

Week 1

Week 2

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Grades

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**Discussion Forums** 

Messages

Course Info

# Week 1

Machine Learning Modeling Pipelines in Production

# Week 1 Discuss the topic here. Go to forum 13 threads - Last post 18 days ago

#### Week 1: Neural Architecture Search



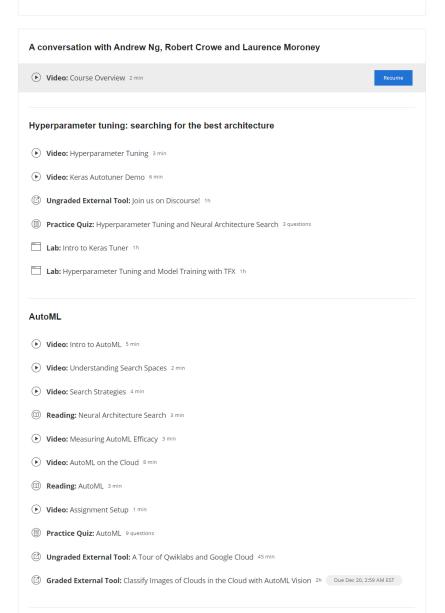
Robert Crowe

Learn how to effectively search for the best model that will scale for various serving needs while constraining model complexity and

### Learning Objectives

- Recognize the cases where Neural Architecture Search is the appropriate tool to find the right model architecture.
- Distinguish between trainable parameters and hyperparameters
- · Judge when manual parameter search does not scale well
- Identify search spaces and summarize the best strategies to navigate this space to find optimal architectures.
- Differentiate the advantages and disadvantages AutoML for different use cases
  Carry out different metric calculations to assess AutoML efficacy
- Identify some cloud AutoML offerings and recognize their strengths and weaknesses







Lecture Notes (Optional)

② Ungraded External Tool: Lecture Notes W1 5 min