- 1. Daily Python: Working with arrays and dataframes.
 - (a) Execute the cells in the Colab notebook to see how dataframes are created and modified.
 - (b) Create two dataframes so that their **outer** merge has 5 rows and their **inner** merge has 4 rows.
- 2. Main task 1: Continuing with last week's *choropleth* maps.
 - (a) Download the world map files and execute the code from the Google Colab document.
 - (b) For each of the three maps (forest, pollution, population), choose a colormap that you think goes well with each data set.
 - List of colormaps: matplotlib.org
 - Each color map can be reversed by putting _r at the end (for example viridis_r).
 - (c) Modify the map of Europe so that:
 - the labels on the colorbar are in millions
 - the names of four different countries are labeled
 - (d) Modify the map of the Baltics so that:
 - the labels on the colorbar are in millions
 - each country has its population, in millions, labeled

Submit your plots in ORTUS.

3. Main task 2: Next we talk about *time series*.

- (a) Generate random data as in the Google Colab notebook.
- (b) Plot the result as a line graph.
- (c) Create a new line graph that is the average of the past 5 values.

Submit your plot in ORTUS.