

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

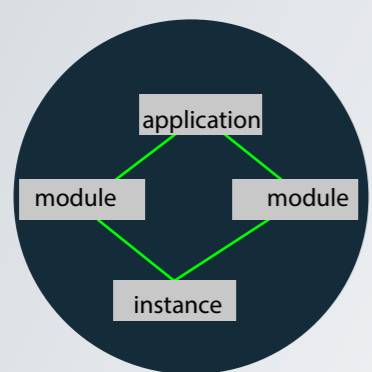


----- **Beginner Level Completed** -----

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

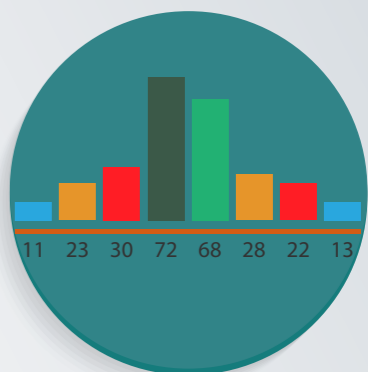
Gain mastery on Scientific Libraries in Python

- NumPy, SciPy, Matplotlib, Pandas.
- Focus on NumPy Arrays
- Go through tutorials of NumPy, SciPy, Pandas

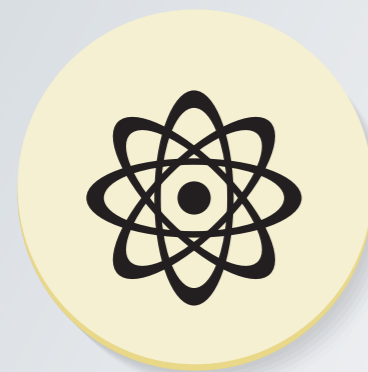
STEP 5

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/1lznbcw>