

matplotlib_introduction_to_plotting_workbook_answers

September 19, 2020

1 MATPLOTLIB INTRODUCTION TO PLOTTING WORKBOOK ANSWERS

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. If this doesn't help then the answer may be in one of the recorded Q&A or critique sessions. If not, please submit your question via email (courses@swamphen.co.uk) and we can put it on the list to be answered in one of the Q&A sessions.

If you feel stuck and want some individual help, then you can have a look at the events page to see if one of those sessions will help. If not, remember I run 1-1 and small group tutorials.

1.0.1 This is only going to be a short workbook, as the majority of the power in a graph is to be able to customise it to tell the correct story. However, it is useful sometimes just to plot the data and see what it gives you!

```
In [ ]: # import matplotlib as plt
import matplotlib.pyplot as plt
```

```
In [ ]: # create a list of numbers 1-10 and produce a line plot
```

```
numbers = list(range(11))
print(numbers)
plt.plot(numbers)
```

```
In [ ]: # then plot these numbers as a histogram
plt.hist(numbers)
```

```
In [ ]: # create a list of the even numbers between 1 and 20 and produce a line graph
even = list(range(2, 21, 2))
print(even)
plt.plot(even)
```

```
In [ ]: # create a list of strings with your favourite book title and plot as a histogram
book = ['the', 'scarletti', 'inheritance']
plt.hist(book)
```