coursera

✓ Congratulations! You've completed the course.   View Final Grade

THIS WEEK'S FORUM

Week 2

Discuss this week's modules here.

Go to forum

ML Strategy (2)

Learning Objectives

Understand what multi-task learning and transfer learning are

Recognize bias, variance and data-mismatch by looking at the performances of your algorithm on train/dev/test sets

∧ Less

Error Analysis

✓ **Video:** Carrying out error analysis   10 min

✓ **Video:** Cleaning up incorrectly labeled data   13 min

✓ **Video:** Build your first system quickly, then iterate   6 min

Mismatched training and dev/test set

✓ **Video:** Training and testing on different distributions   10 min

✓ **Video:** Bias and Variance with mismatched data distributions   18 min

Video: Addressing data mismatch   10 min

Learning from multiple tasks

✓ **Video:** Transfer learning   11 min

✓ **Video:** Multi-task learning   12 min

End-to-end deep learning

✓ **Video:** What is end-to-end deep learning?   11 min

✓ **Video:** Whether to use end-to-end deep learning   10 min

Machine Learning flight simulator

✓ **Quiz:** Autonomous driving (case study)   15 questions

Heroes of Deep Learning (Optional)

✓ **Video:** Ruslan Salakhutdinov interview   17 min