Data Analyst in Python

**Course: Introduction to Data Science in Python**

Chapter 1

Section 1 - Dive Into Python

Remember to import the appropriate modules

Alias modules – *import pandas as pd*

Section 2 - Creating Variables

Must start with a letter (usually lowercase), then letters, numbers, underscores, but no special characters.

Case-sensitive

Section 3 - Functions

Section of code (action) that converts some input to a given output

plt.plot(x-value, y-value, label=’label’)

Common errors: missing commas (syntax), missing parenthesis (syntax)

Chapter 2

Section 1 - pandas

pandas is a module for working with tabular data

load from multiple sources

search for particular rows or columns

calculate aggregate data

combine data from different sources

DataFrame loading is the first step

Easiest way to create DataFrame is using a .csv file

Always add import pandas as pd

head() function prints first 5 rows

info() method gives a summary of the data you’ve imported

Section 2 - Selecting Columns

Section 3 - Selecting Rows with Logic

Section 4

Chapter 3

Section 1

Section 2

Section 3

Section 4

Chapter 4

Section 1

Section 2

Section 3

Section 4

**Course: Intermediate Python**

Chapter 1

Section 1

Section 2

Section 3

Section 4

Chapter 2

Section 1

Section 2

Section 3

Section 4

Chapter 3

Section 1

Section 2

Section 3

Section 4

Chapter 4

Section 1

Section 2

Section 3

Section 4

**Assessment: Python Programming**

**Course: Data Manipulation with pandas**

**Course: Joining Data with pandas**

**Assessment: Data Manipulation with Python**

**Course: Introduction to Data Visualization with Matplotlib**