

Gapminder

To begin: The Gapminder website helps you analyze **indicators of development:** <http://tools.google.com/gapminder>

Please open up the above link, and you will see the screen from the attached handout (Gapminder World). Explore its features by reading and trying out the boxed descriptions.

Your assignment to turn in:

Pick TWO countries from Asia, TWO countries from Africa, TWO from South/Middle America and TWO from Europe and ONE from North America and do the following using the Gapminder website/software: (*Be sure to include your own pictures of Gapminder*)

1. Correlating development data

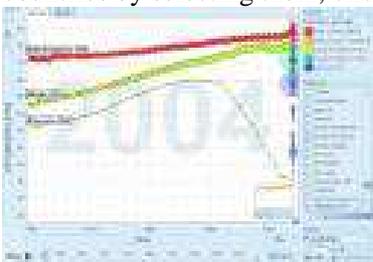
Select Chart and compare different indicators, for example Life Expectancy and Income. What correlations can be found? What conclusions regarding levels of development do you come to based on these indicators?



An example could be to try and identify data that gives a positive correlation on comparison (e.g. carbon dioxide emissions and income) or negative correlation (e.g. fertility rate and phone use)

2. Analyzing trends

Try choosing Life Expectancy and analyzing changes over time (select Time for the x axis.) Track your selected countries by selecting them, clicking the Trails box and playing the animation. What conclusions do you come to?



3. *Exploring urbanization trends*

Compare Urban Population and Time, and track your countries and you should see different income groups. What conclusions do you come to? In the screenshot example I changed the circle size to one size and the color to Income Group.



4. Finally, pick any other TWO indicators other than the ones I had you look at above and compare your countries based on the specific indicators you have chosen.

5. What do you think are the TWO most significant indicators of human development that can be looked at and why?