Matplotlib

Plotting x against y

The easy way is to go through the matplotlib.pyplot documentation to search all through to see how to do staffs

You can change the font type and font size of the words in the graph

plt.xticks([0,1,2,3,4,5,]) #The ticks are more or less like a scale or the size of the graph plt.yticks([0,2,4,6,10]) #ticks are scale and it shows how the graph illustration should look like

You can add , color, linewidth, marker, line style to make the graph interesting. plt.plot(x,y, label ='2x', color= 'red')

Usinmg the numpy library to create another line on the graph

Taking the first four data set to plot that.-------------- #line number two using the numpy library

x2 = np.arange(7,7,0.5)

plt.plot(x2[:4], x2[:4]\*2,color ='blue',label='x^2')..Instead of color= red and line style \_ \_ you can use ‘r—’

Figure size using plt.figure to resize the entire diagram.

plt.figure(figsize=(3,5),dpi = 100)

Saving my graph.

plt.savefig('mygraph.png',dpi=300)

**Bar Chart**

You can resize the size of a bar chart too

Setting the hatch ie the design .

bars[0].set\_hatch('/'), bars[1].set\_hatch('o')

Read and practice the real world problem in the template