**The trend in world population development**

Initial questions:

* Will it keep on growing or will it stagnate?
* Will it decrease?
* What are the differences between countries and continents?
* Do you have some own theory of reasons behind differences and can you justify it based on data?
* How will the age distribution change?

Our hypothesis:

* The overall trend in the world will be increasing in a diminishing tempo
* In Europe the trend will be downward sloping, in Asia upward sloping and in Africa also increasing
* China will remain the most populated country in the world
* The general life expectancy will rise

Work partition:

* Each member will analyse data for a certain region of the world: western Asia, western Europe, western Africa, Sahara
* data for population between 2000 and 2022

Open points:

* Do we have enough observations for net migration or do we exclude it? –
  + Net migration was only observed in 2002, 2007, 2012 and 2017
* Net migration does not affect population growth (but which countries we have?)
* Should British and French oversee territories like cayman island, Curacao, French Polynesia, Sint Maarten, virgin islands and similar be included? Are they included in the data for England/France?

Observations during the process:

* Noticed that we are missing data for birth rate and life expectancies for 2020 – haven’t figured out why
* There are few countries in which there was a sudden increase in population growth between 2004 and 2010 (would be nice to find which ones and why it happened)
* Birth rate and population growth are positively correlated
* Life expectancy does not seem to have an effect on population growth (if it does than it is slightly negative)
* Life expectancy is increasing over time