
















**1. A data analyst is working on a visualization that needs to be updated twice a day with a currency's monetary value. How would they benefit from using a cloud-based visualization tool?**

-  The data analyst can add a link to a trustworthy website for the user to search for the currency's value.
  -  The data analyst can write specific instructions on how to obtain the currency's value.
  -  The data analyst can use the cloud tool's setup to find the currency's value.
  -  **The data analyst can integrate the visualization with a trustworthy public dataset to obtain the currency's value in real time.**  
 *Cloud tools allow real-time data integration, ensuring the visualization stays current without manual updates.*
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**2. A cloud data analyst is creating a visualization that will allow their stakeholders to make basic table calculations and create some forecasts. What type of permission should the cloud data analyst set for the stakeholders?**

-  **User**  
 *User permissions allow stakeholders to interact with data, perform calculations, and explore visualizations without editing the underlying structure.*
  -  Developer
  -  Viewer
  -  Admin
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**3. A data analyst is using dataset column labels to help them understand the content of each column. What are they doing?**

-  **Exploring the data**  
 *Exploration involves inspecting data structure, labels, and values to understand what the dataset contains.*
  -  Ingesting the data
  -  Cleaning the data
  -  Deduplicating the data
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**4. What type of attributes help data professionals comprehend the essential nature of their data?**

- ☐ Space, quantity, delivery, and adequacy
  - ☐ Length, quality, detail, and correctness
  - ☐ Structure, amount, design, and adequacy
  - ☒ **Size, quantity, distribution, and accuracy**
- ☐ *These attributes help analysts assess the scope and reliability of the dataset.*
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**5. A cloud data analyst is tasked with the creation of a report for a party store. The owner wants to visualize all the existing combinations of balloon types and colors for the balloons currently in inventory. The dataset they are using has the following data model: item\_number, type, color, location, stock, and price. Which dimensions should the cloud data analyst use to answer the question?**

- ☐ Type and stock
  - ☐ Stock and color
  - ☐ Color and price
  - ☒ **Type and color**
- ☐ *Dimensions describe categorical attributes. "Type" and "Color" are ideal for showing combinations.*
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**6. You are creating a report for a pet store, and you need to model the data to show only the products available for pet fish. What is the best way to model the data?**

- ☒ **Filter the data**
- ☐ *Filtering allows you to isolate specific subsets of data, such as products for pet fish.*
- ☐ Deduplicate the data
  - ☐ Blend the data
  - ☐ Use aggregation
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**7. Which modeling data process allows you to summarize and average the data?**

- ☒ **Aggregation**
- ☐ *Aggregation includes operations like sum, average, count, min, and max to summarize data.*
- ☐ Blending
  - ☐ Filtering
  - ☐ Summarization

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**8. What is the name of the process that combines multiple data sources to create a single report visualization?**

- ☐ Data merge
- ☐ Data modification
- ☐ Data aggregation
- ☒ **Data blending**  
☐ *Blending allows you to integrate data from different sources into one visualization.*

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**9. You are preparing a report for the sales department using data blending. Which of the following is a step you should take?**

- ☐ Calculate the average of the sales.
- ☐ Create a new dataset.
- ☒ **Join the dataset by using a common column.**  
☐ *Joining datasets via a common column is essential for blending and aligning data correctly.*
- ☐ Filter the data per each sales team.

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**10. A cloud data analyst needs to create a visualization that allows the marketing department to visualize and interact with up-to-date data for different marketing campaigns. What type of visualization should the cloud data analyst create?**

- ☐ A data report
- ☐ A website
- ☒ **A dashboard**  
☐ *Dashboards are interactive and can be updated in real time, making them ideal for ongoing campaign tracking.*
- ☐ A social media graphic