

## 1. What is the default interaction behavior in Power BI when selecting a data point on a visual?

- a) Filter
- b) Highlight
- c) Drill-through
- d) Cross-highlight

**Answer: d) Cross-highlight**

**Explanation:** By default, Power BI performs **cross-highlighting**, where the selected data point emphasizes the corresponding data in related visuals while maintaining the full dataset view.

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## 2. What is the primary purpose of slicers in Power BI?

- a) To filter data directly on a visual.
- b) To create calculated columns.
- c) To establish relationships between tables.
- d) To improve query performance.

**Answer: a) To filter data directly on a visual.**

**Explanation:** Slicers are interactive elements that allow users to filter data on visuals dynamically.

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## 3. Which visual is best suited for comparing the proportion of categories in a dataset?

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

**Answer: c) Pie chart**

**Explanation:** Pie charts are designed to display proportions of categories as parts of a whole.

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## 4. What is the role of bookmarks in Power BI?

- a) To save filter settings and visual states.
- b) To create relationships between tables.

- c) To export reports to PDF.
- d) To connect to external data sources.

**Answer: a) To save filter settings and visual states.**

**Explanation:** Bookmarks allow users to save specific views, including applied filters and the state of visuals, for later use.

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## **5. Which feature allows users to drill down into hierarchical data in Power BI visuals?**

- a) Focus mode
- b) Drill-through
- c) Expand/Drill-down buttons
- d) Filters pane

**Answer: c) Expand/Drill-down buttons**

**Explanation:** Drill-down buttons let users navigate hierarchical data levels, such as Year → Quarter → Month.

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## **6. What is the purpose of tooltips in Power BI?**

- a) To export data from visuals.
- b) To display additional information when hovering over a visual.
- c) To apply conditional formatting.
- d) To sort data in visuals.

**Answer: b) To display additional information when hovering over a visual.**

**Explanation:** Tooltips show extra context or data when the user hovers over a data point.

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## **7. What type of chart is most effective for showing trends over time?**

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

**Answer: b) Line chart**

**Explanation:** Line charts are ideal for visualizing trends across a timeline, such as sales growth over months.

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## **8. In Power BI, how can you format data points conditionally?**

- a) By using the **Formatting Pane**.
- b) By enabling **Conditional Formatting** in the field's properties.
- c) By applying filters to the visual.
- d) By using slicers.

**Answer: b) By enabling Conditional Formatting in the field's properties.**

**Explanation:** Conditional Formatting allows customization of visual elements based on field values or rules.

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## 9. What is the purpose of the Q&A visual in Power BI?

- a) To allow natural language queries.
- b) To automate report creation.
- c) To create relationships dynamically.
- d) To export dashboards.

**Answer: a) To allow natural language queries.**

**Explanation:** The Q&A visual enables users to type questions in natural language to generate visuals automatically.

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## 10. Which type of filter affects all visuals on a report page by default?

- a) Visual-level filter
- b) Page-level filter
- c) Report-level filter
- d) Slicer

**Answer: b) Page-level filter**

**Explanation:** Page-level filters are applied to all visuals on the specific report page.

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## 11. What does the decomposition tree visual allow users to do?

- a) Drill down into data hierarchies.
- b) Compare data trends.
- c) Display proportions of categories.
- d) Analyze performance over time.

**Answer: a) Drill down into data hierarchies.**

**Explanation:** The decomposition tree allows dynamic exploration of data hierarchies to identify contributing factors.

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**\*\*12. What is the function of sync slicers in Power BI?**

- a) To create synchronized animations.
- b) To apply slicer selections across multiple pages.
- c) To enable advanced data modeling.
- d) To improve report performance.

**Answer: b) To apply slicer selections across multiple pages.**

**Explanation:** Sync slicers ensure consistent filtering across different report pages.

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**13. Which visual is best for showing correlations between two numerical variables?**

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

**Answer: b) Scatter plot**

**Explanation:** Scatter plots display the relationship or correlation between two numeric fields.

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**14. What does enabling "drill-through" allow users to do in Power BI?**

- a) Create interactive tooltips.
- b) Navigate to a detailed page based on a specific data point.
- c) Generate calculated measures.
- d) Apply row-level security.

**Answer: b) Navigate to a detailed page based on a specific data point.**

**Explanation:** Drill-through allows users to focus on detailed data for a selected category by navigating to another page.

