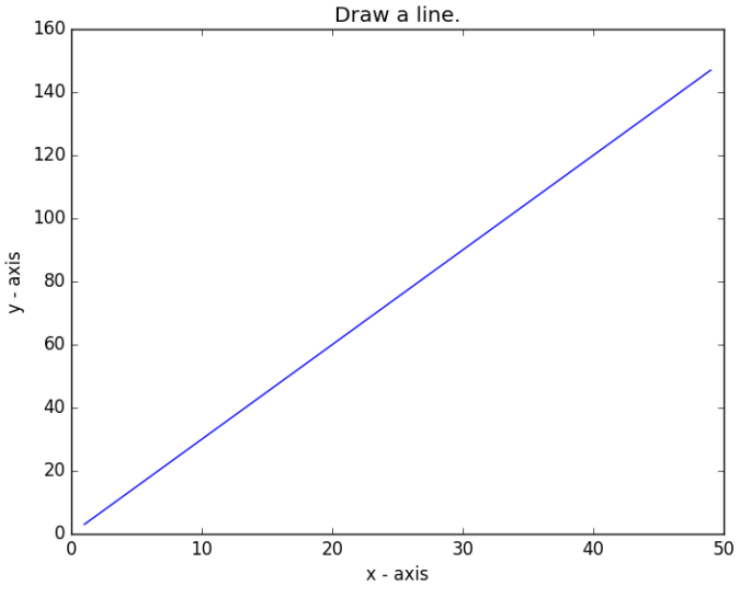
Educate!

Annotation is enabled on the page !

Matplotlib Basic: – Exercises, Practice, Solution

January 11, 2018 by Admin (http://courselibrary.shaveensingh.com/forum/profile/admin/)

Practice 1: Write a Python program to draw a line with suitable label in the x axis, y axis and a title. The code snippet should give the output shown in the following screenshot:



Click me to see the sample solution ↩

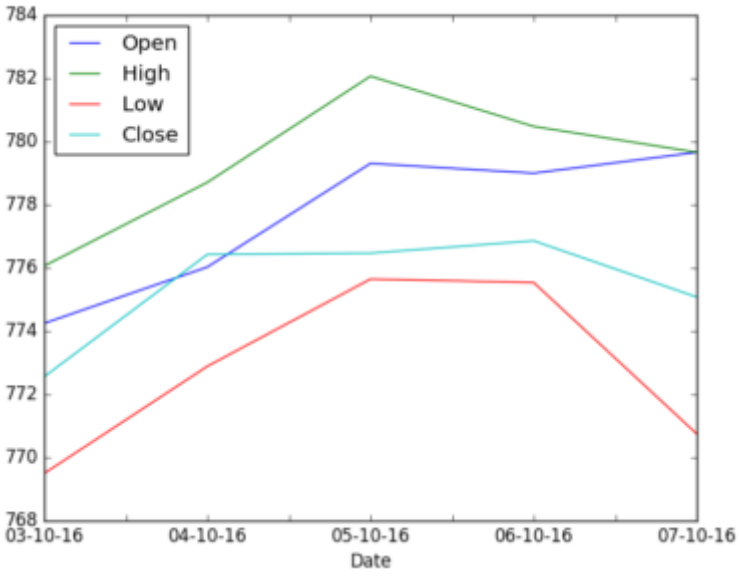
Practice 2: Write a Python program to draw line charts of the financial data of Alphabet Inc. between October 3, 2016 to October 7, 2016.
Sample Financial data (fdata.csv):

```
Date,Open,High,Low,Close
03-10-16,774.25,776.065002,769.5,772.559998
04-10-16,776.030029,778.710022,772.890015,776.429993
05-10-16,779.309998,782.070007,775.650024,776.469971
06-10-16,779,780.47998,775.539978,776.859985
07-10-16,779.659973,779.659973,770.75,775.080017
```

Happy Reading!

<< View Python Editor

Annotation is enabled on the page !

