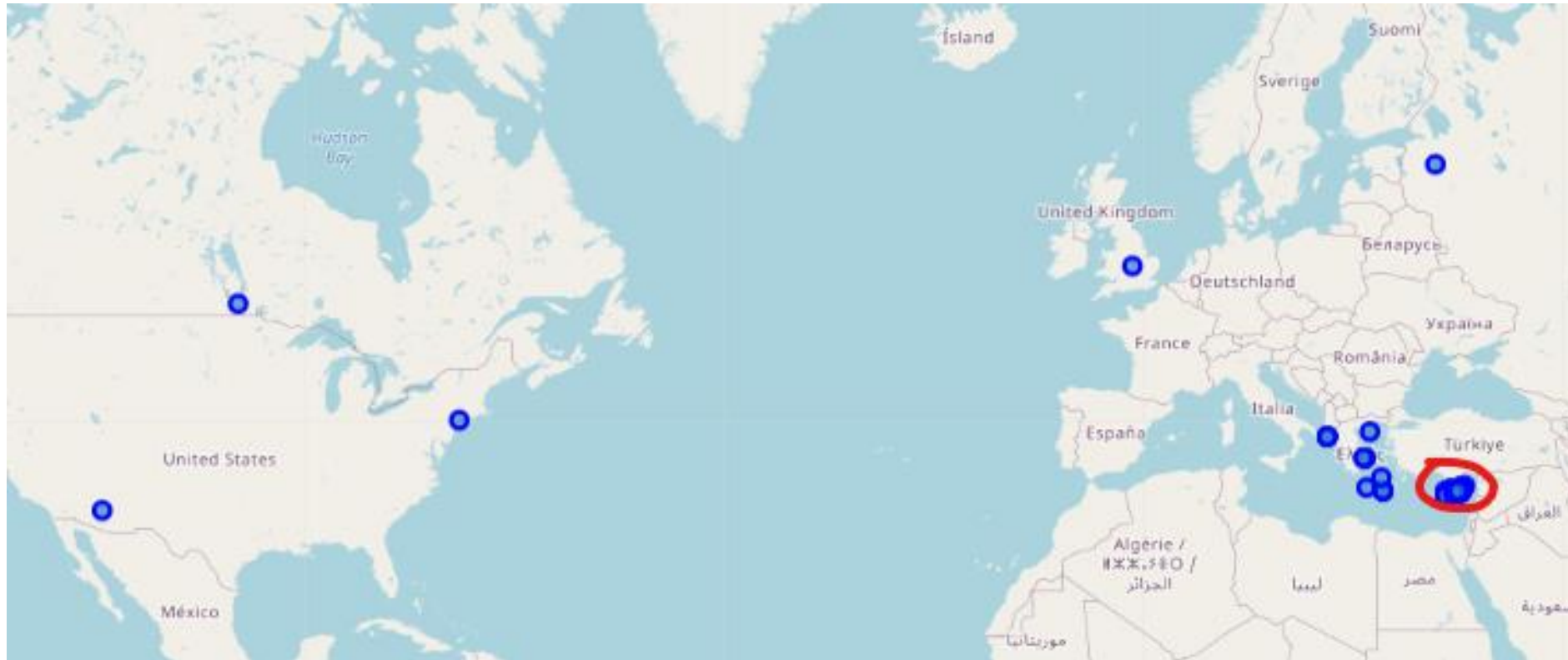


Analysis of Cypriot venues

Acquiring geolocation data and discovering the frequency of venues in different areas of Cyprus using Python

Visualization of data acquired through the post office



Visualization of outliers



Methods to remove null values and outliers

- Removal of any area with '0' longitude and latitude
- Summary statistics
 - Median and standard deviation
- Histograms of Longitude and Latitude
- Visualization of world map using Folium

