

Using Logger *Pro* Software to Graph Data and to Develop Mathematical Models

Collect your data, paying attention to independent and dependent variables.

1. In Logger *Pro*, enter your **independent** variable data in the “x” column
 - Example: Diameter (mm)
 - Add only numbers not units.
enter your **dependent** variable data in the “y” column
 - Example: Circumference (mm)

Data Set	
X	Y
1	
2	
3	
4	
5	

2. Press the autoscale graph tab (A) at the top menu bar

3. Double-click on the data columns to **label** them with the quantity name and units.

Labels and Units

Name: position *▼

Short Name: x *▼

Units: meters *▼

4. Double-click on the top of the graph window to **title** the graph.

- Dependent Variable vs. Independent Variable

5. Under the Analyze menu, choose **Linear Fit**.

6. Under the Insert menu, choose Text. Type your **names** in the text box that appears, and move it to the lower right corner.

7. Click on file and then choose page set up. Under orientation select landscape.

8. Print a copy for each member of the group.