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Movie review classifier

Using BERT model

Hyper parameter tuning (learning rate)

I used 7 learning rates for the processed and unprocessed I used epochs until the model wasn’t learning any moreor the model started to overfit

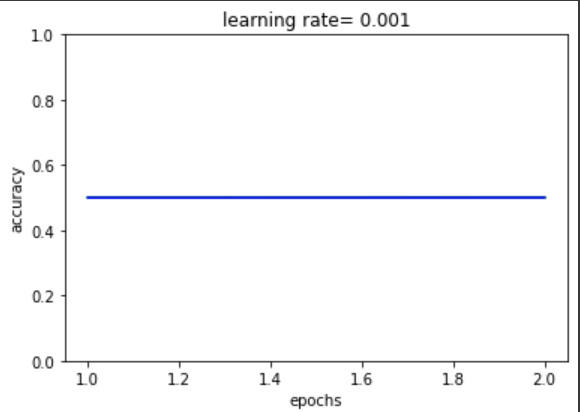
Then I chose the highest accuracy for the processed and un processed and then evaluated the model using it

**The preprocessed data**:

Graph of train and validation accuracy against the epochs:

Validation accuracy ---> green

Training accuracy --->blue

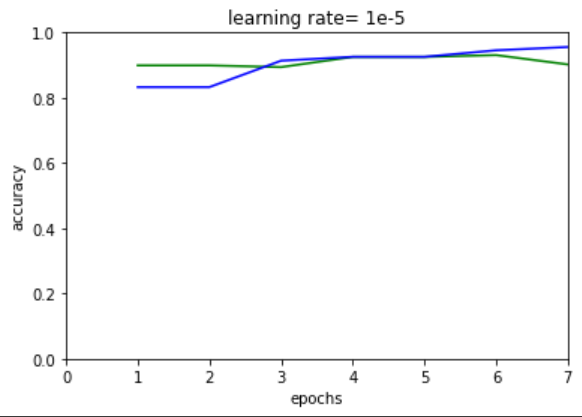


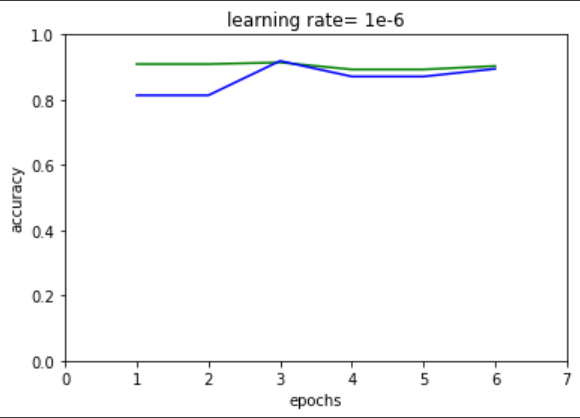
Chart

Description automatically generatedChart

Description automatically generated

Chart

Description automatically generated



Chart

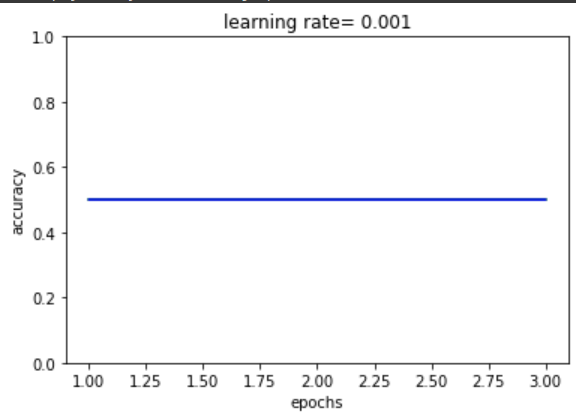
Description automatically generated

**The original data**:

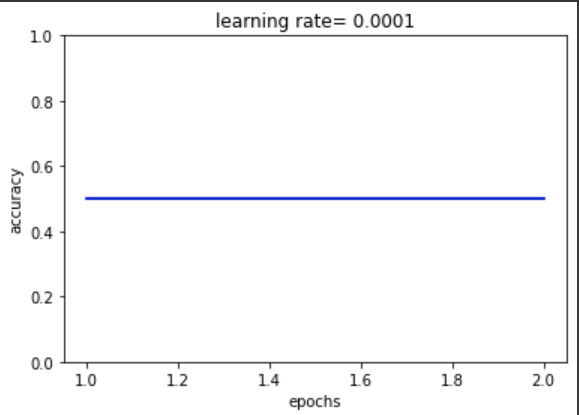
Graph of train and validation accuracy against the epochs:

Validation accuracy ---> green

Training accuracy --->blue



Chart

Description automatically generated

Chart

Description automatically generated

Chart

Description automatically generated

Chart

Description automatically generated

Chart, line chart

Description automatically generated

Chart, bar chart

Description automatically generated

Chart, bar chart

Description automatically generated

Table

Description automatically generated

Table

Description automatically generated with low confidence

Evaluating the model:

Unprocessed

Calendar

Description automatically generated

Processed

Calendar

Description automatically generated

Conclusion :

Unprocessed model for data is better because sometimes processing the data may remove the sentence of the meaning