Document Generated: 02/22/2025

Learning Style: On Demand

Technology: Microsoft

Difficulty: Beginner

Course Duration: 15 Hours

Introduction to Python and Its Libraries

Python is a language with a simple syntax, and a powerful set of libraries. It is an interpreted language, with a rich programming environment, including a robust debugger and profiler. While it is easy for beginners to learn, it is widely used in many scientific areas for data exploration.

Course Outline:

This Course Includes:

- Course Introduction
- Google Colab Overview
- Exercises
- Lecture 1: Introduction to Python: Syntax
- Lecture 2: Pythonic Functions and Good Practices
- Lecture 3: Linear Algebra: Numpy
- Lecture 4: Plotting: Matplotlib and Seaborn
- Lecture 5: Dataframes: Pandas

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