

GeoMaps of TV Series

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Purpose And Summary

The purpose of this project was to develop maps that showed the various filming locations of several television shows, while statistically modeling the data used regarding these television shows.

For example: most locations used by a series, addresses most used, countries most filmed in, etc.

The data is shown through Word Clouds and Bar Graphs.

The maps themselves that are displayed in this presentation range in specificity.

TV series	Location Name	Address	Area/Region	Country	Latitude	Longitude
american-horror-	Ally and Ivy's Ho	1550, North Orar	West Hollywood	United States of America	34.098999	-118.360298
american-horror-	Buckner Mansior	Buckner Mansior	New Orleans	United States of America	29.931902	-90.079163
american-horror-	Cecil Hotel	Stay on Main, 64	Los Angeles	United States of America	34.044327	-118.250839
american-horror-	Community Cour	973, North Main	Orange County	United States of America	33.753063	-117.867531
american-horror-	Fawnskin	Captain John's F	Fawnskin	United States of America	34.266979	-116.941811
american-horror-	Hidden Valley	Staber Road, Ca	Thousand Oaks	United States of America	34.137291	-118.93541
american-horror-	James Oviatt Bu	James Oviatt Bu	Los Angeles	United States of America	34.047684	-118.254845
american-horror-	Longue Vue Hou	9, Garden Lane,	New Orleans	United States of America	29.977083	-90.122864
american-horror-	Los Angeles	Historic Core Dis	Los Angeles	United States of America	34.052235	-118.243683
american-horror-	New Orleans	341, Carondelet	New Orleans	United States of America	29.951065	-90.071533
american-horror-	Oakhurst	Cinder Lane, Yos	Oakhurst	United States of America	37.327972	-119.650742
american-horror-	Paramount Studi	Paramount Studi	Hollywood	United States of America	34.085869	-118.31916
american-horror-	Rosenheim Mans	1126, Westchest	Los Angeles	United States of America	34.050114	-118.317245
american-horror-	Santa Ana Court	Old Orange Cour	Santa Ana	United States of America	33.750252	-117.86937
american-horror-	The LaLaurie Ma	1140, Royal Stre	New Orleans	United States of America	29.961761	-90.061165
american-horror-	The Orpheum Th	9th & Broadway	Los Angeles	United States of America	34.042519	-118.255692
american-horror-	YMCA	YMCA, Lennox A	Van Nuys	United States of America	34.196617	-118.446251
vikings	Ballyhenry Studi	Ashford Studios, Wicklow	Ireland	Ireland	53.021114	-6.105324
vikings	Prince	Prince Township, Sault Ste. Marie	Canada	Canada	46.569942	-84.512939
vikings	Searchmont	Unorganized Nor	Wabos	Canada	46.779232	-84.053635
dracula	Banská Štiavnica	Slovenská sporite	Banská Štiavnica	Slovakia	48.458649	18.89304
dracula	Bray Studios	Bray Studios, Wil	Windsor	United Kingdom	51.491226	-0.67681
dracula	Orava Castle (Or	Thurzov palác, N	Oravský Podzám	Slovakia	49.26181	19.358603
dracula	Zuberec	svätého Vendelír	Zuberec	Slovakia	49.258751	19.612801
after-life	65 Flask Walk	Murray Terrace, H	Hampstead	United Kingdom	51.557743	-0.176006
after-life	Beaconsfield Old	Beaconsfield Old	Beaconsfield	United Kingdom	51.600548	-0.635941
after-life	Camber Sands	Old Lydd Road, C	Camber	United Kingdom	50.932564	0.795291
after-life	Hive Coffee Shop	Coffee Cup, High	Hemel Hempstea	United Kingdom	51.758377	-0.471877
after-life	Jordans Antique	St Marys Close, I	Hemel Hempstea	United Kingdom	51.759644	-0.472285

How Was The Data Collected?

The data was collected by using a csv file that contained the name of the show, the addresses that it used to film, the official location name, and the latitudes and longitudes of those addresses. I added in the Area/Regions and the specific countries were added in later. To the right is a picture of what the csv file layout looked like.

Description of Statistics

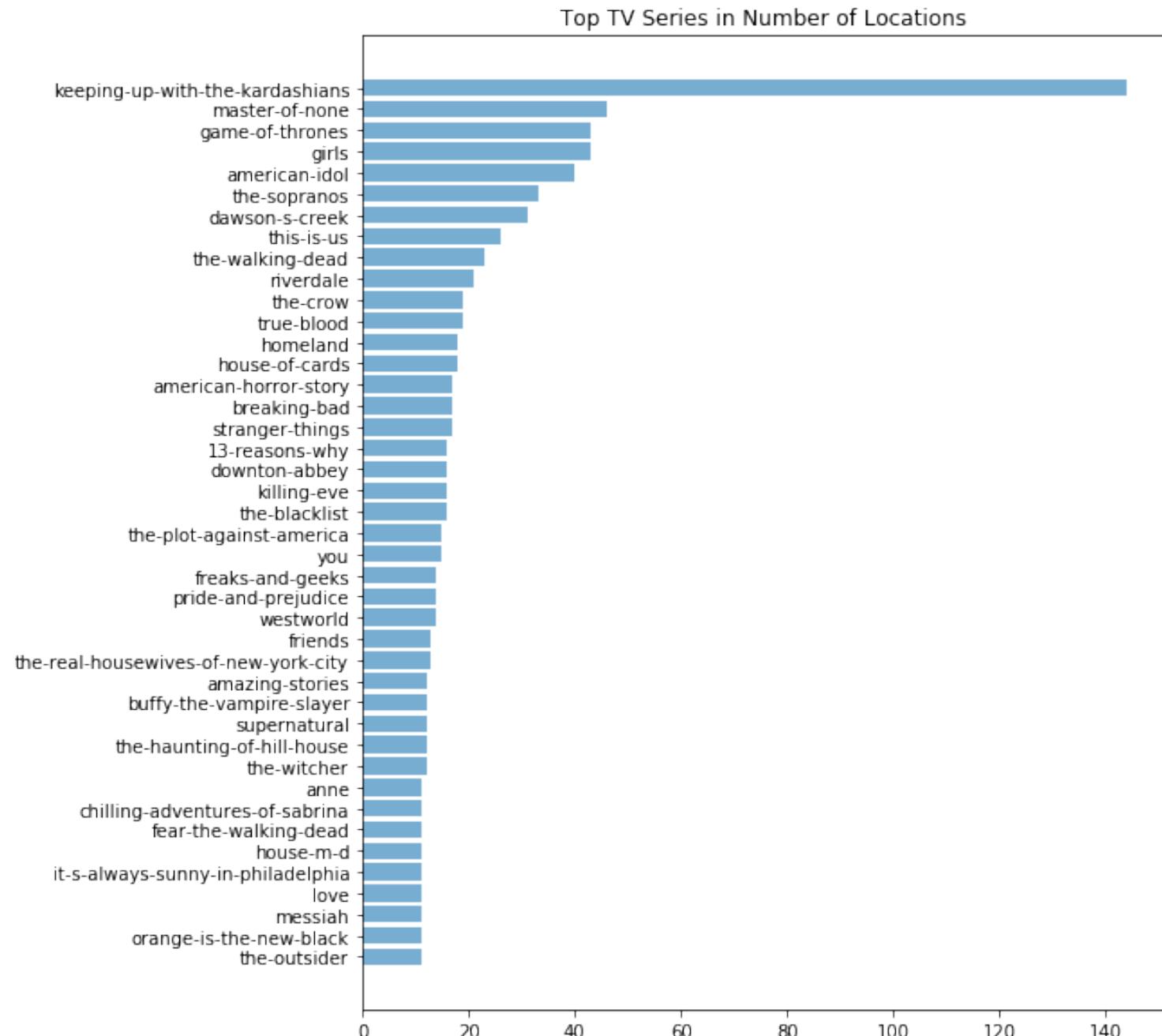
The Accumulation of Bar Plots and WordClouds

Bar Plots and Word Clouds of the Data

In my project, the data was collected in graphs called bar plots, also known as bar graphs. There are five total bar plots, and each has a word cloud measuring the frequency of the variables of the y axis of the bar plots by producing them in different sizes, with the more frequent y variables being larger.

The bar plots themselves measure size numerically on the graph, with each bar of a y variable extending to its exact numerical position on the x axis.

