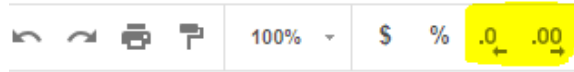


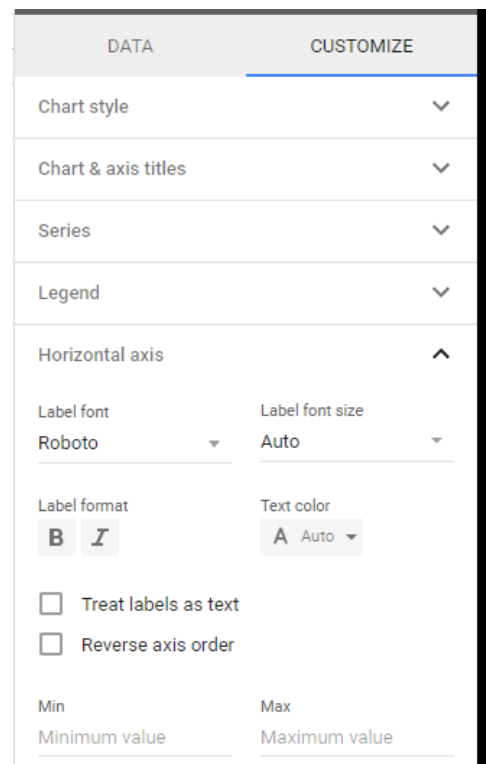
Graphing Data with Google Sheets

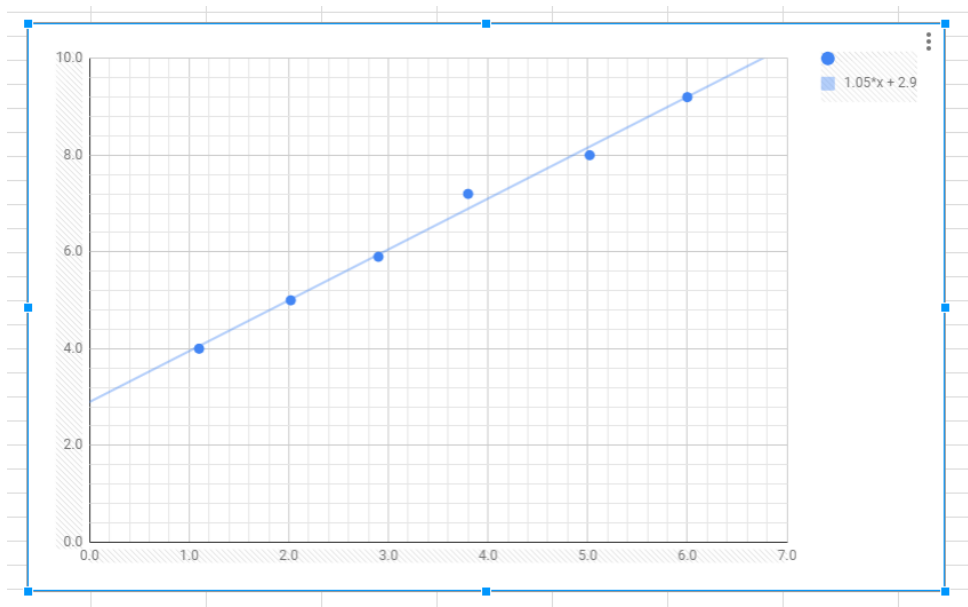
1. Open Google sheets and enter your data, the first column should be the manipulated variable. If you need to add trailing zeros (to record 2.0, etc.), use the highlighted button on the toolbar.

1.1	4.0
2.0	5.0
2.9	5.9
3.8	7.2
5.0	8.0
6.0	9.2



2. Highlight the data and then under the Insert menu, select Chart. A bar graph should appear.
3. Using the chart editor menu on the far right side of the screen, scroll down and change Chart type to Scatter.
4. Select "Use column A as labels"
5. Select "Customize", go to the submenu "Horizontal axis" and uncheck the box "Treat labels as text".
6. Change the min and max value of the horizontal axis if you need to.
7. Select "Gridlines" from near the bottom of the Customize menu and change the major and minor gridlines on both axes if you need to.
8. Select "Series" and then check the "Trendline" box and then in the "label" portion select "Use equation". The equation should now appear in the upper right corner of the graph area.





9. If the equation does not appear, go to the “Legend” menu and then the position submenu to turn it on.
10. You can resize the graph in the usual manner. You can add the graph title and axes using the Chart and axis titles menu.
11. The equation of the line of best fit is $y = 1.05x + 2.9$ so you would report the slope as $v = 1.1 \text{ m/s}$ because the original data is to 2 significant digits.