DA0-001^{Q&As}

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QUESTION 1

A data analyst needs to create a data visualization that aids in un the cumulative impact of sequentially introduced values that are positive or negative. Which of the following data visualization methods should the analyst use?

A. A bubble chart

B. A waterfall chart

C. A scatter plot

D. A line chart

Correct Answer: B

Explanation: A waterfall chart is a type of data visualization that shows the cumulative impact of sequentially introduced values that are positive or negative. A waterfall chart typically has an initial value and a final value, with intermediate values shown as floating columns that either add to or subtract from the initial value. A waterfall chart can help visualize how different factors contribute to a net change in a value over time. Therefore, the correct answer is B. References: [Waterfall Chart | Definition and Examples - Investopedia], [Waterfall Charts in Excel | How to Create Waterfall Chart in Excel?] 4of30

QUESTION 2

A data analyst is working with a team to create a dashboard for a client who requires on- demand access. Which of the following is the best delivery method to support the clients\' requirement?

A. Email

B. Scheduled

C. Subscription

D. Static

Correct Answer: C

The best delivery method to support the client\'s requirement is C. Subscription. Short explanation: A subscription is a delivery method that allows the client to access the dashboard on-demand, whenever they need it. A subscription can be set up by the data analyst or the client themselves, and it can be configured to send an email notification when the dashboard is updated or refreshed. A subscription also allows the client to view the dashboard online or download it as a file format of their choice12 A. Email is not the best delivery method because it does not allow the client to access the dashboard on-demand. Email deliveries are sent at a fixed time or frequency, and they may not reflect the latest data or changes in the dashboard. Email deliveries also have limitations on the file size and format of the dashboard attachments1 B. Scheduled is not the best delivery method because it does not allow the client to access the dashboard on-demand. Scheduled deliveries are similar to email deliveries, except that they are triggered by a specific event or condition, such as a data update or a threshold value. Scheduled deliveries also have the same limitations as email deliveries on the file size and format of the dashboard attachments1

D. Static is not the best delivery method because it does not allow the client to access the dashboard on-demand. Static deliveries are one-time deliveries that are manually generated by the data analyst or the client. Static deliveries do not update or refresh automatically, and they may become outdated or irrelevant over time. Static deliveries also have limitations on the file size and format of the dashboard files3

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QUESTION 3

Five dogs have the following heights in millimeters:

300, 430, 170, 470, 600

Which of the following is the mean height for the five dogs?

A. 394mm

B. 405mm

C. 493mm

D. 504mm

Correct Answer: B

Explanation: The mean height for the five dogs is 405mm. The mean, or average, is a measure of central tendency that represents the sum of all values divided by the number of values. To calculate the mean height for the five dogs, we can

use the following formula:

Mean = (300 + 430 + 170 + 470 + 600) / 5 = 2020 / 5 = 404 We can round up the result to the nearest millimeter, which is 405mm. The other options are not correct, as they are either too high or too low than the actual mean. Reference:

[Mean - Math is Fun]

QUESTION 4

An analyst needs to provide a chart to identify the composition between the categories of the survey response data set:

Favorite color	Responses
Red	15
Blue	35
Green	25
Yellow	25
Total	100

Which of the following charts would be BEST to use?

A. Histogram

B. Pie

C. Line

D. Scatter pot

E. Waterfall

Correct Answer: B

Explanation: A pie chart is the best choice to show the composition between the categories of the survey response data set. A pie chart represents the whole with a circle, divided by slices into parts. Each slice shows the relative size of each category as a percentage of the total. A pie chart is useful when the categories are mutually exclusive and add up to 100%. The table shows the favorite color and the number of responses for each color, which can be easily converted into percentages. A pie chart can show how each color contributes to the total number of responses. Option A is incorrect because a histogram is used to show how data points are distributed along a numerical scale. The survey response data set is not numerical, but categorical. Option C is incorrect because a line chart is used to show trends or changes over time. The survey response data set does not have a time dimension. Option D is incorrect because a scatter plot is used to show the relationship between two numerical variables. The survey response data set does not have two numerical variables. Option E is incorrect because a waterfall chart is used to show how an initial value is increased or decreased by a series of intermediate values. The survey response data set does not have an initial value or intermediate values. References: How to Choose the Right Chart for Your Data - Infogram How to Choose the Right Data Visualization | Tutorial by Chartio Find the Best Visualizations for Your Metrics - The Data School How to choose the best chart or graph for your data

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QUESTION 5

An analyst is currently working on a ticket for revamping a company-wide dashboard that has been in use for five years. Which of the following should be the first step in the development process?

A. Talk to the group that made the request to determine the desired goal.

B. Make changes to a frequently used report that is already in production.

C. Build an additional dashboard with fewer views that are tailored toward each specific team.

D. Develop a more streanMined dashboard to roll out by the next delivery date.

Correct Answer: A

Explanation: The first step in the development process of revamping a company-wide dashboard should be to talk to the group that made the request to determine the desired goal. This would help to understand the needs, expectations, and preferences of the stakeholders, as well as the scope, purpose, and objectives of the project. Talking to the group that made the request would also help to establish a clear communication channel, build rapport and trust, and solicit feedback and suggestions.