Intent Classification

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Objective

Develop a chatbot to understand the real customer intent out of the customer's opening message.

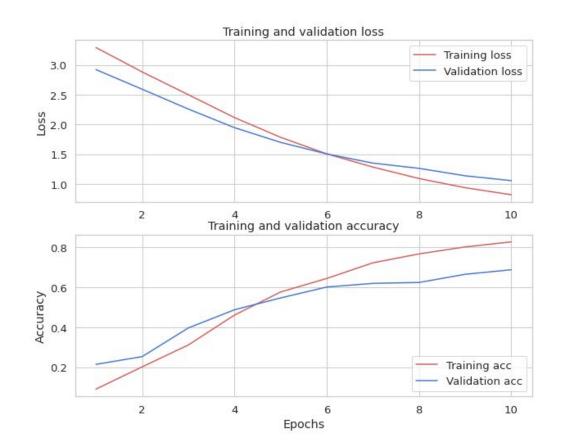
BERT

BERT is designed to help computers understand the meaning of ambiguous language in text by using surrounding text to establish context. The BERT framework was pre-trained using text from Wikipedia and can be fine-tuned with question and answer datasets.

Process

- Load data from csv and preprocess it for training and test
- Load a BERT model from TensorFlow Hub
- Build model by combining BERT with a classifier
- Train model, fine-tuning BERT
- Save model and use to recognize the intent of Messages
- Create REST API for predictions





Loss: 0.45

Accuracy: 0.93

Examples of model performance