TV Series That Use The Most Locations

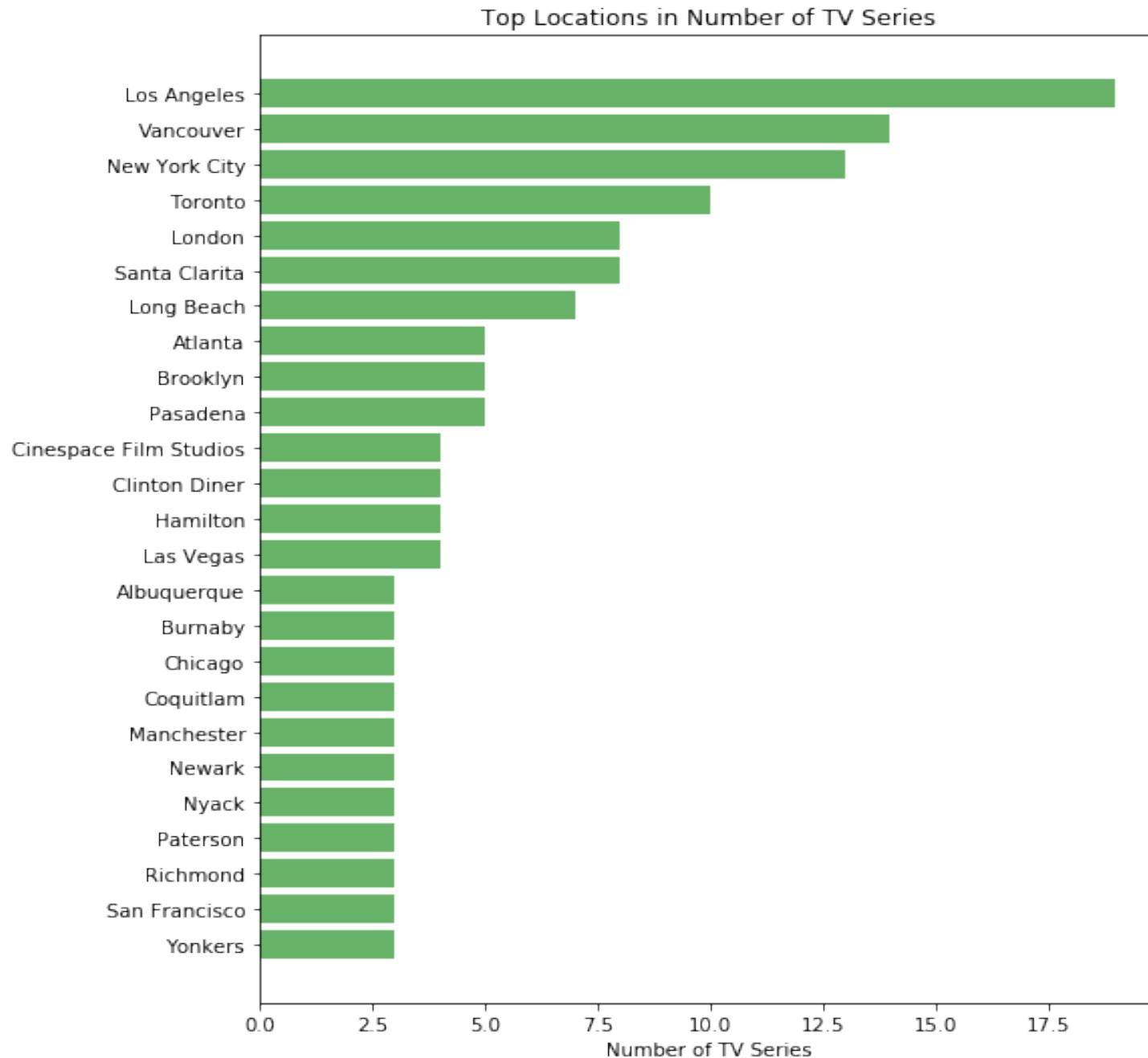


Wordcloud of TV Series in Number of Locations



Top Locations Used in TV Series

Not to be confused with Regions!
Locations are the exact names
displayed as titles of some of the
addresses used in filming!

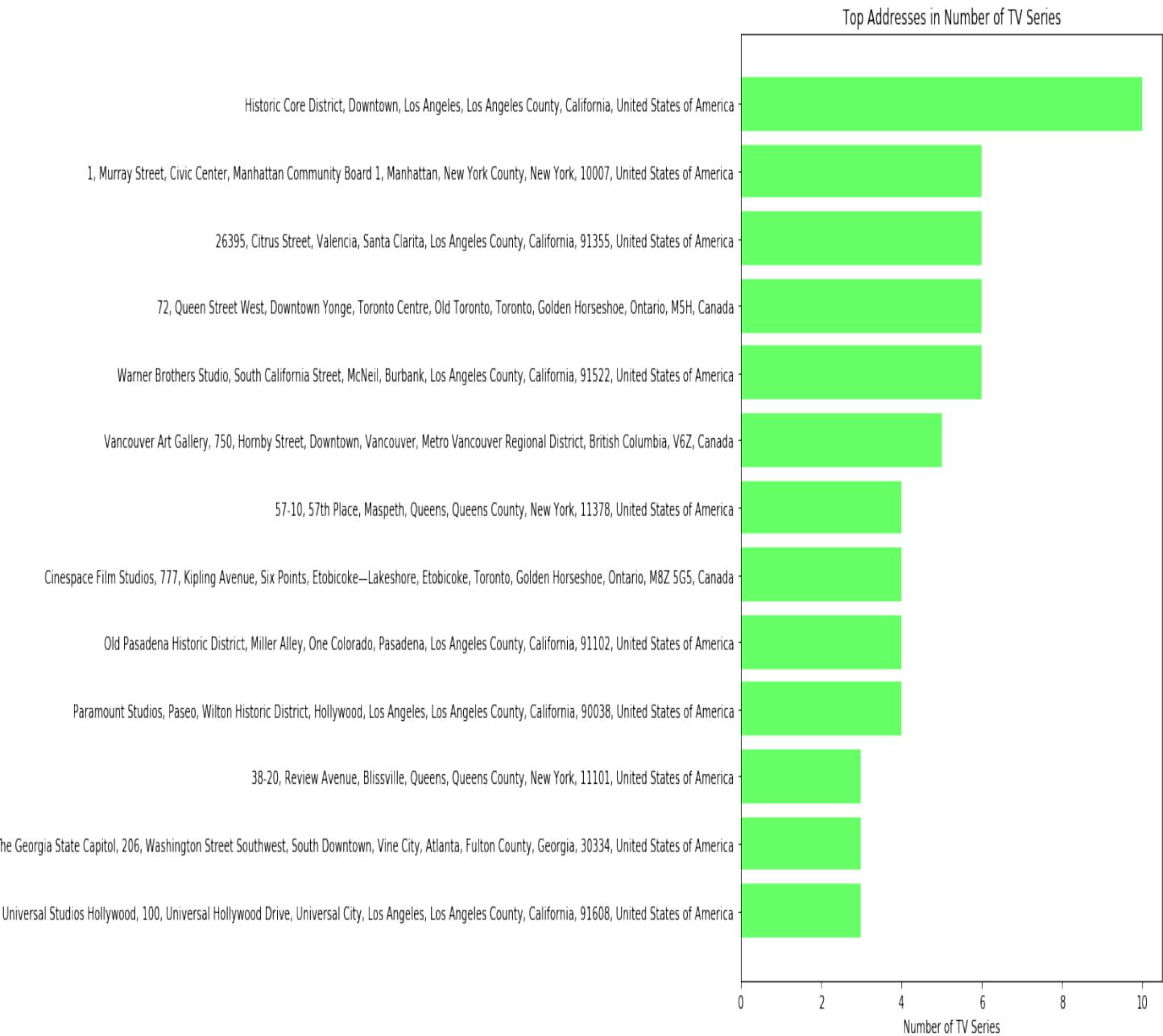


Wordcloud of Locations in Number of TV Series

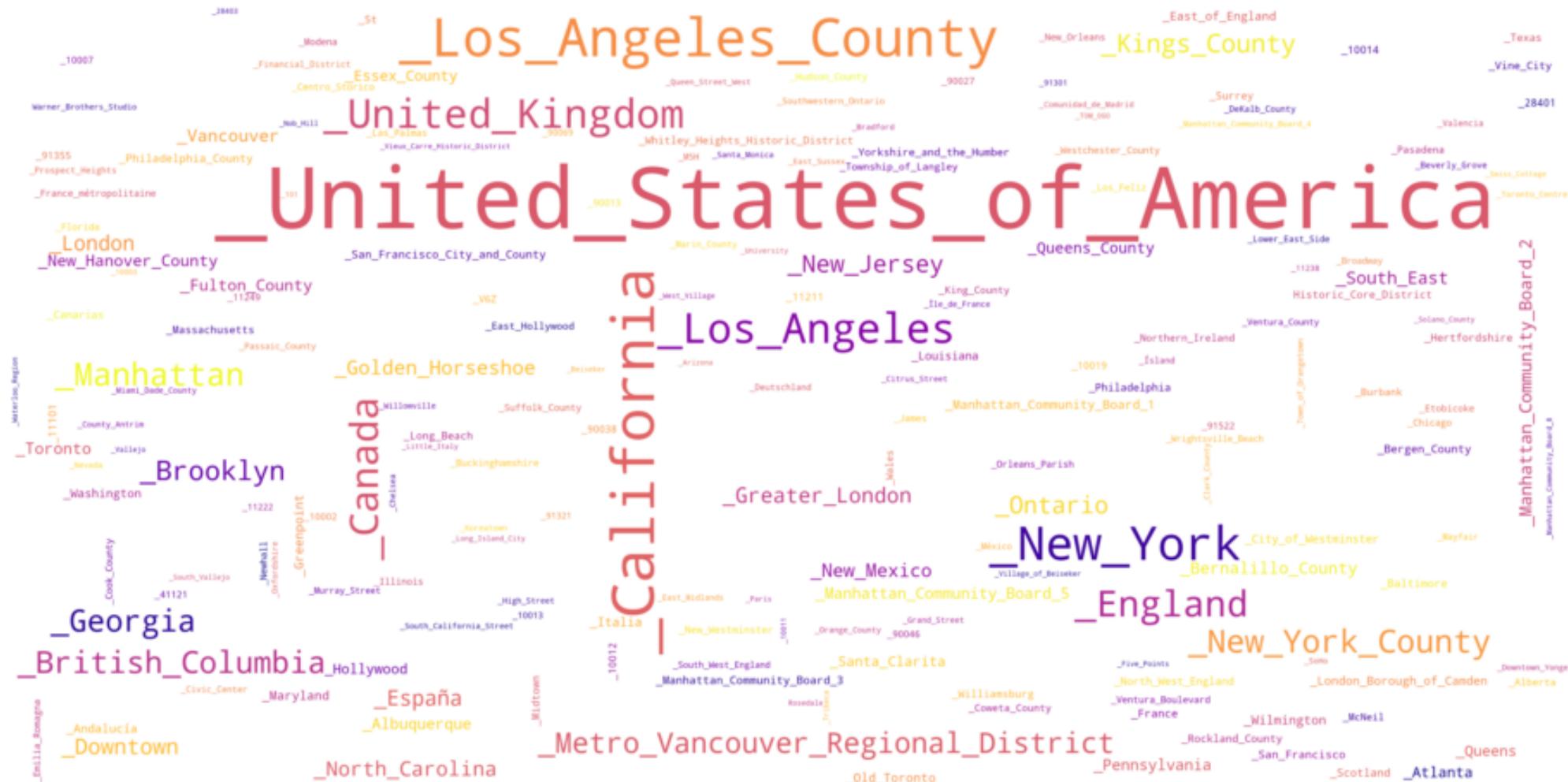


Top Addresses Used in TV Series

A more specified version. These exact addresses have been used several times by different T.V. Series.

