

matplotlib_histograms_workbook

September 21, 2020

1 MATPLOTLIB HISTOGRAMS WORKBOOK

Have a go at the following questions to practice your new found skills.

If you have any questions, go back to the course videos and have another look. One version of the answers is available in the next download. Remember, there are different ways to write code to get the same answer, so your answer can be correct and different to the answer example!

If you feel stuck and want some in person help, then have a look at the events page to join in a workshop <https://swamphen.co.uk/events>.

1.0.1 This will use the same data set read in during the class, the head dimensions data

In [1]: *# either read in the data, or work in the same notebook as the data is already
read into*

In [2]: *# plot a green horizontal histogram of length_two and add axis names*

In [3]: *# plot a histogram comparing the head breadth of the two brothers
plot a bar stacked graph and choose green for brother one, red for brother 2
give the graph a legend at the top left of the screen
label the axes*

In [4]: *# plot a histogram for the data in length_two from the 5th data point onwards
make the plot cyan*

In [5]: *# plot a double histogram side by side of length_one and breadth_one
add a legend
what axes titles can you add?*

In [6]: *# can you see any relationship between head length and breadth in this graph?*

In [7]: *# is this a sensible graph to plot*

In [8]: *# what would be a better graph to plot to show a relationship between these values?*