

Sentiment Analysis

Understanding Emotions in Text with AI



[LINK](#)



Problems

- Millions of texts generated daily
- Understanding emotions is crucial
- Manual analysis is time-consuming
- Need for instant insights

Solutions

- Real-time sentiment detection
- Comprehensive analysis metrics
- Visual reports & charts
- PDF export functionality



Key Features

Compound Score

Overall sentiment from -1
(negative) to +1 (positive)

Sentiment Classification

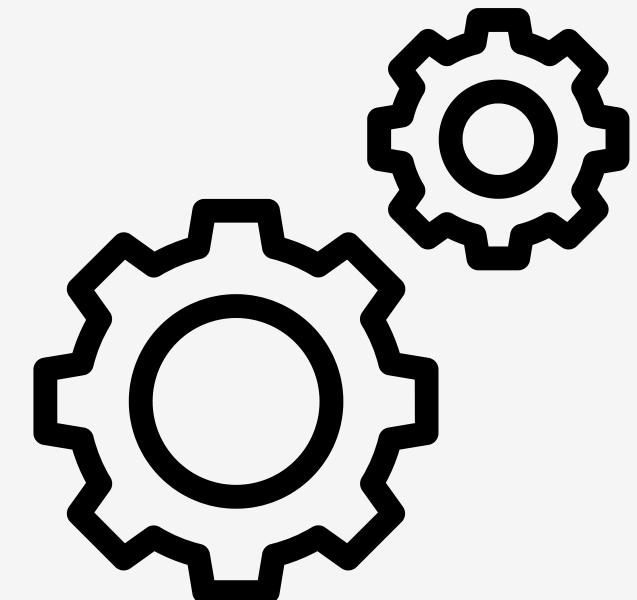
Positive 😊
Neutral 😐
Negative 😢

Subjectivity Analysis

Measures objectivity vs.
opinion (0 to 1 scale)

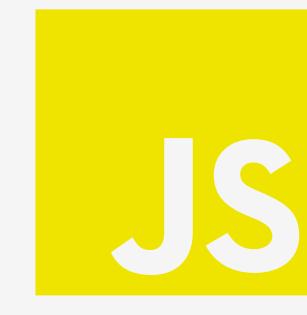
Visual Reports

Interactive charts &
exportable PDF reports

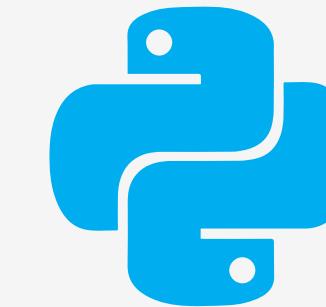


Tech Stacks

Frontend



Backend



NLP Engine



NLTK
TextBlob

Visualization

matplotlib



Live Demo





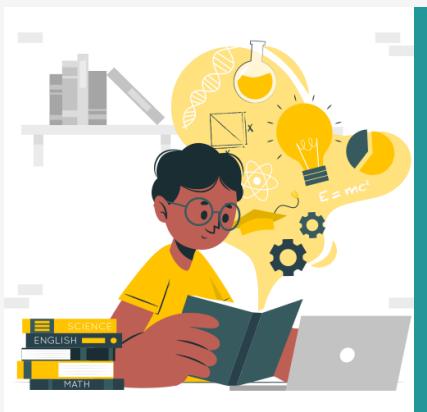
► Social Media Monitoring

Track brand sentiment and public opinion on posts and comments



► Customer Feedback

Analyze product reviews and service ratings automatically



► Education & Research

Teaching NLP concepts and analyzing survey responses



► Content Analysis

Evaluate blog posts, articles, and user-generated content

Real-World Applications

Our Core Team



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Thank
You!