More questions related to *The Joy of Stats*

(There will be a clicker quiz on Tuesday, April 22; it will consist of 3-4 questions drawn directly from the ones below, though with multiple choice answers. If you want to review the video, you can find it at a well-known ‘tube’ website, just search for “joy of stats bbc”. We only watched the first 40 minutes, and that’s all the quiz will cover.)

In the show there were many graphics which represented countries by circles. What determined the size of the circles?

Early in the show the focus was on what American city, and what kind of activity or problem were they studying?

One of the earliest compilers of Statistical data was the Swedish government. What shocking thing did their first compilation reveal?

What is “great” about the ‘the average’?

What else is “as important as the average?” What example did the show use to illustrate this?

What is a “distribution”?

According to the show, what is/was the Poisson distribution used for?

According to the show, what is/was the Normal distribution used for? Why was it called “Normal”?

The “polar area graphs” Florence Nightingale invented – what were they plotting, and how? Why were they effective?

The early (1950s) studies showing a correlation between smoking and cancer also revealed what other link (called “science at its best” in the video)?