

8.1

Working With Text Data

Part 1: Text Modeling Considerations

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Deep Learning Fundamentals, Unit 8

Lightning AI

Raw text data

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the [1500s](https://...), when an unknown printer took a galley of type and scrambled it to make a type specimen book.



Preprocessed text data

(e.g., strip HTML)

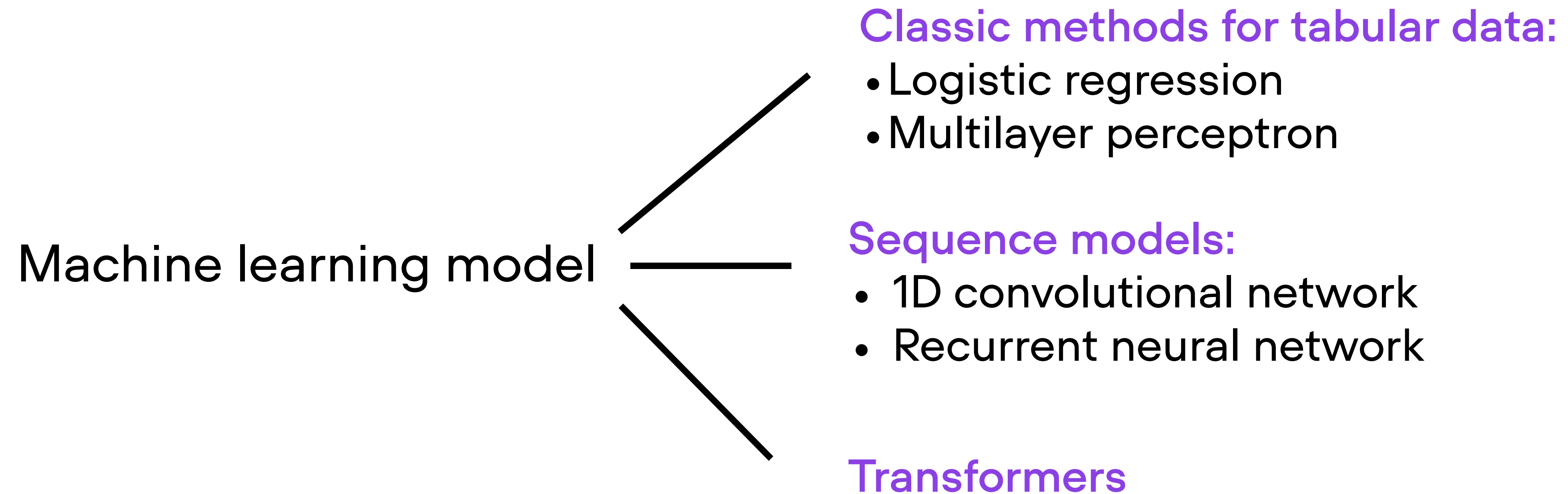
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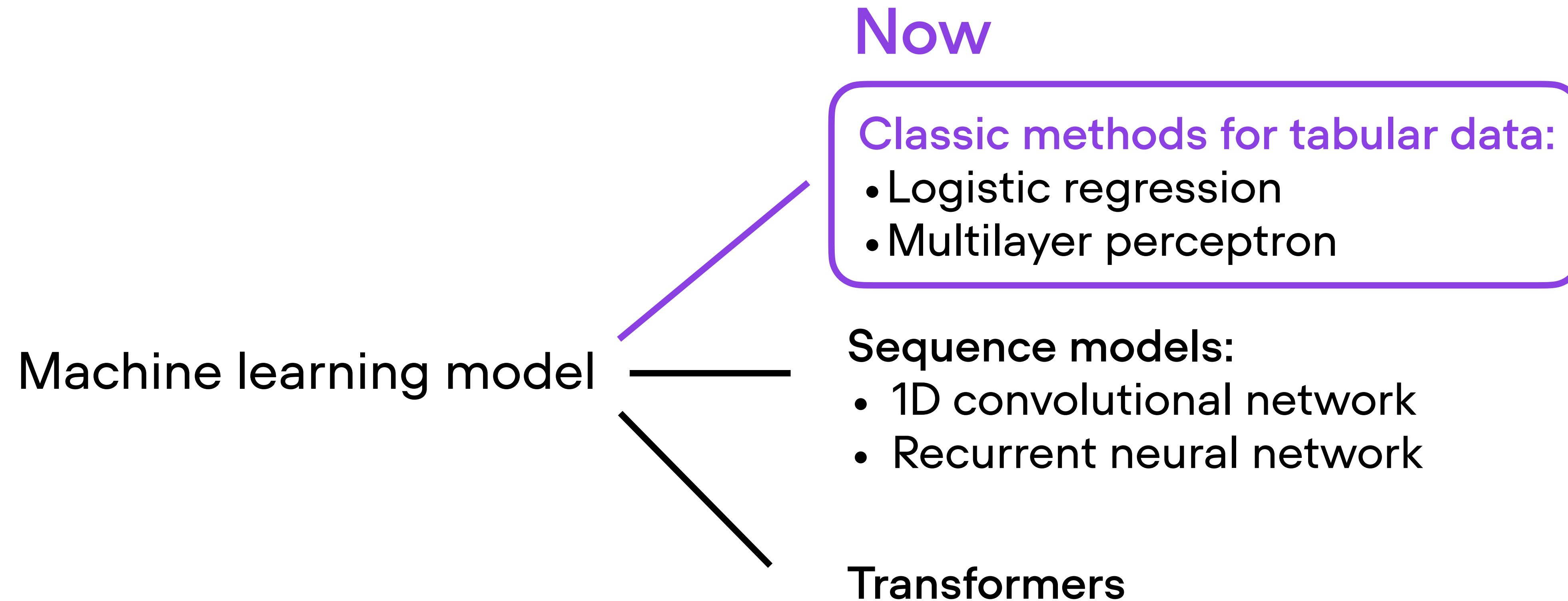


