

Deep Learning

Summer 2024 Schedule

Project check-ins will be 11:45-12 PM ET every Friday

<u>Week</u>	<u>Deep Learning Fundamentals</u>	<u>Learning PyTorch</u>
<i>June 7 12-1 PM ET</i>	Live Zoom Deep Learning Intro!	
<i>Week 1 Before June 14</i>	What is Deep Learning? fastbook ch. 1	PyTorch Overview & Tensors PyTorch ch. 1-4
<i>June 14 12-1 PM ET</i>	Live Zoom Week 1 Review	
<i>Week 2 Before June 21</i>	Deep Learning Basics fastbook ch. 4	Deep Learning Basics PyTorch ch. 5
<i>June 21 12-1 PM ET</i>	Live Zoom Week 2 Review	
<i>Week 3 Before June 28</i>	<i>n/a</i>	Neural Networks PyTorch ch. 6
<i>June 28 12-1 PM ET</i>	Project Pitch Day	
<i>Week 4 Before July 5</i>	Classification & Regression fastbook ch. 5 & 6	<i>n/a</i>
<i>July 5 12-1 PM ET</i>	Networking Event	
<i>Week 5 Before July 12</i>	Recommender Systems & Tabular Modeling fastbook ch. 8 & 9	<i>n/a</i>
<i>July 12 5PM</i>	Project Teams and Topic Due Date	
<i>Week 6 Before July 19</i>	Computer Vision 1: Image Preprocessing fastbook ch. 7	Computer Vision 1: Images PyTorch ch. 7
<i>Week 7 Before July. 26</i>	Computer Vision 2: CNNs fastbook ch. 13	Computer Vision 2: CNNs PyTorch ch. 8
<i>Week 8 Before Aug. 2</i>	Computer Vision 3: ResNet fastbook ch. 14	Computer Vision 3: CT scans PyTorch ch. 9

Cont'd

Week 9 Before Aug. 9	NLP 1: Text Preprocessing fastbook ch. 10	<i>n/a</i>
Week 10 Before Aug. 16	NLP 2: RNNs fastbook ch. 12	<i>n/a</i>
Week 11 Before Aug. 23	NLP 3: Transformers details in GitHub	<i>n/a</i>
Week 12 Before Aug. 30	Productionization fastbook ch. 2 & 3	Deployment PyTorch ch. 15
August 29 5 PM ET	Final Project Due	