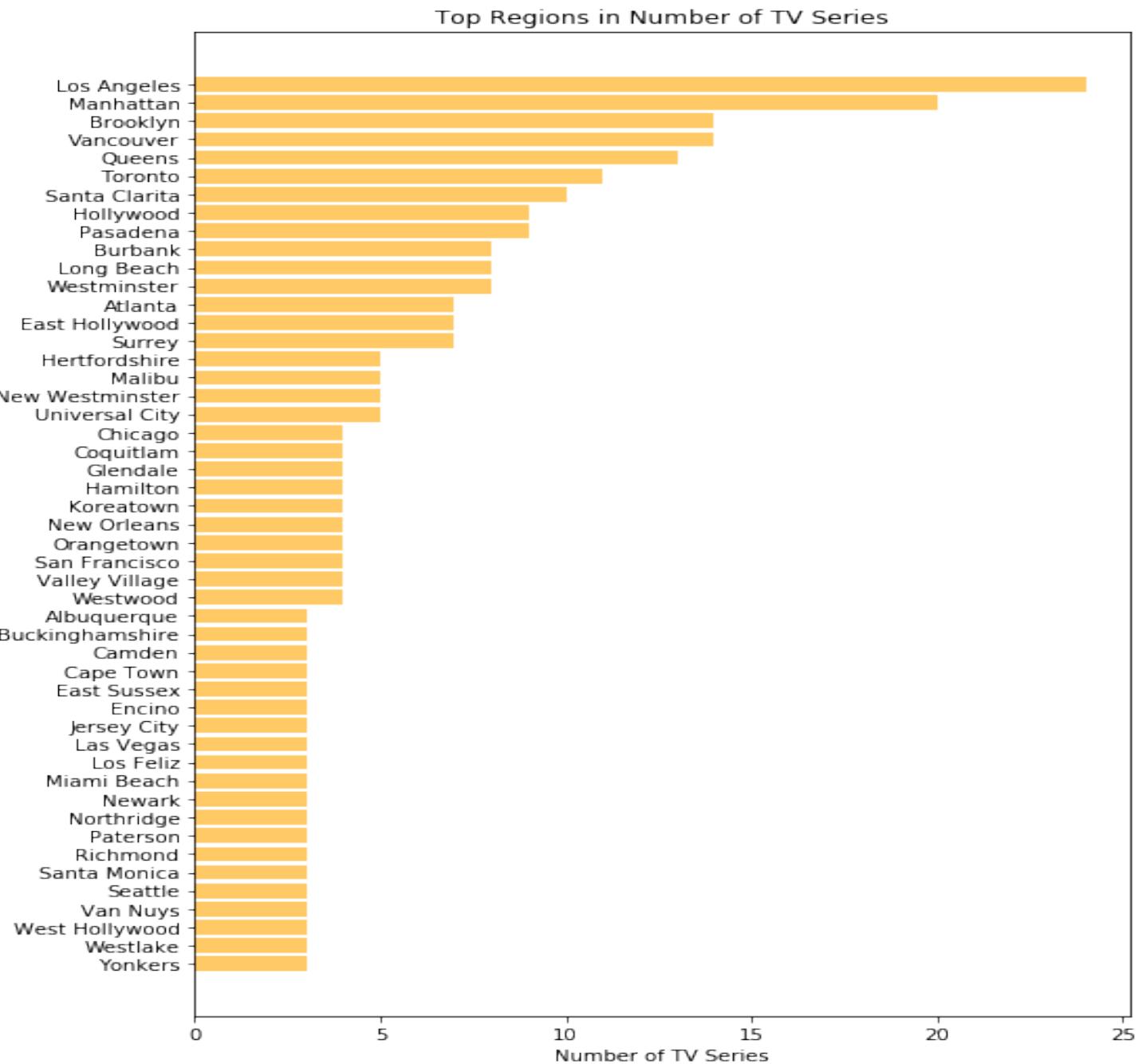


Wordcloud of Addresses in Number of TV Series



Top Regions Used in TV Series

This is the work that I did on the CSV File. Notice That many of these regions are subregions of large counties such as Los Angeles, or burrows of New York City, or areas in different parts of London.

