

A background image showing a blurred Python code snippet with line numbers 32 through 41. The code includes class attributes like self.file, self.fingerprints, self.logdupes, self.debug, and self.logger, along with an if path block and a def request_seen method.

DATA ANALYTICS BOOTCAMP: PYTHON

So much information and data on the web! How do we access it? How do we organize it to critically analyze an issue of interest? In this online course you will learn to do it through Python programming in a fun and practical way. This course will be your entrance into the amazing world of coding and take you from an absolute beginner to a skillful programmer with step-by-step instructions.

Data Analytics Bootcamp: Python at the Fox School of Business is an online course composed of 10 modules. Most participants will complete the course in 10 to 15 hours. Enrollment in this program will allow participants to:

- Experience how programming technology affects modern life in the age of information.
- Identify opportunities for algorithmic problem solving across a diverse range of applications.
- Use Python programming language to solve problems of interest.
- Utilize information technology techniques in Python for scraping and collecting data from internet web pages.
- Prepare data for analysis, perform econometric analysis, create powerful data visualizations and make optimal decisions from data.

Course modules

Each module contains learning objectives, video lectures and quizzes, step-by-step instructions and all code files needed.

- Module 1:** Introduction to Python
- Module 2:** Operators, Variables & Arrays
- Module 3:** Functions & Conditional Statement
- Module 4:** Data Management
- Module 5:** Loops
- Module 6:** Hypothesis Tests & Regressions
- Module 7:** Date Visualization
- Module 8:** Web Scraping
- Module 9:** Textual Analysis & Machine Learning
- Module 10:** Capstone Project: Application of all Python Skills Taught

Price:

\$199 for professionals
\$99 for students, Temple alumni