BERT

Solving tasks with BERT



Learning goals

- defined the key learning goals here
- second learning goal

HUGGINGFACE

- General Link: https://huggingface.co/
- transformers: Python library for state-of-the-art NLP
 Wolf et al., 2020 huggingface transformers documentation
- Further I: Model Hub for sharing model weights
 huggingface models
- Further II: Hosting APIs / Apps for interacting with models
 huggingface spaces

DOCUMENT CLASSIFICATION

◆ Assume the ► IMDB data set :

```
1 from datasets import load_dataset
2 dataset = load_dataset("imdb", split = "train")
```

• Split the training data into train and validation

```
train_data = dataset.train_test_split(test_size = 0.2)
```

```
DatasetDict({
    train: Dataset({
        features: ['text', 'label'],
        num_rows: 20000
}
test: Dataset({
    features: ['text', 'label'],
        num_rows: 5000
})
```

DOCUMENT CLASSIFICATION

Load model and tokenizer:

A SLIDE WITH A FIGURE

