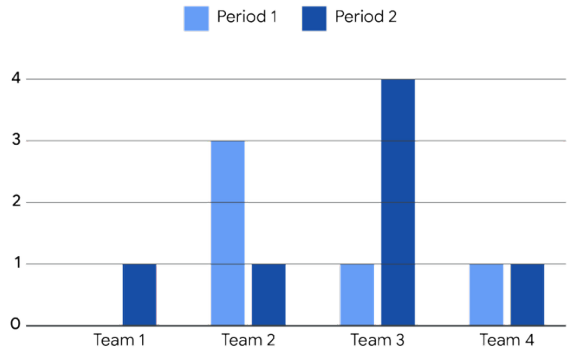
1. Improving Chart Design

Question:
The following chart represents the current score comparison from 4 different high school soccer teams, per period. Which of the following design features should be implemented to improve the chart design?



Select two answers.

- ❌ Add more bars to include the players that score during each period
- ✅ **Add a meaningful title label to the chart**
- ✅ **Label the x-axis with the name of the teams**
- ❌ Color all the bars using the same color
- ❌ Color each of the 7 bars in a different color

Feedback:
A **clear title** and **proper axis labels** help users understand what the chart represents. Adding player-level data or excessive colors may clutter the visualization unnecessarily.

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2. Importance of UX/UI in Data Visualization

Question:
Why is it important to consider the user interface and the user experience in a data visualization?
Select two answers.

- ❌ To limit user access to what is on the screen
- ✅ **To design effective, powerful visualizations that bring data to life**
- ❌ To design complicated visualizations
- ❌ To apply data governance principles
- ✅ **To ensure that users understand what options are available to them and what insights can be gained from the data**

Feedback:
Good **UX/UI design** ensures that visualizations are intuitive, engaging, and informative—helping users interact with and understand the data effectively.

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3. Accessibility for Screen Reader Users

Question:
A data analyst wants to ensure that the structure of their content and visualizations are meaningful to people who use screen readers. Which principles do they need to implement to make their dashboards available to everyone?

- ✅ **Usability and accessibility**
- ❌ Help and documentation
- ❌ Data governance and security
- ❌ UI and UX

Feedback:
Accessibility ensures that dashboards are usable by people with disabilities, including those who rely on screen readers and other assistive technologies.

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4. User-Centered Design

Question:
A cloud data analyst is designing a data visualization. They want to make sure that they keep the user in mind during the design process. Which of the following aspects should they consider when designing the visualization?

- ❌ Which new features to add
- ❌ How to build the visualization faster
- ✅ **What the users need and want**
- ❌ Which information to add beyond what the user needs

Feedback:
Designing with **user needs and goals** in mind ensures that the visualization is relevant, useful, and easy to understand.

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5. Other Influencing Factors in Design

Question:
After you consider your users' needs, what other factors may influence your design decisions?
Select two answers.

- ❌ Providing complicated help and user documentation
- ✅ **Producing web vs. mobile products and applications**
- ❌ Allowing users to add data to the visualization
- ✅ **Allowing users to provide feedback or development requests and report issues**
- ❌ Adding all the information on one page

Feedback:
Design decisions are influenced by **device type** (web vs. mobile) and the ability to **gather user feedback**, which helps improve future iterations of the visualization.