

Workshop 12

Text Generation

Preparing the Environment

1. Install keras
2. Install keras-preprocessing
3. Install tensorflow

Task 1

- Go through the given Jupyter Notebook.
- Explain what we are trying to do in the notebook step by step.
 - The current setting is batch size of 128 and 300 epochs.
 - Try adjusting hyperparameters for small models.
- Submit your explanation on MS Teams by 1:30pm.

Task 2

Refer to the Harry Potter Books provided in workshop 11.

1. Train two text generation models for Harry Potter (i.e. big and small models).
2. Use such models to generate the next chapter of Harry Potter.
3. Save the generated chapter as a text file.
4. Compare and analyze the generated text from those two models.

Submit your code along with the generated text files on MS Teams by 1:30pm.