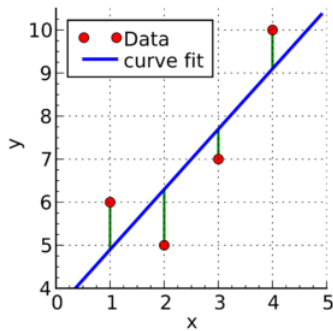


3.27: Introduction to Linear Regression

What you'll learn to do: For a linear relationship, use the least squares regression line to model the pattern in the data and to make predictions.



In this section, we present steps for finding the simple linear regression formula given a set of data. This formula is derived to find the line that has the smallest total squared error from the line to the observed data. In addition, we interpret the constants in a real-world context and explore the ways in which we can use the linear regression model to form predictions or good “guesses” for new values.

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