

BIST Python Bootcamp

Why Python?

14.09.2017



Other ways of Data Analysis - Excel

	A	B	C
1			
2			
3			
4			
5			
6			
7			

Other ways of Data Analysis - Excel

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Python – Arrays (Block 4)

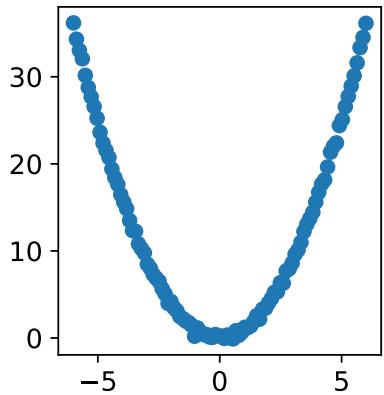
In [4]: `np.random.randint(0, 100, (3, 6, 5))`

Out[4]:

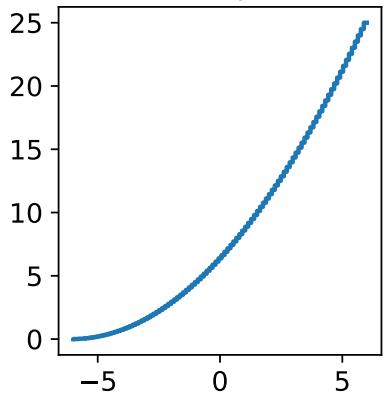
```
array([[[17, 31, 15, 89, 63],  
       [40, 77, 88, 96, 88],  
       [66, 93, 30, 39, 40],  
       [52, 76, 28, 33, 31],  
       [94, 46, 61, 62, 70],  
       [88, 60, 97, 36, 28]],  
  
      [[11, 82, 96, 38, 43],  
       [27, 86, 70, 93, 31],  
       [90, 78, 48, 72, 94],  
       [57, 66, 27, 88, 44],  
       [67, 54, 47, 90, 88],  
       [18, 52, 24, 83, 50]],  
  
      [[98, 25, 51, 97, 34],  
       [41, 20, 20, 46, 38],  
       [29, 58, 95, 51, 83],  
       [90, 63, 4, 72, 60],  
       [57, 74, 24, 3, 84],  
       [82, 58, 4, 18, 69]]])
```

Python – Plotting (Block 5)

