

New Analytics-Con-301 Exam Question & Analytics-Con-301 Exam Exercise

MIS 301 Exam 2

Database - correct answer ✓ if it is well-designed and well-managed, it is an extremely valuable tool in supporting decision making

- Links the hardware/software to the user

Data - correct answer ✓ the link or bridge between the computer components (hardware, software, procedures) and people

Data Management - correct answer ✓ an organization can not successfully complete most business activities without data and the ability to process it; data consists of raw facts

- must be organized in a meaningful way to transform into useful information
- managing all incoming and outgoing digits

Data Management Difficulties - correct answer ✓ - data increases exponentially with time

- data is collected throughout the organization and are collected by many individuals using various methods and devices

- data is generated from multiple sources (internal/personal/external)

- data degrades over time

- data rot (problems with media data is stored on)

Sources of Data Collection - correct answer ✓ credit card swipes, emails, digital video, RFID tags, blogs, surveillance videos, radiology scans

- Internal Sources: corporate databases, company documents

- Personal Sources: thoughts, opinions, and experiences

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It is inevitable that people would feel nervous when the Analytics-Con-301 exam is approaching, but the main cause of the tension is most lies with lacking of self-confidence. Our Software version of Analytics-Con-301 exam questions provided by us can help every candidate to get familiar with the Real Analytics-Con-301 Exam, which is meaningful for you to take away the pressure and to build confidence in the approach. If you have had the confidence in yourself so that you have won the first step on the road to success.

Salesforce Analytics-Con-301 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">• Data Analysis: This domain targets Tableau Consultants to plan and prepare data connections effectively. It includes recommending data transformation strategies, designing row-level security (RLS) data structures, and implementing advanced data connections such as Web Data Connectors and Tableau Bridge. Skills in specifying granularity and aggregation strategies for data sources across Tableau products are emphasized.

Topic 2	<ul style="list-style-type: none"> • Data Management: This part focuses on establishing governance and support for published content. Tableau Consultants are expected to manage data security, publish and maintain data sources and workbooks, and oversee content access. It includes applying governance best practices, using metadata APIs, and supporting administration functions to maintain data integrity and accessibility.
Topic 3	<ul style="list-style-type: none"> • Data Visualization: This section evaluates the Tableau Consultant's ability to design effective visual analytics solutions. It involves creating dashboards and visual reports that enhance user understanding, employing techniques like dynamic actions and advanced chart types, and ensuring performance optimization for an interactive user experience.
Topic 4	<ul style="list-style-type: none"> • Business Consulting: For Tableau Consultants, this section involves designing and troubleshooting calculations and workbooks to meet advanced analytical use cases. It covers selecting appropriate chart types, applying Tableau's order of operations in calculations, building interactivity into dashboards, and optimizing workbook performance by resolving resource-intensive queries and other design-related issues.

>> New Analytics-Con-301 Exam Question <<

Analytics-Con-301 Exam Exercise, Analytics-Con-301 Exam Introduction

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Salesforce Certified Tableau Consultant Sample Questions (Q57-Q62):

NEW QUESTION # 57

A stakeholder has multiple files saved (CSV/Tables) in a single location. A few files from the location are required for analysis. Data transformation (calculations) is required for the files before designing the visuals. The files have the following attributes:

- . All files have the same schema.
- . Multiple files have something in common among their file names.
- . Each file has a unique key column.

Which data transformation strategy should the consultant use to deliver the best optimized result?

- A. Use join option to combine/merge all the files together before doing the data transformation (calculations).
- B. Apply the data transformation (calculations) in each require file and do the join to combine/merge before designing the visuals.
- **C. Use wildcard Union option to combine/merge all the files together before doing the data transformation (calculations).**
- D. Apply the data transformation (calculations) in each require file and do the wildcard union to combine /merge before designing the visuals.

