

Analyse how travellers in February 2015 expressed their feelings on Twitter



1. Load the dataset “ Tweets.csv ” and explore. Select the required columns and pre-process if needed.
2. Perform text pre-processing and tokenization
 - a. Display the size of vocabulary.
 - b. Print a tweet and its corresponding encoded doc(vector).
3. Build the text classifier model using LSTM
 - a. Print the model summary
4. Train the model for 5 epochs and validation split as 20%
 - a. Plot the accuracy and loss
 - b. Add a dropout layer of 20%.
 - i. Plot the accuracy and loss
 - c. Comment on the accuracy and loss changes.
5. Define a function that takes a text as input and outputs its prediction label.