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**15. What is the purpose of KPI visuals in Power BI?**

- a) To track and display progress toward a measurable goal.
- b) To compare multiple categories.
- c) To show correlations between datasets.
- d) To summarize data with hierarchies.

**Answer: a) To track and display progress toward a measurable goal.**

**Explanation:** KPI visuals highlight key metrics and their performance against a target value.

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## 16. What is the role of the "Focus Mode" option in Power BI?

- a) To filter data in a visual.
- b) To export the data behind a visual.
- c) To enlarge a visual for better viewing.
- d) To apply conditional formatting.

**Answer: c) To enlarge a visual for better viewing.**

**Explanation:** Focus mode expands a single visual to occupy the entire screen, aiding detailed analysis.

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## 17. Which visual is commonly used to represent data across geographical regions?

- a) Line chart
- b) Pie chart
- c) Map visual
- d) Table

**Answer: c) Map visual**

**Explanation:** Map visuals are designed to display data points geographically.

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## 18. How can you apply row-level security (RLS) to a Power BI report?

- a) By creating conditional slicers.
- b) By defining roles and associating them with DAX expressions.
- c) By enabling report-level filters.
- d) By using sync slicers.

**Answer: b) By defining roles and associating them with DAX expressions.**

**Explanation:** Row-level security restricts data access for users based on roles defined using DAX filters.

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## 19. What does the "Edit Interactions" feature in Power BI allow you to do?

- a) Modify visual types.
- b) Set how visuals interact with each other.
- c) Enable cross-report sharing.
- d) Create custom tooltips.

**Answer: b) Set how visuals interact with each other.**

**Explanation:** The **Edit Interactions** feature lets users define whether visuals filter, highlight, or ignore interactions from other visuals.

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## 20. What is the primary purpose of the "Funnel Chart"?

- a) To display hierarchical data.
- b) To show proportions of a whole.
- c) To represent stages in a process or pipeline.
- d) To show trends over time.

**Answer: c) To represent stages in a process or pipeline.**

**Explanation:** Funnel charts are ideal for visualizing data as it flows through stages, such as sales pipelines.

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## 21. Which visual would you use to display hierarchical data in Power BI?

- a) Matrix
- b) Treemap
- c) Scatter Plot
- d) Funnel

**Answer: b) Treemap**

**Explanation:** A treemap uses nested rectangles to display hierarchical data, where each level is represented by size and color.

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## 22. What does the "Fields" pane in Power BI allow you to do?

- a) Connect to external data sources.
- b) Format visual styles.
- c) Drag fields to create visuals and filters.
- d) Apply conditional formatting to visuals.

**Answer: c) Drag fields to create visuals and filters.**

**Explanation:** The "Fields" pane lists all data model fields, enabling users to drag them into the canvas or filter pane to create visuals or filters.

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## 23. Which feature allows users to view detailed data behind a visual?

- a) Export data
- b) Drill-through
- c) Drill-down
- d) Show as table

**Answer: d) Show as table**

**Explanation:** "Show as table" displays the data behind a visual in tabular format directly in Power BI.

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**\*\*24. What is the primary advantage of using Hierarchy slicers?**

- a) They filter data without affecting other visuals.
- b) They allow filtering at multiple levels of a hierarchy.
- c) They provide advanced analytics.
- d) They replace drill-through pages.

**Answer: b) They allow filtering at multiple levels of a hierarchy.**

**Explanation:** Hierarchy slicers let users filter data across multiple levels, such as Year → Quarter → Month.

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**25. Which Power BI visual is ideal for showing data composition across different categories?**

- a) Stacked column chart
- b) Line chart
- c) Gauge
- d) Scatter plot

**Answer: a) Stacked column chart**

**Explanation:** Stacked column charts display the composition of data by stacking different categories in a column.

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**26. What is the purpose of the "Analyze" option in visuals?**

- a) To create relationships.
- b) To identify and explain trends or anomalies.
- c) To format visual elements.
- d) To filter data globally.

**Answer: b) To identify and explain trends or anomalies.**

**Explanation:** The "Analyze" feature uses AI to explain increases, decreases, and trends in data.

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**27. Which Power BI visual allows users to simulate dynamic calculations with "What If" parameters?**

- a) Gauge
- b) Table
- c) Line and clustered column chart
- d) Slicer

**Answer: d) Slicer**

**Explanation:** A slicer with "What If" parameters enables users to adjust dynamic values and observe their impact on calculations.

