# The character of Italian cities
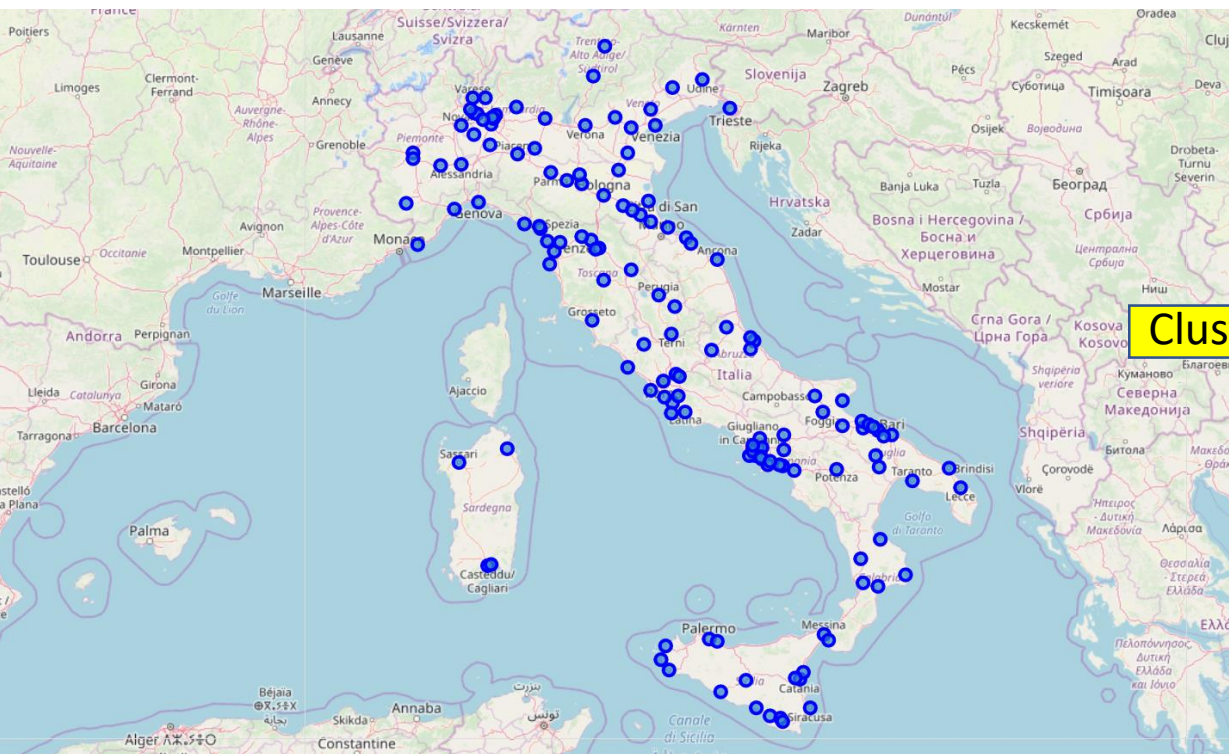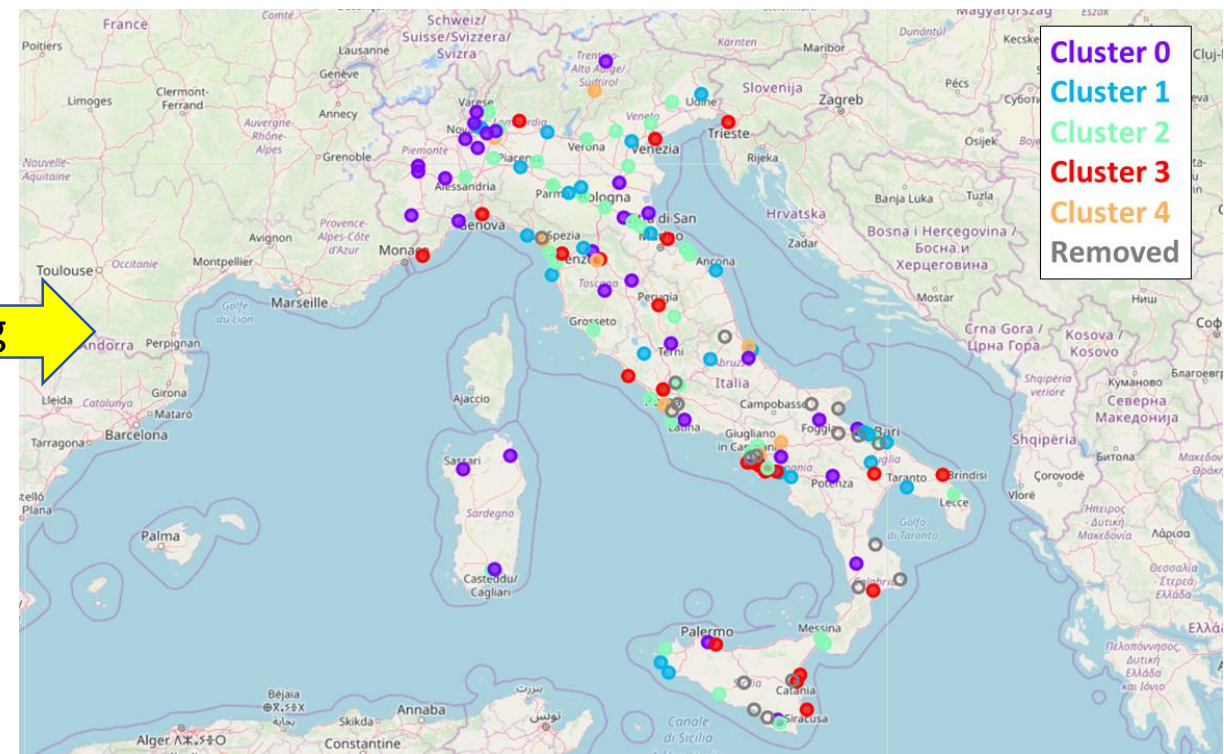
- List of Italian cities from Wikipedia.

- Location of cities from geopy Nominatim.

- Recommended venues from Foursquare.

- K-means clustering on the distribution of the venue root categories[1].

[1]In Foursquare there are 10 root categories grouping all the other categories.

- Cluster 0 (36 cities)    Outdoors & Recreation.
- Cluster 1 (32 cities)    Shops & Services.
- Cluster 2 (26 cities)    Nightlife.
- Cluster 3 (25 cities).   Food.
- Cluster 4 (8 cities).    More Shops & Services.
- Removed (19 cities)      Not enough statistics.