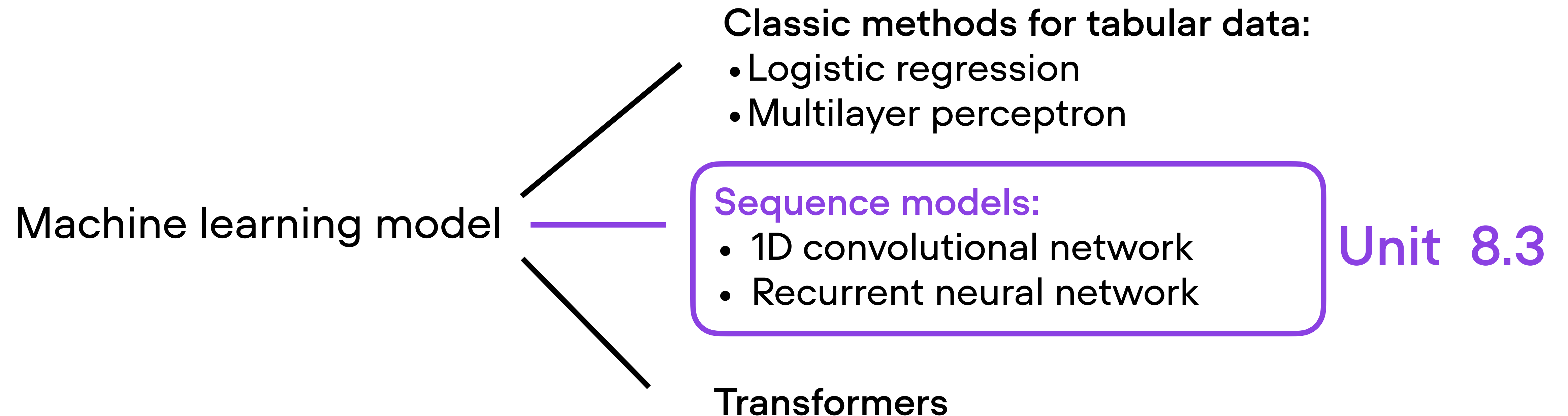
Feature vector

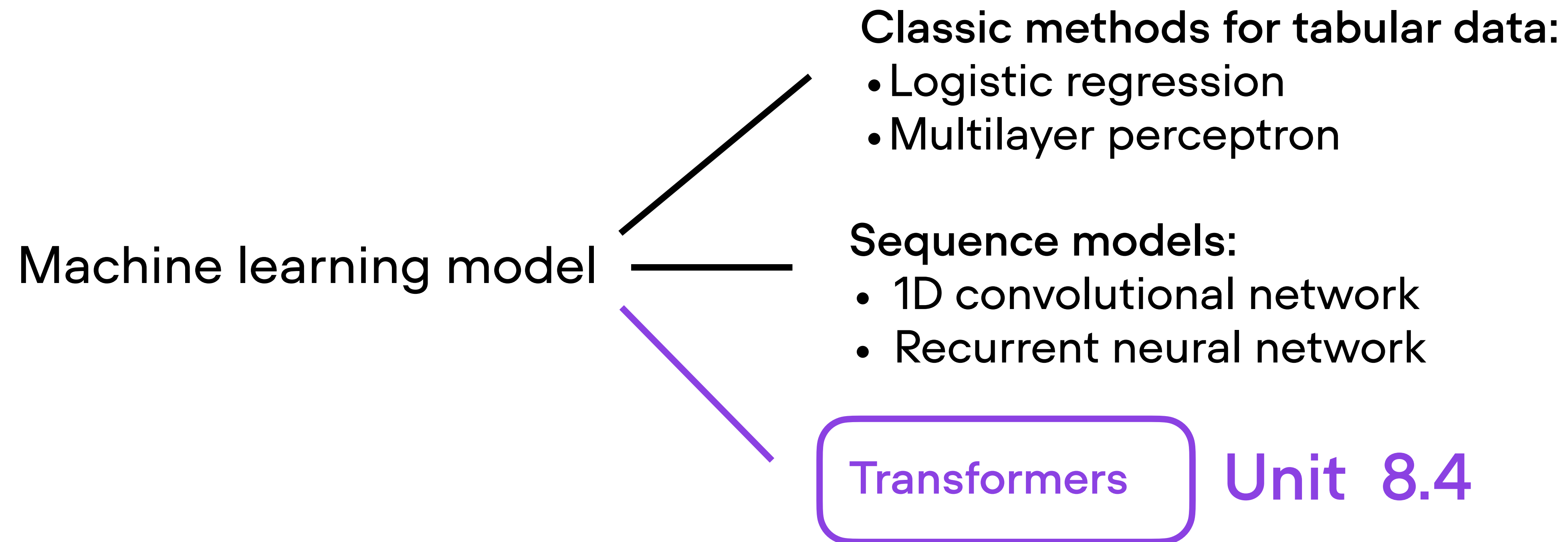


Machine learning model





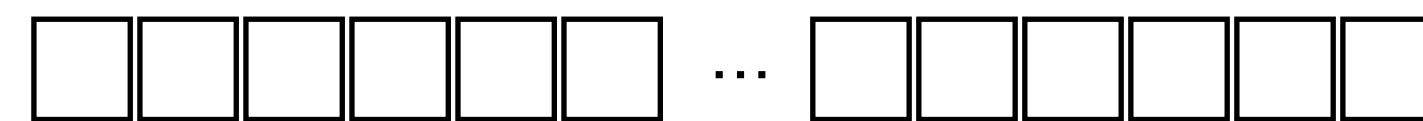




Text



Feature vector



2 popular options

1. Bag-of-words model
2. Embedding layer

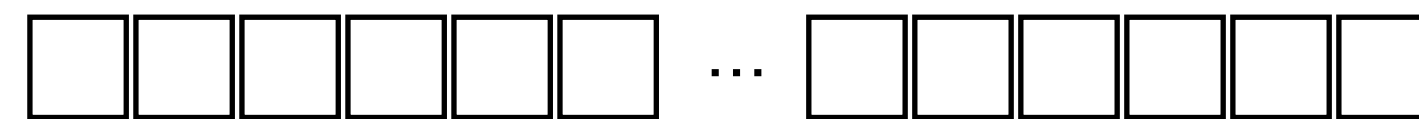


Machine learning model

Text



Feature vector



Machine learning model

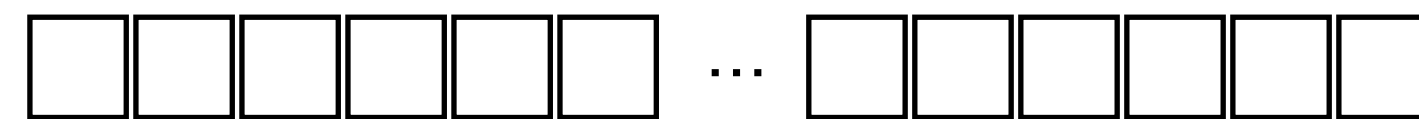
Now

1. Bag-of-words model
2. Embedding layer

Text



Feature vector



1. Bag-of-words model
2. Embedding layer

Unit 8.3



Machine learning model

Next: The bag-of-words model