



# Resturants in Haute-Savoie

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# Introduction

- Haute-savoie, region in ALps of eastern France
- Famous for
  - ski resorts in Mont Blanc range
  - Restaurants
  - Historical places



# Problem Statement:

- Idea of this study is to help stake holder to
  - Open new restaurant in haute savoie
- In order to choose right location we gather data of all communes of Haute-savoie

The idea of this study is to help people planning to open a new restaurant in Haute-Savoie. It is the province of France. This region has developed metropolitans. In order to choose the right location by providing data about the income and

# Cont..

- Data consist of
  - Population-- <https://www.insee.fr/fr/statistiques/3689656#consulter>
  - Income -- <https://www.impots.gouv.fr/portail/statistiques>



# Methodology:

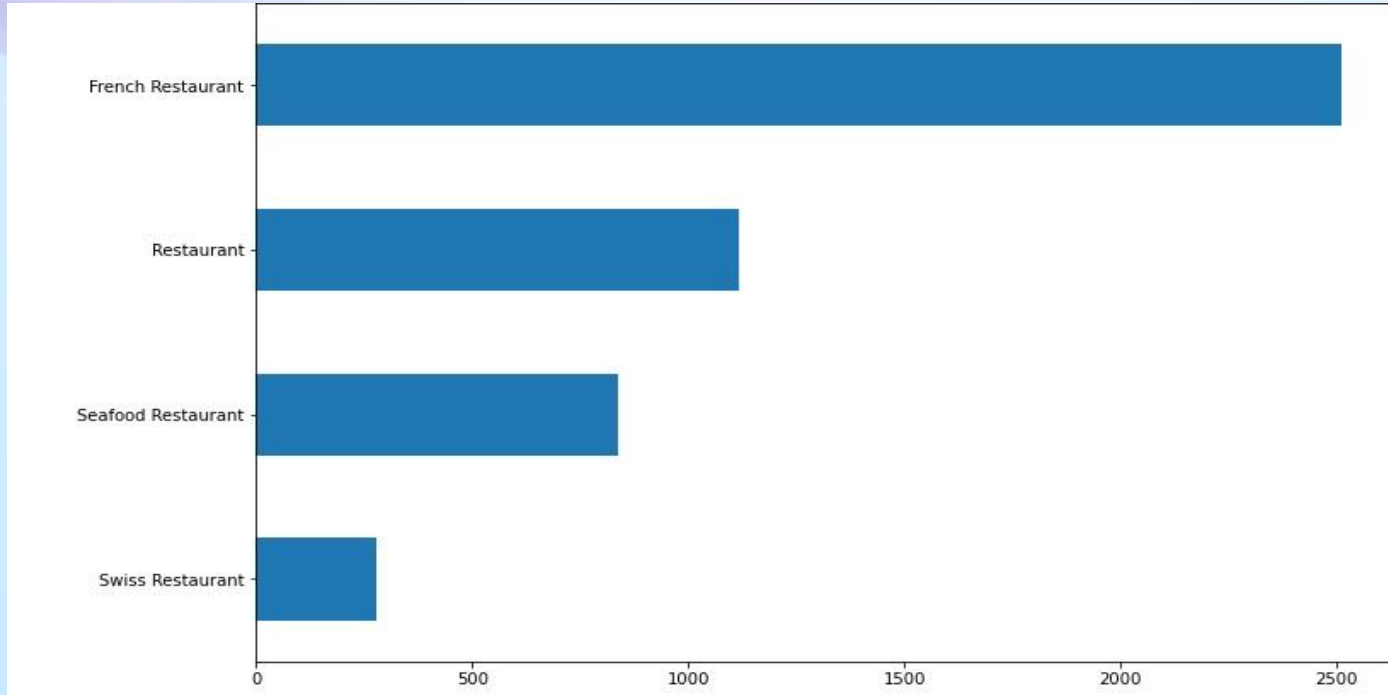
- Get Coordinates:
  - By using google cloud API
  - Geolocation --latitude and longitude
- FourSquare API
  - Venues
    - Category
    - information



