



Plot Colours

'color',[.5 .4 .7 0.2]



У	yellow
m	magenta
С	cyan
r	red
g	green
b	blue
W	white
k	black











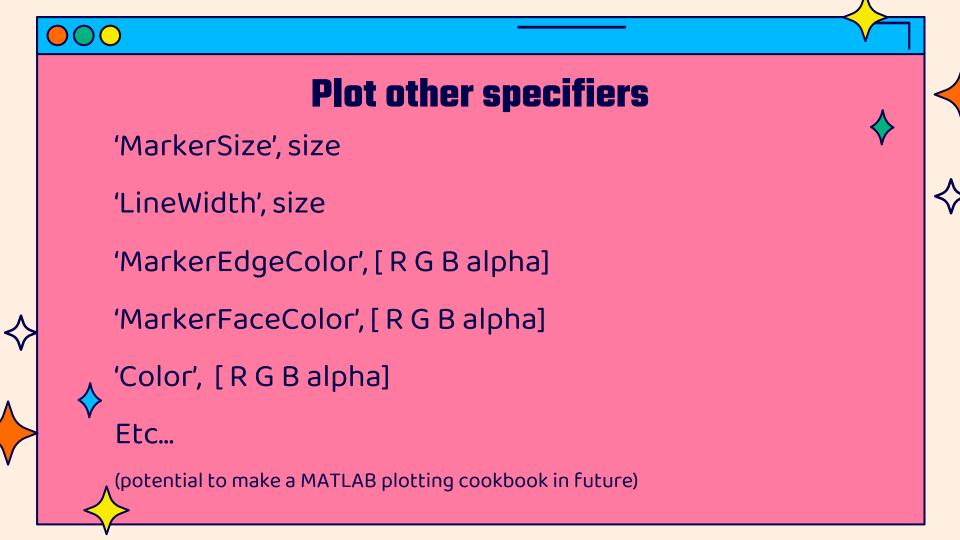




Figure and close all

I always recommend you begin a new graph by running **figure** this ensures that you are not overwriting any previous information you've plotted before

Reminder that close can be used to **close** currently opened figures



Hold on / off

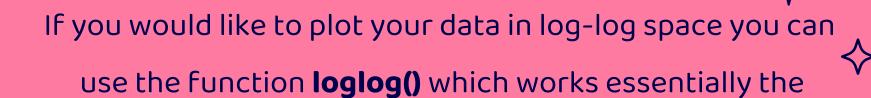
The command hold on allows one to **add to the existing axes** of a plot you just made. It is like adding another layer.