Answer: C

Explanation:

Moving calculations to the data layer and materializing them in the extract can significantly improve the performance of reports in Tableau. The calculation $ZN([Sales]) * (1 - ZN([Discount]))$ is a basic calculation that can be easily computed in advance and stored in the extract, speeding up future queries. This type of calculation is less complex than table calculations or LOD expressions, which are better suited for dynamic analysis and may not benefit as much from materialization^{1,2}.

References: The answer is based on the best practices for creating efficient calculations in Tableau, as described in Tableau's official documentation, which suggests using basic and aggregate calculations to improve performance¹. Additionally, the process of materializing calculations in extracts is detailed in Tableau's resources².

Given that all files share the same schema and have a common element in their file names, the wildcard union is an optimal approach to combine these files before performing any transformations. This strategy offers the following advantages:

Efficient Data Combination: Wildcard union allows multiple files with a common naming scheme to be combined into a single dataset in Tableau, streamlining the data preparation process.

Uniform Schema Handling: Since all files share the same schema, wildcard union ensures that the combined dataset maintains

consistency in data structure, making further data manipulation more straightforward.

Pre-Transformation Combination: Combining the files before applying transformations is generally more efficient as it reduces redundancy in transformation logic across multiple files. This means transformations are written and processed once on the unified dataset, rather than repeatedly for each individual file.

References:

Wildcard Union in Tableau: This feature simplifies the process of combining multiple similar files into a single Tableau data source, ensuring a seamless and efficient approach to data integration and preparation.

NEW QUESTION # 58

A business analyst needs to create a view in Tableau Desktop that reports data from both Excel and MSSQL Server. Which two features should the business analyst use to create the view? Choose two.

- A. Union
- B. Data Blending
- C. Relationships
- D. Cross-Database Joins

Answer: C,D

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

To combine Excel and SQL Server data in the same logical data model, Tableau offers two supported capabilities:

Relationships

- * Recommended modern method for combining tables from multiple sources.
- * Supports cross-database relationships between Excel and SQL Server.
- * Maintains separate physical layers but integrates data at query time.

Cross-Database Joins

- * Allows joining data from different databases in the physical layer.
- * Fully supported for Excel + MS SQL Server.
- * Useful when granular row-level merging is needed.

Why the other options are incorrect:

C). Data Blending

- * Legacy feature, used only when no direct combination is possible.
- * Tableau recommends relationships instead.
- * Produces separate queries and may lose row-level detail.

D). Union

- * Requires tables to have equivalent structure.
- * Cannot union Excel with SQL Server unless identical column structure exists.
- * Not appropriate for most mixed-source reporting.

Therefore, the correct techniques are Relationships and Cross-Database Joins.

- * Tableau data modeling documentation recommending Relationships for multi-source modeling.
- * Cross-database join support list including Excel + SQL Server.

NEW QUESTION # 59

A client's dashboard has two sections dedicated to their shops and warehouses shown when a viewer chooses either shops or warehouses with a parameter.

There are a few quick filters that apply to both, while others apply to only shops or only warehouses.

Currently, the quick filters are all shown at the left side of the dashboard. The client wants to hide all filters, but when shown, make it easy for the viewer to find the quick filters that work for only shops or only warehouses.

Which solution should the consultant recommend that meets the client's needs and is most user-friendly?

- A. Divide the quick filters into three groups: General, for shops. Place the general filters on the left of dashboard for warehouses. Place other filters next to the sections to which they apply.
- B. Use Dynamic Zone Visibility to show only the quick filters that apply with the chosen parameter value and a Show/Hide Button to hide container with all the filters.
- C. Use Dynamic Zone Visibility to inform viewers which quick filters apply to warehouses or shops.
- D. Hide container with all quick filters with a Show/Hide Button.

Answer: B

Explanation:

The most user-friendly solution is to use Dynamic Zone Visibility in combination with a Show/Hide Button. This approach allows the dashboard to dynamically display only the relevant quick filters based on the viewer's selection of shops or warehouses, thus reducing clutter and focusing the user's attention on applicable filters. The Show/Hide Button further enhances the user experience by allowing viewers to toggle the visibility of the filter container, providing a clean and organized dashboard interface¹.

