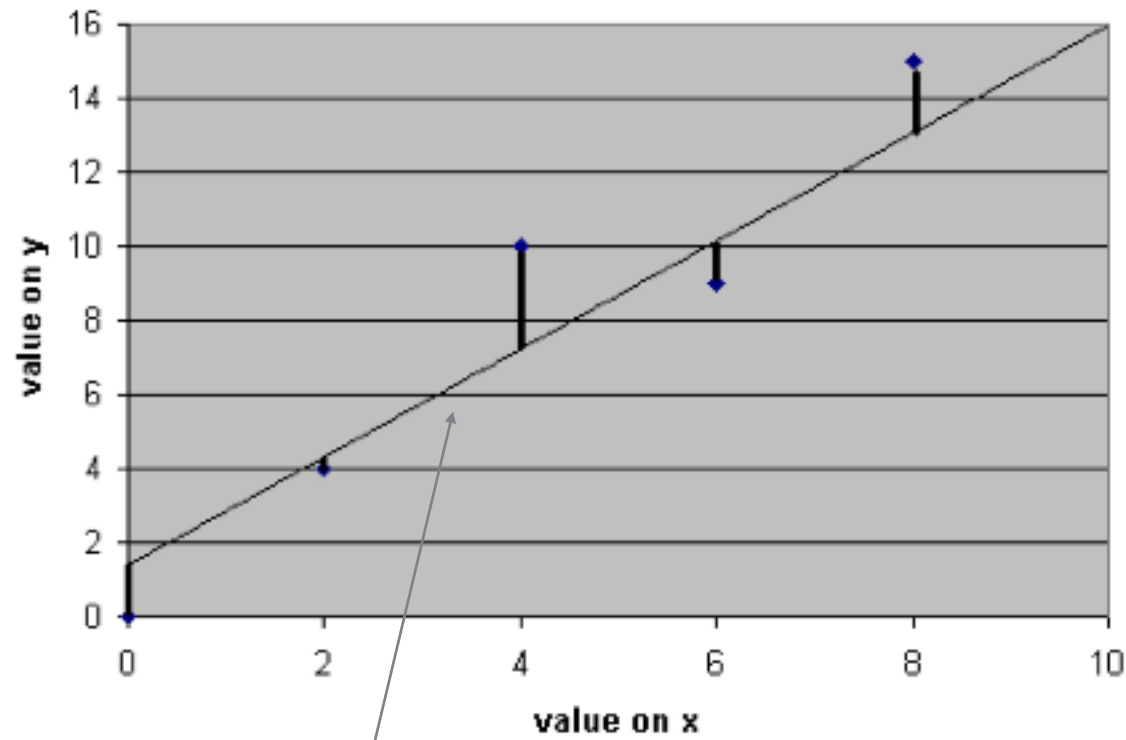# Determining the best line

- For any line, we can calculate what's known as the Least Squares.

- The Least Squares method in regression provides us with a line that results in the least differences between the values predicted by the line and the data themselves….

- So, for the three possible lines we just looked at….

We can see that this line seems to be the best fit as it leads to the least error between the predicted data (the line) and our observed data (the points).

These two lines aren't much good as they lead to a lot of error between predicted and observed data.