1. Benefit of Cloud Resources in Data Analysis

Question:
What is a benefit of using cloud resources and tools in data analysis?

- ❌ With cloud resources and tools, data analysts have the ability to duplicate the data.
- ❌ With cloud resources and tools, data analysts can access data silos.
- ✅ **With cloud resources and tools, data analysts have the ability to access a greater variety of data sources.**
- ❌ With cloud resources and tools, data analysts can isolate their visualizations.

Feedback:
Cloud tools allow access to **diverse internal, external, and public datasets**, enhancing analysis and storytelling.

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2. Visualization Planning Workflow

Question:
While planning your visualization, you consider how your audience will interact with the data and what they expect from their interactions. What part of the visualization planning workflow are you considering?

- ✅ **Digital consumption**
- ❌ User satisfaction
- ❌ Digital reliability
- ❌ User interference

Feedback:
Digital consumption refers to how users engage with data across devices and platforms, influencing design choices.

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3. Principles for Accessible and Usable Visualizations

Question:
Taylor is working on making visualizations accessible and easy to use. Which principles is Taylor applying?
Select two answers.

- ❌ User engagement

- ❌ User platform
- ✅ **User interface**
- ✅ **User experience**
- ❌ User involvement

Feedback:
UI and UX are key to designing visualizations that are intuitive, inclusive, and effective for all users.

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4. Purpose of Usability Study

Question:
What does a cloud data analyst learn from a usability study?

- ❌ The workflow of developing content for users
- ❌ The users' personal profiles
- ✅ **The users' needs**
- ❌ The datasets to use in user-facing content

Feedback:
Usability studies help identify **user goals, preferences, and pain points**, guiding design decisions.

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5. Design Factor for Device Compatibility

Question:
You are planning your visualization for desktop or mobile use. Which design factor are you considering?

- ❌ Feedback
- ✅ **Access**
- ❌ Documentation
- ❌ Technicals

Feedback:
Access refers to how users will view and interact with the visualization across different devices.

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6. Principle to Avoid Clutter

Question:
What principle should you keep in mind to avoid cumbersome and overcrowded dashboards?

- ❌ Standardization
- ❌ Usability and accessibility
- ❌ Color palette
- ✅ **Simplicity and clarity**

Feedback:
Simplicity and clarity ensure that dashboards are clean, focused, and easy to navigate.

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7. Characteristics of Clear Dashboards

Question:
Which of the following characteristics should the dashboard have to be clear and consistent?

- ❌ Bars that use the same color
- ✅ **Meaningful title and labels**
- ❌ Legends included in the appendix
- ❌ Bars that are wider than other bars

Feedback:
Descriptive titles and labels help users quickly understand what the chart shows and how to interpret it.

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8. Data Held by One Group

Question:
What type of data storage is held by one group in the organization?

- ❌ Data Warehouse
- ✅ **Data silo**
- ❌ Database
- ❌ Visualization

Feedback:
A **data silo** is isolated data controlled by one team, limiting collaboration and insight sharing.

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9. Sensitive Data

Question:
What data should not be accessible to everyone and must be handled with exceptional care?

- ❌ Gross earnings
- ✅ **Personally identifiable information**
- ❌ Taxable information
- ❌ Product price information

Feedback:
PII (e.g., names, contact info) must be protected to ensure privacy and comply with data regulations.

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10. Designing Dashboard Technical Sequence

Question:
What part of the dashboard is the cloud data analyst designing?
Select multiple answers.

- ❌ Feedback inclusion
- ❌ Documentation
- ✅ **User interaction**
- ✅ **Workflow**

Feedback:
Workflow and user interaction are technical aspects that define how users navigate and engage with the dashboard.