

***Data Visualization - Exploring and Explaining with
Data 2nd edition Camm Test Bank***

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Chapter 1.2 Appendix Introduction to Data Visualization with Tableau

1. What is Tableau Desktop?

- a. A spreadsheet software
- b. A word processing software that integrates data
- c. A database management software
- d. A data visualization software

ANSWER: d

2. What is the difference between a Live Connection and an Extract Connection in Tableau Desktop?

- a. A Live Connection updates visualizations as the source data changes, while an Extract Connection does not.
- b. An Extract Connection updates visualizations as the source data changes, while a Live Connection does not.
- c. There is no difference between a Live Connection and an Extract Connection.
- d. A Live Connection and an Extract Connection are not related to updating visualizations.

ANSWER: a

3. In Tableau Desktop, what are the specific areas within a worksheet where fields are placed to build visualizations?

- a. Tables and fields
- b. Rows and columns
- c. Cards and shelves
- d. Canvas and marks

ANSWER: c

4. What does a blue pill represent in Tableau Desktop?

- a. Continuous data
- b. Discrete data
- c. Text data
- d. Number data

ANSWER: b

5. How can you update visualizations in Tableau Desktop when using a Live Connection?

- a. Click "File" and select "Update Visualizations"
- b. Click "Data" and select "Refresh Data Source"
- c. Click "Worksheet" and select "Update Data"
- d. Click "Visualizations" and select "Refresh"

ANSWER: b

6. What is the difference between a Tableau Desktop Workbook (.twb) and a Tableau Desktop Packaged Workbook (.twbx)?

- a. A .twb file contains a link to the data source, while a .twbx file contains the data source.
- b. A .twbx file contains a link to the data source, while a .twb file contains the data source.
- c. There is no difference between a .twb file and a .twbx file.
- d. A .twb file and a .twbx file are not related to data sources.

ANSWER: a

7. What are the colored pills in the Data pane of a Tableau Desktop Worksheet called?

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- a. Marks
- b. Shelves
- c. Fields
- d. Cards

ANSWER: c

8. In Tableau Desktop, what is the purpose of the Discover section on the start page?

- a. To connect to data sources
- b. To open sample data sets
- c. To provide information on using Tableau
- d. To create and discover insights through new visualizations

ANSWER: c

9. In Tableau Desktop, what is the purpose of the Canvas area in the Worksheet view?

- a. To display the data tables
- b. To create calculated fields
- c. To display the visualization being created
- d. To change the data source

ANSWER: c

10. In Tableau Desktop, which data type is represented by the globe icon?

- a. Text (string)
- b. Date
- c. Boolean
- d. Spatial (geographic)

ANSWER: d

11. In Tableau Desktop, what does a green pill represent?

- a. Discrete data
- b. Continuous data
- c. Text data
- d. Boolean data

ANSWER: b

12. In Tableau Desktop, what happens when you save a Workbook (.twb) and the linked data source file is moved or deleted?

- a. The visualizations in the Workbook will still function normally.
- b. The visualizations in the Workbook will display an error message.
- c. The visualizations in the Workbook will appear blank.
- d. The Workbook will automatically update the file path to the new location of the data source.

ANSWER: c

Chapter 1.1 Appendix Introduction to Data Visualization with Power BI

1. What is Power BI Desktop?
- a. A spreadsheet software
 - b. A word processing software
 - c. A business intelligence software
 - d. A database management software

ANSWER: c

2. What is the file extension for saving a file in Power BI Desktop?
- a. .pbi
 - b. .pbix
 - c. .ppt
 - d. .xlsx

ANSWER: b

3. How can you change the data type of a variable in Power BI Desktop?
- a. Select the variable in the Data pane, go to the Formatting group, and change the data type.
 - b. Select the variable in the Data pane, go to the Structure group, and change the data type.
 - c. Double-click the variable in the Data pane and change the data type.
 - d. Right-click the variable in the Data pane and select "Change Data Type."

ANSWER: b

4. What is the purpose of the Σ symbol before a variable name in the Data pane in Power BI Desktop?
- a. It indicates that the variable is numeric.
 - b. It indicates that the variable is text.
 - c. It indicates that Power BI Desktop has summed the variable across categories or time periods.
 - d. It indicates that the variable is a calculated field.

ANSWER: c

5. In Power BI Desktop, what is the default view when you open the application?
- a. Model view
 - b. Data view
 - c. Report view
 - d. Relationships view

ANSWER: c

6. In Power BI Desktop, what is the purpose of the Navigator dialog box when importing data from an Excel file?
- a. To select the worksheet to import
 - b. To preview the data before loading
 - c. To specify the file path
 - d. To choose the data type for each column

ANSWER: b

7. In Power BI Desktop, what is the purpose of the Calculations group in the Table tools tab?
- a. To create new visualizations

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- b. To modify the data types
- c. To add new columns or tables based on existing data
- d. To filter the data

ANSWER: c

8. In Power BI Desktop, what does the comma button in the Formatting group of the Column tools tab do?

- a. Adds a comma separator to the values
- b. Removes any comma separators from the values
- c. Formats the values as currency
- d. Formats the values as percentages

ANSWER: a