Homework 3

Using the dataset at

<https://archive.ics.uci.edu/ml/datasets/Sentiment+Labelled+Sentences>

Build several recurrent models and measure your accuracy with an out of fold split. You homework should include:

(1) A Vanilla RNN network

(2) An LSTM network

(3) A GRU Network

(4) A proper set of functions to convert the data into the appropriate format including test examples for encoding and decoding a sentence.

(5) Test –Train curves for all 3 networks.