



Dr. Andrew L. Tan Data Science Institute
in cooperation with the
School of Lifelong Learning

cordially invites you to the

Data Preparation with Python

This 24-hour introductory course is designed to provide students with the basic Python concepts, techniques, and tools necessary for preparing any data for more profound and complex analysis. This course will explain the importance of exploring and preparing data before data analysis. Once data has been acquired, specific characteristics have to be understood to appreciate the data's complexity and perform an informed analysis later. At the end of the course, the student is expected to have a fundamental knowledge of how data can be collected and prepared using Python to gain insights into real-world applications.

Who is this course for?

This course was designed for individuals with no programming experience in Python or who are entirely new to programming. It is recommended that this course be taken before the more advanced courses in data science are offered, such as Foundations of Data Science, Data Visualization, and Introduction to Machine Learning.

How will the course be conducted?

The course will be delivered in face to face mode, and course materials will be shared to the participants a week before the synchronous session. Asynchronous videos and activities are provided weekly for students to accomplish before the synchronous sessions held every Saturday from 8:30 AM to 12:30 PM and 1:00 PM to 3:00 PM.

Prerequisites: None

Required software: Python and Jupyter Notebook

Duration: 24 hours

Course Coverage:

Module 1: Python Programming

- o Variables, Expressions, Statements
- o Input and Output
- o Functions
- o Conditionals
- o Loops
- o Arrays and Lists

Module 2: Data Preparation

- o Basic Data Collection
- o Basic Data Cleaning and Wrangling
- o Exploratory Data Analysis

Schedule: July 12, 19, 26, 2025 (Saturdays)

Time: 8:00 AM to 12:00 NN; 1:00 - 3:00 PM A 2-hour self-study session is allotted for after.

Modality: Face-to-face

Venue:

Dr. Andrew L. Tan - Data Science Institute, Venice Corporate Center - McKinley Hill Campus, BGC Taguig City.

Course Orientation:

The course orientation will commence during the first hour of Day 1.



Course fee: P20,000.00 - Regular Rate (*Deadline of payment on or before May 30, 2025*)
(*Training fee is net of all applicable tax. No withholding tax should be deducted from this investment cost*)

Target Participants:

This program is open to the **general public**.

