PROJECT

Sentiment Analysis Using LSTM Model

Build a LSTM model to detect sentiment (i.e. detect if a sentence is positive or negative) using PyTorch and TorchText. This will be done by using the provided IMDb dataset. Dataset has been uploaded in "Files" section.

Steps to follow:

1. Load in and visualize the data (0.5 point)
2. Data Processing (1 point point)
3. Splitting to train and test data (1 point)
4. Analysing sentiment (0.5 point)
5. Tockenization (1 point)
6. Analysis of review length (0.5 point)
7. Padding (0.5 point)
8. Batching and loading as tensor (batch size =50) (1 point)
9. Model Designing (2 point)
10. Training (Calculate training lose and training accuracy) (2 point)

Description: Pad each of the sequence to max length. You need to add an embedding layer and use that layer as a lookup table. You can train that embedding layer using Word2Vec.

Instruction for submission:

- You have to submit single python notebook.
- Mention each step clearly