

Practical No: 5

Aim: Movie Review analysis using DNN (By wing IMDB Dataset)

Requirements: Install the required libraries like. tencorflow matplotlib, then load topadataset.

Theory: - 19 Supplemental to the continues

To classify movie reviews as the or we using DNN. We we a dataset of movie reviews from the IMDB website

How it works:

(1) Dataset (IMDB):-

kenas provides a preprogsed dataset of 50,000 movie reviews labelled as partue (1) or we (0) we we the most frequent 10,000 words.

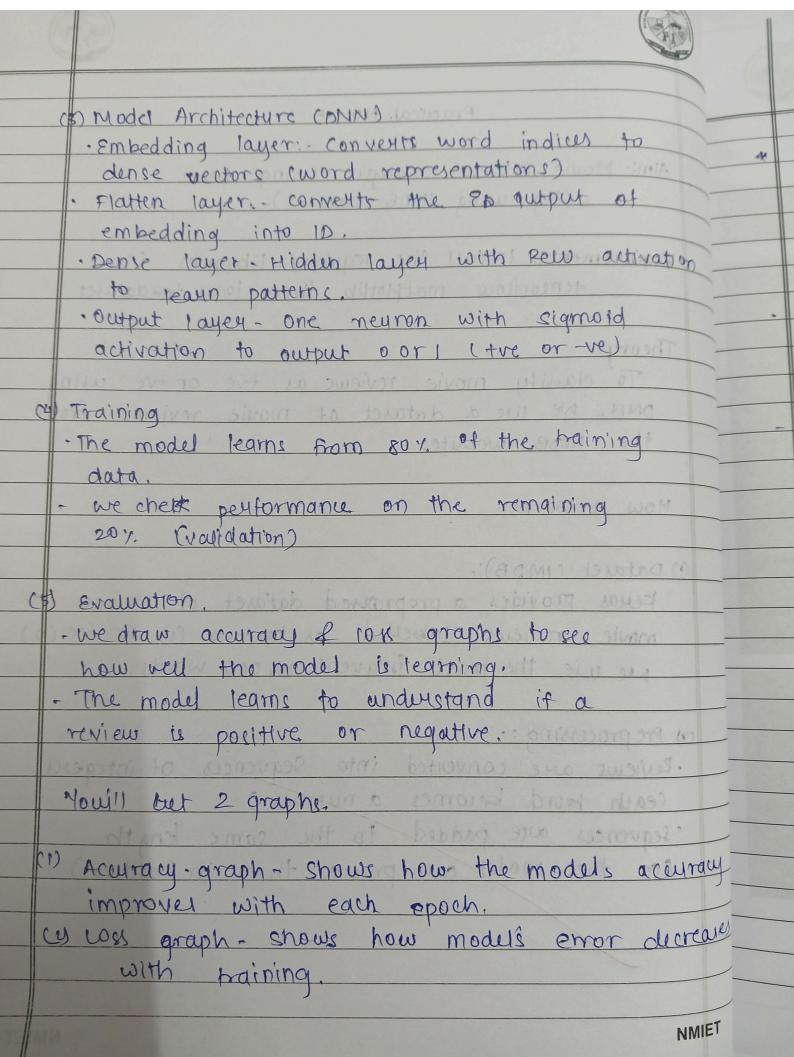
en pre processing:

Reviews are converted into sequences of integers reach word becomes a number)

when word swarrs - Narma 1901 to

prince at w

· sequences are padded to the same length (so the model can process them in batches)





sentiment analysis is a type of NLP technique used to determine the emotional tone behind words. It is widely used in applications like product review analysis, social media monitoring & customen feedback systems.

In this experiment, we use DNN to analyze the sentiment of movie review from the IMDB dataset & classify them as the or re.

Dataset:

The IMPB (Internet movie databases) dataset is a collection of 50,000 movies reviews labelled with tentiment crowsitive or negative)

It is widely used bonchmark dataset in felled of NLP & text classification.

Conclusion:

we performed or built a DNN based sentiment analysis model that classifies movie reviews with good accuracy the performance graphs helps you to undustand the learning behavior of model 4 whether it generalizes well on unseen data.

DNN model successfully classifier moview reviews into the or -ve categories with