














## Built in algorithms

-  **Video:** Introduction  
2 min
-  **Video:** Built in algorithms  
4 min
-  **Video:** Use cases and algorithms  
11 min
-  **Video:** Text analysis  
9 min
-  **Video:** Train a text classifier  
3 min
-  **Video:** Deploy the text classifier  
1 min
-  **Video:** Week 4 summary  
2 min
-  **Reading:** Additional reading material  
10 min


## Practice

-  **Practice Quiz:** Week 4  
6 questions
-  **Graded External Tool:**  
Train a text classifier using Amazon SageMaker BlazingText built-in algorithm  
2h

## Course Resources

-  **Reading:** Course 1 Optional References  
10 min

## Acknowledgements

-  **Reading:** Acknowledgements  
10 min



# Additional reading material

If you wish to dive more deeply into the topics covered this week, feel free to check out these optional references. (You won't have to read these to complete this week's practice quizzes.)

- [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](#)

✓ Complete

[Go to next item](#)