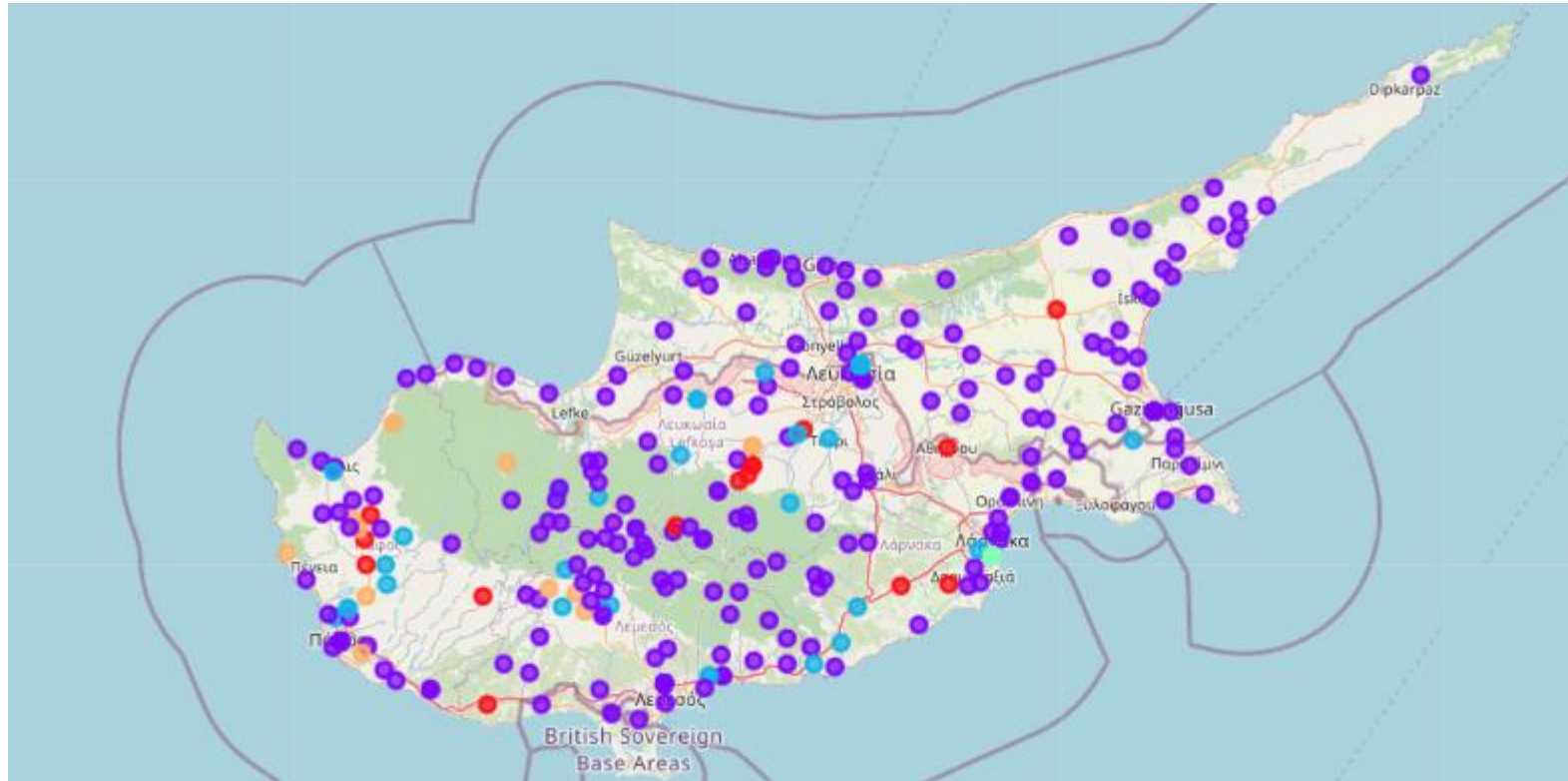
Observations

- Total amount of observations:
 - 729
- Null observations
 - 62
- Outliers
 - 9
- Clean data to be used
 - 657

Venues data

- 657 areas
- 2290 venues
- 244 unique categories

Cluster visualization



- Cluster 1: Red
- Cluster 2: Purple
- Cluster 3: Teal
- Cluster 4: Light Green/Blue
- Cluster 5: Yellow

Cluster details

Clusters	Area and frequency
1	Café: 11
2	Coffee shop: 37/ Leather goods store: 29 / Sports club: 29 / Mountain: 14
3	Kafenio: 56
4	Beer Store: 15
5	Greek restaurant: 17

Limitations and recommendations

Variables not considered that could provide further information:

- Rent cost
- Consumer expenditure
- Venue rating and review
- Income of residents

Conclusion

- Venues that sell coffee are very popular in Cyprus
 - Their location is ideal in tourist, rural and urban areas
 - Kafeneio, a venue that sells traditional Cypriot coffee appears mostly in urban areas
 - Caffè, a venue selling international coffee, appears in tourist areas
- Greek restaurants can be also considered popular in Cyprus, located mostly in rural areas and Paphos.