



As you look at your graph or plot, discuss these essential questions with your team and write the answers.

10 Essential Questions For Representing Data

1. What question probably produced this data?
2. What questions could be answered by looking at this data?
3. What other question(s) might be asked that are related to this data?
4. Does this data deal with categories or with changes and trends?
5. Would a table be useful for organizing the data? If so, how would you organize the table?
6. Would computing the mean, median or mode be appropriate here? For what purpose? Which of these measure of central tendency best represents the "average"?
7. Is there an outlier that affects the central tendency? How does it affect the overall average?
8. What type of graph or plot would best represent or has been used to display this data? (pictograph, bar graph, histogram, circle graph, scatter plot, line plot, stem and leaf plot or box and whisker plot) Why?
9. Can the graph, plot or table help you predict other data? Explain.
10. What inferences can be made from this data?