

**Deadline:** You must submit this week's assignments by **August 27, 2017, 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

▼ More

### Error Analysis

- 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

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## Learning from multiple tasks

● Transfer learning 11 min

● Multi-task learning 12 min

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## End-to-end deep learning

● What is end-to-end deep learning? 11 min

● Whether to use end-to-end deep learning 10 min

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## Machine Learning flight simulator

● **Quiz:**  
Autonomous driving (case study) 15 questions Due in 12 hours

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## Heroes of Deep Learning (Optional)

▶ Ruslan Salakhutdinov interview 17 min

