

Fine Tune BERT for Text Classification with TensorFlow

✓ Reading: Project-based Course Overview10 min

✓ Reading: Resources on how BERT works10 min

✓ Guided Project: Fine Tune BERT for Text Classification with TensorFlow2h 6m

📋 Quiz: Graded Quiz: Test your Project Understanding4 questions

🗣️ Course End Survey - We appreciate your feedback!15 min

Graded Quiz: Test your Project Understanding

Quiz • 10 min

Total points 4

Review Learning Objectives

1. Which deep learning architecture is BERT based on?

Submit your assignment

1 point

Start assignment

Recurrent Neural Networks (RNN)

Attempts 3 every 8 hours

Long short-term memory (LSTM)

Transformers

Receive grade

Pass 80% or higher

Convolutional Neural Networks (CNN)

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2. The paradigm of unsupervised (or semi-supervised) pre-training followed by supervised fine-tuning has revolutionized NLP. Which of the following tasks was BERT pre-trained on?

1 point

☒ Masked language modeling

☐ Sentiment analysis

☐ Named entity recognition

☒ Next sentence prediction

3. For the BERT uncased model used in the project, what is the maximum supported input size (per sequence)?

1 point

☐ 768

☒ 512

☐ 128

4. Inputs to BERT have to be tokenized before inference. In what order are the following steps supposed to be performed?

1 point

☐ 1. Substitute tokens with their ids

2. Prepend [CLS] and append [SEP] tokens

3. Split input string into tokens

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