

AI-ML for Beginners

Homework 4 (Optional)

Open the following colab notebook and complete the assignment:

https://colab.research.google.com/drive/1NU9Xo2m_fK2zBK1055l8E_fvRXKpkZhI?usp=sharing

Follow all the steps specified in it. Include link to your solved notebook in your submission. There are detailed TODOs specified in the colab link, you should complete all of them.

Report the following:

1. The number of params used by the simple (non-Attention) Seq2Seq model.
2. Training and Validation loss for the simple (non-Attention) Seq2Seq Model. Our implementation attains 0.6244, 0.6932 for training and validation loss at the end of 15 epochs.
3. Training and Validation accuracies for the simple (non-Attention) Seq2Seq Model. Our implementation attains 0.80%, 0.79% training and validation accuracy at the end of 15 epochs.
4. The number of params used by the Attention Seq2Seq model.
5. Training and Validation loss for the Attention Seq2Seq Model. Our implementation attains 0.3913, 0.5606 for training and validation loss at the end of 10 epochs.
6. Training and Validation accuracies for the Attention Seq2Seq Model. Our model attains 0.87%, 0.84% training and validation accuracy at the end of 10 epochs.(you can paste these into the pdf from the output log)
7. Test Avg. CER for the Simple Seq2Seq model 8. Test Avg. CER for the Attention Seq2Seq mod