Course challenge
Graded Quaz 1h 15m

The art and science of an effective Congratulations! You passed!
presentation

Graded Quaz 2h 15m

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Identify presentation skills and practices received \$60 UTSGade Dallenge higher

Caveats and limitations to data

Grade Latest \$ubmission To pass 80% or Go to next item higher

Listen, respond, and include Weekly challenge 4 Course wrap-up 1. Scenario 1, questions 1-9 Ourse wrap-up

To Quize Course challenge

To questions

You have been working as a junior data analyst at Bowling Green Business Intelligence for nearly a year. Your supervisor, Kale, Elberty Our assignment
Supervisor, Comparisor, Comparisor, Comparisor, Comparisor, Comparisor, Comparisor, Comparisor, Comparisor, Compariso You begin by getting together with your team to discuss the data story you want to tell. You know the first step in data storytelling is to engage your audience.

Chicke Chicker Report an issue
You use spotlighting to be Finding ideas or concepts that keep arising **⊘** Correct Determining the data's partiality Noticing repeated words or numbers **⊘** Correct Identifying connections or patterns **⊘** Correct 2. Scenario 1, continued 1/1 point Your team's analysis has revealed three key insights: 1. Electric vehicle sales demand is expected to grow by more than 400% by 2025. The number of publicly available vehicle charging stations is a significant factor in consumer buying decisions. Currently, there are many locations with so few charging stations that electric car owners would run out of power when traveling between stations. Vehicle battery range is also a significant factor for consumers. In 2020, the average battery range was 210
miles. However, the vast majority of survey respondents report they will not buy an electric car until the
battery range is at least 300 miles per charge. Fill in the blank: Based on these insights, you create a clear and direct _____, which will guide your data specific question primary message spotlight **⊘** Correct 3. Scenario 1, continued Next, you decide on your data narrative's characters, setting, plot, big reveal, and aha moment. During the narrative, you want to communicate to your stakeholders about the challenges associated with the current lack of vehicle charging stations and why it's important for Gaea to increase its cars' battery range by 2025. The setting of your data story will include information about charging stations, the need to increase battery range, and why it's important for Gaea to increase its cars' battery range. True ○ False 4. Scenario 1, continued Now, it's time to consider which tools to use to create data visualizations that will clearly communicate the results of your analysis. You and your team decide to make both spreadsheet charts and Tableau data visualizations. In addition, you want to provide them with a tool that will achieve the following goals: Organize multiple datasets about electric vehicle battery ranges into a central location Enable tracking and analysis of electric vehicle data Simplify data visualizations about the number of available charging stations using maps of the different geographies What tool do you create for your stakeholders? O Database Dashboard O Spreadsheet Algorithm 5. Scenario 1, continued Now that you have finished planning the data story with your team, it's time to create data visualizations. First, you consider electric vehicle sales worldwide in 2015 compared to 2020. You use a spreadsheet to create the following bar graph to compare the two values: Electric Vehicle Sales, 2015 Compared to 2020 720,000 3,100,000 You want to add a label to represent the scale (total count by year) of electric vehicle sales. Where on the graph do you label these values? The y-axis O The x-axis The vertical bars O The colors **⊘** Correct 6. Scenario 1, continued Scenario 1, continued Next, you explore how access to public car-charging stations is influencing electric vehicle purchases. As your analysis has revealed, there are many areas without enough places for people to plug in and charge their cars. This lack of charging stations has a negative impact on demand for electric cars and overall vehicle sales. You use Tableau to create the following draft of a Visualization, which organizes the charging station data geographically: Where People Can Charge Their Electric Cars, 2020 Number of charging stations by U.S. state © Maybox © OSM
© Zick i maybox or sypeniatre © Maybox © OSM Source: U.S. Department of Energy, Vehicle Technologies Office After reviewing your draft, you realize that it could be improved. To improve your draft, you select more varied hues, choose darker values, and make the color intensity stronger. This will also help clarify the spacing between the states. ○ True False 7. Scenario 1, continued Now, you want to highlight what your team's analysis discovered about the number of charging stations available compared to the number of cars purchased. Your data has confirmed that the lack of charging stations causes the effect of fewer car sales. To communicate this effectively, you will need to convey causation to the stakeholders. Fill in the blank: You explain that causation is when an action _____ an outcome. In the case of Gaea's business, causation can be used to discuss the relationship between lack of charging stations and fewer car sales. O prevents occurrence of O changes the timing of moves in relationship to directly leads to **⊘** Correct 8. Scenario 1, continued After creating data visualizations about the current state of the electric vehicle market, you turn to projections. You want to communicate to stakeholders about the importance of longer vehicle battery range to consumers. Your team analyzes data from a consumer survey that investigated the importance of longer battery range when choosing whether to purchase an electric car. The current average battery range is about 210 miles. By 2025, that distance is expected to grow to 450 miles per charge. You create the following pie chart: How Many Miles Per Charge Would You Require in Order to Purchase an Electric Vehicle? After reviewing your pie chart, you realize that it could be improved. How do you make this chart more effective? Remove the labels for the number of miles per charge consumers will require before purchasing an electric vehicle Add an x-axis and y-axis to provide additional explanation about the data Write a longer title to add more detail about the data the pie chart contains Resize the pie segments so they visually show the different values It's time to build your Tableau dashboard for stakeholders. You consider what type of layout to use. You decide that you want to be able to adjust the height of the views and the data visualizations about electric vehicle sales, charging stations, and battery range. Which type of layout will enable you to do that? O Circular layout Vertical layout O Diagonal layout O Horizontal layout **⊘** Correct 10. Scenario 2, questions 10-15 0.5 / 1 point You have created your narrative and visuals, so now it's time to build a professional and appealing slideshow. You choose a theme that matches the tone of your presentation. Then, you create a title slide with a title, subtitle, and the date. How Have Electric Vehicle Sales Changed Between 2015 and 2020? Alt-text: Slideshow with bar chart of electric vehicle sales from 2015 and 2022, 2022 had higher sales. There are also multiple sentences at the bottom of the slide and another piece of descriptive text near the chart. To improve the slide, you remove the text box at the bottom. For what reasons will this make your slide more effective? Select all that apply. ☐ The font size is too small for your audience to read The text shouldn't simply repeat the words you say **⊘** Correct Slide text should be fewer than 25 words total **⊘** Correct Slide text should be no more than 10 lines total (S) This should not be selected

