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Course Info

Week 4

Machine Learning Modeling Pipelines in Production

Week 4 Discuss the topic here. Go to forum 4 threads · Last post 23 days ago

Week 4: Model Analysis



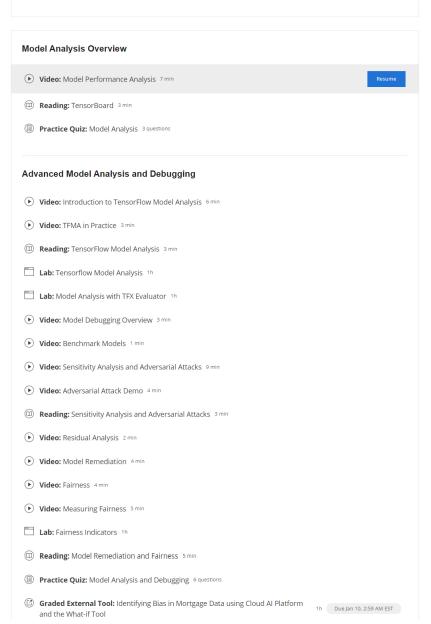
Robert Crowe

Use model performance analysis to debug and remediate your model and measure robustness, fairness, and stability.

Learning Objectives

- Determine and analyze model performance through metric based black box evaluation
 Carry out model introspection to reflect on how different components of a model affect performance
- Integrate TensorFlow Model Analysis to your production pipeline
- Use different slices of data to gain further insight on your models pitfalls and shortcomings
 Establish tools and analysis to fix and debug your models
- Determine how to monitor and protect your models against random and adversarial attacks Check model fairness and evaluate model performance against commonly used fairness metrics
- Provide ways to continuously evaluate and monitor your models in production for ensuring stable performance of ML applications

∧ Show Less





Continuous Evaluation and Monitoring Video: Continuous Evaluation and Monitoring 14 min Reading: Continuous Evaluation and Monitoring 5 min Practice Quiz: Continuous Evaluation and Monitoring 6 questions Lecture Notes (Optional) Ungraded External Tool: Lecture Notes W4 5 min