# Cont..

	Code	Commune	Population	Income	lat	lon	CategoryFood	FoodInformation
0	74001	Abondance	1408	3797589	46.280661	6.719857	{'meta': {'code': 200, 'requestId': '5fde346ee...}}	{'Name': ['Hôtel-Restaurant du Port Yvoire', '...']}
1	74002	Alby-sur-Chéran	2580	3070608	45.819054	6.020555	{'meta': {'code': 200, 'requestId': '5fde346f9...}}	{'Name': ['Hôtel-Restaurant du Port Yvoire', '...']}
2	74003	Alex	1052	1363040	45.888900	6.237960	{'meta': {'code': 200, 'requestId': '5fde346fd...}}	{'Name': ['Hôtel-Restaurant du Port Yvoire', '...']}
3	74004	Allèves	409	403747	45.751970	6.080210	{'meta': {'code': 200, 'requestId': '5fde346fa...}}	{'Name': ['Hôtel-Restaurant du Port Yvoire', '...']}
4	74005	Allinges	4433	5816560	46.336782	6.464975	{'meta': {'code': 200, 'requestId': '5fde346f7...}}	{'Name': ['Hôtel-Restaurant du Port Yvoire', '...']}

# Display Information



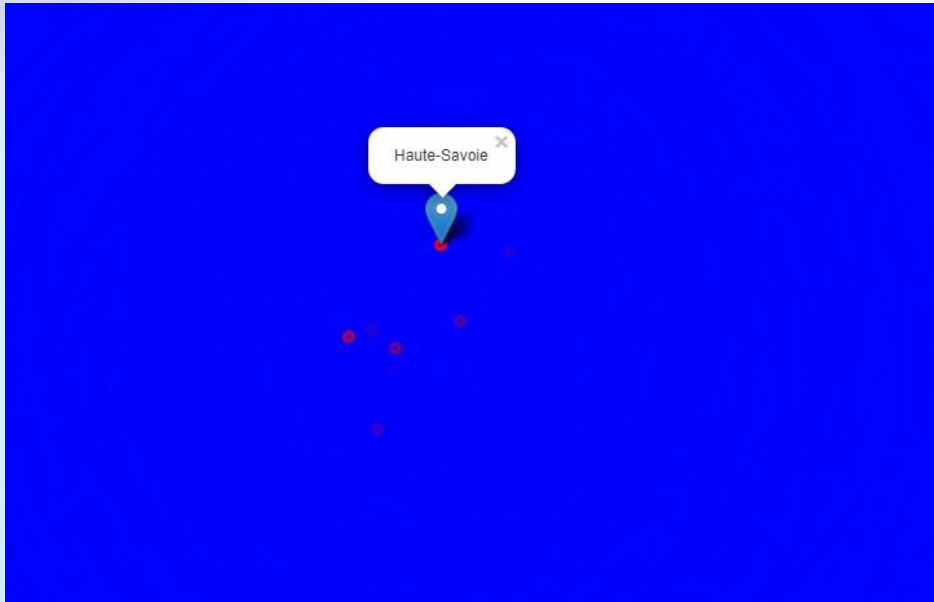


# Cont..

- French Restaurants
  - All french food
- Restaurants
  - Asian food



# Map-AllRestaurants



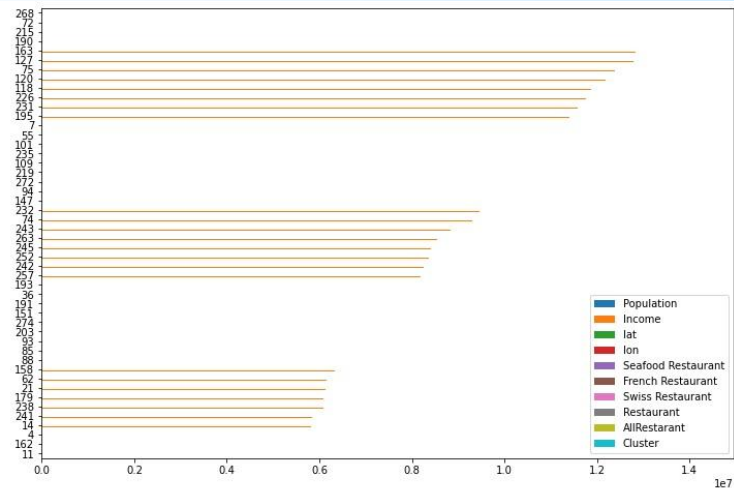


# Cluster

- We use k-mean clustering
  - The top restaurants are
    - French
    - Asian
- According to income of population of particular commune are shown in fig

