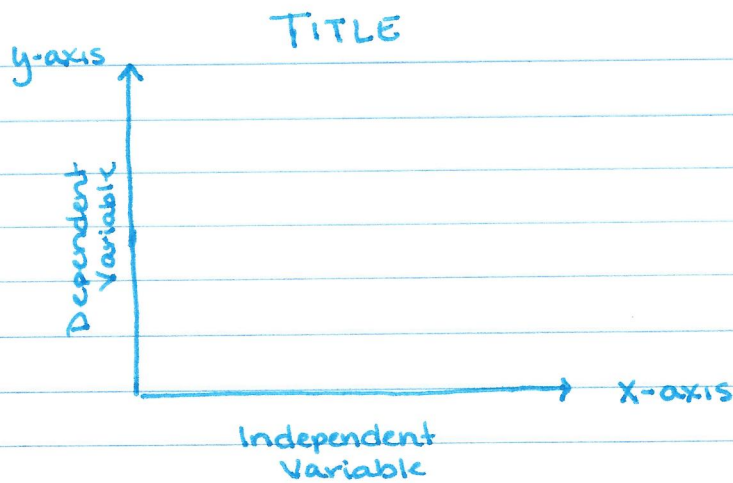


How to Graph



Independent Variable - the variable we have control over.
It's what we can choose & manipulate.

Dependent variable - the variable being tested. The dependent variable is "dependent" on the independent variable. As the experimenter changes the independent variable, the change in the dependent variable is observed and recorded.

Decoding Data Tables so that you can graph

Data tables are typically written one of two ways

Vertically

or

horizontally

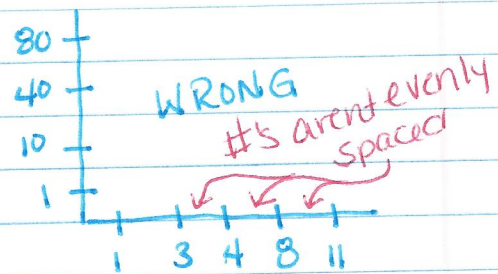
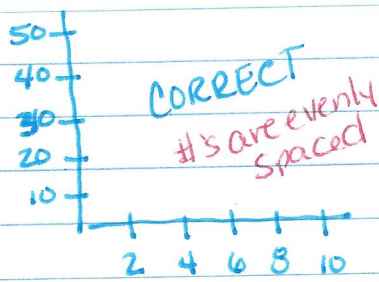
Heading 1	Heading 2

Heading 1	
Heading 2	

In both cases, the independent variable (x-axis) is listed first.

To plot your data, locate your x-value on the graph. Then proceed to find the corresponding y-value and draw in your point.

Oh, and make sure that your labels on your x and y axis are evenly spaced



Example

Independent variable
x-axis

Time (s)	Distance (cm)
0	0
1	2
2	6
3	8
4	10
5	16

Dependent variable
y-axis

Battle of the Spheres Distances vs. Time

