Your grade: 100%

Your latest: **100%** • Your highest: **100%** • To pass you need at least 80%. We keep your highest score.

Next item →

1. Which of these statements is true about samples and variables? **1 / 1 point**

   ○ A variable describes a specific characteristic of an entity in your data.

   ○ A sample can have many variables to describe it.

   ◉ All of these statements are true.

   ○ A sample is an instance or example of an entity in your data.

   > ⊘ **Correct**
   > That's correct!

2. Other names for 'variable' are **1 / 1 point**

   ○ sample, row, observation

   ○ numerical, quantitative

   ◉ feature, column, attribute

   ○ categorical, nominal

   > ⊘ **Correct**
   > That's correct!

3. What is the purpose of exploring data? **1 / 1 point**

   ◉ To gain a better understanding of your data.

   ○ To gather your data into one repository.

   ○ To generate labels for your data.

   ○ To digitize your data.

   > ⊘ **Correct**
   > That's correct!

4. What are the two main categories of techniques for exploring data? Choose two. **1 / 1 point**

   ☐ Histogram

   ☐ Outliers

   ☑ Visualization

   > ⊘ **Correct**
   > That's correct!

   ☑ Summary statistics

   > ⊘ **Correct**
   > That's correct!

   ☐ Correlations

   ☐ Trends

5. Which of the following are NOT examples of summary statistics? **1 / 1 point**

   ○ skewness, kurtosis

   ◉ data sources, data locations

   ○ standard deviation, range, variation

   ○ mean, median, mode

   > ⊘ **Correct**
   > That's correct!

6. What are the two measures for measuring shape as mentioned in the lecture? Choose two. **1 / 1 point**

   ☐ Contingency Table

   ☐ Mode

   ☑ Skewness

   > ⊘ **Correct**
   > That's correct!

   ☐ Range

   ☑ Kurtosis

   > ⊘ **Correct**
   > That's correct!

7. Which of the following would NOT be a good reason to use a box plot? **1 / 1 point**

   ○ To show data distribution shapes such as asymmetry and skewness.

   ○ To show and compare distribution values

   ◉ To show correlations between two variables.

   > ⊘ **Correct**
   > That's correct! Correlations are best visualized with scatter plots instead of box plots. Please refer to
   > this video ↗ for review.

8. All of the following are true about data visualization EXCEPT **1 / 1 point**

   ○ Provides an intuitive way to look at data.

   ○ Is useful for communicating results.

   ◉ Is more important than summary statistics for data exploration.

   ○ Should be used with summary statistics for data exploration.

   > ⊘ **Correct**
   > That's correct! Data visualization and summary statistics should be used together to explore data.
   > Please refer to this video ↗ for review.