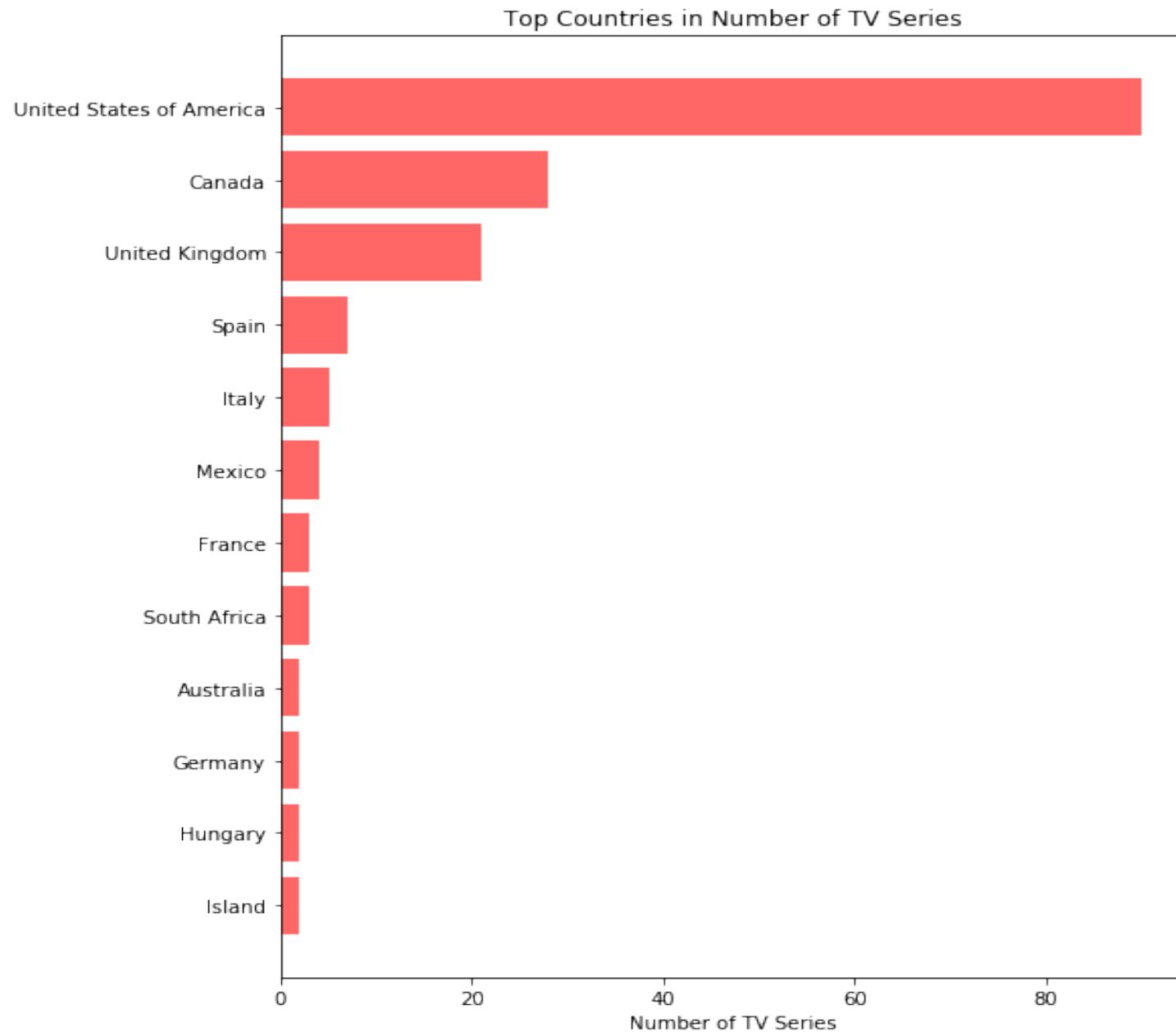


Wordcloud of Regions in Number of TV Series

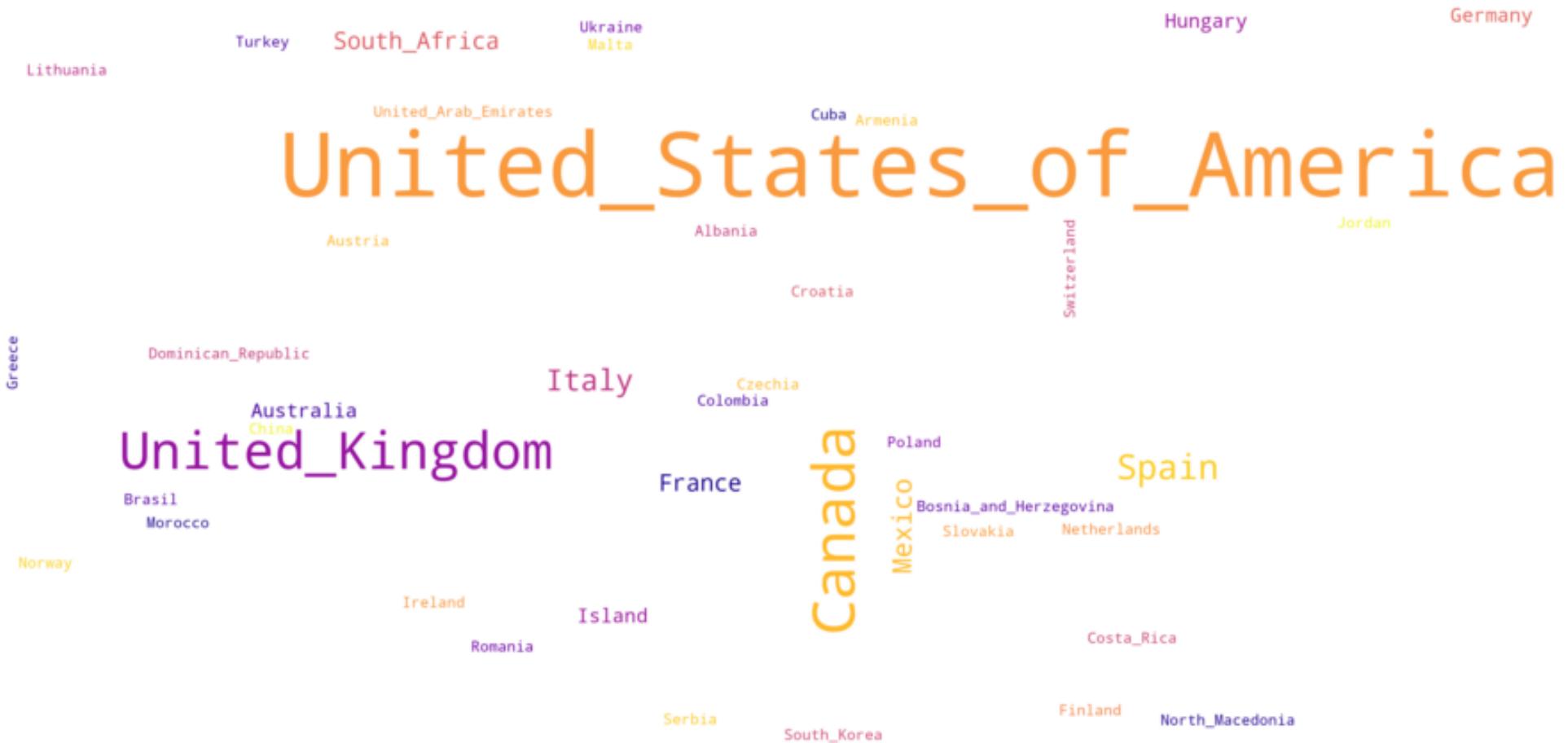


Countries Most Used In TV Series

This graph encompasses every address, location, and region, and sorts it into the country it belongs in. It is much less specific in comparison to the more detailed graphs but it provides a broader and easier viewpoint for lesser known regions of filming.



Wordcloud of Countries in Number of TV Series



The Top Findings

Show with most locations: Keeping Up With The Kardashians

Location with Most TV Series Filmed There: Los Angeles

Address with Most TV Series Filmed There: Historic Core District, Downtown, LA, CA, USA

Top Region: Los Angeles (Downtown, Central Area)

Top Country: United States of America

How Do We See Exact Numbers?

How Do We See Where All These Places Are?

GeoMaps

Clustered and Circled Maps

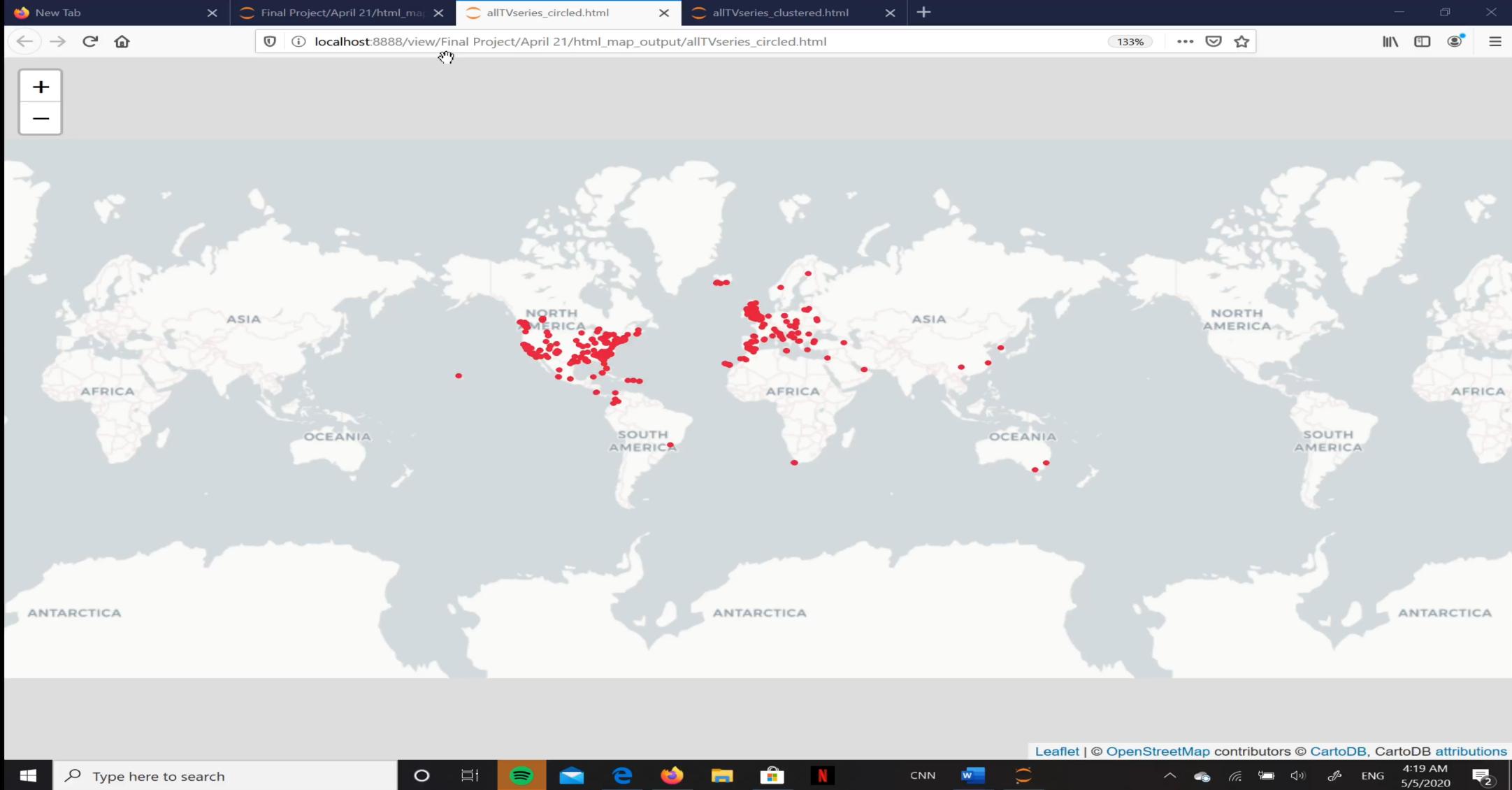
Types

The two different kinds of maps used were:

1. Maps that, on the surface level, show every filming location for every show.
2. Maps that clustered locations based on locations in numbers that would change based on how far you zoomed in.

What will be presented:

1. These two maps in relation to the top four television shows (in order of most filming locations used)
2. These two maps in relation to the top five countries with the most locations used for filming.



A Brief Demonstration of the Circled and Clustered Maps

Without Any Specifications



Keeping Up With The Kardashians

Clustered

Numbers Indicate Numbers of total locations where the show was filmed in the displayed areas



