

15 Lecture - ENG101

Important Subjective

1. **What is the first step in evaluating visual data?**

Answer: The first step in evaluating visual data is to identify the type of graph or chart being used.

2. **Why is it important to consider the type of graph or chart being used when interpreting visual data?**

Answer: Understanding the strengths and weaknesses of different types of graphs and charts can help us better interpret the data being presented.

3. **What are some factors to consider when evaluating the effectiveness of a graph or chart?**

Answer: Factors to consider include the clarity of the data, accuracy of labels and scales, and appropriateness of the chosen type of graph.

4. **How can using a different scale for different data sets mislead the viewer?**

Answer: Using different scales can make differences appear more dramatic than they really are.

5. **What is an example of a potential bias in visual data presentation?**

Answer: Omitting important data or labeling axes in a misleading way can lead to inaccurate interpretations.

6. **What is an example of a context in which data presentation can be misleading?**

Answer: A graph showing a decrease in crime rates may be misleading if it only includes data from a small, wealthy area while omitting data from more disadvantaged neighborhoods.

7. **How can considering the source of the data improve our interpretation of visual data?**

Answer: Being aware of potential conflicts of interest or biases in the source of the data can help us better understand the context in which it was presented.

8. **Why is it important to be a critical consumer of information when evaluating visual data?**
Answer: Being critical of visual data can help us avoid being misled or making decisions based on inaccurate or biased information.

9. **What are some common types of graphs and charts?**
Answer: Common types include bar graphs, line graphs, scatterplots, and pie charts.

10. **Why are skills in interpreting visual data important in fields such as science, economics, and politics?**
Answer: These fields often rely on data and statistics, and being able to interpret visual data accurately is crucial for making informed decisions and drawing accurate conclusions.