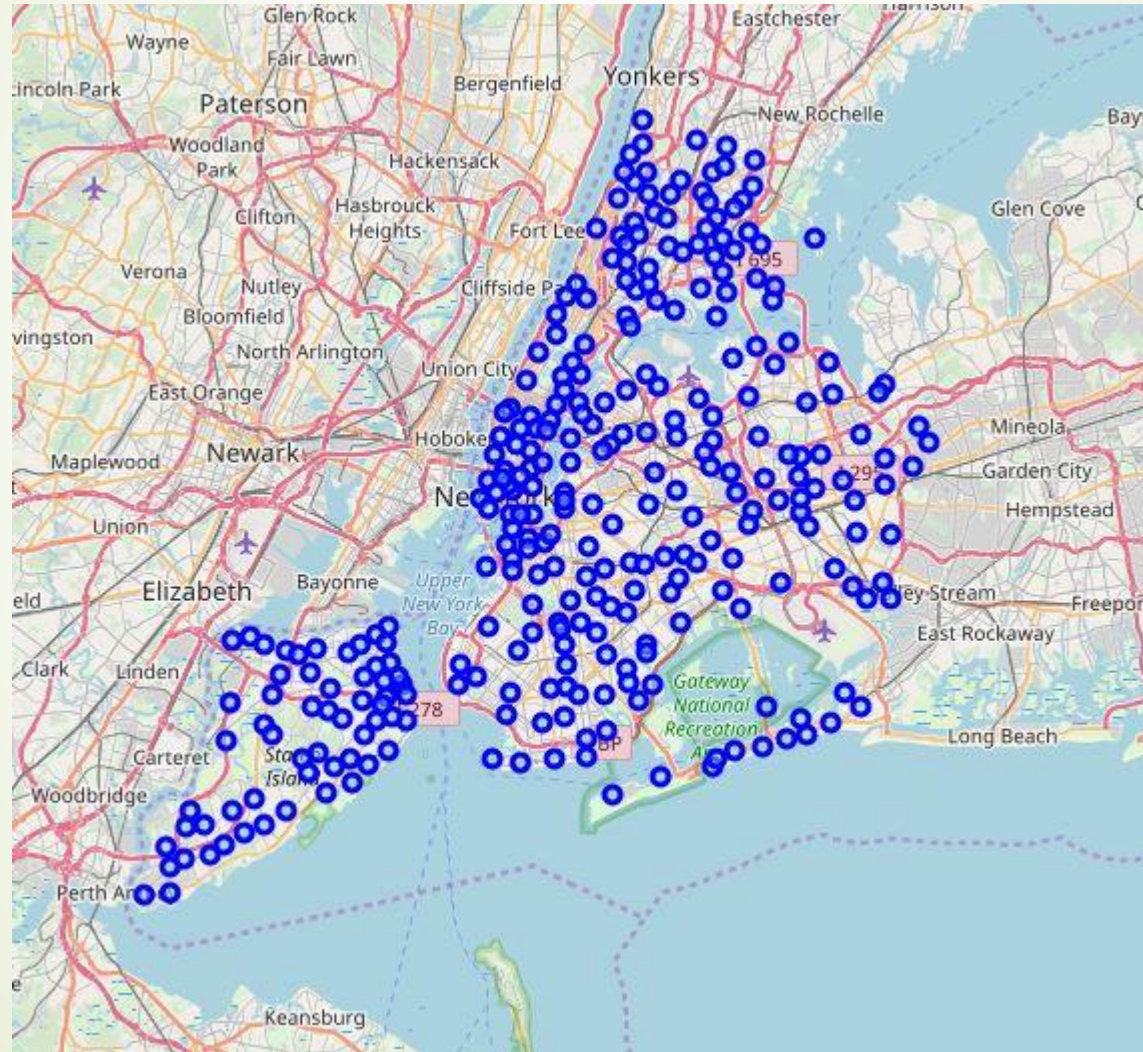
- Methodology:

