Exercise 9 –Proportional symbol maps

Gross domestic product (GDP) at current market prices by NUTS 3 regions (2021)
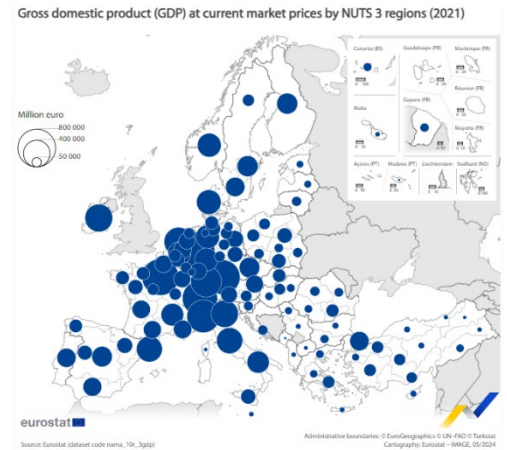
Input Data: Direct from Eurostat database

Expected Outcome: This exercise will show how to create a map using proportional symbols.

Proportional symbol maps are best used when the value is a total, amount, volume. Rather than something that is a proportion, rate, per capita

Tasks:

1)   Start Image at https://gisco-services.ec.europa.eu/image   in your Browser. (If in IMAGE already, refresh using F5)

2)   If IMAGE is already open, **Reset the map by pushing F5 or the** 🗑 RESET MAP **icon**

3)   Now lets add some data, for this example choose one of the popular datasets, Gross domestic product (GDP) at current market prices by NUTS 3 regions. In the Unit of measure, choose "Million euro (MIO_EUR", for the year, leave 2021, and switch to NUTS1. – Notice the warning the tool is giving

Notice that by default the tool will display a standard choropleth map. The dataset however as a default is in millions of Euros, so a proportional circle map may be better. Go to

⚙ SELECT MAP TYPE   and choose Proportional symbol map

4)   At NUTS3, the map looks a bit too cluttered. It might look better at a lower NUTS level such as NUTS1 or NUTS2. Go back to add data and switch the NUTS level. Try switching back to 2021 to see if there is better NUT1 or NUTS2 coverage

5) Switch between NUTS1 and NUTS2, and choose which is best.

6) First the title still says NUTS3. Go into **A EDIT TEXTS** and change the title to reflect the NUTS level chosen. In this case NUTS2.

7) The map looks better, the legend however is a bit arbitrary. Click on **ADDITIONAL SETTINGS** . Choose some appropriate values and enter them into the Legend values box, for this example we add 800000, 500000, 50000. But it is possible to add more values,

Legend values (separated by commas):   800000,400000,50000

8) Now the map is finished. It is possible to change the symbol being used, the colour and the opacity. Experiment with different shades, sizes and shapes.