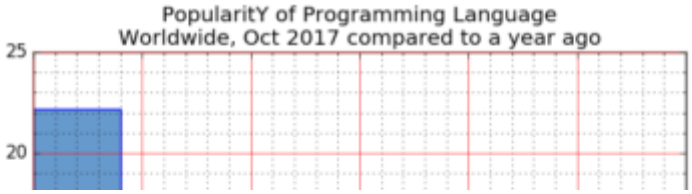


Click me to see the sample solution ↩

Practice 3: Write a Python programming to display a bar chart of the popularity of programming Languages. Make blue border to each bar.
Sample data:

```
1 Programming languages: Java, Python, PHP, JavaScript, C#, C++
2 Popularity: 22.2, 17.6, 8.8, 8, 7.7, 6.7
```

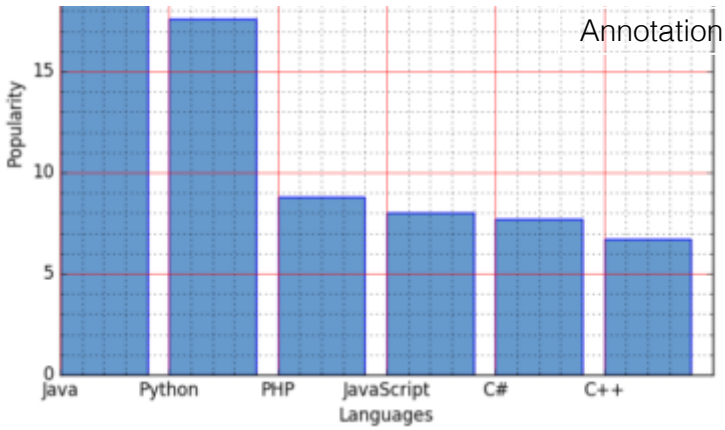
The code snippet gives the output shown in the following screenshot:



Happy Reading!

<< View Python Editor

Annotation is enabled on the page !

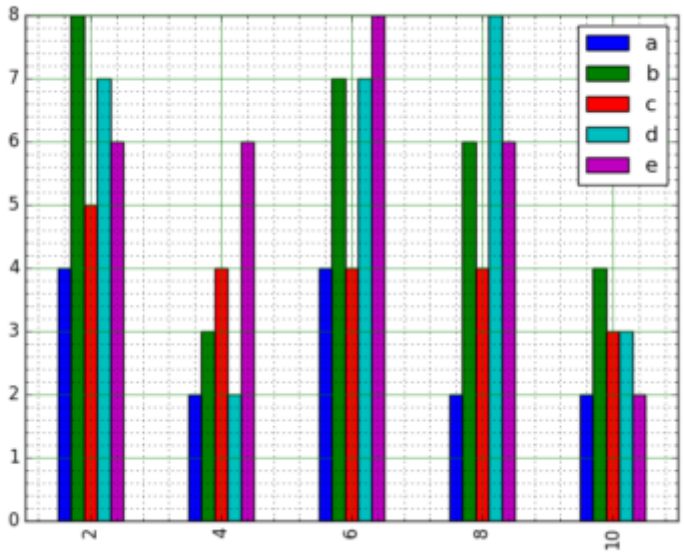


Click me to see the sample solution ↩

Practice 4: Write a Python program to create bar plot from a DataFrame.
Sample Data Frame:

```
1   a b c d e
2 2 4,8,5,7,6
3 4 2,3,4,2,6
4 6 4,7,4,7,8
5 8 2,6,4,8,6
6 10 2,4,3,3,2
```

The code snippet gives the output shown in the following screenshot:



Click me to see the sample solution ↩

Happy Reading!