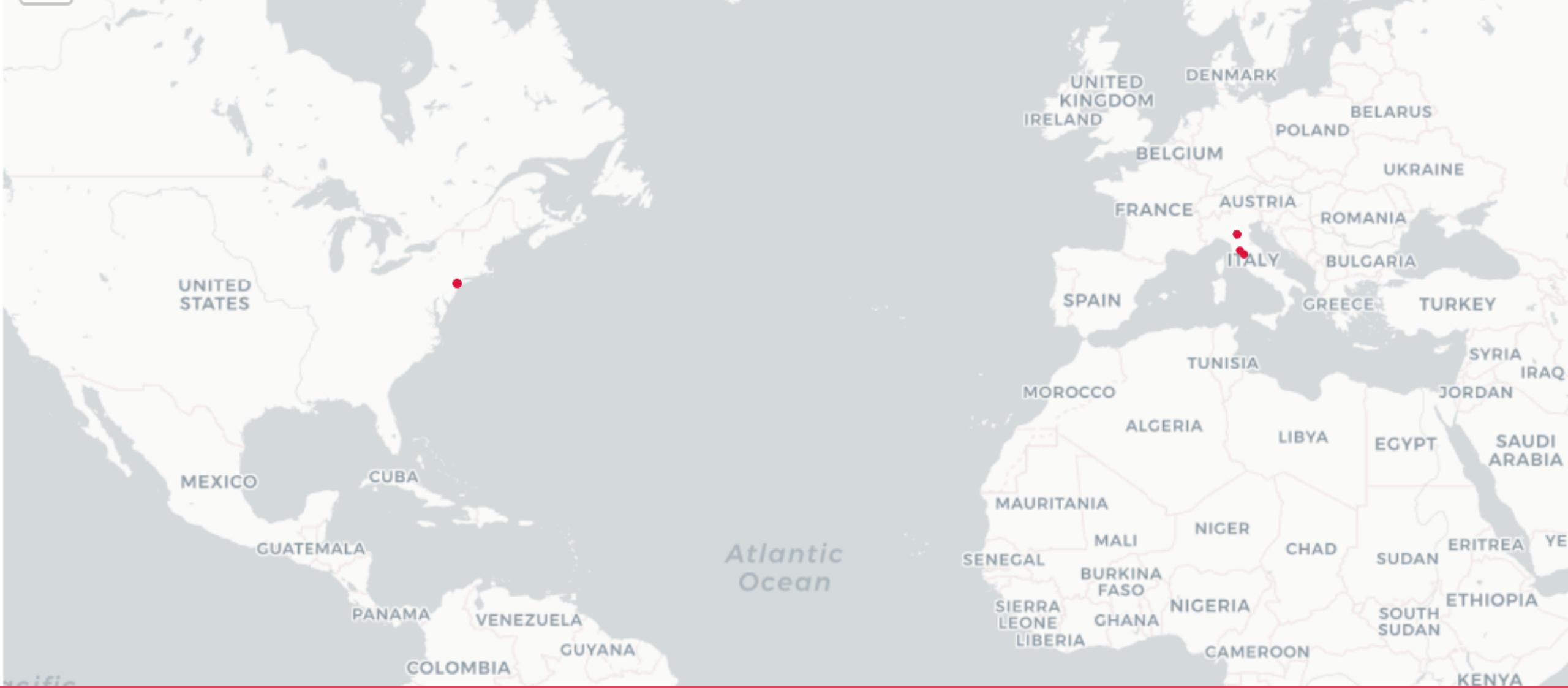
Keeping Up With The Kardashians

Circled



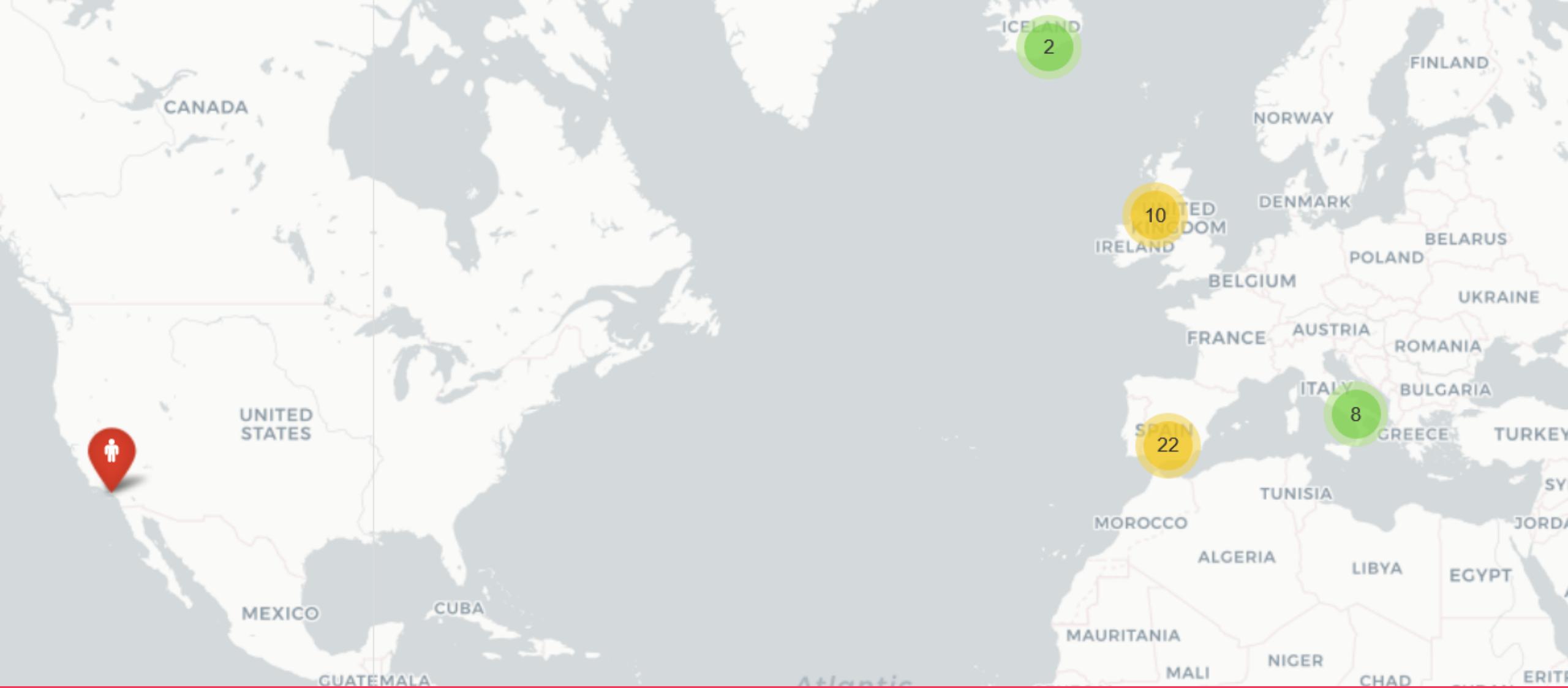
Master of None Clustered

Numbers Indicate Numbers of total locations where the show was filmed
in the displayed areas



Master of None

Circled



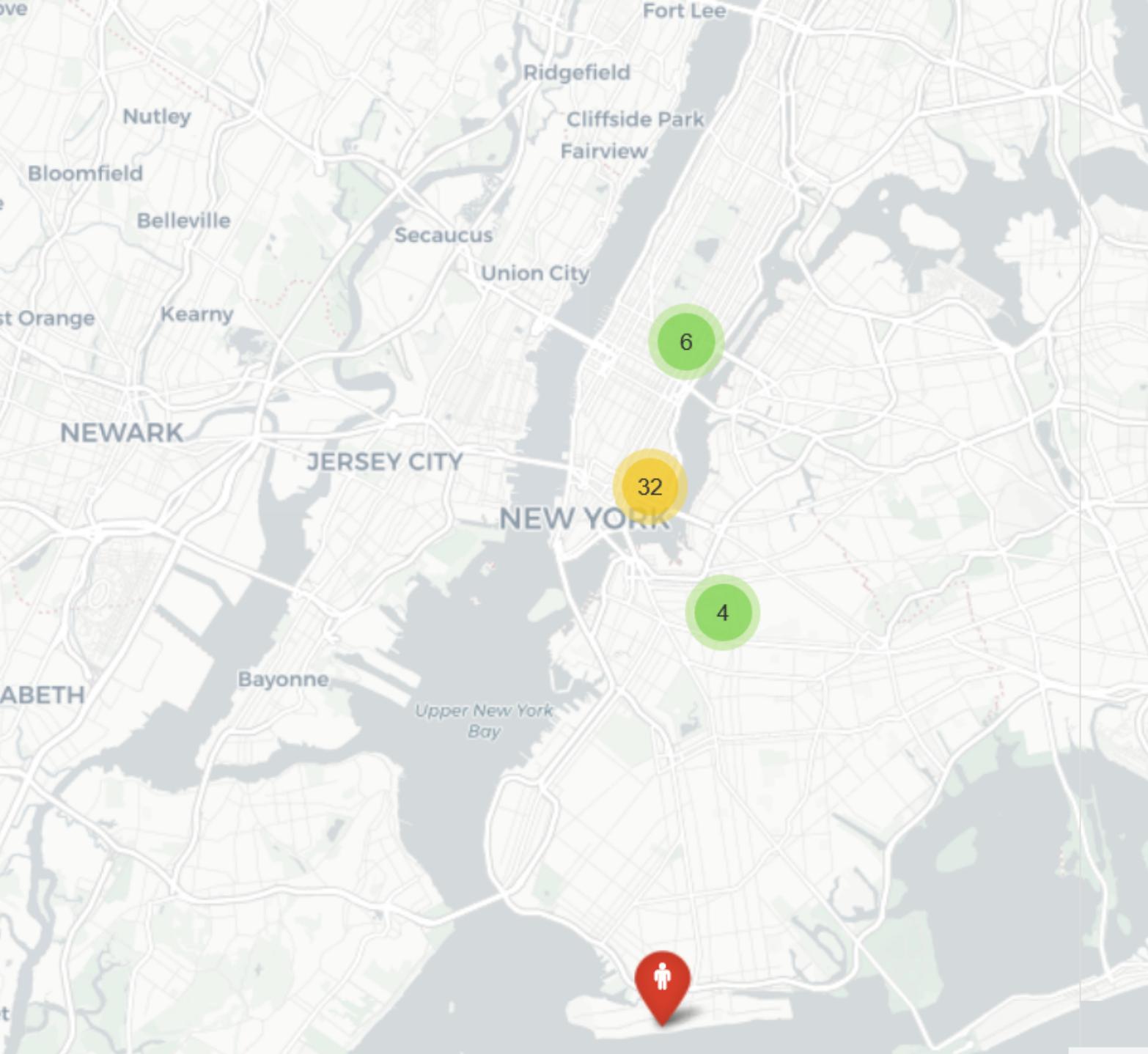
Game of Thrones Clustered

Numbers Indicate Numbers of total locations where the show was filmed
in the displayed areas



