✓   Congratulations! You've completed Week 1   Start Week 2

ⓘ   Like this course? Become an expert by joining the Deep Learning Specialization.

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

Choose a 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

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

∧ Less

Introduction to ML Strategy

⬤   Why ML Strategy   2 min

● Orthogonalization   10 min

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 4 min

Machine Learning flight simulator

● Machine Learning flight
simulator 2 min

● **Quiz:**
Bird recognition in the
city of Peacetopia (case
study) 15 questions

Heroes of Deep Learning (Optional)

● Andrej Karpathy
interview 15 min

•