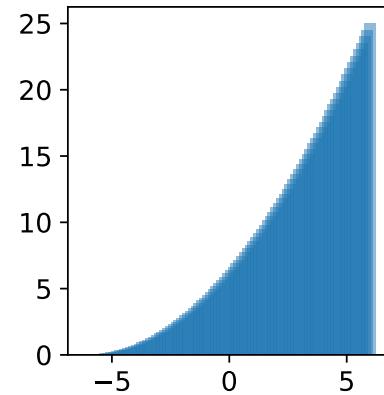
Scatter



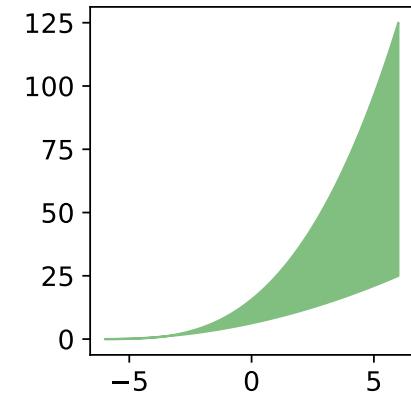
Step



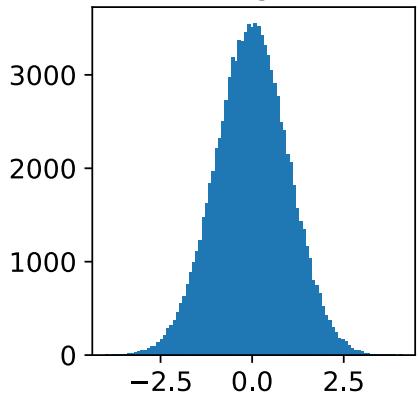
Bar



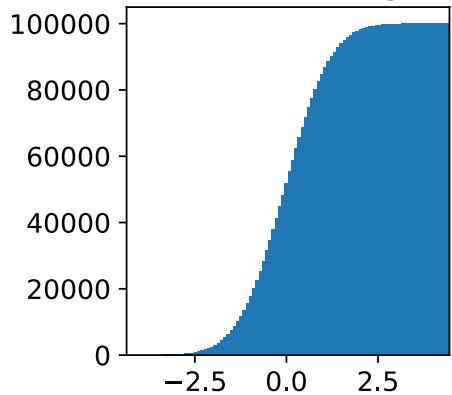
Fill between



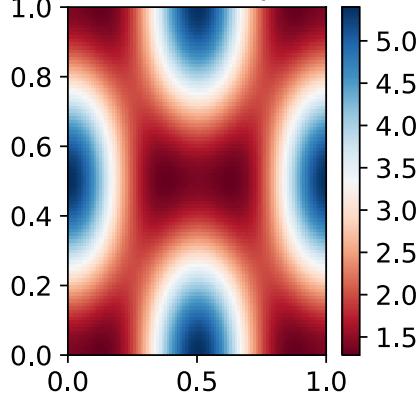
Histogram



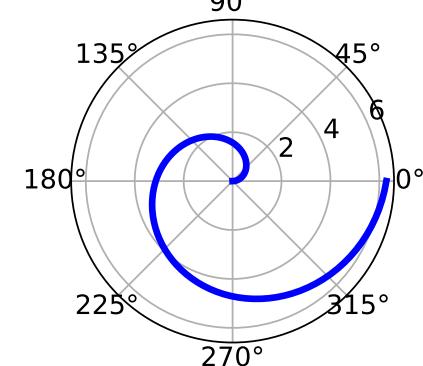
Cumulative histogram



Color map



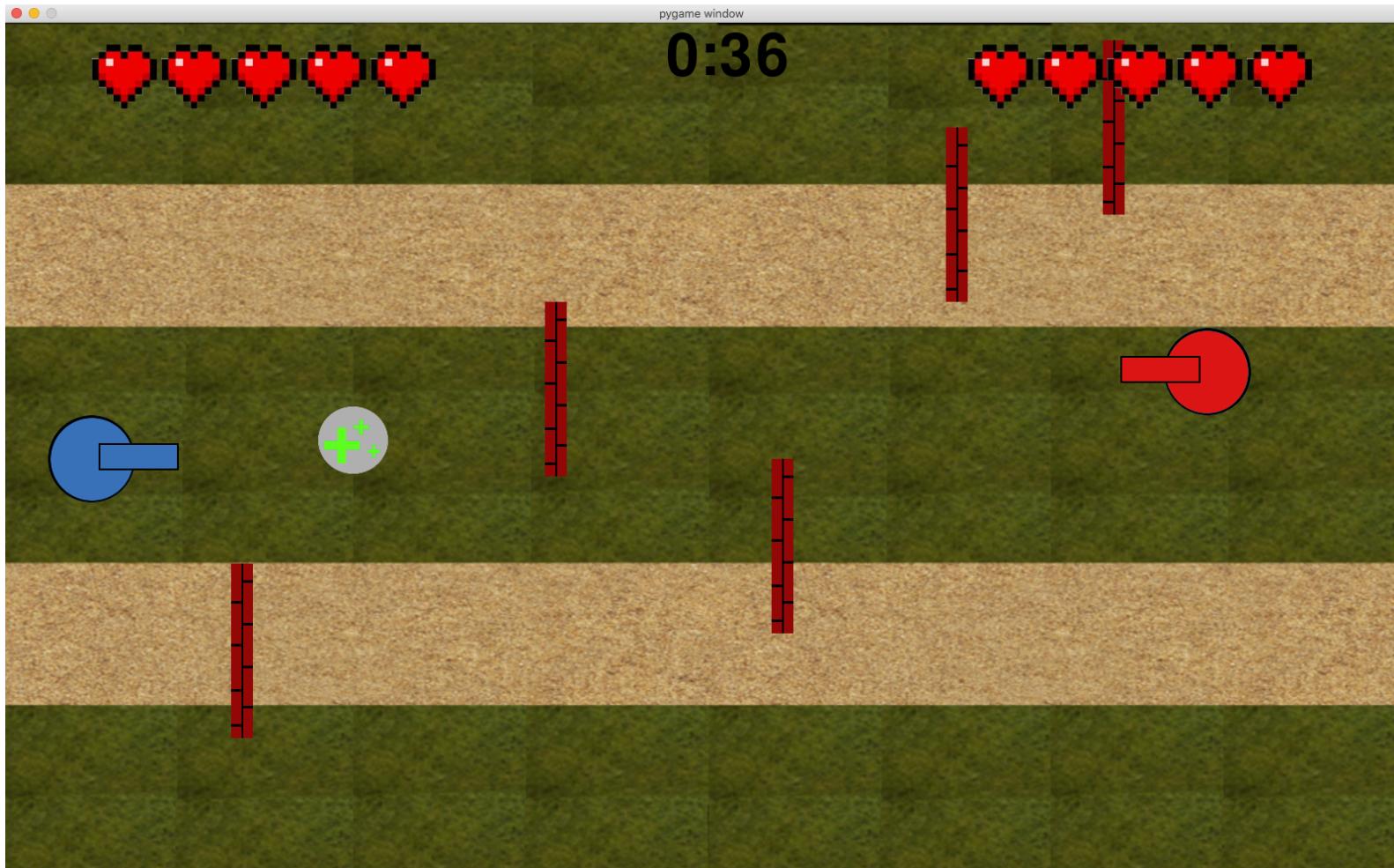
Polar coordinates



Alternatives to Python

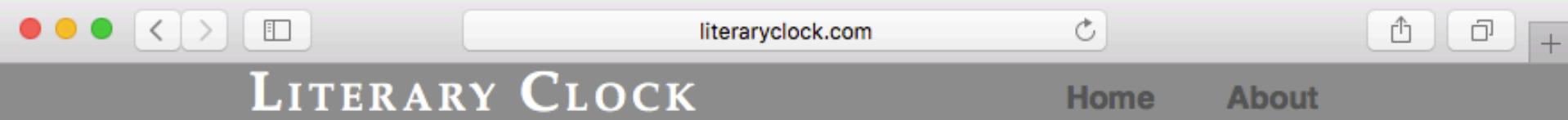


Other uses for Python - Games



www.raywenderlich.com/24252/beginning-game-programming-for-teens-with-python

Other uses for Python - Twitter



I picked up my briefcase, glancing at my watch again as I did so. Three thirty-three.

[11/22/63 by Stephen King](#)

[pythonhow.com/building-a-website-with-python-flask/](#)

Other uses for Python - Twitter



Literary Clock

@literaryclock

Tweets
221

Following
39

Followers
28

Likes
3

Moments
0



Literary Clock @literaryclock · Aug 16

if we all step smartly and follow Lor— Com— Sir Samuel we ought to be back here for lunch no later than half past one

Jingo

Terry Pratchett



Literary Clock @literaryclock · Aug 16

Half-past one, The street lamp sputtered, The street lamp muttered,
Rhapsody on a Windy Night

T. S. Eliot



[emerging.commons.gc.cuny.edu/2013/10/
making-twitter-bot-python-tutorial/](http://emerging.commons.gc.cuny.edu/2013/10/making-twitter-bot-python-tutorial/)