

Introductory Python for Data Analysts

Learn the fundamentals of data analysis with Python using this entry-level Python for Data Analysts training. This course prepares you to master what is easily the best programming language in the world for data analysis: Python and its data analysis libraries.

[CBT Nuggets course material](#) →

WEEK 1

Python Development Environments

154 min.

Supplemental Files	1
Introduction to Development Environments	5
Code Editors and IDEs vs. Interactive Notebooks	11
Installing Google Colab	16
Installing Jupyter notebook with Anaconda	9
Managing Projects Environments with Conda	10
Running Anaconda with Docker	5

Python for Data Analysis: Data Types

Overview	1
Supplemental Files	1
Introduction to Python Data Types	4
Data Types	12
Numbers and Bools	5
Strings and Keywords	6
Collections	9
Code Challenge	9

Python for Data Analysis: Numbers

Overview	1
Supplemental Files	1
Introduction to Python Numbers	1
Variables	10
Math Operators	13
Math with Python	11
Boolean Values	7
Code Challenge	4

WEEK 2**Python for Data Analysis: Strings****159 min.**

Overview	1
Introduction to Strings	1
Working with Strings	22
Indexing and Slicing Strings	10
String Methods	8
Strings Code Challenge	6

Python for Data Analysis: Functions

Overview	1
Supplemental Files	1
Introduction to Python Functions	1
Python Operators	15
Functions and if Statements	15
Python Scope	10
Pseudocode	7
Functions Code Challenge	8

Python for Data Analysis: Loops

Overview	1
Supplemental Files	1
Introduction to Python Loops	1
If, elif, and else	10
For loops	11
While Loops	10
Code Challenge	16

WEEK 3**Python for Data Analysis: Collections****80 min.**

Overview	1
Supplemental Files	1
Introduction to Python Collections	1
Lists	19
List Methods	19
Dictionaries	6
Dictionary Methods	7
Code Challenge	11
Data Analysis Journey Next Steps	1
Data Analysis Preview with pandas	13