

Week 1

Week 2

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Week 5

Grades

Notes

Discussion Forums

Messages

Course Info

Week 5

Machine Learning Modeling Pipelines in Production

Week 5 Discuss the topic here. Go to forum 1 threads · Last post 6 months ago

Week 5: Interpretability



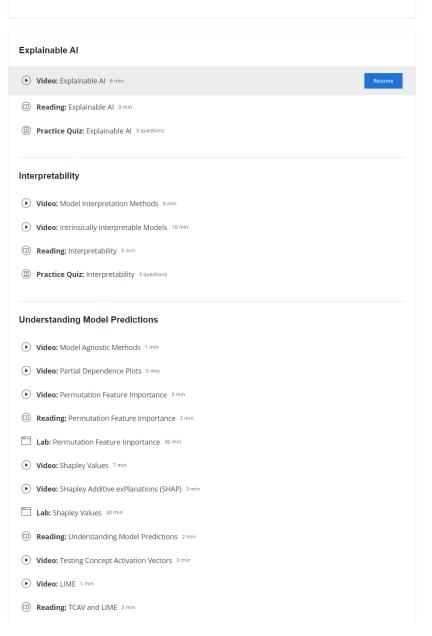
Robert Crowe

Learn about model interpretability - the key to explaining your model's inner workings to laypeople and expert audiences and how it promotes fairness and helps address regulatory and legal requirements for different use cases

Learning Objectives

- Deconstruct a model to understand and explain how it is making predictions
- Determine tools to make your models explainable to yourself and others in easy to understand terms
- Provide mechanisms to address model fairness and compliance with regulatory requirements
 Differentiate and compare different methods to extract interpretation of models by introspection or explanation
- Distinguish between multiple available techniques such as: Partial Dependance Plots, SHAP and LIME; to provide insight into how model predictions are actually made
- Use cloud managed service for Al explanations







• Video: Al Explanations 5 min
© Reading: Al Explanations 2 min
Practice Quiz: Understanding Model Predictions 4 questions
Lecture Notes (Optional)
Ungraded External Tool: Lecture Notes W5 5 min
Course Resources
Reading: Course 3 Optional References 10 min
Acknowledgments
Reading: Acknowledgements 3 min
Reading: Join our DeepLearning.Al Community! 10 min