



EAI6010 - Module 3

Text Classification with Transfer Learning

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Text Classification with Transfer Learning

Dataset used are from stack overflow dataset.

Trained the dataset using language model learner to find optimal learning rate as shown in Figure 1 below.

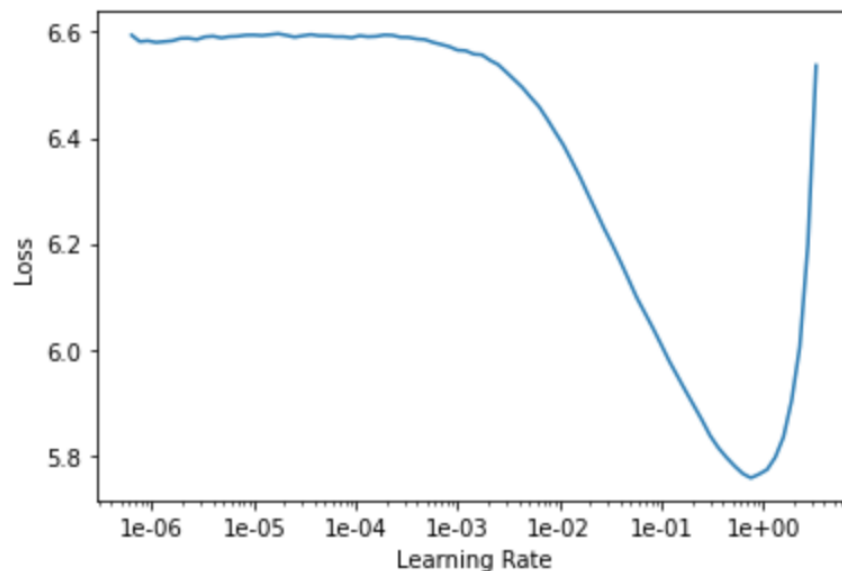


Figure 1: Optimal learning rate plot

The best accuracy with this model was 33.5%.

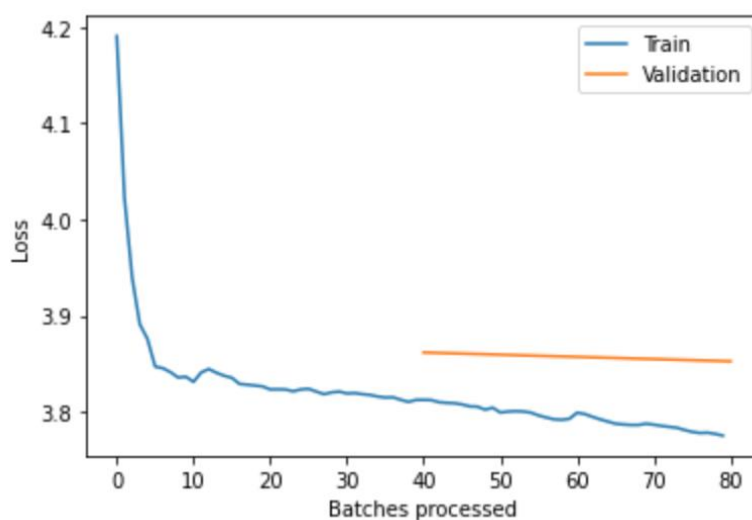


Figure 2: Recorded loss for the model

Trained the classifier using text classifier learner. After fine-tuning the best accuracy of the classifier was 83.5%.

The confusion matrix for the model is as below.

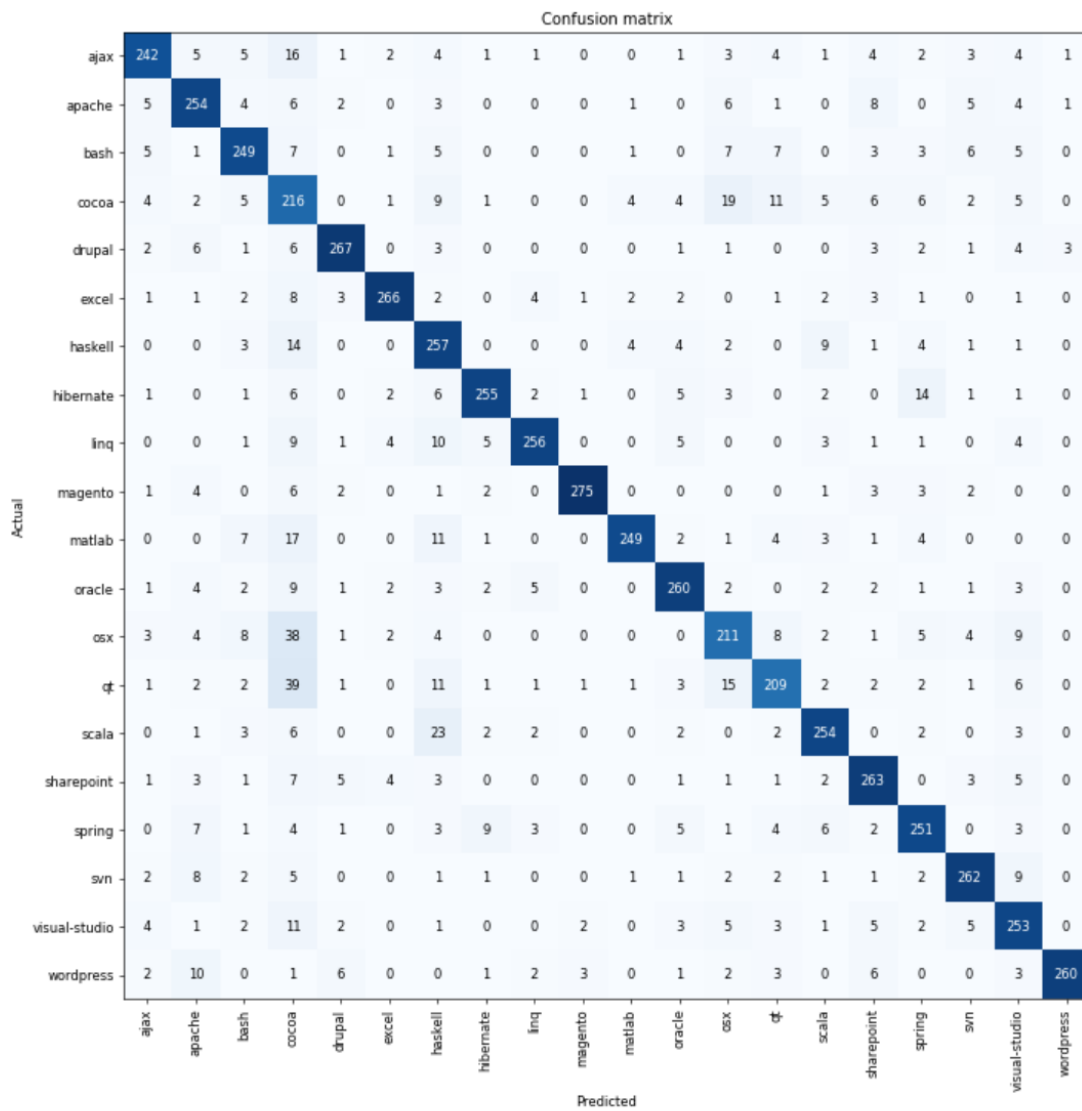


Figure 3: Confusion matrix for the classifier model.

The model was extracted and stored back to the google drive.