

01. Description of the Data

1. Moscow borders and districts shapes

Moscow borders and districts shapes come from the GIS-Lab (<http://gis-lab.info>) — informal community of russian-speaking GIS/RS specialists.

The data comes in form of GeoJSON file, which is a Feature Collection, describing Moscow districts in the form of sets of coordinates, which can be used to shape polygons and multipolygons on Folium Maps, including the Choropleth Map of Population.

The second source of geospatial data is OpenStreetMap's search engine Nominatim (<https://nominatim.openstreetmap.org/>), which is a tool for searching OSM data by name and address (geocoding) and to generate synthetic addresses of OSM points.

This data is used mostly for precision.

2. Moscow Population

Moscow Population data was manually collected from Wikipedia (<http://wikipedia.org>). It was put together in a csv file, containing the District Name, Borough Name and Number of People, living in each area.

This data is used to determine density and dependency of number of venues to said density.

3. Moscow Venues

All the information about Moscow venues was received from the Foursquare (<http://foursquare.com>), a service which lets users search for restaurants, nightlife spots, shops and other places of interest.

Foursquare provides data which is the main point of interest of this research, such as venue category and location.