Game of Thrones

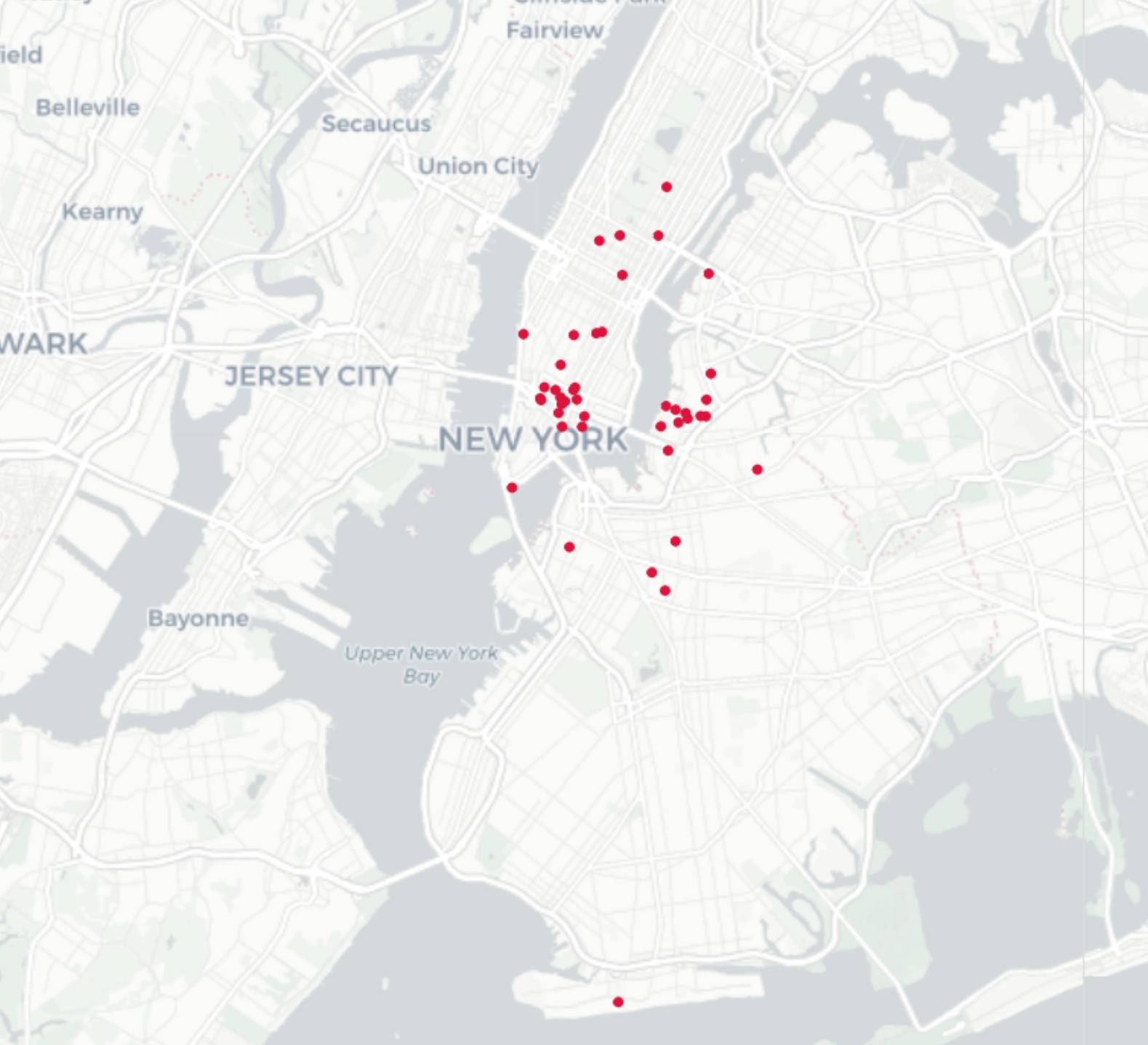
Circled



Girls

Clustered

Numbers Indicate Numbers
of total locations where the
show was filmed in the
displayed areas

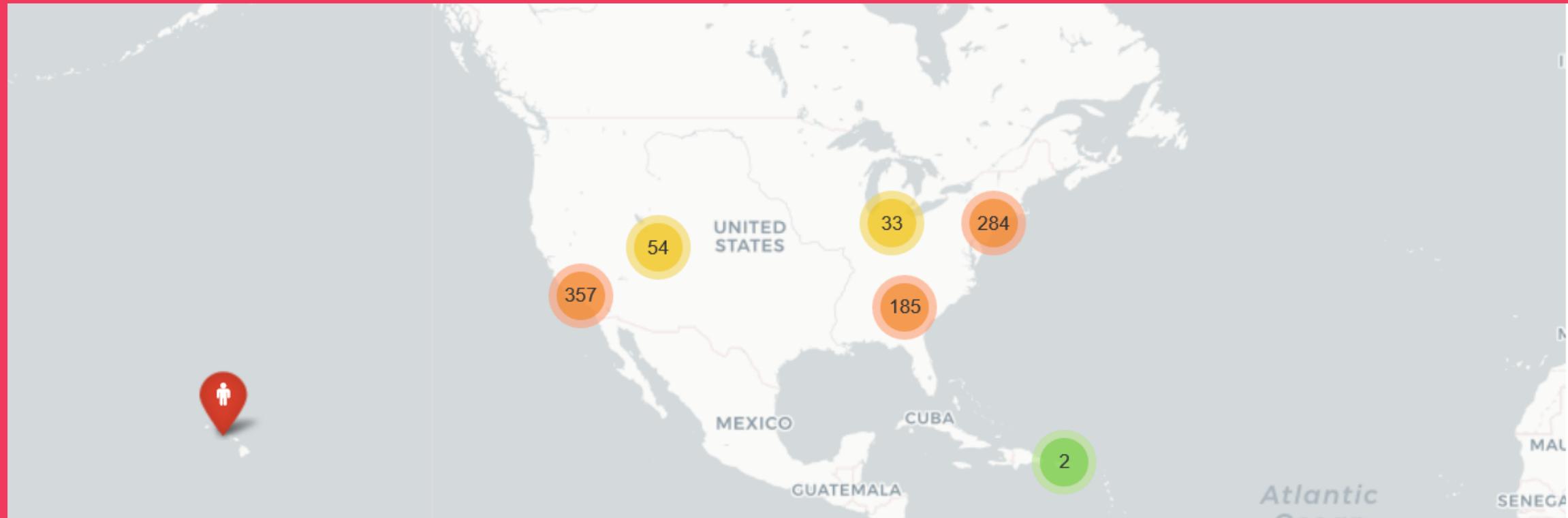


Girls

Circled

Top 5 Countries

Circled and Clustered



USA

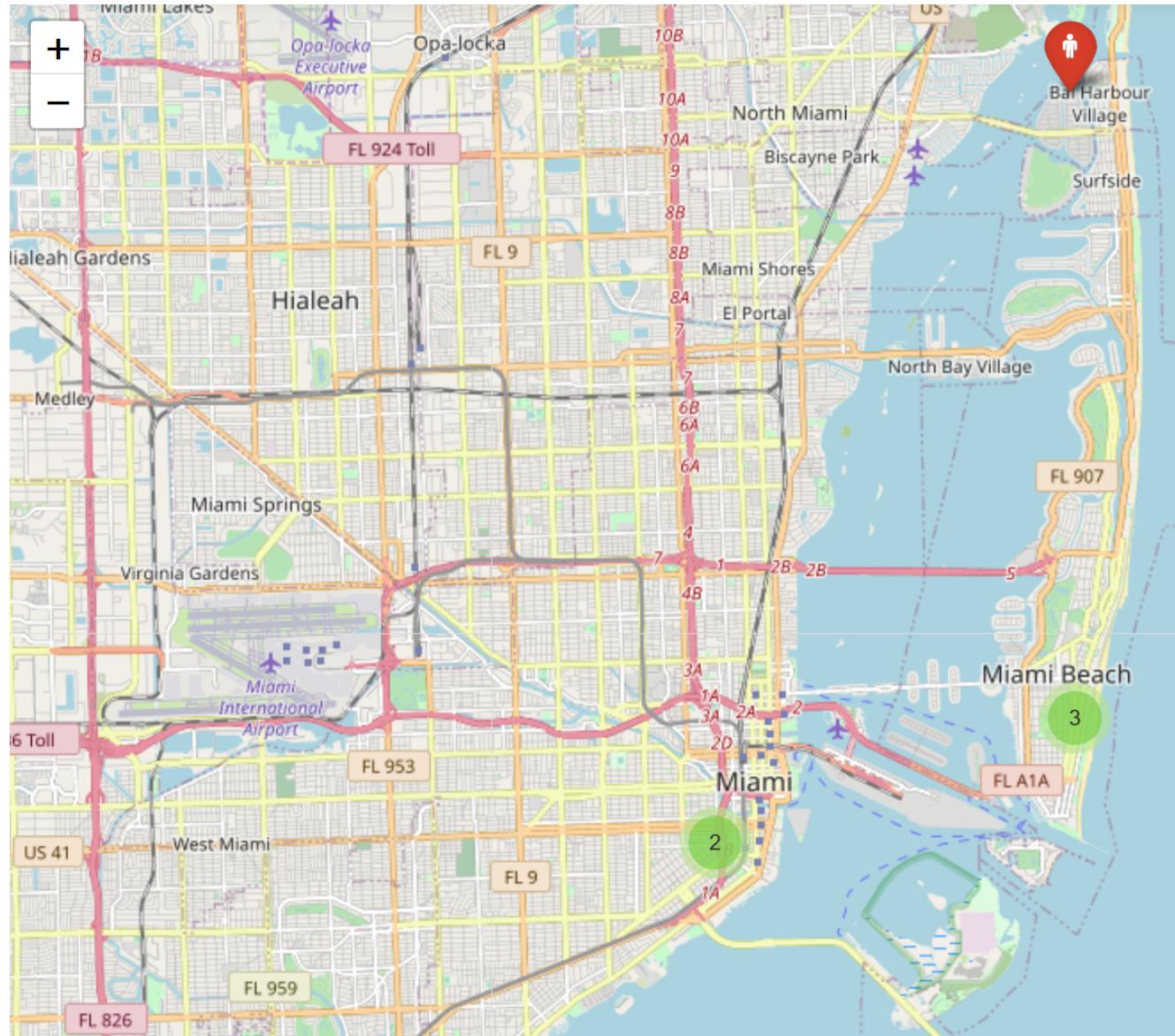
Clustered

Numbers Indicate 1,101 locations where the show was
filmed in the displayed areas



