

# Unit One Structure

## I. Unit 1: An Introduction to Machine Learning

### A. Video 1: What is Machine Learning?

1. Inferring Knowledge from Data
2. Statistical Learning

### B. Video 2: Types and Applications of Machine Learning

1. Supervised Learning
  - a. Classification
  - b. Regression
2. Unsupervised Learning
3. Reinforcement Learning

### C. Video 3: Artificial Intelligence Vs. Machine Learning

1. Definitions
2. What Machine Learning is NOT
3. Understanding

### D. Video 4: Essential Math

1. Multivariate Calculus
2. Probability Theory and Statistics
3. Linear Algebra