

# Course Syllabus

## Machine Learning Using Python

The course introduces the participants to the field of AI/ML with background and key concepts. It also introduces Python as a programming language for data science. The course introduces data visualization techniques and comprehensive overview of linear algebra, statistics and optimization concepts.

## Syllabus

- Introduction to Spyder
- Sequence data types and associated operations, NumPy
- Basics of Statistics
- Pandas dataframe and data frame related operations
- Inferential Statistics
- Linear Algebra
- Optimization
- Predictive Modelling
- Machine Learning