

# Lecture 1: Introduction

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## 1 Overview

- Week 1-3: Classical AI, search algorithms
  1. Uninformed search
  2. Local search: hill climbing
  3. Informaed search: A\*
  4. Adversarial search Minimax
- Week 4-7: Classical ML
  1. Decision trees
  2. Linear/Logistic regression
  3. Kernels and support vector machines
  4. "Classical" unsuperivese learning
- Week 10-12: Modern ML
  1. Neural networks
  2. Deep learning
  3. Sequential data
- Week 13: Misc.