Publc Methods of "plottingtools", grouped by Topic

Changing the colour theme

plottingtools.lightmode([foreground = "0", background = "1.0"])

- Description
 - Switch to light theme.
- Required parameters
 - None.
- Optional parameters
 - foreground String specifying the foreground colour. Default: "0", i.e. pure black.
 - *background* String specifying the background colour. Default: "1.0", i.e. pure white.
- Return
 - None

plottingtools.darkmode([foreground = "0.85", background = "0.15"])

- Description
 - Switch to dark theme.
- Required parameters
 - None.
- Optional parameters
 - *foreground* String specifying the foreground colour. Default: "0.85", i.e. light grey.
 - *background* String specifying the background colour. Default: "0.15", i.e. dark grey.
- Return
 - None

Making a new Figure

plottingtools.singleplot([size = (10, 7)])

- Description
 - Generate a new plot with one figure.
- Required parameters
 - None.
- · Optional parameters
 - size 2-Tuple of numbers, containing the figure's width and height. Default: (10, 7)
- Return
 - 2-tuple (matplotlib.figure.Figure, matplotlib.pyplot.Axes)

plottingtools.multiplot(nrows, ncols, size)

- Description
 - Returns a figure with nrows by ncols subplots
- Required parameters
 - *nrows* integer, the number of rows of plots
 - *ncols* integer, the number of columns of plots
 - size_xy 2-tuple of numbers, containing the figure's width and height
- Optional parameters
 - None.
- Return
 - Tuple (matplotlib.figure.Figure, matplotlib.pyplot.Axes)

Kinds of Plots unique to plottingtools

• Description
o
Required parameters
o
Optional parameters
o **
• Return
• None.
plottingtools.correlations_heatmap(ax, list_of_lists, method)
• Description
o
Required parameters
o
Optional parameters
o **
• Return
• None.
plottingtools.masked_heatmap(ax, data, mask, **kwargs)
• Description
o
Required parameters

- Optional parameters
 - o **
- Return
 - None.

Adding elements to an existing plot

plottingtools.title(ax, title, [fontsize = 40, pad = 20]) • Description 0 • Required parameters 0 • Optional parameters • Return • None. plottingtools.labels(ax, xlabel, ylabel, [fontsize = 30, pad = 15]) • Description 0 • Required parameters 0 • Optional parameters 0 ** • Return • None. plottingtools.diagonal(ax, [colour = "black", alpha = 0.3, linestyle = "-", linewidth =

• Description

2])

• Required parameters

Optional parameters
o **
• Return
• None.
plottingtools.rectangle(ax, x1, y1, x2, y2, [colour = "red", linewidth = 3, linestyle = "-", fill = False])
• Description
0
Required parameters
0
Optional parameters
o **
• Return
• None.
plottingtools.star(ax, x, y, [colour = "red", fontsize = 50])
• Description
o
Required parameters
o
Optional parameters
o **
• Return
• None.
plottingtools.lines(ax, which, pos, [colour = "black", alpha = 0.3, linestyle = "-", linewidth = 2, zorder = -100])

• Description

• Required parameters

0

• Optional parameters

o **

- Return
 - None.

Changing elements of a plot	
plottingtools.despine(ax, [which = ['top', 'right']])	
• Description	
 Remove spines of a matplotlib.pyplot.Axes plot. 	
Required parameters	
• <i>ax</i> The matplotlib.pyplot.Axes object to remove spines from.	
Optional parameters	
 which Array of strings specifying which spines to remove. Possible choices are "top", "right", "left", "bottom". Defaults to ["top", "right"]. 	
• Return	
• None.	
plottingtools.ticklabelsize(ax, [which = "both", size = 20])	
• Description	
0	
Required parameters	
•	
Optional parameters	
o **	
• Return	
• None.	
plattingtools limits(av. vlimits, vlimits)	

plottingtools.limits(ax, xlimits, ylimits)

• Description

0

• Required parameters

Optional parameters
o **
• Return
• None.
plottingtools.ticks_and_labels(ax, which, ticks, label)
• Description
o
Required parameters
•
Optional parameters
o **
• Return
• None.
None.plottingtools.rotate_ticklabels(ax, which, rotation)
plottingtools.rotate_ticklabels(ax, which, rotation)
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plottingtools.rotate_ticklabels(ax, which, rotation) • Description • Required parameters •
plottingtools.rotate_ticklabels(ax, which, rotation) • Description • Required parameters • Optional parameters
plottingtools.rotate_ticklabels(ax, which, rotation) • Description • Required parameters • Optional parameters • **

• Description

•	Required parameters
	0

- Optional parameters
 - 0 **
- Return
 - None.

Saving the current figure to a file

plottingtools.save_png(filename, [dpi = 300])

- Description
 - Save the current plot as PNG file.
- Required parameters
 - *filename* string with the file name to export to.
- Optional parameters
 - *dpi* The resolution, in dpi. Default: 300
- Return
 - None.

plottingtools.save_svg(filename)

- Description
 - Save the current plot as SVG file.
- Required parameters
 - *filename* string with the file name to export to.
- Optional parameters
 - None
- Return
 - None.

plottingtools.save_pdf(filename)

- Description
 - Save the current plot as PDF file.
- Required parameters
 - *filename* string with the file name to export to.

- Optional parameters
 - None.
- Return
 - None.

T.B.D.