

HOW TO GRAPH DATA

- 1) **Draw the axes.** Draw a horizontal, or x - axis and a vertical, or y - axis.
- 2) **Label the axes.** Label the horizontal axis with the name of the manipulated variable (line graph) or category to be graphed (bar graph). Label the vertical axis with the name of the responding variable. Include the unit of measurement.
- 3) **Create a scale.** Mark off equally spaced numbers that cover the range of the data collected for both x - and y - axes.
- 4) **Plot the data.** Make sure bars are the same width (bar graphs). Connect the plotted points with the best fitting line (line graphs).
- 5) **Add a title.** Use a title that describes the graph.

Graph Title



- G-** Graph Size: Use 75% of the given space
- R-** Right Variables: Find the variables for your axes
- E-** Equal Spacing: Values need to be equal
- A-** Axes Labeled: Title your X and Y
- T-** Title: Give your graph a descriptive title