

Python Bootcamp

INSTRUCTOR-LED | 1 WEEK | 40 HOURS | ONSITE OR REMOTE

OVERVIEW

Modern analysts need to work with ever-larger data sets to drive business decisions and Excel has its limitations. In this training, learn to use Python to build your Level 1 Data Skills and work more effectively with data and data teams.

OUTCOMES

- **Level 1 Data Skills:** Wrangle, explore, model, and communicate the results of an analysis with Python and pandas
- Apply your skills to a final analytics project

IDEAL FOR

- Analysts who want to work with larger datasets
- Managers who need to work with technical teams and want to more effectively communicate and empathize with them
- Data scientists who have quantitative skills and want to learn Python

AGENDA

8 Hrs

Programming and Python Basics

Learn programming fundamentals and Python basics, including variables, booleans, numerical operators, string concatenation, logical comparison, functions, and control flow.

16 Hrs

Intermediate Topics

Learn about common data structures, classes and inheritance, debugging principles, file I/O, accepting user input, regular expressions, code abstraction, modules and libraries

8 Hrs

Pandas and Data Science

Use Python for advanced analytics: Pandas DataFrames and series, common procedures and best practices when “cleaning” data using Pandas, data visualization, plotting with Pandas, data workflow and terminology.

8 Hrs

Final Project

A summary lab which ties together all concepts learned throughout the course. Instructors are available, but each student will decide how to implement their own application.

