

CS563: Natural Language Processing

Indian Institute of Technology Patna

Assignment 4

Neural Language Model

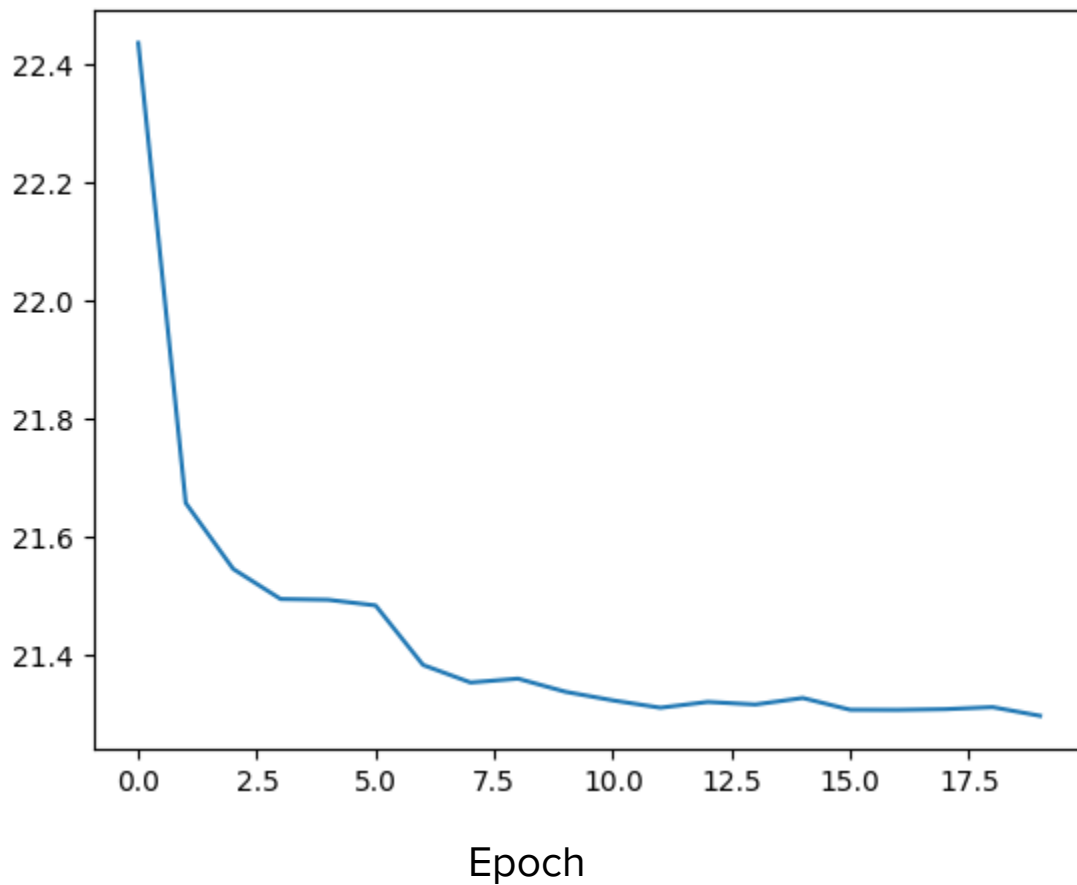
LOGS

Group Members:

