10 Canadian Cities Top 10 Types of Ethnic Food Restaurants and Population Origins

A Data Analysis on The Food Scenery and Its Relation to Population Origins.

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Capstone Project for the IBM Data Science Professional Certificate

As it is known, and can be quantified by **data**, **population origins** and **food** have a strong **relation**. **Canada** has a wide variety in both and in restaurants as well.



But there is room for **more**...

By analysing data from **10** of Canada's biggest cities:

- 10 Cities;
- Top 10 Population Origins;
- Top 10 Most Common Restaurants;
- 2,581 Restaurants/Food Venues;
- 18,368,910 People Origins. (Canada 2016 Census)

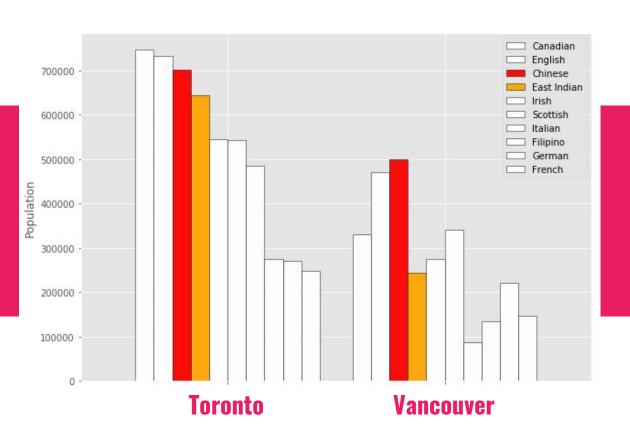
And using **Machine Learning** to **analyse** them in **similarity**, we found the following **insights**...

Toronto and Vancouver are the only cities in the same group in both Food Venues and Population Origin.

They are the **only cities** with:

- Chinese Origins in the top 3 (3rd and 1st respectively, the closest city is Calgary in 7th);
- East Indian Origins in the top 6
 (4th and 6th, the closest cities are 9th);
- Japanese restaurants in the top 2
 (2nd and 1st) and having both
 Japanese and Sushi restaurants in the top 4 (4th and 2nd).

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That is:

Chinese Origins:

- **700,705** In **Toronto** (**11.95**%)
- 499,175 In Vancouver (20.57%)

East Indian Origins:

- 643,370 In Toronto (10.97%)
- 243,140 In Vancouver (10.02%)

Toronto

2nd most population with Chinese origins (3rd biggest population)

1st in East Indian origins (4th biggest population)

And a big taste for Asian food...

However, Chinese and Indian restaurants do not appear on the top

10 most common in Toronto.

A great market for new Chinese or Indian restaurants.

Calgary, Edmonton and Winnipeg

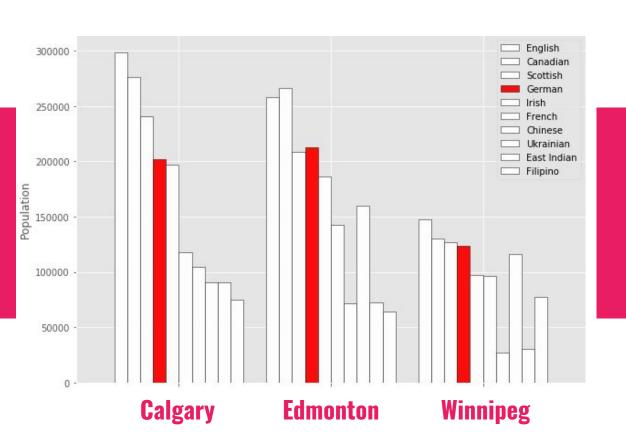
are in the same group in both Origins and Restaurants

They have:

 A wide variety of restaurant types in their top 10s;

 German origins in the top 4 (4th, 3rd, 4th).

POWERED BY FOURSQUARE



That is:

201,650 in Calgary (14,67%)
213,115 In Edmonton (16.43%)
123,970 In Winnipeg (16,28%)

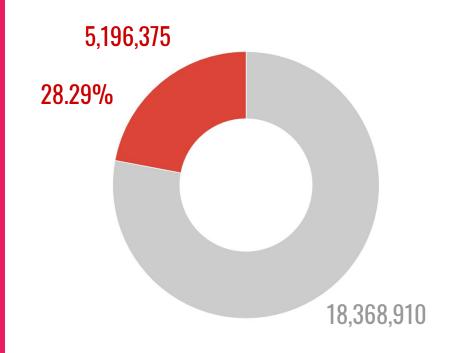
Although Calgary, Edmonton and Winnipeg all have German origins in the top 4 population origins, they have no German restaurants in the top 10 prevalent restaurants.

Great places for German Restaurant Business.

A Big Asian Food Scenery:

- Different Asian Origins appear 15 times in the Origins top 10s;
- All cities have Asian food on their top 10s;
- Asian venues appear 38 times in the top 10s (in a 100 total).

From the 10 cities population 28.29% have an **Asian Origin**



Therefore, a strong influence of Asian cuisine in Canada, propelled by the increased immigration from those countries, results in...

A good market for various styles of asian food in those cities.

As the **data** shows, **people origins** in cities have a **strong impact** on the **dominant** and **preferred** types of **restaurants** and **food** venues in them.

Consequently, it is a **great indicator** for **food business opportunities**.

Thank You