

DYNAMIC YOUTUBE

COMMENTS SENTIMENT ANALYZER

1

SELENIUM

Selenium is an umbrella project for a range of tools and libraries that enable and support the automation of web browsers.

- Chrome - webdriver
- driver.get(url)
- find_elements(By.CLASS_NAME, "class_name")



2

APPLICATIONS

- Understanding Audience Sentiment
- Feedback and Improvement
- Identifying Engaging Content
- Crisis Management
- Detecting Trolls and Spam



3

PROCESS INVOLVED

- Scrapping using Selenium
- Retrieving the comments in List
- Tokenizing each comments - word_tokenize
- Removed stopwords
- Lowercased the tokens
- Lemmatized the tokens
- Removed Punctuation Marks
- SentimentIntensityAnalyzer
- Visualization



4

FUTURE ENHANCEMENTS

- Multilingual Comments Sentiment Analyzer
- Customer Feedback Analysis Report Generation
- Hugging Face APIs can be incorporated to make language identification and translations easily



5

CURRENT LIMITATIONS

- Currently, it is only possible to analyze the sentiments of comments written in English.
- The overall process typically requires a significant amount of time .

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SAMPLE OUTPUT