- pandas
- folium
- json

Map of Toronto with its districts

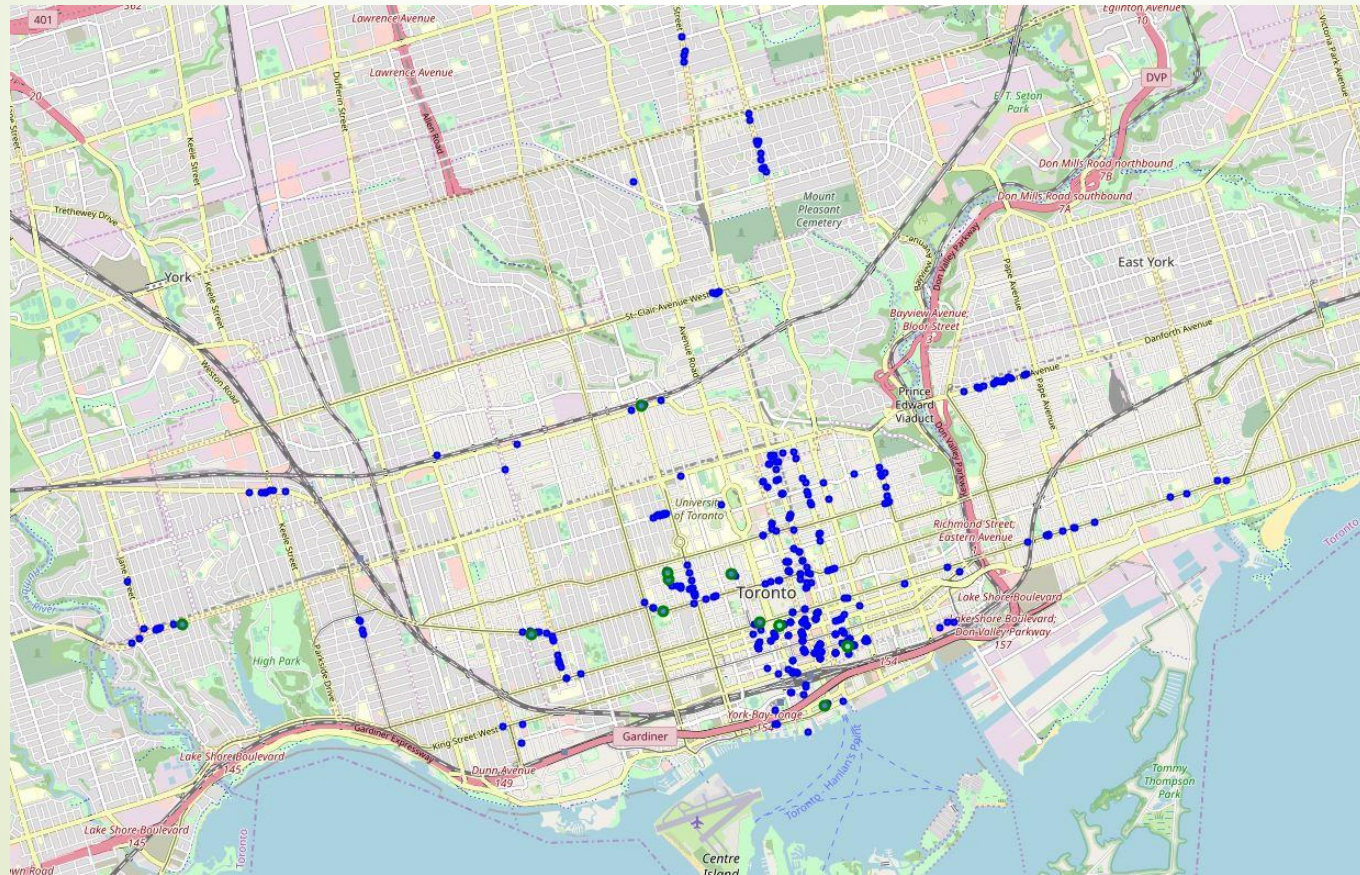


Map of New York with its districts



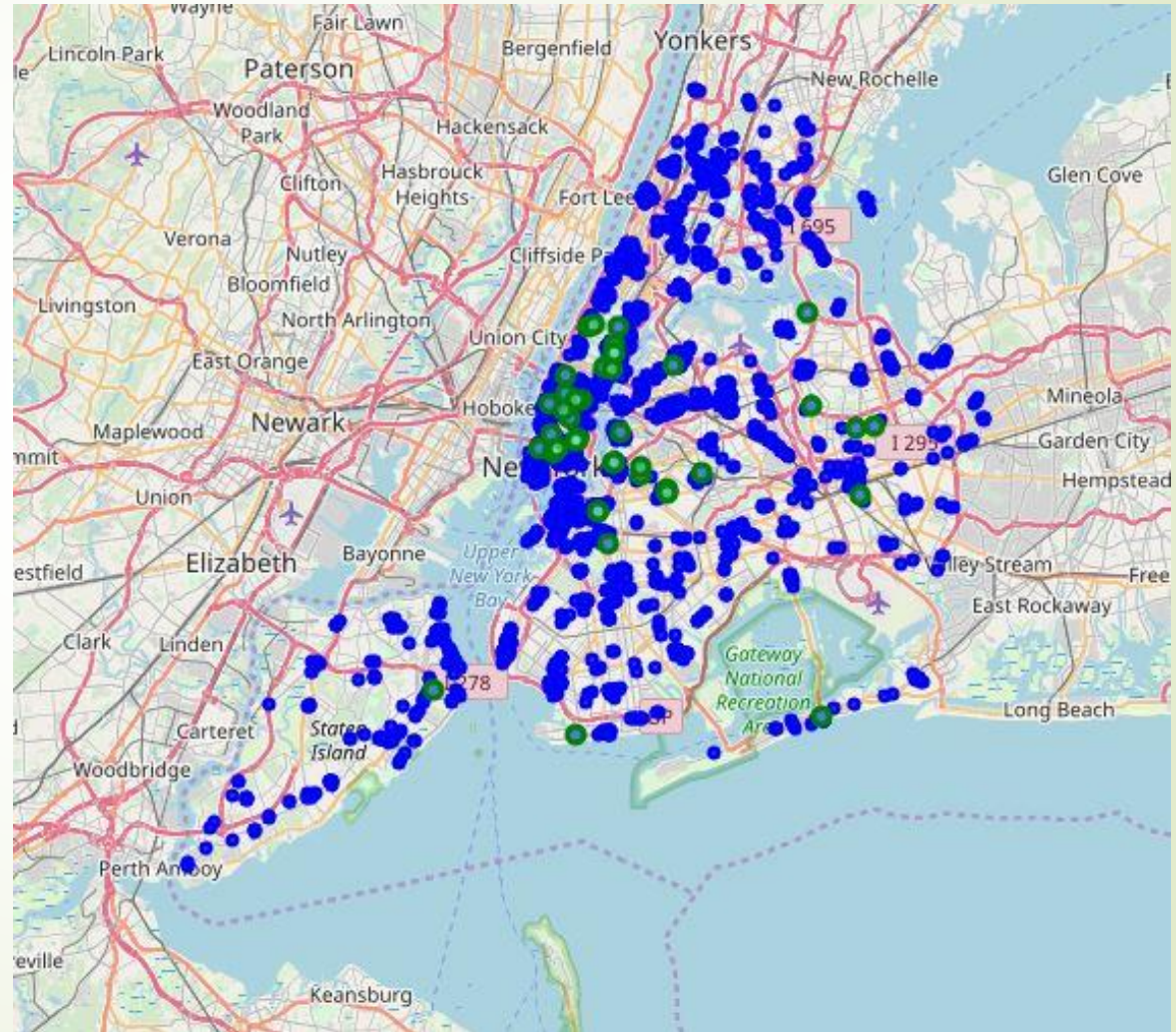
Restaurants of Toronto

- Blue: restaurant in general
- Green: only vegetarian/vegan restaurant



Restaurants of New York

- Blue: restaurant in general
- Green: only vegetarian/vegan restaurant





Key findings(1):

- In Toronto in less than a third of the neighbourhoods is a vegetarian/vegan restaurant.
- Toronto has 17 v. restaurants out of 401 total restaurants, which makes up 4.24%.
- New York has 43 v. restaurants out of 2568 total restaurants, which makes up 1.67%.
- Toronto has 0.03 v. restaurants per km² and 6.49 per million inhabitants.
- New York has 0.07 v. restaurants per km² and 16.41 per million inhabitants.



Key findings(2):

- ▶ Toronto has a higher percentage of v. restaurants than New York, which could be due to the fact that New York simply has more restaurants.
 - ▶ New York has a higher v. restaurant density than Toronto.
 - ▶ In Toronto v. restaurants are very concentrated and future restaurants should be more spread out.
 - ▶ In New York most of v. restaurants are located in Manhattan and few in the rest of New York.
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