This does **not** need to be the **same type** of plot

Hold off removes this hold on the figure and allows you to overwrite them



Other Line plots

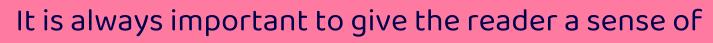


same way that plot does

Useful when data is decaying or exponentially growing



Error Bars





error, or CI

To plot error bars in MATLAB use the function

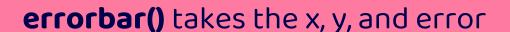
















that you only plot the error bars separately from







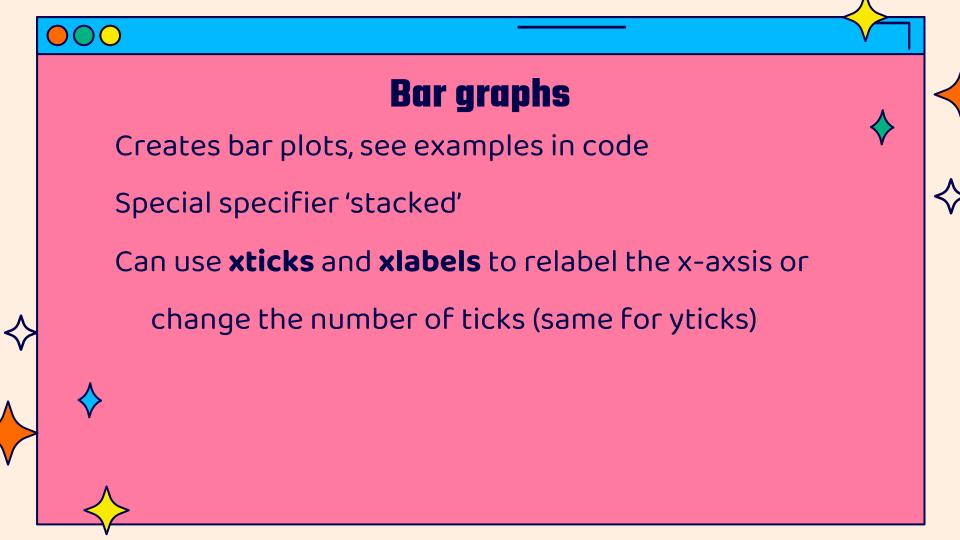


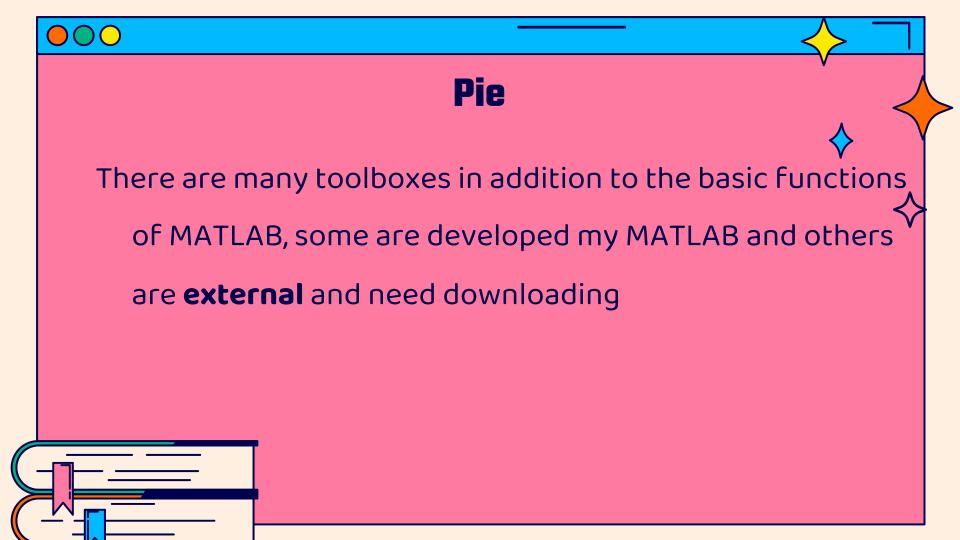


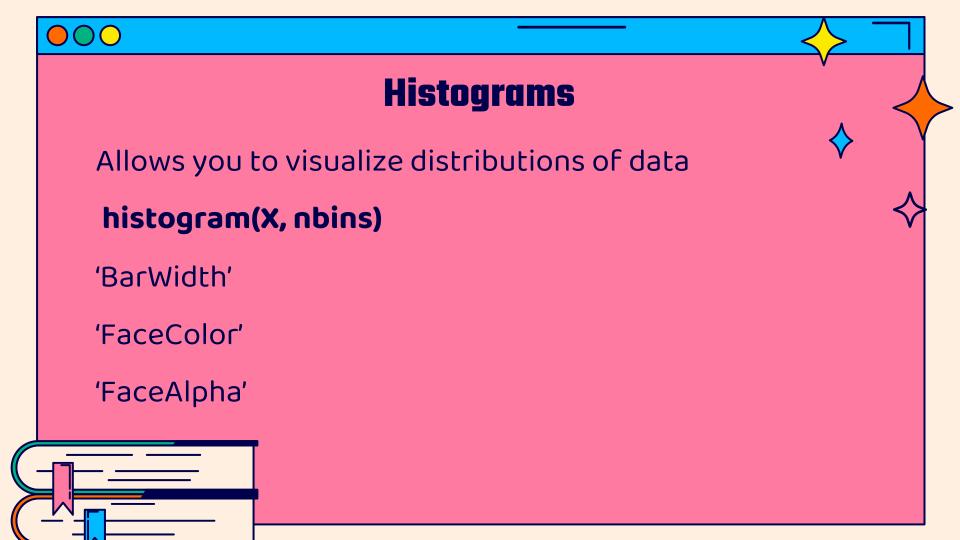


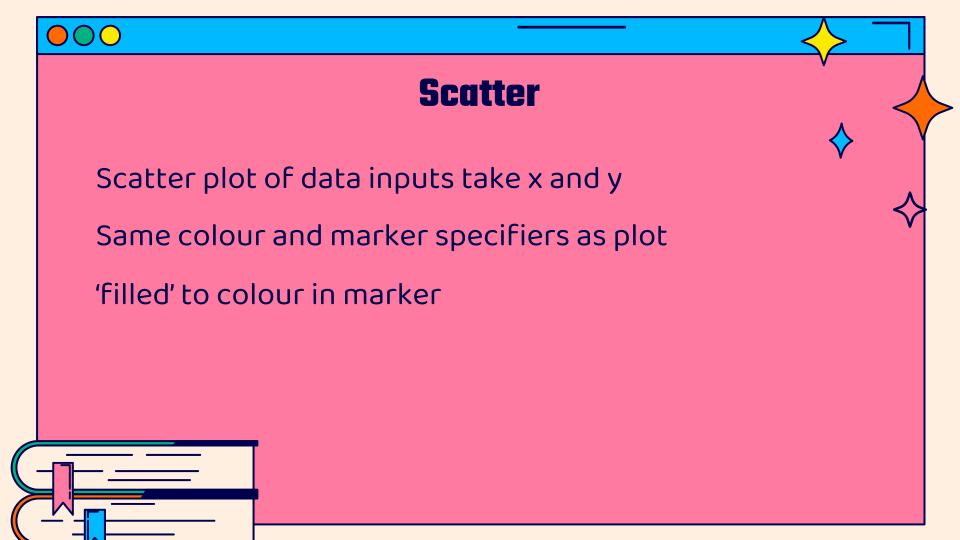


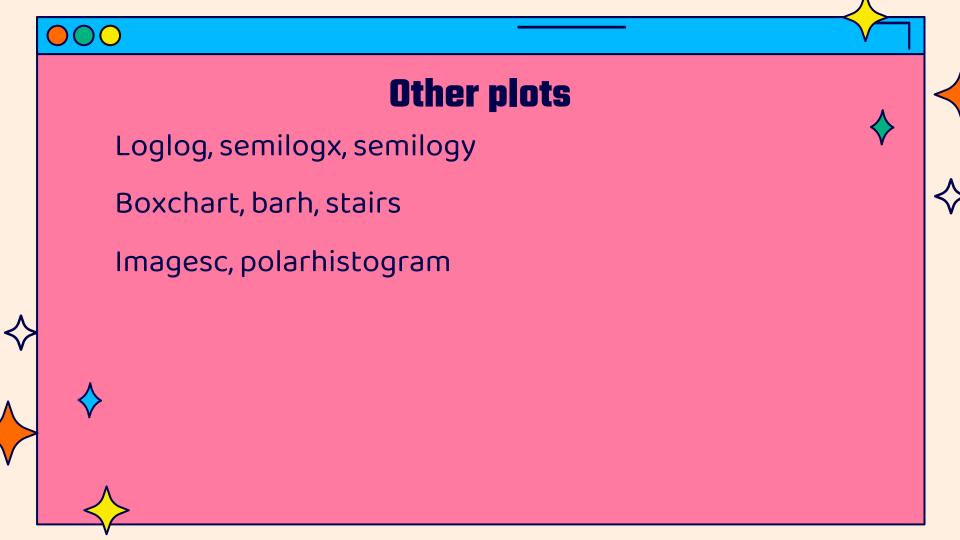














Gramm





whereby data is fed into the gramm function and

each layer of the graph is added on top



See below for a cheat sheet summarizing gramm's capacities

https://github.com/piermorel/gramm/raw/master/gramm%20cheat%20sheet.pdf







Gramm



```
g=gramm('x',cars.Model\_Year,'y',cars.MPG,'color',cars.Cylinders,'subset',cars.Cylinders \sim = 3 \ \& \ cars.Cylinders \sim = 5);
```

g.facet_grid([],cars.Origin_Region);

g.geom_point();

g.stat_glm();

g.set_names('column','Origin','x','Year of production','y','Fuel economy (MPG)','color','# Cylinders');

g.set_title('Fuel economy of new cars between 1970 and 1982');

Figure('Position',[100 100 800 400]);



g.draw();

See example on their website











