



Deadline: You must submit this week's assignments by **April 8, 2018, 11:59 PM PDT**.

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

[Start Lesson](#)

Carrying out error analysis 10 min

- ▶ Cleaning up incorrectly labeled data 13 min
 - ▶ Build your first system quickly, then iterate 6 min
-

Mismatched training and dev/test set

- ▶ Training and testing on different distributions 10 min
 - ▶ Bias and Variance with mismatched data distributions 18 min
 - ▶ Addressing data mismatch 10 min
-

Learning from multiple tasks

- ▶ Transfer learning 11 min
 - ▶ Multi-task learning 12 min
-

End-to-end deep learning

- ▶ What is end-to-end deep learning? 11 min
 - ▶ Whether to use end-to-end deep learning 10 min
-

Machine Learning flight simulator



Quiz:

Autonomous driving (case study) 15 questions Due April 8, 11:59 PM PDT

Heroes of Deep Learning (Optional)

 Ruslan Salakhutdinov interview 17 min