Review the video on sharing your slideshow. [2] 11. Scenario 2, continued Battery Range and Charging Station Challenges Fill in the blank: In addition, you make sure to use _____ font sizes and colors for all of your data visualization titles. consistent different O colorful **⊘** Correct 12. Scenario 2, continued You complete your slideshow and share it with your team. Once it is approved by your supervisor, you begin preparing to give your presentation. You consider maintaining good posture, being aware of nervous habits, and making eye contact. In addition, you think about how you will speak. What strategies can help you speak effectively? Select all that apply. ☐ Speaking quickly so you are sure to have time to include all important data points Building in intentional pauses to give your audience time to think about what you have just said Using short words and sentences Keeping the pitch of your sentences level so that your statements are not confused for questions **⊘** Correct 13. Scenario 2, continued Next, you prepare for the question-and-answer session that will follow your presentation. What methods help you consider any limitations of your data? Select all that apply. ☐ Eliminate the outliers Critically analyze the correlations **⊘** Correct Look at the context **⊘** Correct Understand the strengths and weaknesses of the tools **⊘** Correct 14. Scenario 2, continued Now that you have some idea of the questions the stakeholders will ask, you consider potential objections. You and a team member consider different objections that might arise. Your team member asks you how you will respond if someone from Gaea has an objection that you haven't prepared for. You say that you will respond professionally using the information you currently have available in order to move quickly past the objection. True
False **⊘** Correct 15. Scenario 2, continued 0.5/1 point The big day has arrived, and you finish your presentation to the Gaea team. In the question-and-answer session, a stakeholder asks you a very detailed question about a car battery range project that's still in development. What strategies do you use in order to respond effectively? Select all that apply. ☐ Involve the whole audience when you respond to the stakeholder Keep your response short and to the point, then add detail if there are follow-up questions **⊘** Correct Be certain that you understand the context of the question that the stakeholder is asking Give yourself extra time by planning your thoughtful response when the stakeholder begins speaking