Simon Fraser University

SDA 250 – Assignment 2 - Sentiment analysis

Instructor - Dr. Maite Taboada

Name (Last, First)	Student ID	Section contributed	Section edited
Jokonya, Zvikomborero Kennedy	301449517	Debugging, write up, analysis	VADER analysis
Park, Hyungjoo	301566942	Editing, write up, analysis	VADER analysis
Zhou, William (FeiLian)	301406145	Editing, finalize the assignment	VADER analysis

Description

This is our Sentiment Analysis with VADER with bag of words approach. In this program, it managed to read in a dataset and analyze the sentiment polarity (positive, negative, or neutral). Also, it computes a sentiment intensity score which shows the strength of the sentiment expressed in the text. It also provides a compound value which is a score that represents the overall sentiment of the text.

Dataset includes 25000 movie annotated reviews with equal positive and negative reviews in a set of 25000. There are 25000 training data and 25000 test data.

References

Hugging Face. (n.d.). *Imdb · datasets at hugging face*. Hugging Face Datasets: imdb.
   https://huggingface.co/datasets/imdb/viewer/plain_text/test?p=249

Hutto, C. J. "Cjhutto/VaderSentiment." GitHub, 8 Dec. 2022,
   github.com/cjhutto/vaderSentiment#resources-and-dataset-descriptions

Socher, Richard, et al. "Recursive Deep Models for Semantic Compositionality over a Sentiment
   Treebank." Empirical Methods in Natural Language Processing, 1 Oct. 2013, pp. 1631–1642