15 Lecture - ENG101

Important Subjective

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