

GIS and Demography Data Overview and Resources

Like any data, there are lots of sources for GIS and population data

Some sources:

<https://www.census.gov/geo/maps-data/data/tiger-data.html> <— US Census Data

<http://www.naturalearthdata.com/downloads/>

<https://hub.arcgis.com/pages/open-data>

<https://earthexplorer.usgs.gov>

openstreetmap.org <— GIS open street map

earth.google.com

maps.google.com

<http://sedac.ciesin.columbia.edu> <— NASA socioeconomic data

<https://opentopography.org>

<http://geodata.grid.unep.ch> <— Environmental data

<https://neo.sci.gsfc.nasa.gov>

<http://www.fao.org/geonetwork/srv/en/main.home>

<https://terra.ipums.org>

Also lots of countries and cities and states have their own online GIS data, often including population, etc. There are countless sources.

4 Main GIS Formats

1. Shapefiles
2. CSV/TSV/tables
3. GeoJSONs
4. GDB

These can all be dealt with differently through both GIS tools and software engineering.

Main Demographic Data Layouts

1. Shapefile/polygon = where data is associated with geometric polygons in the area, usually averaged out over time.
2. Matrix = usually for population or trip data; from point A to point B trips.