

Lecture 2 (Introduction)

1 Course Objectives

1. Preparing with foundational concepts in ML
2. Learn various ML algorithms
3. What algorithm to apply in what setting?
4. Understanding limitations
5. Abstracting out real-world problems
6. Learning the engineering aspect of ML (programming and getting our hands dirty)

1.1 Why ML is being Studied Today?

1. Large amounts of data
2. Availability of highly efficient computing resources
3. Development of well-founded techniques

2 What is ML (formal definition)

1. Finding patterns in data
2. Predictions on unseen, new data

3 ML Settings

Discussed a few applications of ML