

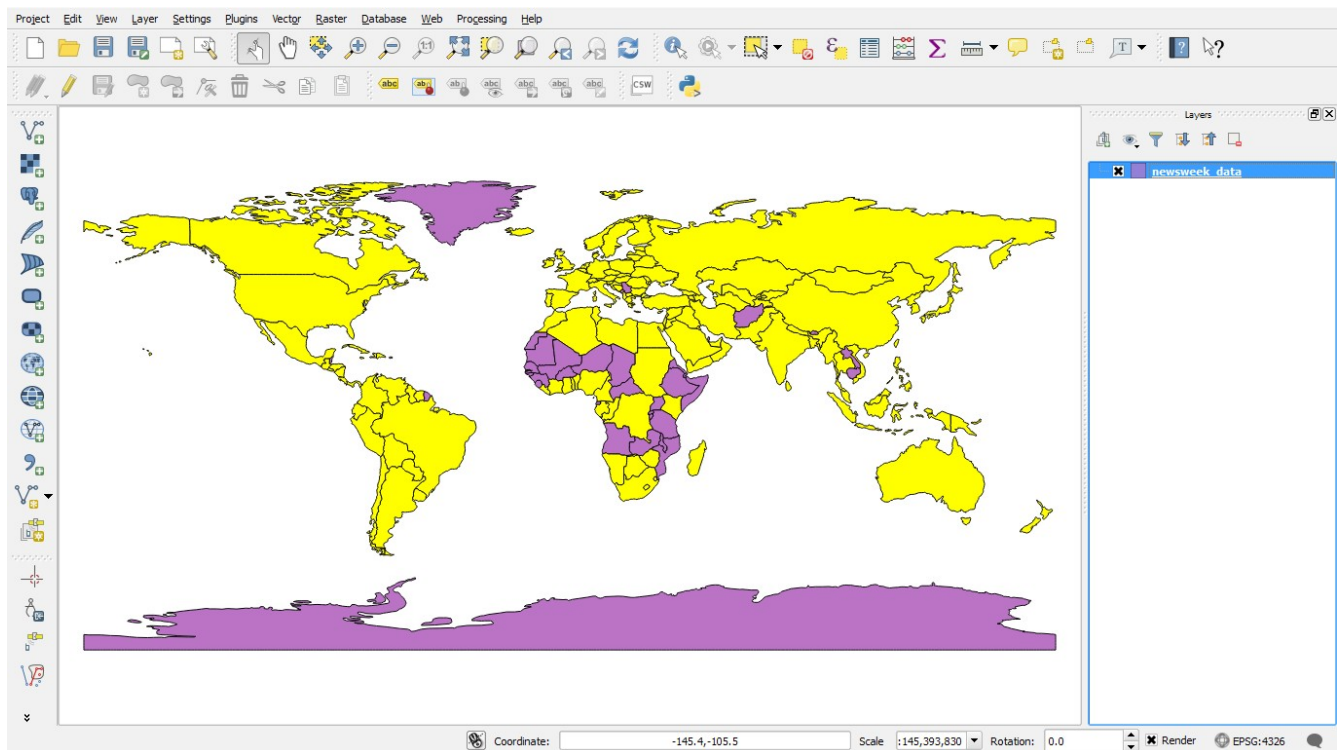
QGIS

QGIS is a Geographical information system, which is used to analyze spatial data. It uses location as the key index for generating relations and exploring new information.

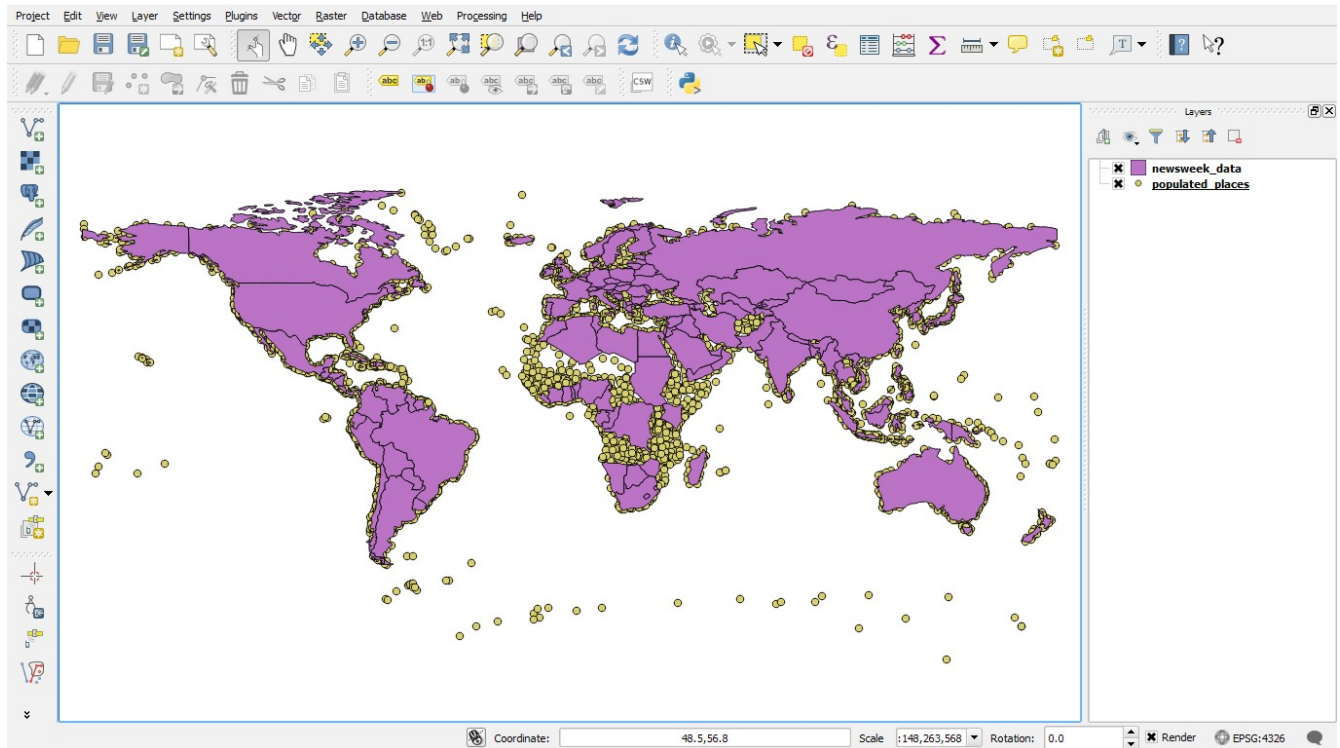
QGIS basically works on layers concept, for different purposes several layers are provided like: Vector Layer, Raster Layer, PostGIS Layer, Delimited Text Layer etc.

Report

1. Data Visualization: Here, we have visualized data of “newweek_data” file and trying to highlight areas having life expectancy greater than 50. This visualization process is using “Delimited Text Layer”. Below is the screenshot:



2. Spatial Data Join: Here, we have visualized data of “newsweek_data” and “populated_places” file and trying to highlight relation(Join) between both the data, using location. This visualization process is using “Vector Layer”. Below is the screenshot:



3. Use of external data: Here, we have visualized data of “Tran_bus_stop” and “Tran_bus_route” file, also here “Google Street” is used, main purpose of this visualization is to highlight “Route and Stops of NJTransit” on “Google Street Maps”. This visualization process is using “Vector Layer”. Below is the screenshot:

