

Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization

by deeplearning.ai



Welcome to Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization! You're joining thousands of learners currently enrolled in the course. I'm excited to have you in the class and look forward to your contributions to the learning community.

To begin, I recommend taking a few minutes to explore the course site. Review the material we'll cover each week, and preview the assignments you'll need to complete to pass the course. Click **Discussions** to see forums where you can discuss the course material with fellow students taking the class.

If you have questions about course content, please post them in the forums to get help from others in the course community. For technical problems with the Coursera platform, visit the Learner Help Center.

Good luck as you get started, and I hope you enjoy the course!

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Congratulations!

You've successfully completed Course 2 of 5: **Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization**

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Keep going!

<div> <div>✓</div> <div>WEEK 1</div> <div>^</div> </div>		
Practical aspects of Deep Learning		
	Videos	Done
	Other	Done
<hr/>		
REQUIRED	GRADE	DUE
<div> <div>🔴</div> <div> Quiz Practical aspects of deep learning 20 min </div> </div>	100%	Mar 18
<div> <div>⌂</div> <div> Programming Assignment Initialization </div> </div>	100%	Mar 18
<div> <div>⌂</div> <div> Programming Assignment Regularization </div> </div>	100%	Mar 18
<hr/>		
<div> <div>✓</div> <div>WEEK 2</div> <div>^</div> </div>		
<div> <div>⌂</div> <div> Programming Assignment Gradient Checking 1h Optimization algorithms </div> </div>	100%	Mar 18
	Videos	Done
	Other	Done
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REQUIRED	GRADE	DUE
<div> <div>🔴</div> <div> Quiz Optimization algorithms 20 min </div> </div>	100%	Mar 25
<hr/>		
<div> <div>✓</div> <div>WEEK 3</div> <div>^</div> </div>		
<div> <div>⌂</div> <div> Programming Assignment Optimization 30 min Hyperparameter tuning, Batch Normalization and Programming Frameworks </div> </div>	100%	Mar 25
	Videos	Done

		Other	Done
REQUIRED		GRADE	DUE
<div>  Quiz </div> <div> Yes, I'd like to receive email about other programs from deeplearning.ai. </div> <div> 20 min </div>	Hyperparameter tuning, Batch Normalization, Programming Frameworks	100%	Apr 1
<div>  Programming Assignment </div> <div>Tensorflow</div>		100%	Apr 1