USA

Circled



Miami, Florida

Keeping Up With The Kardashians, Real Housewives of New York, Dexter

Numbers Indicate 6 locations where the show was filmed in the displayed areas



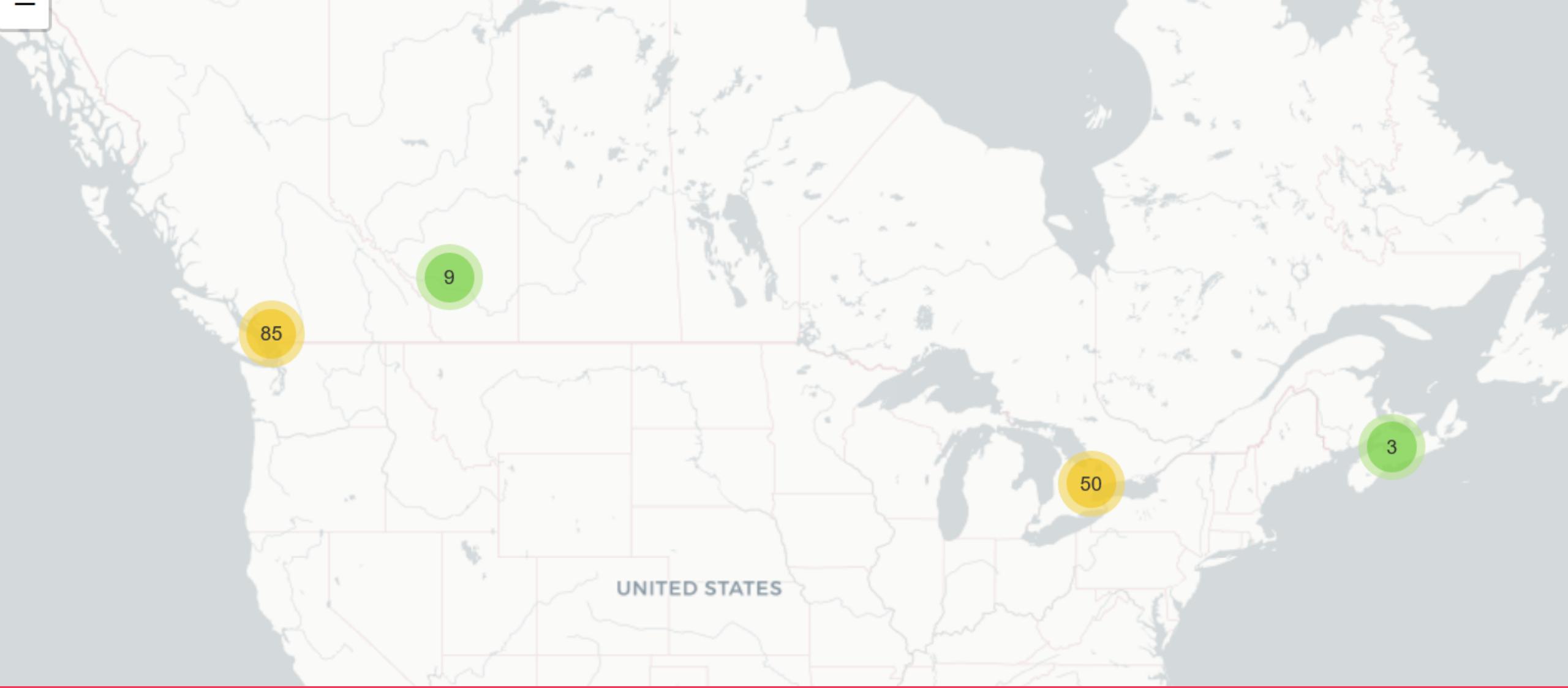
United Kingdom

Numbers Indicate
157 locations where
the show was filmed
in the displayed areas



United Kingdom

Circled



Canada

Numbers Indicate 147 locations where the show was filmed in the displayed areas



Canada

Circled

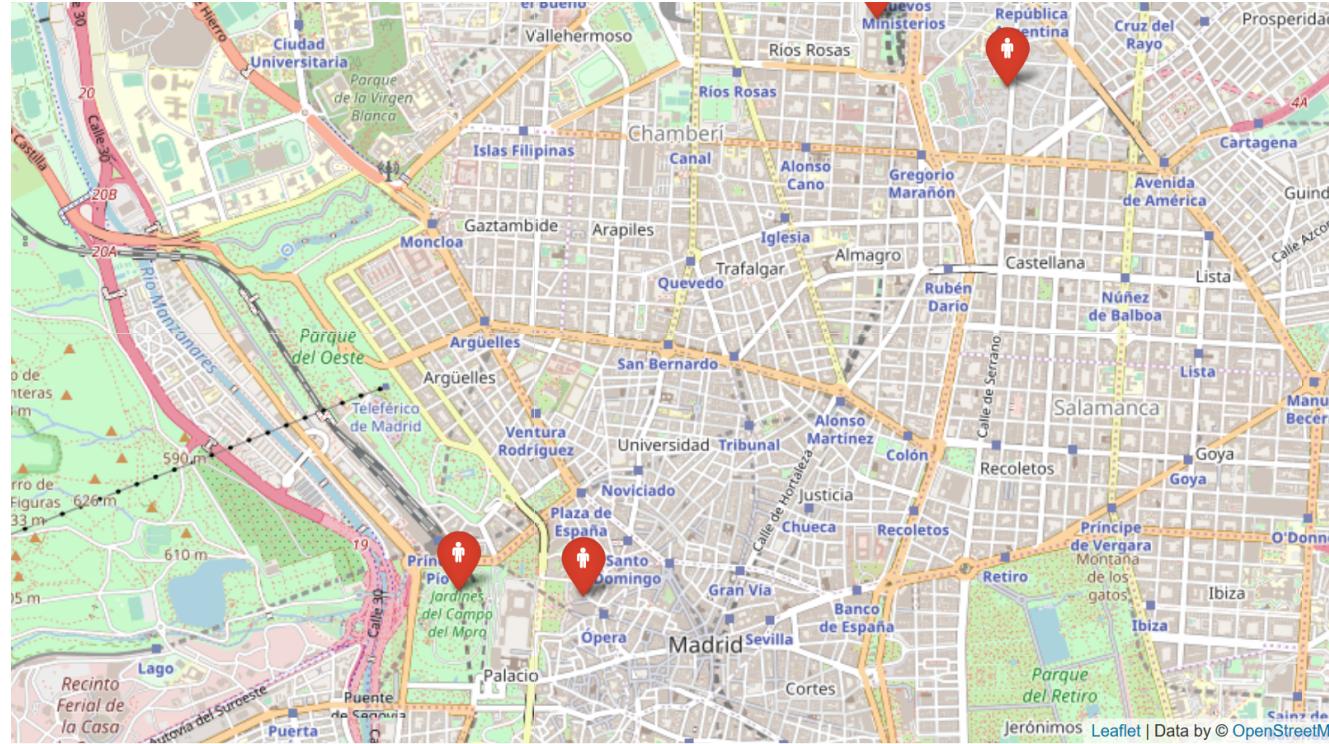


Spain

Numbers Indicate 30
locations where the
show was filmed in the
displayed areas

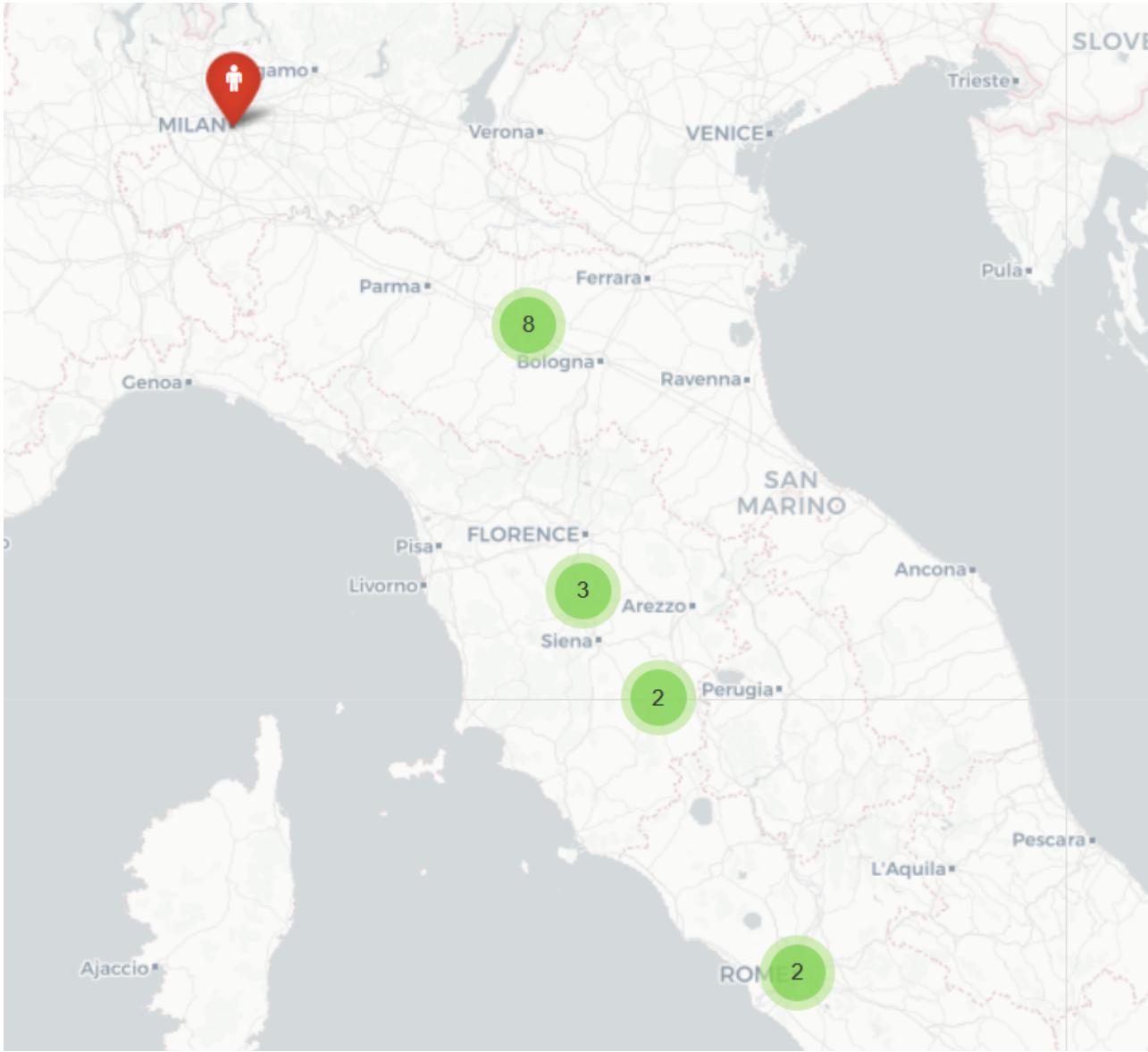


