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### CompTIA DA0-002 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>• Visualization: This section of the exam measures skills of a Data Visualisation Specialist and focuses on turning raw data into clear, visual insights. It teaches how to match visual formats like bar charts, heat maps, and line graphs to specific audiences and needs. Candidates must understand how to create dashboards and reports using proper design elements such as labels, layout, branding, and colour schemes. This section also includes best practices for dashboard development and delivery through various platforms and user access levels.</li></ul>

Topic 2	<ul style="list-style-type: none"> <li>This section of the exam measures skills of a Data Governance Associate and introduces principles for keeping data secure, accurate, and compliant. It covers access controls, encryption, classification of sensitive data like PII and PHI, and legal requirements tied to data use. Candidates must know how to apply quality checks, validate data, and manage master data effectively. It also addresses best practices for maintaining integrity through data dictionaries, audits, and standardisation processes.</li> </ul>
Topic 3	<ul style="list-style-type: none"> <li>5.0 Data Governance, Quality, and Controls</li> </ul>
Topic 4	<ul style="list-style-type: none"> <li>Data Analysis: This section of the exam measures skills of a Reporting Analyst and includes foundational knowledge of statistical methods such as averages, variances, and standard deviation. It covers how to use data to find patterns, track performance, and make predictions. This domain also introduces hypothesis testing, regression, correlation, and different types of analysis like exploratory and trend analysis. Candidates should also be aware of common tools used for analysis, including Excel, SQL, Python, R, and popular BI platforms like Tableau and Power BI.</li> </ul>

## CompTIA Data+ Exam (2025) Sample Questions (Q112-Q117):

### NEW QUESTION # 112

A data analyst needs to identify outliers from a given dataset. Which of the following visualizations is the best way to identify outliers?

- A. Waterfall chart
- B. Scatter plot
- C. Box plot
- D. Gantt chart

**Answer: C**

Explanation:

This question falls under the Visualization and Reporting domain, focusing on selecting the appropriate visualization to identify outliers in a dataset.

\* Box plot (Option A): A box plot displays the distribution of data, including the median, quartiles, and outliers (data points beyond the whiskers), making it the best choice for identifying outliers.

\* Scatter plot (Option B): A scatter plot shows relationships between two variables, and while outliers may be visible, it's not specifically designed for outlier detection.

\* Gantt chart (Option C): Gantt charts are for project scheduling, not suitable for outlier identification.

\* Waterfall chart (Option D): Waterfall charts show cumulative changes (e.g., financial contributions), not designed for outlier detection.

The DA0-002 Visualization and Reporting domain emphasizes "translating business requirements to form the appropriate visualization," and a box plot is the standard visualization for identifying outliers.

Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 4.0 Visualization and Reporting.

### NEW QUESTION # 113

Which of the following tables holds relational keys and numeric values?

- A. Dimensional
- B. Transactional
- C. Graph
- D. Fact

**Answer: D**

Explanation:

This question falls under the Data Concepts and Environments domain, focusing on understanding table types in data warehousing. The task is to identify a table that holds relational keys and numeric values, typically used in a star schema.

\* Fact (Option A): Fact tables in a star schema store quantitative data (numeric values, e.g., sales amounts) and foreign keys (relational keys) linking to dimension tables, making this the correct choice.

\* Graph (Option B): Graph tables are used in graph databases for relationships (e.g., nodes, edges), not typically for relational keys and numeric values in a traditional sense.

\* Dimensional (Option C): Dimension tables store descriptive attributes (e.g., product names) and primary keys, not typically numeric measures.

\* Transactional (Option D): Transactional tables are used in OLTP systems and may contain numeric values, but they're not specifically designed for relational keys in a data warehousing context.

The DA0-002 Data Concepts and Environments domain includes understanding "data schemas and dimensions," and fact tables are designed to hold relational keys and numeric values in a data warehouse.

Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 1.0 Data Concepts and Environments.

#### NEW QUESTION # 114

A data analyst wants to understand several datasets at the variable level. Which of the following should the analyst consult to find this information?

- A. Data dictionary
- B. Data flow diagram
- C. Data lineage
- D. Data versioning

**Answer: A**

Explanation:

This question pertains to the Data Concepts and Environments domain, focusing on documentation for understanding datasets. The analyst needs variable-level details (e.g., field definitions), which points to a specific type of documentation.

