

How to Make a Bar Graph

Name: _____ Date: _____

A bar graph is an easy way to see how independent variables compare with each other. Here are the steps to making a bar graph:

1. On graph paper, draw a set of axes. The horizontal line is your x-axis. The vertical line is your y-axis.
2. Give your bar graph a title that describes your variables ("The Average Effect of Different Types of Movies on Heart Rate").
3. Label the horizontal (x) axis with your independent variable (Type of Movie), including a label of each type of movie (Drama, Comedy, Horror).
4. Label the vertical (y) axis with your dependent variable (Heart Rate (beats per minute)) and a scale from 0 to at least the highest number in your dependent variable results.
5. For each independent variable, draw a solid bar to the height of the corresponding value of the dependent variable. For example, the average heart rate while watching a drama is 90 beats per minute. Draw a bar above the "Drama" label on the x-axis to the 90-beats-per-minute mark on the y-axis.

The Average Effect of Different Types of Movies on Heart Rate

