

# Sentiment Analysis

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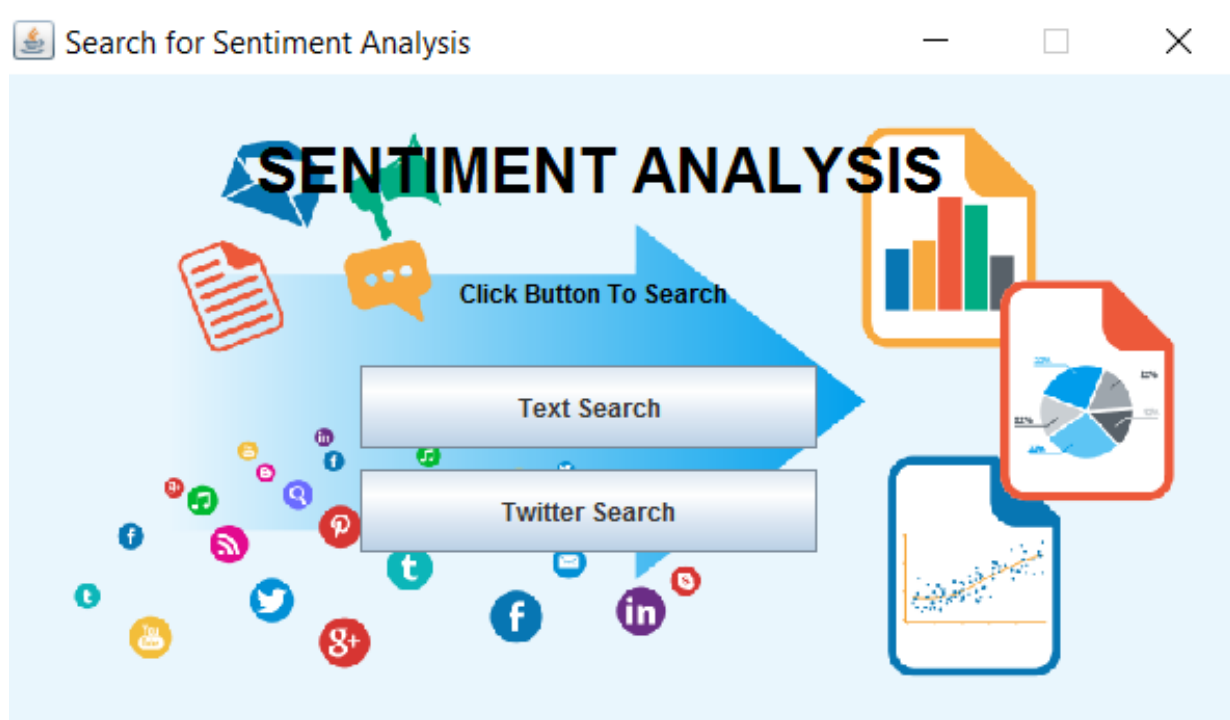


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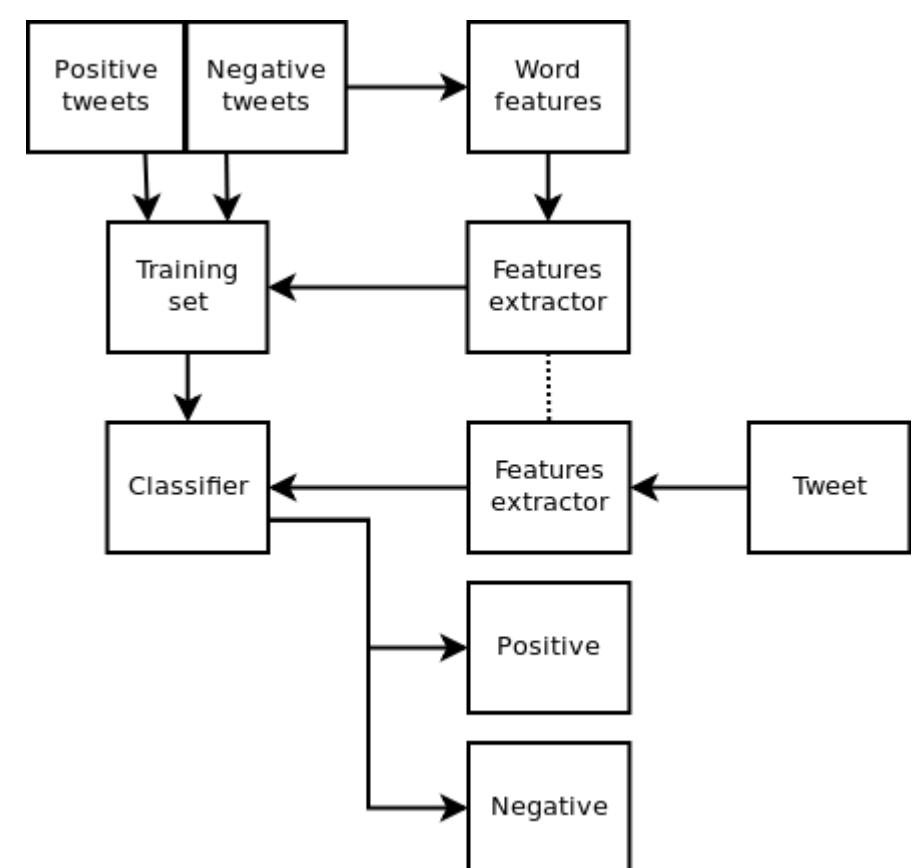
## Description

Sentiment analysis is the process of analysing natural language text for discovering the opinions or emotions (e.g., positive, negative, or neutral) of the users on specific topics or products. In this project the aim to collect tweets from the Twitter stream (some other datasets will also be used) and do basic sentiment analysis.