\* Data lineage (Option A): Data lineage tracks data flow and transformations, not variable definitions.

\* Data dictionary (Option B): A data dictionary provides detailed information about variables (e.g., name, type, description), which is exactly what the analyst needs.

\* Data flow diagram (Option C): A data flow diagram shows data movement, not variable-level details.

\* Data versioning (Option D): Data versioning tracks changes to datasets, not variable definitions.

The DA0-002 Data Concepts and Environments domain includes understanding "data schemas and dimensions," and a data dictionary is the primary tool for variable-level information.

Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 1.0 Data Concepts and Environments.

#### NEW QUESTION # 115

The human resources department wants to know the number of employees who earn \$125,000 or more.

However, the department is concerned about duplicates in the dataset. Given the following table:

Employee_ID	Level	Salary
001	1	10000
002	2	20000
003	2	256000
004	2	125000
001	1	10000
002	2	20000

Which of the following SQL statements resolves this issue?

- A. `SELECT DISTINCT Employee_ID FROM Employee WHERE Salary > 125000`

- B. SELECT COUNT(DISTINCT Employee\_ID) FROM Employee WHERE Salary >= 125000
- C. SELECT COUNT(Employee\_ID) FROM Employee WHERE Salary >= 125000
- D. SELECT DISTINCT Employee\_ID FROM Employee WHERE Salary >= 125000

**Answer: B**

Explanation:

This question falls under the Data Analysis domain, focusing on SQL queries to handle duplicates while counting employees. The task is to count unique employees with a salary of \$125,000 or more, addressing duplicates in the dataset.

\* Option A: SELECT DISTINCT Employee\_ID FROM Employee WHERE Salary >= 125000 This lists unique Employee\_IDs but doesn't provide a count, which the department needs.

\* Option B: SELECT COUNT(DISTINCT Employee\_ID) FROM Employee WHERE Salary >= 125000 This counts unique Employee\_IDs (using DISTINCT) with a salary of \$125,000 or more, correctly addressing duplicates and providing the required count (2 employees: 003 and 004).

\* Option C: SELECT DISTINCT Employee\_ID FROM Employee WHERE Salary > 125000 This lists unique Employee\_IDs with a salary strictly greater than \$125,000 (missing 004), and doesn't provide a count.

\* Option D: SELECT COUNT(Employee\_ID) FROM Employee WHERE Salary >= 125000 This counts all rows without addressing duplicates, resulting in an incorrect count (2 rows, but only 2 unique employees).

The DA0-002 Data Analysis domain includes "applying the appropriate descriptive statistical methods using SQL queries," and COUNT(DISTINCT) is the correct method to count unique employees while handling duplicates.

Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 3.0 Data Analysis.

### NEW QUESTION # 116

A database administrator needs to implement security triggers for an organization's user information database. Which of the following data classifications is the administrator most likely using? (Select two).

- A. Encrypted
- B. Open
- C. Non-Sensitive
- D. Public
- E. Sensitive
- F. Private

**Answer: E,F**

Explanation:

This question pertains to the Data Governance domain, focusing on data classification for security purposes.

User information databases typically contain personal data, and security triggers (e.g., alerts for unauthorized access) require classifying data to determine protection levels.

\* Public (Option A): Public data is openly accessible (e.g., company brochures), not suitable for user information requiring security triggers.

\* Open (Option B): Open isn't a standard data classification; it's similar to public and not applicable here.

\* Sensitive (Option C): Sensitive data includes information that, if exposed, could cause harm (e.g., user emails, roles), which fits user information and warrants security triggers.

\* Non-Sensitive (Option D): Non-sensitive data doesn't require protection, so it wouldn't need security triggers.

\* Private (Option E): Private data includes PII (e.g., names, addresses) in user information databases, requiring security measures like triggers to protect against breaches.

\* Encrypted (Option F): Encrypted refers to a data state, not a classification; data can be classified as private or sensitive and then encrypted.

The DA0-002 Data Governance domain includes "data quality control concepts," such as classifying data to apply appropriate security measures. Sensitive and private classifications are most relevant for user information.

Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 5.0 Data Governance.

### NEW QUESTION # 117

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