

# Learn Data Science in Python



## STEP 0

**Before beginning you should have the answers for :**  
- Why should I learn Python?  
- How would Python be useful?

## STEP 1

**Set up your Machine**  
- Download and Install Anaconda



## STEP 2

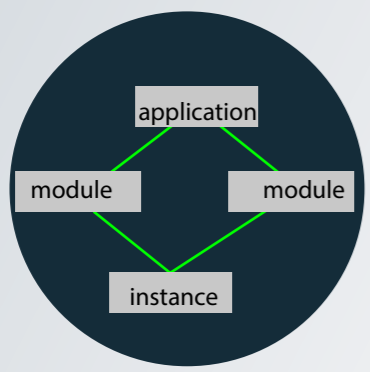
**Get a grip on basics of Python**  
- Begin with Codecademy.  
- Properly understand Lists, Tuples, Dictionaries, List comprehensions, Dictionary comprehensions.  
- Start solving Python assignments



## ----- Beginner Level Completed -----

## STEP 3

**Master the use of regular expressions in Python**  
- Take google class on Python  
- Do 'baby names' exercise  
- Understand about Text Mining

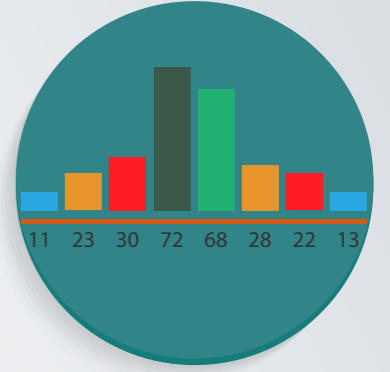


## STEP 4

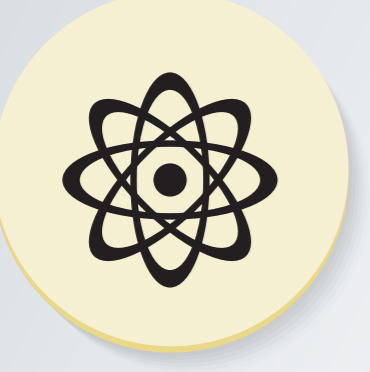
**Gain mastery on Scientific Libraries in Python**  
- NumPy, SciPy, Matplotlib, Pandas.  
- Focus on NumPy Arrays  
- Go through tutorials of NumPy, SciPy, Pandas

## STEP 5

**Data Visualization in Python**  
- Harvard's tutorial on DV  
- Practice Assignment



## ----- Intermediate Level Completed -----



## STEP 6

**Time to conquer SciKit Learn and Machine Learning**  
- Refer to Harvard's CS109 course  
- Machine Learning course by Andrew Ng  
- Practice Assignments

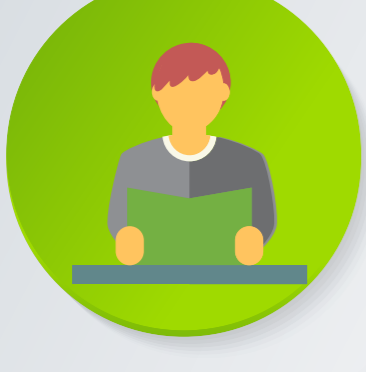


## STEP 7

**Practice makes a man perfect**  
- Practice the above steps religiously



## ----- Advanced Level Completed -----



## STEP 8

**Dive deep into Deep Learning**  
- Course by Geoff Hinton



## ----- Expert Level Completed -----

To view the complete learning path on Python, visit here:

<http://bit.ly/1Iznbcw>