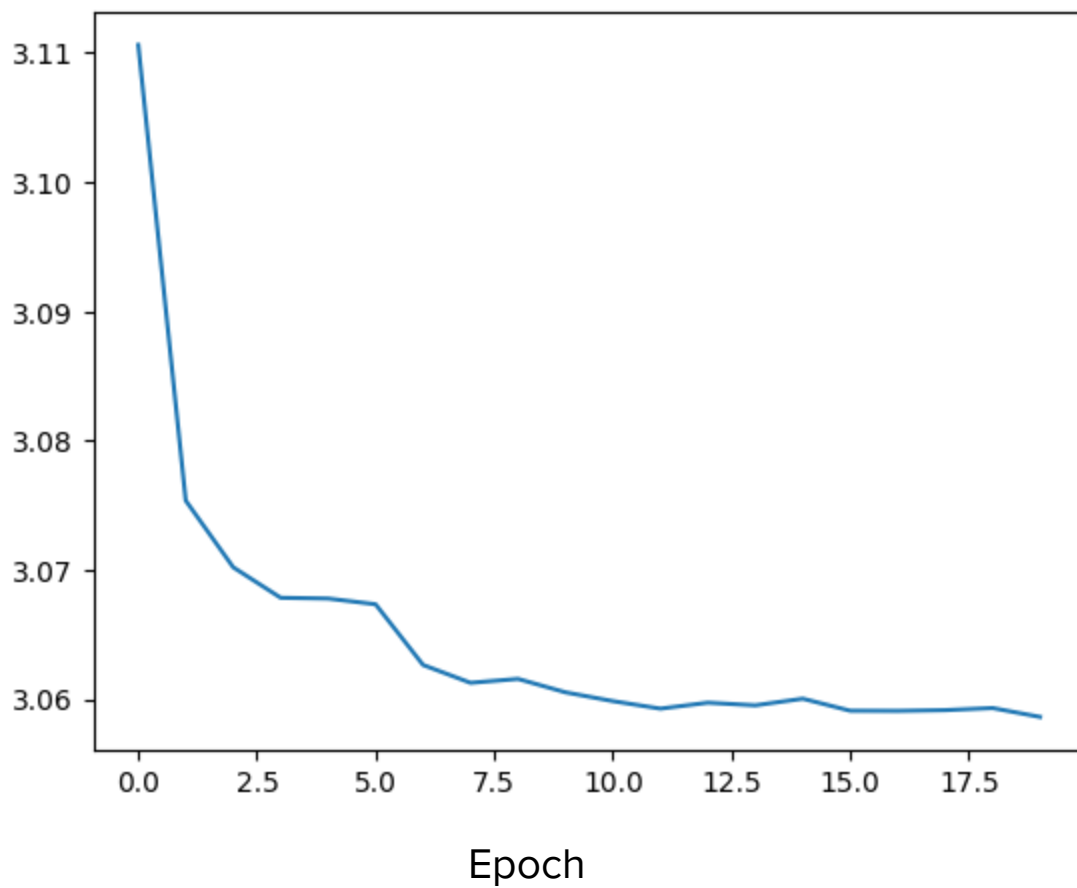
- Muhammed Sinan C K (1901CS38)
- Vaishakh Sreekanth Menon (1901CS68)
- Varsha Tumburu (1901CS69)

Results (2-GRAM)

