MATPLOT

Creating plot

plot(x,y)
scatter(x,y)
bar(x,y)
The above ones are just x axis things and y axis things

plt.hist(data, bins)

data: array of values to be histogrammed

bins: number of bins or bin edges

plt.pie(sizes, labels=labels)

Customise plot

#This is done for the returned thing from function
line.set_color('red')
line.set_linestyle('--')
line.set_marker('o')
line.set_linewidth(2)
line.set_label("My Line")
line.set_alpha(0.7)
line.set_markerfacecolor('blue')

plt.xlabel() and plt.ylabel() to do things ig

plt.title("Example Plot")
plt.grid(True)
plt.legend(loc='upper right', fontsize='small', title="Legend")

Save plot
plt.show() stop running to display
plt.savefig("plot.png", dpi=300,transparent=True,bbox_inches='tight')

Subplotting:-
fig, axs = plt.subplots(1, 2)

Axs is an array of the subplots

And fig is the general thing. it’s the overall container that holds everything: subplots, titles, legends, axes, etc.
Think of it like the canvas.

You can use it to:

Set the **entire figure's title**: `fig.suptitle("Overall Title")`
Save the whole figure: `fig.savefig("figure.png")`
Adjust layout and spacing: `fig.tight_layout()`, `fig.subplots_adjust()`