Homework 3 Report

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Deep Learning (CPSC 8430)

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March 24

2024

GitHub Link

https://github.com/hosseinAB30/Deep-Learning-CPSC-8430

Project

- A BERT language model on Spoken SQuAD data is tuned.

- The base model is obtained from: https://huggingface.co/bert-base-uncased

- It is fine-tuned by adding a linear layer to downscale BERT feature outputs. The linear layer outputs two values corresponding to the logits of a given sentence's beginning and ending. The data is also tokenized.

- Learning rate of 1e-4 and batch size of 8 are used.

- Results:

```
******************************* RESULTS ********************************
Test Set  - Exact match: 62.08, F1 score: 72.70
WER44 Set - Exact match: 39.06, F1 score: 53.93
WER44 Set - Exact match: 27.85, F1 score: 41.57
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