Perplexity



Train Loss



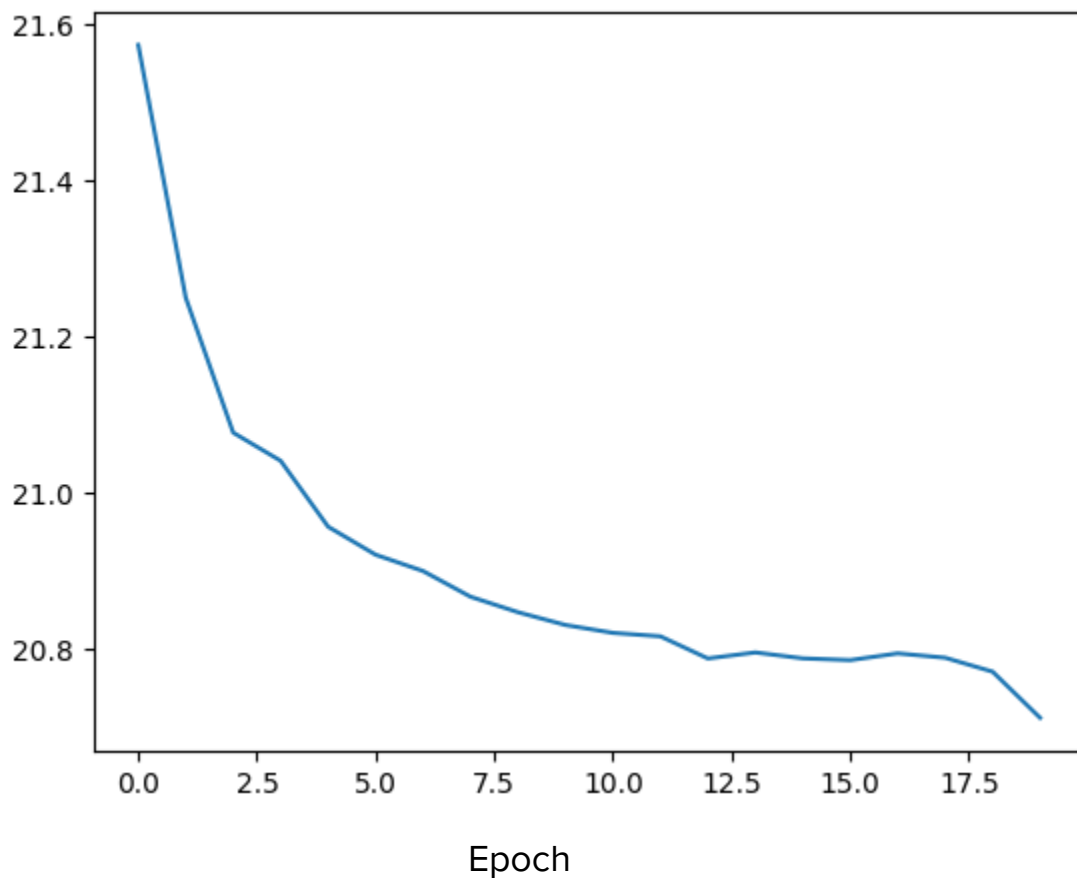
Test set results

Test Loss: 3.0628, Test Accuracy: 29.11%

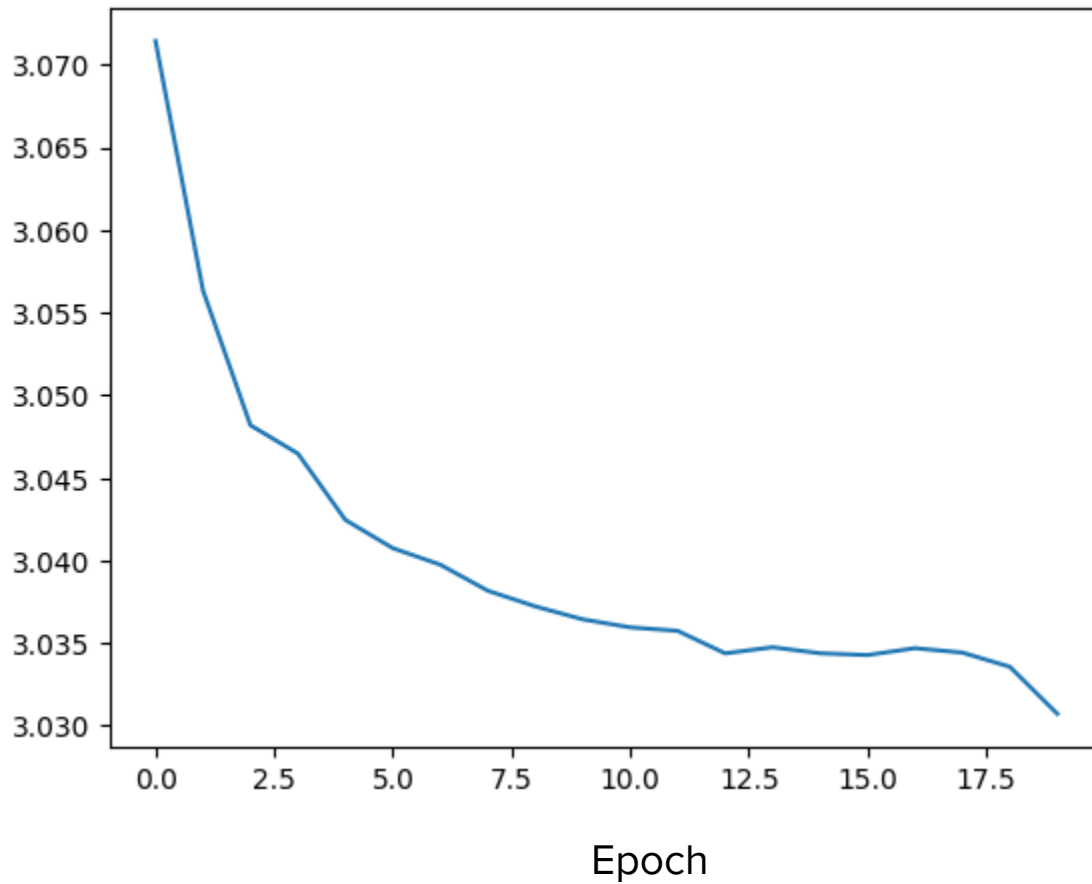
Test perplexity: 21.38652187585987

Results (3-GRAM)

Perplexity



Train Loss



Test set results

Test Loss: 3.0310, Test Accuracy: 32.02%

Test perplexity: 20.717172561766183

