**cf\_matrix.py**

This file contains a function called make\_confusion\_matrix which can be used to create a useful visualzation of a Confusion Matrix passed in as a two dimensional numpy array.

**Docstring**

This function will make a pretty plot of an sklearn Confusion Matrix cm using a Seaborn heatmap visualization.

Arguments

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cf: confusion matrix to be passed in

group\_names: List of strings that represent the labels row by row to be shown in each square.

categories: List of strings containing the categories to be displayed on the x,y axis. Default is 'auto'

count: If True, show the raw number in the confusion matrix. Default is True.

normalize: If True, show the proportions for each category. Default is True.

cbar: If True, show the color bar. The cbar values are based off the values in the confusion matrix.

Default is True.

xyticks: If True, show x and y ticks. Default is True.

xyplotlabels: If True, show 'True Label' and 'Predicted Label' on the figure. Default is True.

sum\_stats: If True, display summary statistics below the figure. Default is True.

figsize: Tuple representing the figure size. Default will be the matplotlib rcParams value.

cmap: Colormap of the values displayed from matplotlib.pyplot.cm. Default is 'Blues'

See <http://matplotlib.org/examples/color/colormaps_reference.html>

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