Spain
Circled



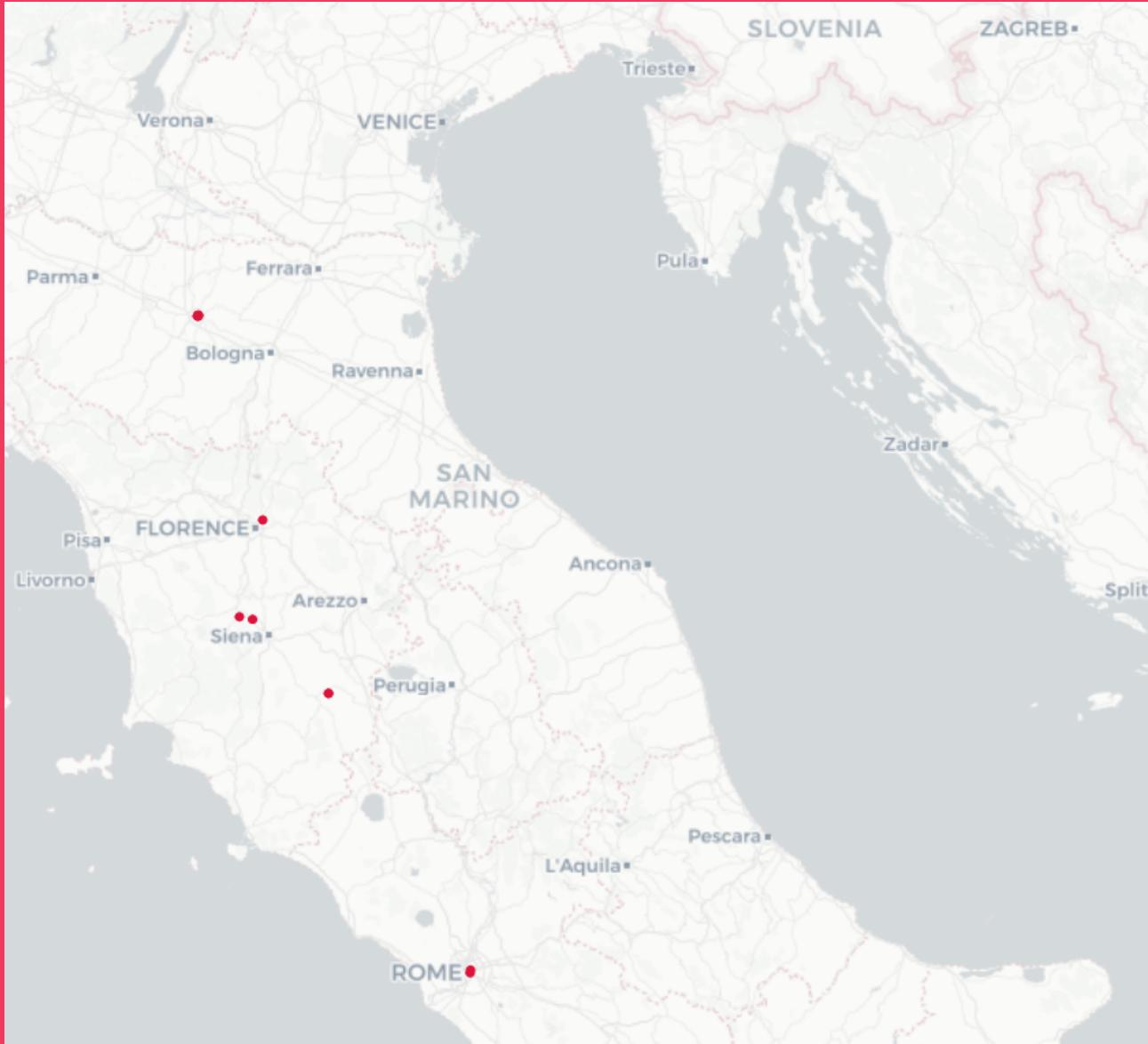
Madrid, Spain
La Casa de
Papel, Lite

4 Locations



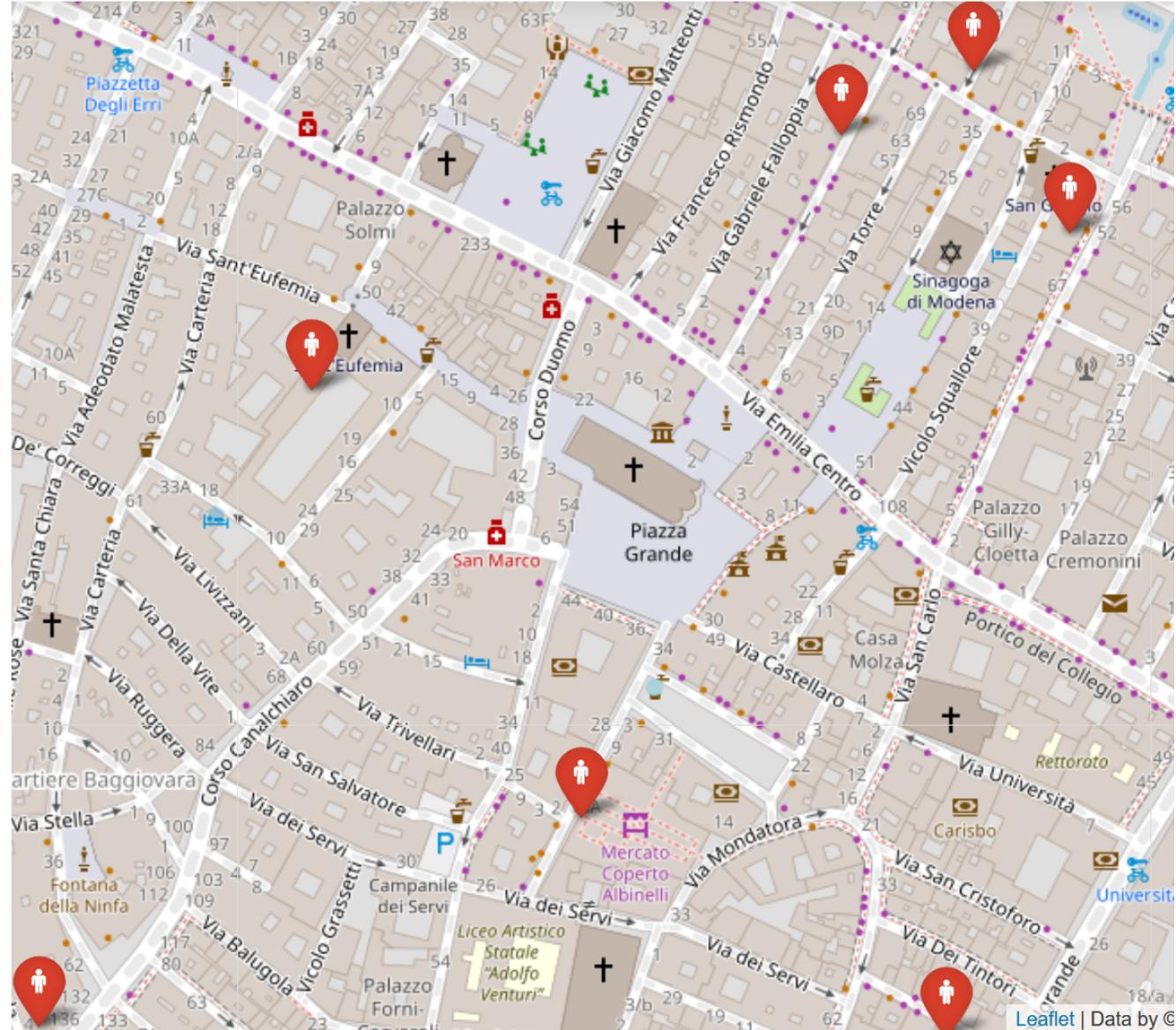
Italy

Numbers Indicate
16 locations where
the show was
filmed in the
displayed areas



Italy

Circled



Modena, Italy
Master of None
Visible: 7 Locations
Actual: 8 Locations

Future Work

- ❖ Study the bipartite graphs of shows and locations where they were filmed.
- ❖ Visualize the projection of these graphs on geomaps.
- ❖ Analyze the longitudinal graphs which are obtained by the bipartite graphs.
- ❖ Community partitions of the above bipartite graphs.