

Python for Data Science

At a Glance

This introduction to Python will kickstart your learning of Python for data science, as well as programming in general. This beginner-friendly Python course will take you from zero to programming in Python in a matter of hours. Upon its completion, you'll be able to write your own Python scripts. If you want to learn Python from scratch, this free course is for you.

ABOUT THIS PYTHON COURSE

This introduction to Python will kickstart your learning of **Python for data science**, as well as programming in general. This beginner-friendly Python course will take you from zero to programming in Python in a matter of hours.

Upon its completion, you'll be able to write your own Python scripts and perform basic hands-on data analysis using our Jupyter-based lab environment. If you want to learn Python from scratch, this free course is for you.

You can start creating your own data science projects and collaborating with other data scientists using [IBM Watson Studio](#). When you sign up, you get free access to Watson Studio. Start now and take advantage of this platform.

COURSE SYLLABUS

Module 1 - Python Basics

- Your first program
- Types
- Expressions and Variables
- String Operations

Module 2 - Python Data Structures

- Lists and Tuples
- Sets
- Dictionaries

Module 3 - Python Programming Fundamentals

- Conditions and Branching
- Loops
- Functions
- Objects and Classes

Module 4 - Working with Data in Python

- Reading files with open
- Writing files with open
- Loading data with Pandas
- Working with and Saving data with Pandas

RECOMMENDED SKILLS PRIOR TO TAKING THIS COURSE

- Basic Math