



Power BI

# Interview Questions





iNeuron Intelligence Pvt Ltd

1) What is a Ribbon Chart and when would you use it?

Ans. A Ribbon Chart in Power BI is a stacked area chart that visualizes data distribution over time, useful for showing the proportion of categories within a whole.

2) What are the benefits of Combo Charts ?



Ans. When you have a line chart and a column chart with the same X axis.

To compare multiple measures with different value ranges.

To illustrate the correlation between two measures in one visual.

To check whether one measure meets the target which is defined by another measure.

To conserve canvas space.

3) How Donut Chart and Pie Chart are similar?

Ans. Doughnut charts are similar to pie charts. They show the relationship of parts to a whole. The only difference is that the center is blank and allows space for a label or icon.



iNeuron Intelligence Pvt Ltd

---

### **Question Based on Scenario:**

4) Your data source includes text data. How can you use Power Query to clean and transform this unstructured data for analysis?

Ans. **Step 1:** Connect to Data Source:

**Step 2:** Load Data into Power Query:

**Step 3:** Text-to-Columns:

If your text data contains structured information separated by delimiters (commas, tabs, etc.), you can use the "Split Column" feature to split it into separate columns.

**Step 4:** Remove Unnecessary Columns:

If there are columns that are not needed for analysis, remove them.

**Step 5:** Remove Duplicates:

If there are duplicate rows, use the "Remove Duplicates" feature to clean the data.

**Step 6:** Trim and Clean Text:

Use functions like Text.Trim() and Text.Clean() to remove leading/trailing spaces and clean up special characters.

**Step 7:** Transform Case:

Use functions like Text.Upper(), Text.Lower() to standardize the case of text.

**Step 8:** Replace Values:

Use Replace Values to replace specific text values with others.

**Step 9:** Conditional Columns:

Use conditional columns to create new columns based on specific conditions within the text data.

**Step 10:** Split Columns Based on Patterns:

If your text data follows a pattern, use the "Split Column by Delimiter" or "Split Column by Number of Characters" feature.

**Step 11:** Custom Columns:

Use the "Add Column" tab to create custom columns with calculated expressions to derive insights from the text data.

**Step 12:** Data Type Formatting:

Ensure that columns have the correct data types for analysis (e.g., Date, Text, Whole Number).

**Step 13:** Preview Data:

Regularly preview the data to ensure that the transformations are achieving the desired results.

**Step 14:** Close and Apply:

Once you're satisfied with the transformations, click "Close & Apply" to apply the changes and load the cleaned data into your Power BI model.



iNeuron Intelligence Pvt Ltd

---

### **Question Based on Dax Formula :**

5) How would you write Dax formula for revenue generated for table named sales\_book ?

Ans. Revenue = Sum ('sales\_book'[Total Sales])

6) How would you write Dax formula for average sales generated in the last month?

Ans. Average\_Sales = AVERAGE('sales\_book'[Sales])

7) Write Dax formula for sum of sales?

Ans. Revenue = Sum('sales\_book' [Total Sales])

8) Write a Dax formula for creating a measure showing the sum of profit?

Ans. TotalProfit = SUMX (Sales, Sales [Profit])

9) Write a Dax formula for creating a measure showing loss?

Ans. Loss = [Revenue] - [Cost]

10) You're working with sales data from multiple regions. How would you create a report that displays a trend analysis?

Ans. **Step 1:** Import data.

**Step 2:** Data Transformation and modelling

**Step 3:** Create Relationship

**Step 4:** Design Reports

**Step 5:** Analyze trends.

**Step 6:** Customs & Refine

**Step 7:** Dashboard Creation

**Step 8:** Share



iNeuron Intelligence Pvt Ltd

11) A client requires a geographic analysis of their sales data. How would you visualize this data using maps and location-based insights?

Ans. Utilize the "Map" visual to show sales data by location. Incorporate geographic data, such as country or city names, and use color intensity or size of data points to represent sales values. Leverage the "Filled Map" or "Shape Map" for regional insights. Apply filters or slicers for interactivity, allowing users to focus on specific regions or time frames.

12) What observation we can get from the above line chart ?



Ans. The above line Chart represents This year and Last year sales by Fiscal month and the conclusion we can get from it is around July month this year we saw a dip in sales whereas previous year sales shows rise in the same month. Also this year sales shows major ups and downs.



iNeuron Intelligence Pvt Ltd

---

13) What are Capacities in Power Bi?

- a) Set of resources
- c) Workspace

- b) Data Tab
- d) model

Ans. a) Set of resources

14) What is a Semantic model in Power Bi?

- a) Workspace
- c) Database

- b) Data Model
- d) Data Element

Ans. b) Data model

15) What is a Data model in Power Bi?

- a) logical representation of how data is structured and related within the tool
- b) Data structure
- c) Database

- d) Data Element

Ans. a) logical representation of how data is structured and related within the tool

16) What is a Star Schema in Power Bi?

- a) Data Modelling Method
- c) Data Structure

- b) Relation between tables
- d) Data Element

Ans. a) Data Modelling Method

17) What is a Fact Table in Power Bi?

- a) Table containing rows and Column
- b) Relation between tables
- c) Table containing specific events, measurements
- d) Table containing additional events

Ans. c) Table containing specific events, measurements additional events



iNeuron Intelligence Pvt Ltd

---

18) What is a Dimension Table in Power Bi?

- a) Table containing rows and Column
- b) Relation between tables
- c) Table containing specific events, measurements
- d) Table containing

19) What is Primary Key?

- a) whose values uniquely identify a row in the table tables
- b) Relation between
- c) whose values corresponds to a value of primary key column
- d) Whose value is distinct

Ans. a) whose values uniquely identify a row in the table

20) What is Alternative Key?

- a) whose values uniquely identify a row in the table
- b) Relation between tables
- c) whose values corresponds to a value of primary key column
- d) Whose value is distinct

Ans. c) whose values corresponds to a value of primary key