## Searching Options for Sentiment Analysis

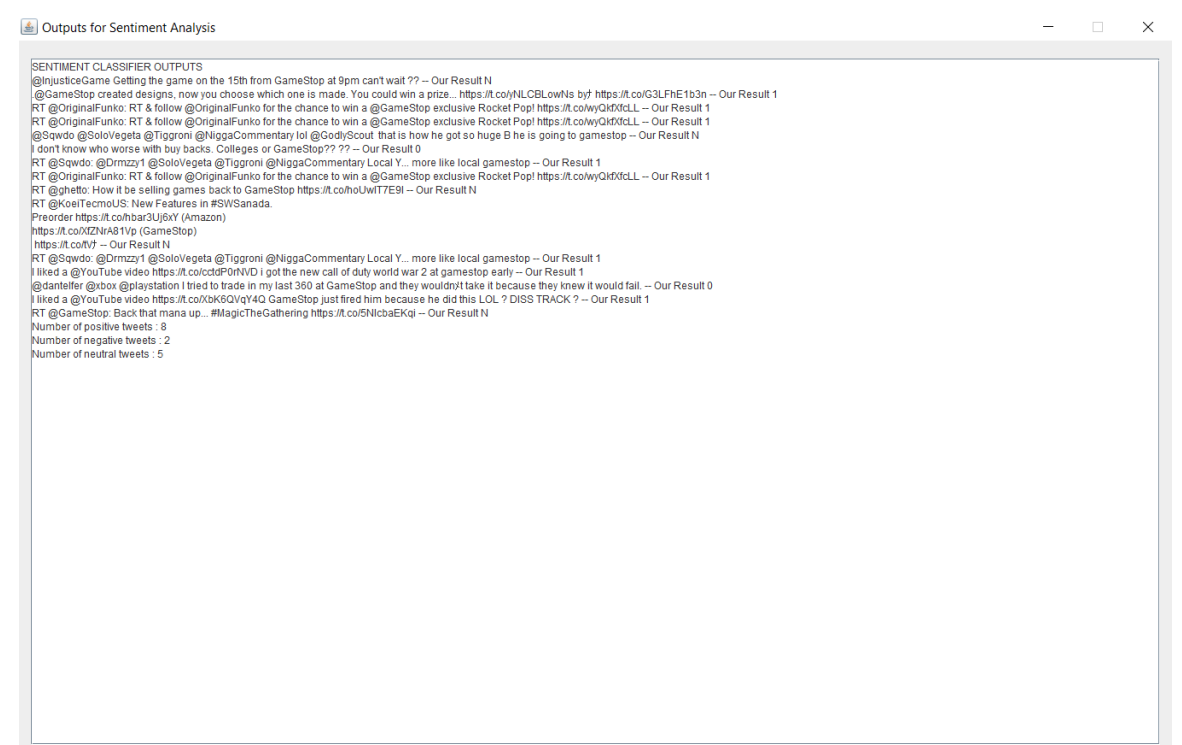
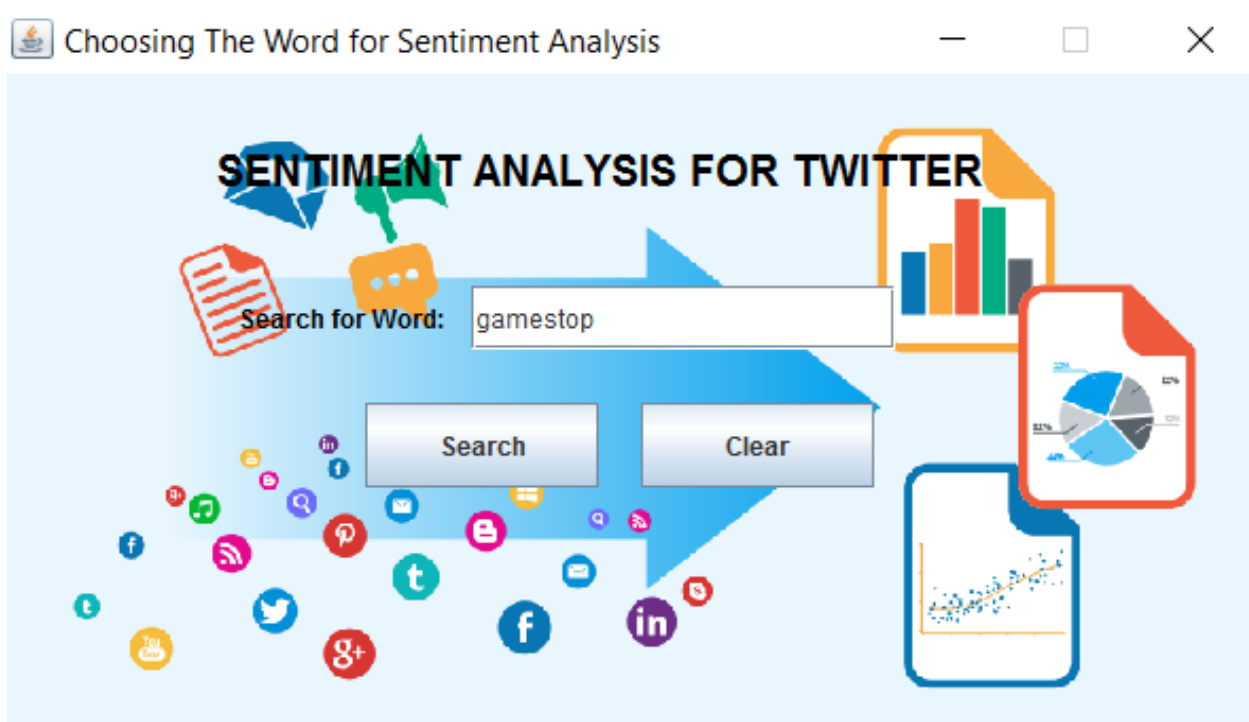
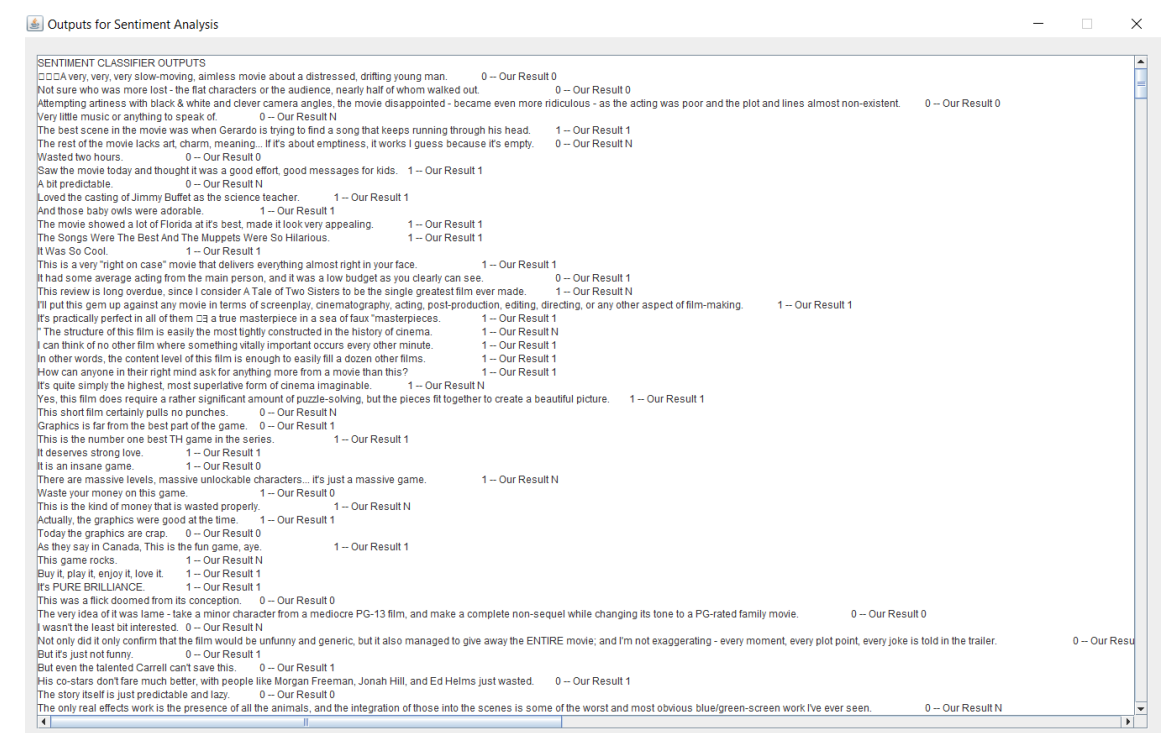


## Flow Chart of Sentiment Analysis



## System of Project

There are the two options which are Text Search and Twitter Search to perform Sentiment Analysis. Text Search gives us the rating results of comments that obtained from text documents. A picture on the right is example of the rating results of IMDB comments. On the other hand, Twitter Search gives us the rating results of a keyword research on Twitter. Following pictures are example of the rating results of 'gamestop' keyword research in Twitter.



## Conclusion

Our goals in this project is receiving tweets for a specific keyword from Twitter and rating this tweets if it is positive or negative comment. In addition, we added neutral feature in the results of comments. Basis language of our system is English. Optionally, we added sample sentences research from text document.