



Introduction to Python and Machine Learning Course Outline

Introduction to Python Course Outline

Session 1: Introductions

- A. Introduction to platforms and best practices (Python and Jupyter notebook)
- B. Programming in Python

Session 2:

- A. Variables and Datatypes
- B. Loops Statement

Session 3:

- A. Conditional Statements
- B. Dictionaries and Frequency tables

Session 4:

- A. Functions

Introduction to Machine Learning Course Outline

Session 1: Introductions

- A. Introduction to Artificial Intelligence and Machine Learning, Kaggle (Concepts)

Session 2: Hands-on

- A. Introduction to Python Libraries- Numpy and Pandas

Session 3: Hands-on

- A. Data Preprocessing and Visualization

Session 4: Hands-on

- A. Supervised learning algorithms
- B. Guided class project on supervised learning algorithms

Session 5: Hands-on

- A. Unsupervised learning algorithms



B. Guided class project on unsupervised learning algorithms

Kaggle Competiton for skills validation