Python for Data Analysis: Pandas & NumPy

This document covers my hands-on project completed as part of the Coursera course: Python for Data Analysis (Pandas & NumPy).

The purpose of this project was to gain practical experience with Python for data analysis. I used this project as a learning exercise to strengthen my understanding of Python programming, data manipulation, and working with essential libraries like Pandas and NumPy.

What I Learned

- Understand Python programming fundamentals for data analysis

- Define and work with single and multi-dimensional NumPy arrays

- Import and manipulate HTML data in Pandas DataFrames

Skills Practiced

- Pandas (Python Package) – Data manipulation and analysis

- NumPy – Creating and working with arrays

- Data Structures – Lists, arrays, and tabular data

- Data Manipulation – Cleaning and transforming data

- Data Analysis & Data Science – Extracting insights from data

- Python Programming – Writing functional and reusable code

- Computer Programming Fundamentals – Problem solving with Python

Purpose of the Project

This project was completed to improve my practical skills in Python for data analysis. It is not a production project but a learning-based exercise to build a strong foundation in Pandas, NumPy, and core Python programming concepts.

Note

This project is for educational and learning purposes only.