

Dr. Basma M. Hassan
Faculty of Artificial Intelligence
Kafrelsheikh University
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Power BI Essentials

Multiple Choice Questions (MCQs) – 11 Questions (Stanford)

- 1. What is the primary purpose of data analysis?**
 - a) To create colorful charts
 - b) To discover useful insights and support decision-making
 - c) To delete unnecessary files
 - d) To slow down business processes
- 2. Which tool is used to clean and transform data in Power BI?**
 - a) Power Pivot
 - b) Power Query
 - c) Power View
 - d) Power Map
- 3. What is Power BI Desktop primarily used for?**
 - a) Viewing reports on mobile
 - b) Creating and designing reports offline

- c) Syncing cloud data
- d) Only for Excel files

4. **Which Power BI component allows sharing reports online?**

- a) Power BI Gateway
- b) Power BI Mobile
- c) Power BI Service
- d) Power BI Desktop

5. **What type of visualization would best show sales trends over time?**

- a) Pie chart
- b) Bar chart
- c) Line chart
- d) Donut chart

6. **In the Adidas case study, which state was a top performer in sales?**

- a) Florida
- b) California
- c) Ohio
- d) Michigan

7. **What was the total sales value in the Adidas dataset?**

- a) 500Mb)500Mb)816M
- c) 1Bd)1Bd)302M

8. **Which retailer was NOT mentioned as a top performer in the Adidas analysis?**

- a) West Gear
- b) Foot Locker

- c) Walmart
- d) Sports Direct

9. What does KPI stand for?

- a) Key Profit Indicator
- b) Key Performance Indicator
- c) Key Process Integration
- d) Key Product Insight

10. Which Power BI feature syncs on-premise data with the cloud?

- a) Power BI Mobile
- b) Power BI Gateway
- c) Power BI Service
- d) Power BI Desktop

11. What was the operating margin in the Adidas dashboard?

- a) 35%
- b) 42.4%
- c) 50%
- d) 28%

12. Which chart type was used to show sales distribution by region?

- a) Bar chart
- b) Pie chart
- c) Donut chart
- d) Scatter plot

13. What is the first step in working with Power BI?

- a) Publish reports
- b) Get data

- c) Create visualizations
 - d) Transform data
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True/False Questions – 5 Questions

- 1. Power BI is a Google product.**
 - (False)
 - 2. Power Query is used for data transformation in Power BI.**
 - (True)
 - 3. The Adidas dataset included sales data from 2022.**
 - (False)
 - 4. KPIs are used to measure business performance.**
 - (True)
 - 5. Power BI Mobile is only available for Android devices.**
 - (False)
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Essay Questions – 2 Questions

- 1. Explain the importance of data visualization in business analytics, using examples from the Adidas case study.**
(Expected points: KPIs, charts like bar/pie, how they help decision-making.)
- 2. Describe the step-by-step process of creating a Power BI report, from data import to sharing insights.**

(Expected points: Get Data → Transform → Visualize → Publish → Share.)

Answer Key (MCQs & T/F)

MCQs: 1(b), 2(b), 3(b), 4(c), 5(c), 6(b), 7(b), 8(d), 9(b), 10(b), 11(b), 12(c), 13(b)

T/F: 1(F), 2(T), 3(F), 4(T), 5(F)

True/False Questions (10 Questions)

DataCamp (Interactive Learning)

1. Power BI Desktop is used only for viewing reports, not creating them. (False)
2. The "Get Data" feature in Power BI can import Excel files. (True)
3. Power Query is used to clean and transform data in Power BI. (True)
4. The Adidas sales dataset included data from 2022. (False)
5. Power BI Mobile apps are available only for iOS devices. (False)
6. KPIs in dashboards stand for "Key Profit Indicators." (False)
7. The Southeast region contributed the least to Adidas sales in the dashboard. (False)
8. Men's apparel was the lowest-selling product category in the Adidas analysis. (False)

9. Power BI Gateway syncs cloud data with on-premises sources.
(True)
10. Bar charts are best for showing trends over time. (False)

Answer Keys

True/False: 1(F), 2(T), 3(T), 4(F), 5(F), 6(F), 7(F), 8(F), 9(T), 10(F)

Guru99 (Free Tutorials & Quizzes)

Multiple Choice Questions (MSQ) (15 Questions)

1. **What is the primary function of Power BI?**
 - a) Gaming platform
 - b) Business analytics and visualization
 - c) Social media tool
 - d) Video editing
2. **Which component publishes reports online?**
 - a) Power BI Desktop
 - b) Power BI Service
 - c) Power BI Gateway
 - d) Power Query
3. **In the Adidas dashboard, which months showed sales peaks?**
 - a) January-February
 - b) June-July
 - c) October-November
 - d) December
4. **What percentage of sales came from the Southeast region?**
 - a) 15%
 - b) 28.29%

- c) 42.4%
- d) 50%

5. Which tool cleans data in Power BI?

- a) Power Pivot
- b) Power Query
- c) Power View
- d) DAX Studio

6. What was the total sales value in the Adidas dataset?

- a) 302Mb)302Mb)500M
- c) 816Md)816Md)1B

7. Which retailer was NOT a top performer?

- a) West Gear
- b) Foot Locker
- c) Walmart
- d) Sports Direct

8. What does KPI stand for?

- a) Key Profit Indicator
- b) Key Performance Indicator
- c) Key Product Insight
- d) Key Process Integration

9. Which chart type showed sales by product category?

- a) Line chart
- b) Pie chart
- c) Bar chart
- d) Scatter plot

10. **What is the first step in Power BI workflow?**
- a) Publish reports
 - b) Get Data
 - c) Create visualizations
 - d) Transform data
11. **Which state was a top performer in sales?**
- a) Florida
 - b) California
 - c) Ohio
 - d) Michigan
12. **What metric reflects profitability efficiency?**
- a) Total Sales
 - b) Operating Margin
 - c) Units Sold
 - d) Price per Unit
13. **Which Power BI feature syncs on-premises data?**
- a) Power BI Mobile
 - b) Power BI Gateway
 - c) Power BI Service
 - d) Power Query
14. **What visualization displays parts of a whole?**
- a) Bar chart
 - b) Line chart
 - c) Pie chart
 - d) Map
15. **Which product category dominated Adidas sales?**
- a) Women's footwear

- b) Men's footwear
 - c) Accessories
 - d) Kids' apparel
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Answer Keys

MSQ: 1(b), 2(b), 3(b), 4(b), 5(b), 6(c), 7(d), 8(b), 9(c), 10(b), 11(b), 12(b), 13(b), 14(c), 15(b)

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