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**28. What type of chart is most suitable for analyzing part-to-whole relationships?**

- a) Line chart
- b) Waterfall chart
- c) Funnel chart
- d) Donut chart

**Answer: d) Donut chart**

**Explanation:** A donut chart, similar to a pie chart, effectively visualizes parts of a whole while leaving space for labels in the center.

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**29. How do you apply a default filter to a report in Power BI?**

- a) Use a slicer.
- b) Add a page-level filter.
- c) Use the Edit Interactions feature.
- d) Apply filters in the Fields pane.

**Answer: b) Add a page-level filter.**

**Explanation:** Page-level filters apply a default filtering context to all visuals on a specific page.

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**30. What is the main use of a waterfall chart?**

- a) To show proportions.
- b) To visualize cumulative effects of positive and negative values.



- c) To track trends over time.
- d) To analyze geographical data.

**Answer: b) To visualize cumulative effects of positive and negative values.**

**Explanation:** A waterfall chart shows how individual values contribute to a total over time or categories.

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### **31. Which feature allows you to link visuals to pages for detailed analysis in Power BI?**

- a) Drill-through
- b) Bookmarks
- c) Slicers
- d) Tooltip

**Answer: a) Drill-through**

**Explanation:** Drill-through enables navigation to detailed pages based on the selected data point in a visual.

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### **32. How can you create a custom tooltip in Power BI?**

- a) Use the Field Properties pane.
- b) Enable the Tooltip option and design a report page as a tooltip.
- c) Use slicers as overlays.
- d) Define roles in the Model view.

**Answer: b) Enable the Tooltip option and design a report page as a tooltip.**

**Explanation:** Custom tooltips provide additional information by linking visuals to specifically designed report pages.

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### **33. What does enabling "Interactivity" between visuals achieve?**

- a) Synchronizes slicers across pages.
- b) Allows visuals to influence each other's filters dynamically.
- c) Disables page-level filters.
- d) Applies row-level security.

**Answer: b) Allows visuals to influence each other's filters dynamically.**

**Explanation:** Visual interactivity ensures that actions in one visual (e.g., selection) affect other related visuals.

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### 34. What is the role of a scatter chart in Power BI?

- a) To show trends over time.
- b) To visualize data correlations.
- c) To summarize hierarchical data.
- d) To display performance metrics.

**Answer: b) To visualize data correlations.**

**Explanation:** Scatter charts plot two numeric variables to show their relationship.

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### 35. How can you optimize performance in Power BI reports?

- a) Add multiple slicers to a report.
- b) Reduce the number of visuals on a single page.
- c) Use full dataset imports for every report.
- d) Disable Edit Interactions.

**Answer: b) Reduce the number of visuals on a single page.**

**Explanation:** Overloading a page with visuals can slow down report performance, so minimizing their count improves efficiency.

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### 36. What is the significance of the gauge visual in Power BI?

- a) To track trends over time.
- b) To show hierarchical data.
- c) To indicate progress toward a specific goal.
- d) To visualize part-to-whole relationships.

**Answer: c) To indicate progress toward a specific goal.**

**Explanation:** Gauges represent a single value's progress toward a target.

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### 37. How can you apply sorting to visuals in Power BI?

- a) Use the Fields pane.
- b) Use the Visual Header options.
- c) Click on the ellipsis (...) in the visual and select Sort By.
- d) Enable Conditional Formatting.

**Answer: c) Click on the ellipsis (...) in the visual and select Sort By.**

**Explanation:** Sorting controls are accessible from the visual's options menu.

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### 38. What does the tooltip in a matrix visual display by default?

- a) Total row count.
- b) Cell-level data values.
- c) Column summaries.
- d) Data model details.

**Answer: b) Cell-level data values.**

**Explanation:** Tooltips in a matrix provide detailed values for the selected cell.

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### 39. Which visual is best suited for showing category rankings?

- a) Line chart
- b) Stacked bar chart
- c) Funnel chart
- d) Horizontal bar chart

**Answer: d) Horizontal bar chart**

**Explanation:** Horizontal bar charts are effective for comparing and ranking categorical data.

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### 40. What is the significance of the Matrix visual?

