

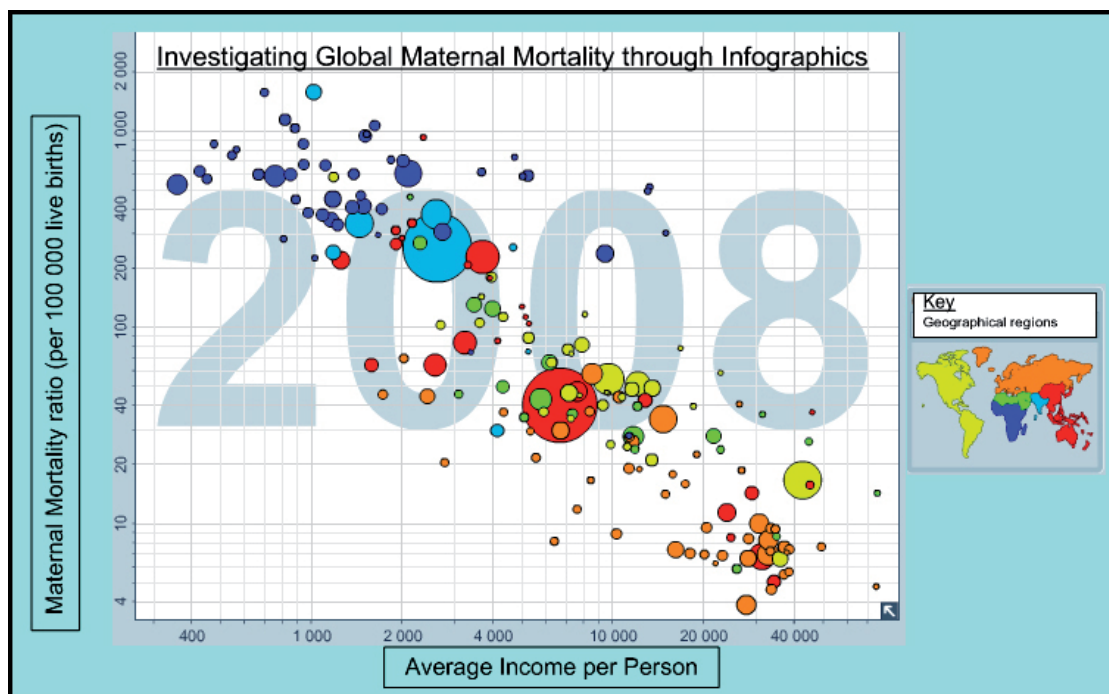


LESSON 3

WORKSHEET 2

Using infographics to show how the wealth of a country affects maternal mortality

(data from www.gapminder.org)



QUESTIONS

1. Look at the axes on the graph. Write down what is wrong with them and why you think they have been made like this.
2. Roughly how many more maternal deaths per 100,000 births are there in Sierra Leone than in the UK?

3. Describe the correlation on the graph above (ie. is it negative/positive, strong/weak?)

4. On the graph above draw a line of best fit.

EXTENSION QUESTIONS

5. Use your line of best fit to estimate what the maternal mortality ratio would be in a country where the income per capita is:

- a) \$400 _____
- b) \$40,000 _____

6. Use your line of best fit to estimate the income per capita where the country has a maternal mortality ratio of

- a) 10 _____
- b) 1,000 _____

7. Look at the key which indicates which geographical region each colour represents.

a) Write the geographical regions in order of richest to poorest.

b) Write the geographical regions in order of highest maternal mortality to lowest.

8. Consider the answers 2-7. What patterns or trends have you noticed.

9. Discuss your findings with a partner. What do you think can be done about this?