

國立高雄大學應用數學系

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BERT for Chinese Question Answering

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摘要：

BERT has excellent performance on the Question Answering system (QA-system) in natural language processing tasks. Although BERT, which uses simple tasks for pre-training, can understand natural language to a certain extent, when BERT solves problems, it must undergo fine-tuning for the task to exert its true strength. This is also true for QA-system. So we proposed a change to the loss on QA-system to assist BERT in fine-tuning on QA-system. In addition, we also evaluate the pre-training models ALBERT and RoBERTa of BERT extension. Through the test results on Delta Reading Comprehension Dataset (DRCD), our method can get better results under these models. To further explore the effect of our method, compared to the DRCD data set taken from Wikipedia, we have additionally labeled a data set with a completely different textual thinking, taken from the reading test of the primary school assessment, and did not put it in the training set. In this test set, our method can still get better results, which means that it has a certain generalization ability in the model and data.