

Assignments Overdue: You can still pass! Remember, you need to pass these assignments before the course ends on September 3, 11:59 PM PDT.

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THIS WEEK'S FORUM

Week 1

Discuss this week's modules here.

Go to forum

ML Strategy (1)

Learning Objectives

Understand why Machine Learning strategy is important

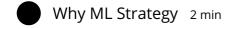
Apply satisficing and optimizing metrics to set up your goal for ML projects

Tho MSE's correct train/dev/test split of your dataset

Understand how to define human-level performance

Use human-level perform to define your key priorities in ML projects

Introduction to ML Strategy Take the correct ML Strategic decision based on observations of performances and dataset





Setting up your goal

- Single number evaluation metric 7 min
- Satisficing and Optimizing metric 5 min
- Train/dev/test distributions 6 min

- Size of the dev and test sets 5 min
- When to change dev/test sets and metrics 11 min

Comparing to human-level performance

- Why human-level performance? 5 min.
- Avoidable bias 6 min
- Understanding human-level performance 11 min
- Surpassing human-level performance 6 min
- Improving your model performance 6 min

Machine Learning flight simulator

- (B) Machine Learning flight simulator 2 min
- Quiz:
 Bird recognition in the city of Peacetopia (case study) 15 questions
 Due August 20, 11:59 PM PDT

Heroes of Deep Learning (Optional)

Andrej Karpathy interview 15 min