Practice 5: Write a Python program to create a stacked bar plot with error

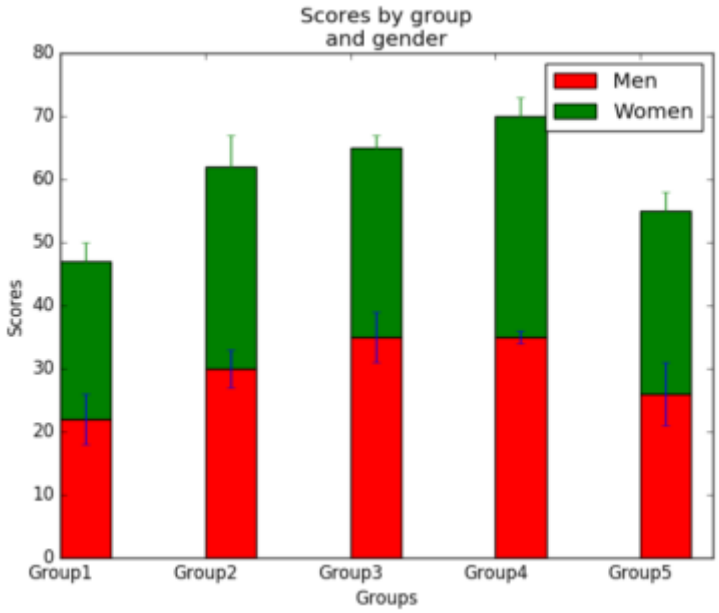
<< View Python Editor

bars. Note: Use bottom to stack the women?s bars on top of the men?s bars.

Sample Data:

```
Means (men) = (22, 30, 35, 35, 26)
Means (women) = (25, 32, 30, 35, 29)
Men Standard deviation = (4, 3, 4, 1, 5)
Women Standard deviation = (3, 5, 2, 3, 3)
```

The code snippet gives the output shown in the following screenshot:



Click me to see the sample solution ↩

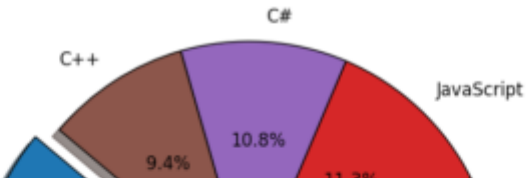
Practice 6: Write a Python programming to create a pie chart of the popularity of programming Languages.

Sample data:

Programming languages: Java, Python, PHP, JavaScript, C#, C++

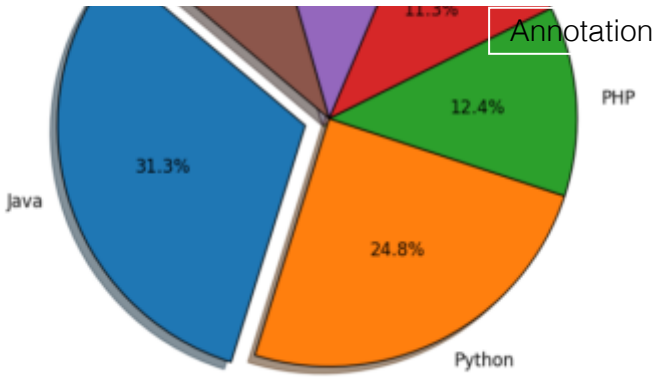
Popularity: 22.2, 17.6, 8.8, 8, 7.7, 6.7

The code snippet gives the output shown in the following screenshot:



Happy Reading!

<< View Python Editor



Click me to see the sample solution ↩

Exercises:

Data Visualisation Quiz 4

Welcome to your Data Visualisation Quiz 4.

Complete the coding exercise as part of your preparatory tutorial.

[*An editor is available at the bottom right of the page to write and execute the scripts.*]

Please note that you are only allowed one attempt to complete this quiz.
Any incomplete attempt will not be saved.

All the best !

Happy Reading!

<< View Python Editor

Annotation is enabled on the page !

NEXT

You have now completed this section.

« Previous Unit **(http://courselibrary.shaveensingh.com/module-3/subplots-and-small-multiples/)** Next Unit » **(http://courselibrary.shaveensingh.com/module-4/introduction/)**

Happy Reading!

<< View Python Editor