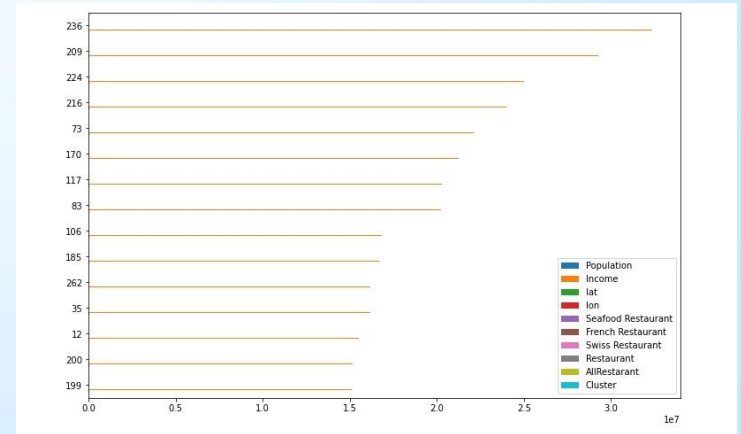
# Cluster-1

- Index of commune
- This is the fig of
  - Cluster-1



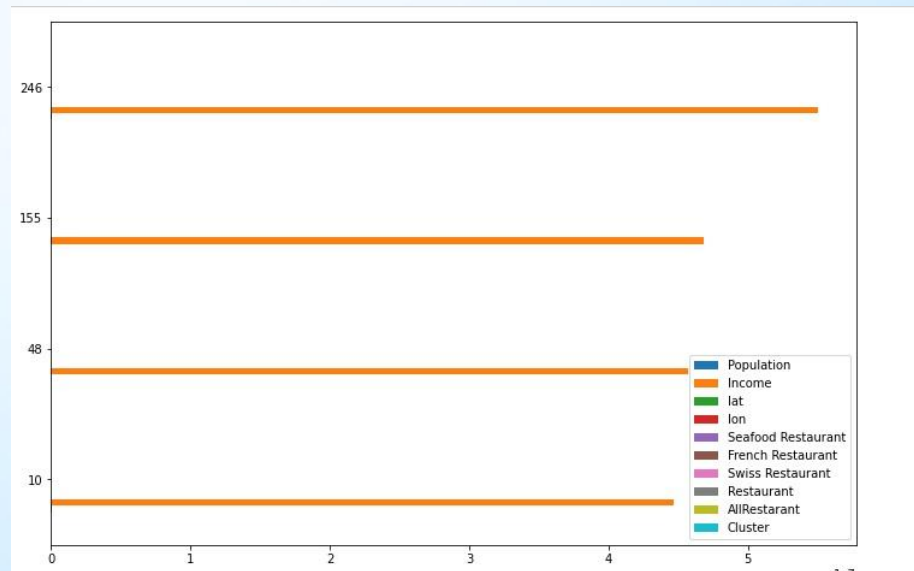
# Cluster-2

- Cluster-2
  - income of commune



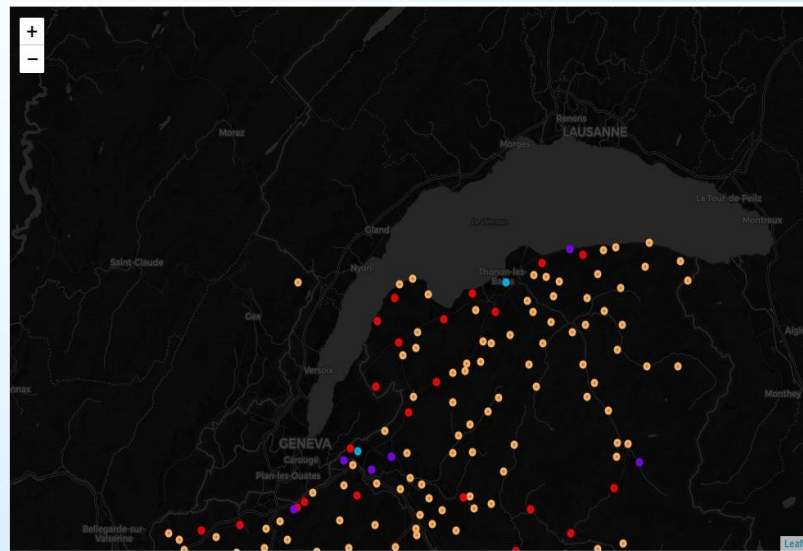
# Cluster-3

- Cluster-3



# Result

- Our findings are
  - Commune close to border







# Findings

- Commune near the geneva border
  - have high income salaries
- Geo-location of all communes like annemasse ,meussey etc
  - Are the best location to open restuarnts
    - French , swiss or asian food resturants