Cheat sheet: Plotting via Matplotlib

Accessing pyplot interface
import **matplotlib.pyplot** as plt

Obtaining Figures and Axes instances
fig, *ax* = plt.**subplots()**
fig, *ax* = plt.**subplots(***nrows*, *ncols***)**

Some Axes methods
ax.**plot**(*xvals*, *yvals*, …)
ax.**set_xlim**(), ax.**set_ylim**()
ax.**set_xticks**(), ax.**set_yticks**()
ax.**annotate**(…)
ax.**legend**(…)
ax.**xaxis.set_ticks_position**(…)
ax.**spines["top"].set_position**(…)
ax.**spines["top"].set_color**(…)

Some useful Figures methods
fig.**show**()   Show figure
fig.**savefig**(..)   Save figure to file

Global functions
plt.**show**()   Show plot in new window

Some plot options
color   "red", "blue", ..
linewidth   Width in pixels
linestyle   "-", "--", "o"
label   Label in legend box

TeX sequences   r"$\frac{1}{2}$"

Generating equidistant grid
np.**linspace**(*from*, *to*, *steps*, ..)