References: Dynamic Zone Visibility is a feature in Tableau that enables dashboard elements to appear or disappear based on the value of a field or parameter¹. This functionality is ideal for creating interactive and user-friendly dashboards that adapt to user interactions and selections¹.

NEW QUESTION # 60

A consultant is creating a dashboard to report on hourly sales data. The data should be refreshed hourly and is used for timely decision-making, so it is important to alert dashboard viewers when data has not been refreshed.

Which feature of Tableau Catalog should the consultant use to ensure dashboard viewers understand this message?

- A. High Visibility Data Quality Warning
- B. Certified Data Source
- C. Lineage
- D. Standard Visibility Data Quality Warning

Answer: A

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

Tableau Catalog provides multiple features for communicating data quality and freshness.

Data Quality Warnings (DQWs) are part of Catalog's metadata management system and are specifically designed to inform users about data issues, including when data is stale.

There are two visibility levels:

1. Standard Visibility Data Quality Warning

* Appears subtly in metadata panels.

* Intended for non-critical issues.

* Does not guarantee the message will be seen by dashboard viewers.

2. High Visibility Data Quality Warning

* Designed for urgent, critical, and highly visible alerts.

* Displays a prominent warning indicator directly on connected dashboards, data sources, and workbooks.

* Tableau documentation states high-visibility warnings are used when users must be alerted, such as:

* Stale data

* Incomplete refreshes

* Data outages

Because the question emphasizes:

"important to alert dashboard viewers when data has not been refreshed" A standard warning is not strong enough, but a High Visibility Data Quality Warning is explicitly designed for this scenario.

Evaluation of the choices:

A). Standard Visibility Data Quality Warning - Not sufficient

It does not force dashboard users to notice the warning.

B). High Visibility Data Quality Warning - Correct

This option is specifically meant to notify users of critical freshness issues, making it the perfect match for the requirement.

C). Certified Data Source - Incorrect

Certification communicates trustworthiness, not freshness or alerts.

D). Lineage - Incorrect

Lineage shows data relationships and dependencies, not refresh warnings.

Conclusion

To alert viewers about stale data in hourly-refreshed dashboards, the consultant must use a High Visibility Data Quality Warning.

References From Tableau Catalog Documentation

* Description of Data Quality Warnings and their visibility levels.

* Definition of High Visibility DQWs as critical alerts shown to dashboard viewers.

* Catalog guidelines for stale data detection and communication.

NEW QUESTION # 61

A client is searching for ways to curate and document data in order to obtain data lineage. The client has a data source connected to a data lake.

Which tool should the consultant recommend to meet the client's requirements?

- A. Tableau Catalog with Tableau Data Management Add-on
- B. Tableau Prep Conductor
- C. Tableau Catalog with Tableau Server Management Add-on
- D. Tableau Catalog without Tableau Data Management Add-on

Answer: A

Explanation:

To effectively curate and document data for obtaining data lineage, particularly from a data source connected to a data lake, the recommended tool is:

Tableau Catalog with Tableau Data Management Add-on: This add-on enhances the capabilities of Tableau Catalog, providing extensive features for data management, including detailed data lineage, impact analysis, and metadata management.

Functionality: The Tableau Catalog with the Data Management Add-on allows users to see the full history and lineage of the data, trace its usage across all Tableau content, and understand dependencies. It also facilitates better governance and transparency in data handling.

Why Choose this Tool: For a client needing comprehensive data lineage and documentation capabilities, this add-on ensures that data stewards and users can maintain and utilize a well-managed data environment. It supports robust data governance practices necessary for large and complex data ecosystems like those typically associated with data lakes.

References

The recommendation is based on the functionalities offered by the Tableau Data Management Add-on, as described in Tableau's official documentation on managing and documenting data sources for enhanced governance and operational efficiency.

NEW QUESTION # 62

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