**coursera**

## Machine Learning Operations (MLOps) and pipelines

### Machine Learning Pipelines with Amazon SageMaker

✅ **Video:** Machine Learning Pipelines with Amazon SageMaker Pipelines
18 min

✅ **Video:** Machine Learning Pipelines with Amazon SageMaker Projects
1 min

✅ **Video:** Amazon SageMaker Projects Demo
6 min

✅ **Video:** Week 3 Summary
2 min

✅ **Reading:** Week 3: optional references
10 min

### Practice

✅ **Practice Quiz:** Week 3 quiz
7 questions

🔗 **Graded External Tool:** SageMaker pipelines to train a BERT-Based text classifier
2h

### Course Resources

✅ **Reading:** Course 2 Optional References
10 min

### Acknowledgements

📖 **Reading:** Acknowledgements
10 min

# Course 2 Optional References

If you wish to dive more deeply into the topics covered this week, feel free to check out these optional references.

## Week 1 Feature Engineering and Feature Store:

- [RoBERTa: A Robustly Optimized BERT Pretraining Approach](#)

- [Fundamental Techniques of Feature Engineering for Machine Learning](#)

## Week 2 Train, Debug, and Profile a Machine Learning Model:

- [PyTorch Hub](#)

- [TensorFlow Hub](#)

- [Hugging Face open-source NLP transformers library](#)

- [RoBERTa model](#)

- [Amazon SageMaker Model Training (Developer Guide)](#)

- [Amazon SageMaker Debugger: A system for real-time insights into machine learning model training](#)

- [The science behind SageMaker's cost-saving Debugger](#)

- [Amazon SageMaker Debugger (Developer Guide)](#)

- [Amazon SageMaker Debugger (GitHub)](#)

## Week 3 Deploy End-To-End