- a) It shows trends over time.
- b) It enables row and column grouping for multi-dimensional analysis.
- c) It compares data proportions.
- d) It displays numerical data across geographical locations.

**Answer: b) It enables row and column grouping for multi-dimensional analysis.**

**Explanation:** Matrix visuals allow grouping by rows and columns, ideal for summarizing hierarchical data.

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### 41. Which Power BI visual is best for analyzing the progression of a metric over stages in a hierarchy?

- a) Decomposition tree
- b) Line chart
- c) Scatter plot
- d) Area chart

**Answer: a) Decomposition tree**

**Explanation:** The decomposition tree allows you to break down a metric by hierarchical levels dynamically, helping to analyze contributions and progressions.

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**42. What is the purpose of using the “Apply all slicers” button in Power BI?**

- a) To clear all slicer selections on a page.
- b) To synchronize slicer selections across all pages.
- c) To confirm slicer selections on multiple visuals.
- d) To apply slicer settings only to one visual.

**Answer: c) To confirm slicer selections on multiple visuals.**

**Explanation:** The "Apply all slicers" button ensures slicer selections are applied simultaneously across multiple visuals for consistent filtering.

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**43. How does the AI Insights feature in Power BI help users?**

- a) By automating data imports.
- b) By applying machine learning models to data.
- c) By integrating visuals with SQL queries.
- d) By suggesting data transformations.

**Answer: b) By applying machine learning models to data.**

**Explanation:** AI Insights integrates advanced analytics, such as detecting anomalies or running pre-trained machine learning models directly on data.

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**44. What is the purpose of the "Drill mode" toggle in a visual?**

- a) To enable synchronized filtering.
- b) To allow navigation across report pages.
- c) To drill down or up through hierarchical data in a visual.
- d) To optimize the report for mobile layout.

**Answer: c) To drill down or up through hierarchical data in a visual.**

**Explanation:** Drill mode enables users to explore data at different levels of a hierarchy, such as Year → Quarter → Month.

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**45. How can you create a dynamic title for a visual in Power BI?**

- a) Use a custom DAX measure.
- b) Create a tooltip with a calculated column.
- c) Use the “Fields” pane to modify the title.
- d) Apply row-level security filters.

**Answer: a) Use a custom DAX measure.**

**Explanation:** A dynamic title is created using a DAX measure that outputs a text value based on data or slicer selections, and it's applied in the title settings.

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#### **46. What does enabling "Row Subtotals" in a Matrix visual achieve?**

- a) It adds a calculated column.
- b) It displays totals for each row group.
- c) It applies filters automatically to rows.
- d) It enables hierarchical grouping.

**Answer: b) It displays totals for each row group.**

**Explanation:** Row subtotals summarize values within row groups, providing aggregated insights.

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#### **47. How can you link Power BI reports across multiple dashboards?**

- a) By using custom URL links in buttons.
- b) By enabling drill-through filters.
- c) By integrating Power BI with DAX Studio.
- d) By applying field parameters.

**Answer: a) By using custom URL links in buttons.**

**Explanation:** Custom URL links added to buttons or text boxes can link users to specific reports, dashboards, or external resources.

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#### **48. Which feature is most effective for identifying outliers in a dataset?**

- a) KPI Visual
- b) Scatter Plot with AI Insights
- c) Stacked Column Chart
- d) Treemap

**Answer: b) Scatter Plot with AI Insights**

**Explanation:** Scatter plots, combined with AI Insights, highlight outliers and anomalies using advanced statistical methods.

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#### **49. What is the purpose of using the mobile layout view in Power BI?**

- a) To enhance interactivity between visuals.
- b) To optimize the dashboard for smaller screens.

- c) To create drill-through pages.
- d) To export reports in mobile format.

**Answer: b) To optimize the dashboard for smaller screens.**

**Explanation:** The mobile layout view lets you adjust the arrangement of visuals for better viewing on mobile devices.

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## **50. How does the Power BI Performance Analyzer help in improving reports?**

- a) By summarizing the overall dataset statistics.
- b) By providing recommendations for enhancing report visuals.
- c) By measuring the performance of individual visuals and identifying bottlenecks.
- d) By exporting visuals into optimized formats.

**Answer: c) By measuring the performance of individual visuals and identifying bottlenecks.**

**Explanation:** The Performance Analyzer tracks the time taken by visuals to render, enabling optimization by identifying slow-loading visuals or queries.