

Your task is to create a bubble scatter plot that demonstrates the relationship between two variables.

You may choose from two variables under the broader categories of wealth, health and education, e.g. you might compare infant mortality rates to adult literacy rates, or GDP to life expectancy.

You will create that scatter plot using the Gapminder website:

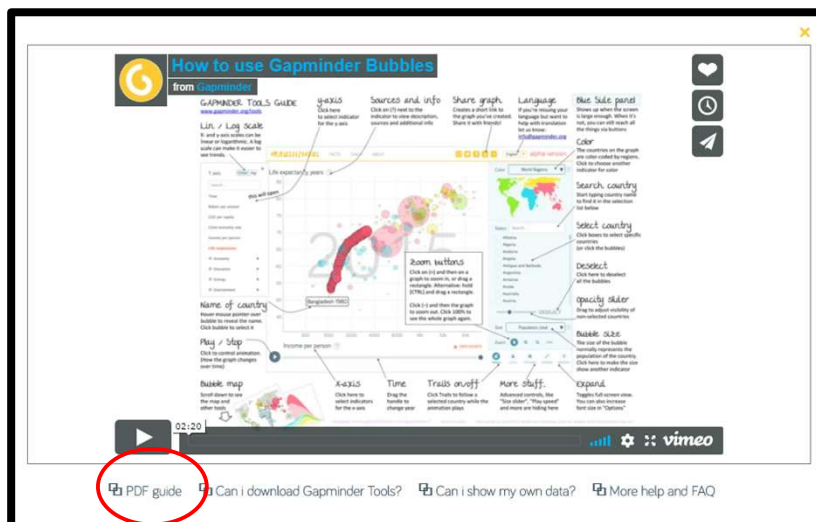
[https://www.gapminder.org/tools/#\\$chart-type=bubbles](https://www.gapminder.org/tools/#$chart-type=bubbles)

STEP ONE: LEARN HOW TO USE THE BUBBLES FUNCTION

Go to the link above. Click on the 'How to use' button and watch the explanatory video. This will show you each of the functions available to use.



You should get a pop-up video that looks like this. You can also choose to download the PDF how-to guide.



STEP TWO: CREATE YOUR BUBBLE SCATTER PLOT

Once you have familiarised yourself with how to use Gapminder you will need to choose which two variables you would like to compare. You should include a screen shot of your scatter plot in this document.

Some suggestions are:

- Life expectancy
- Literacy rates
- Infant mortality rates
- GDP
- Income
- Poverty

STEP THREE: CONDUCT AN ANALYSIS OF YOUR DATA

What trends can you see in your data? (Think about factors such as differences between geographical regions and continents, positive and negative correlations etc)

Use the time handle at the bottom of the scatter plot to vary the time period being displayed. What trends can you see occurring over time?

STEP THREE: CONDUCT AN ANALYSIS OF YOUR DATA (CONT.)

How do trends in the data represent global contrast in wealth, health and education? Choose four nations to use as examples of this contrast and make specific reference to numerical values within the data.

What assumptions about wellbeing can you make based on the data presented? (Think about things like access to necessities, standard of living etc)