

Learning Targets

Associations in Data

Lesson 1: Organizing Data

- I can organize data to see patterns more clearly.

Lesson 2: Plotting Data

- I can draw a scatter plot to show data that has two paired variables.

Lesson 3: What a Point in a Scatter Plot Means

- I can describe the meaning of a point in a scatter plot in context.

Lesson 4: Fitting a Line to Data

- I can pick out outliers on a scatter plot.
- I can use a model to predict values for data.

Lesson 5: Describing Trends in Scatter Plots

- I can draw a line to fit data in a scatter plot.
- I can say whether data in a scatter plot has a positive or negative association (or neither).

Lesson 6: The Slope of a Fitted Line

- I can use the slope of a line fit to data in a scatter plot to say how the variables are connected in real-world situations.

Lesson 7: Observing More Patterns in Scatter Plots

- I can pick out clusters in data from a scatter plot.
- I can use a scatter plot to decide if two variables have a linear association.

Lesson 8: Analyzing Bivariate Data

- I can analyze a set of data to determine associations between two variables.

Lesson 9: Looking for Associations

- I can identify the same data represented in a bar graph, a segmented bar graph, and a two-way table.
- I can use a two-way frequency table or relative frequency table to find associations among variables.

Lesson 10: Using Data Displays to Find Associations

- I can create relative frequency tables, bar graphs, and segmented bar graphs from frequency tables to find associations among variables.

Lesson 11: Gone In 30 Seconds

- I can collect data and analyze it for associations using scatter plots, two-way tables, and segmented bar graphs.