

# Course 1 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 Explore the Use Case and Analyze the Dataset:

- [AWS Data Wrangler](#)
- [AWS Glue](#)
- [Amazon Athena](#)
- [Matplotlib](#)
- [Seaborn](#)
- [Pandas](#)
- [Numpy](#)

## Week 2 Data Bias and Feature Importance:

- [Measure Pretraining Bias - Amazon SageMaker](#)
- [SHAP](#)

## Week 3 Automated Machine Learning:

- [Amazon SageMaker Autopilot](#)

## Week 4 Built-in algorithms:

- [Elastic Machine Learning Algorithms in Amazon SageMaker](#)
- [Word2Vec algorithm](#)
- [GloVe algorithm](#)
- [FastText algorithm](#)
- [Transformer architecture, "Attention Is All You Need"](#)
- [BlazingText algorithm](#)
- [ELMo algorithm](#)
- [GPT model architecture](#)
- [BERT model architecture](#)

- [Built-in algorithms](#)
- [Amazon SageMaker BlazingText](#)