

Python and Data Science Step by Step Literature Recommendations guide Material

- Variables

<https://www.simplilearn.com/tutorials/python-tutorial/python-variables>

- Basic inbuilt operators

<https://towardsdatascience.com/python-operators-from-scratch-a-beginners-guide-8471306f4278>

- If, else Conditions

<https://www.programiz.com/python-programming/if-elif-else>

- For and while loops

<https://beginnersbook.com/2018/01/python-for-loop/>

<https://beginnersbook.com/2018/01/python-while-loop/>

- Lists, tuples, dictionary and their functions

<https://towardsdatascience.com/ultimate-guide-to-lists-tuples-arrays-and-dictionaries-for-beginners-8d1497f9777c>

- Functions

https://www.w3schools.com/python/python_functions.asp

- Object Oriented Programming

<https://realpython.com/python3-object-oriented-programming/>

- List comprehensions

<https://www.freecodecamp.org/news/list-comprehension-in-python/>

- Lambda functions

<https://www.analyticsvidhya.com/blog/2021/06/anonymous-or-lambda-functions-in-python-a-beginners-guide/>

- Data structures

<https://www.geeksforgeeks.org/data-structures/>

- Argument's operators (*args and **kwargs)

<https://realpython.com/python-kwargs-and-args/>

- PIP and Environments

<https://realpython.com/python-virtual-environments-a-primer/>

<https://www.dabapps.com/blog/introduction-to-pip-and-virtualenv-python/>

- Generators and Decorator functions

<https://dotnettutorials.net/lesson/decorators-and-generators-in-python/>

- Meta classes

<https://realpython.com/python-metaclasses/>

- Parallelism

<https://www.toptal.com/python/beginners-guide-to-concurrency-and-parallelism-in-python>

- Packages and Modules

<https://terminalroot.com/the-30-best-python-libraries-and-packages-for-beginners/>

- Microsoft Excel functionality

<https://spreadsheeto.com/how-to-use-excel/>

- Statistics

<https://realpython.com/python-statistics/>

- Visualization and clean up libraries

<https://www.simplilearn.com/tutorials/python-tutorial/data-visualization-in-python>

- Machine Learning

https://www.w3schools.com/python/python_ml_getting_started.asp

- Deep learning

<https://www.kaggle.com/kanncaa1/deep-learning-tutorial-for-beginners>

- Databases

<https://www.analyticsvidhya.com/blog/2020/06/sql-for-beginners-analysts-sqlite-database-python/>

- Power BI and Tableau tools

<https://medium.com/geekculture/the-ultimate-guide-to-power-bi-for-beginners-de9e1e5f290b>

<https://intellipaat.com/blog/tutorial/tableau-tutorial/>