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Advanced Machine Learning – Assignment 4

- 1) Cutoff reviews after 150 words
- 2) Validate on 10,000 samples
- 3) Consider only the top 10,000 words
- 4) Restrict training samples to 100

A first basic sequence model:	Test accuracy: 0.503
With the embedding layer from scratch:	Test accuracy: 0.556
With the embedding layer with masking enabled:	Test accuracy: 0.650
With pretrained word embeddings:	Test accuracy: 0.539

- 1-3) The same
- 4) Restrict training samples to 1000

A first basic sequence model:	Test accuracy: 0.746
With the embedding layer from scratch:	Test accuracy: 0.699
With the embedding layer with masking enabled:	Test accuracy: 0.766
With pretrained word embeddings:	Test accuracy: 0.691

- 1-3)The same
- 4) Restrict training samples to 10000

A first basic sequence model:	Test accuracy: 0.835
With the embedding layer from scratch:	Test accuracy: 0.813
With the embedding layer with masking enabled:	Test accuracy: 0.831
With pretrained word embeddings:	Test accuracy: 0.809