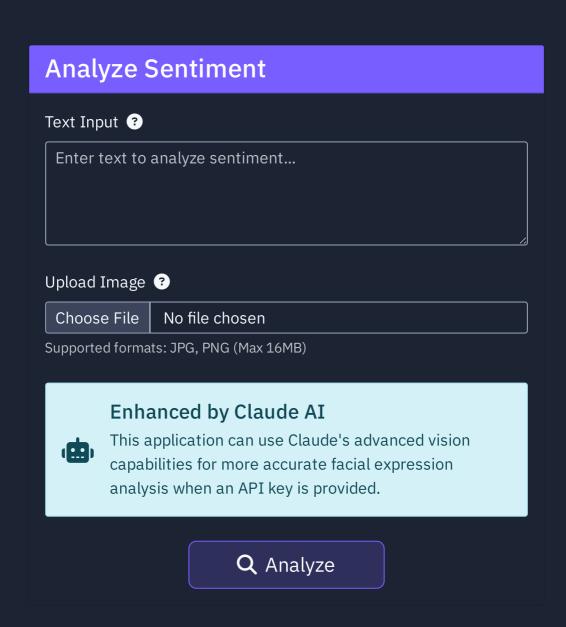


{% endfor %} {% endif %} {% endwith %}

## **EmotiMap**

Multi-Modal Sentiment Analysis Using Text and Facial Expressions



#### **How It Works**

EmotiMap combines multiple sources of emotional data to provide comprehensive sentiment analysis.



Natural language processing algorithms analyze your text to determine sentiment polarity and emotional content.

# Facial Expression

Computer vision models detect faces and analyze expressions to recognize emotions like happiness, sadness, anger, and more.

## Combined Results

Multi-modal analysis combines both text and facial expression data for a more comprehensive sentiment assessment.

### **About EmotiMap**

EmotiMap is a powerful multi-modal sentiment analysis tool that combines natural language processing and computer vision to analyze emotions from both text and facial expressions. It provides a more comprehensive understanding of sentiment by analyzing multiple information channels.

#### Key features:

- Text sentiment analysis using natural language processing
- Facial expression recognition using deep learning
- Combined multi-modal analysis that integrates results from different sources
- Visual representation of emotion and sentiment data
- Support for both text-only, image-only, or combined analysis

This application was built using Flask, OpenCV, NLTK, Chart.js, and optionally integrates with Claude AI for enhanced facial expression analysis.

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