Module 4 Challenge Quiz

- 1. A cloud data analyst is analyzing names and descriptions of data assets. What feature are they using?
- **A.** Self-service analytics
- **☑** B. Metadata management
- C. Data cataloging
- **D.** Performance optimization
- Feedback:

Metadata management helps analysts understand data assets by providing descriptive information like names, descriptions, and history.

- 2. In which analytics approach are visualizations created by analysts or developers for specific business needs?
- **☑** A. Guided analytics
- **B.** Business analytics
- C. Developer analytics
- **D.** Self-guided analytics
- Feedback:

Guided analytics involves expert-created dashboards and reports tailored to business questions.

- 3. What technique allows analysts to work with a manageable portion of a large dataset?
- A. Data visualization
- **☑** B. Data sampling
- C. Data aggregation
- **D.** Data blending
- Feedback:

Data sampling enables analysts to explore a representative subset of a large dataset to understand its structure and characteristics.

4. How can a cloud data analyst find clothing items with total annual sales over \$10,000?

- **A.** Filter using: total_annual_sales = \$10,000
- C. Count items with sales over \$10,000
- **D.** Filter using: quantity $\geq $10,000$

Feedback:

To find items above a threshold, use a greater than or equal to (≥) filter on the relevant field.

5. What is it called when a user explores data from general to granular levels?

- A. Drill dimensions
- ☑ B. Drill down
- **C.** Drill through
- **D.** Drill up

Feedback:

Drill down allows users to move from summary-level data to more detailed views (e.g., year \rightarrow month \rightarrow day).

6. A dashboard is configured to update every five minutes. What feature is being used?

- **A.** Easy configuration
- **B.** Time-sensitive data
- C. Automatic refreshing
- **D.** Alerting

Feedback:

Automatic refreshing ensures the dashboard updates at regular intervals without manual input.

7. What strategy supports solid data governance?

- **A.** Control datasets and analysis methods
- **B.** Foster collaboration and share resources
- C. Define and assign user roles and responsibilities
- **D.** Help teams understand data insights

Feedback:

Assigning **roles and permissions** ensures secure and appropriate access to data, a key part of **data governance**.

8. What type of analytics allows users to interact directly with data?

- A. Guided analytics
- **B.** Traditional analytics
- C. Self-service analytics
- **D.** Ad-hoc analysis

Feedback:

Self-service analytics empowers users to explore and analyze data without relying on data teams.

9. How can a cloud data analyst find brands with an average price under \$20?

- **A.** Count brands then filter by price < \$20
- B. Filter rows by price then calculate average by brand
- C. Group rows by price then calculate average
- ☑ D. Group rows by brand and filter where average price < \$20

Feedback:

To filter by **aggregated values**, group by the relevant dimension (brand) and apply the filter **after** calculating the average.

10. What is it called when a user navigates from one visualization to related visualizations?

- ✓ A. Drill through
- **B.** Drill next
- C. Drill up
- D. Drill down

Feedback:

Drill through allows users to jump to related dashboards or reports, often pre-filtered for deeper insights.