Sentiment analysis is a standard text classification problem in Natural Language Processing.

######################################## SST-2 ######################################

The Stanford Sentiment Treebank consists of sentences extracted from movie reviews and human annotations of their sentiment. Given a sentence, the task is to determine the sentiment of the sentence (positive or negative).

Label: 0-negative, 1-positive

More info: https://nlp.stanford.edu/sentiment/index.html

#################################### useful resources #################################

Pretrained word embedding:

word2vec: https://code.google.com/archive/p/word2vec/

GloVe: https://nlp.stanford.edu/projects/glove/

ELMO: https://allennlp.org/elmo

Sentiment Lexicon:

https://nlp.stanford.edu/projects/socialsent/

http://sentiment.christopherpotts.net/lexicons.html

LIBSVM -- A Library for Support Vector Machines

https://www.csie.ntu.edu.tw/~cjlin/libsvm/

Deep learning:

PyTorch: https://pytorch.org/

Tensorflow: https://www.tensorflow.org/

Keras: https://keras.io/