Python for Automation

This class will teach students how to scrap and mine the web for any type of data. Whether you are in academics, business, journalism or anything in between - this class will be extremely beneficial. Students will learn two major skills in this course: Python and Webscraping. Students will first be introduced to the most powerful programming language in the world and later learn one of its many libraries. If you are interested in pursuing this skill further, check out our Python for Data Science Bootcamp.

Group classes in NYC and on-site training is available for this course. For more information including upcoming class dates and pricing, visit training-nyc.com/courses/python-automation-bootcamp or email contact@nyimtraining.com

Course Outline

Section 1

Introduction to HTML/CSS (Online)
- How a website is served
- Anatomy of a web page
- HTML tags
- IDs
- CSS classes

Python Part 1
- Integers + Floats
- Variables
- Strings
- Methods + Functions

Section 2

Webscraping Exercise Part 1
- Introduction to using packages
- Requests packages
- Performing a GET request
- String manipulation
- Debugging a Python script

Python Part 2
- Booleans
- Conditonal Statements
- Lists
- Indexing into strings + lists
- Looping over lists

Section 3

Webscraping Exercises Part 2

- Beautiful Soup package
- Honing in on data
- Common webscraping pitfalls
- Using loops in webscraping

Storage and Scheduling

- Text files
- CSVs
- Scheduling a Python Script