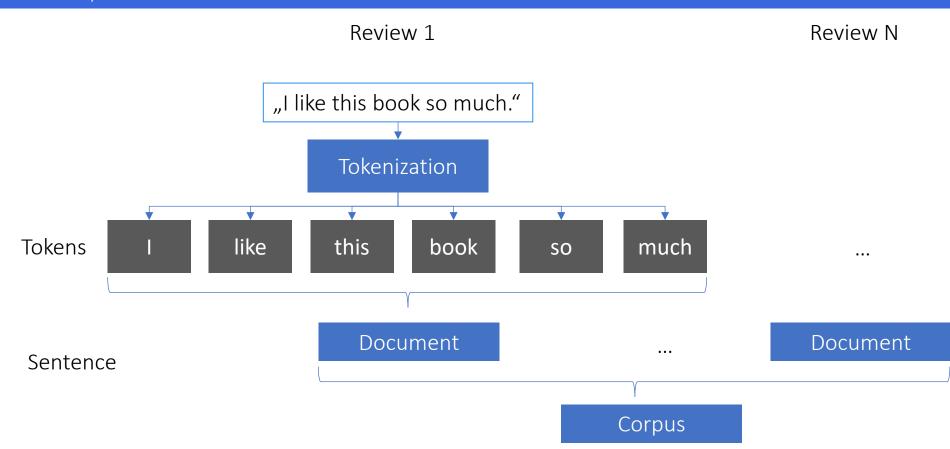
**NLP Model Tasks** 

Neural Network Prediction Input Text Word Embedding (usually also based on Neural Network) "I like this book so much I cannot "

Text is converted to numerical representation.

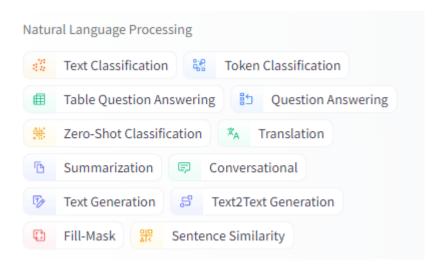
Neural Networks can only consume numbers, not text!

Vocabulary



#### Introduction

- often you don't want to train a word embedding / NLP model
- instead use a pre-trained model directly
- <u>huggingface.co</u> provides lots of models





Source: <a href="https://huggingface.co/models">https://huggingface.co/models</a>

Coding examples - Sentiment



#### sentiment-analysis

```
'Das finde ich ganz ok.'

[{'label': '3 stars', 'score': 0.534758448600769}]
```

Different models available for the same task.