

# Crypto News Sentiment Analysis Tool

Exploring Crypto Market Mood through News Headlines

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# Problem Statement



## Market Volatility

Crypto markets are highly influenced by sentiment



## Tool Limitations

Conventional tools overlook crypto-specific news



## Solution

Develop a tool to analyze the latest crypto news sentiment

## Crypto Price Volatility





# Approach Overview

## Model Selection

FinBERT for financial news sentiment classification

## Website Development

Interactive Streamlit web interface

## Data Sources

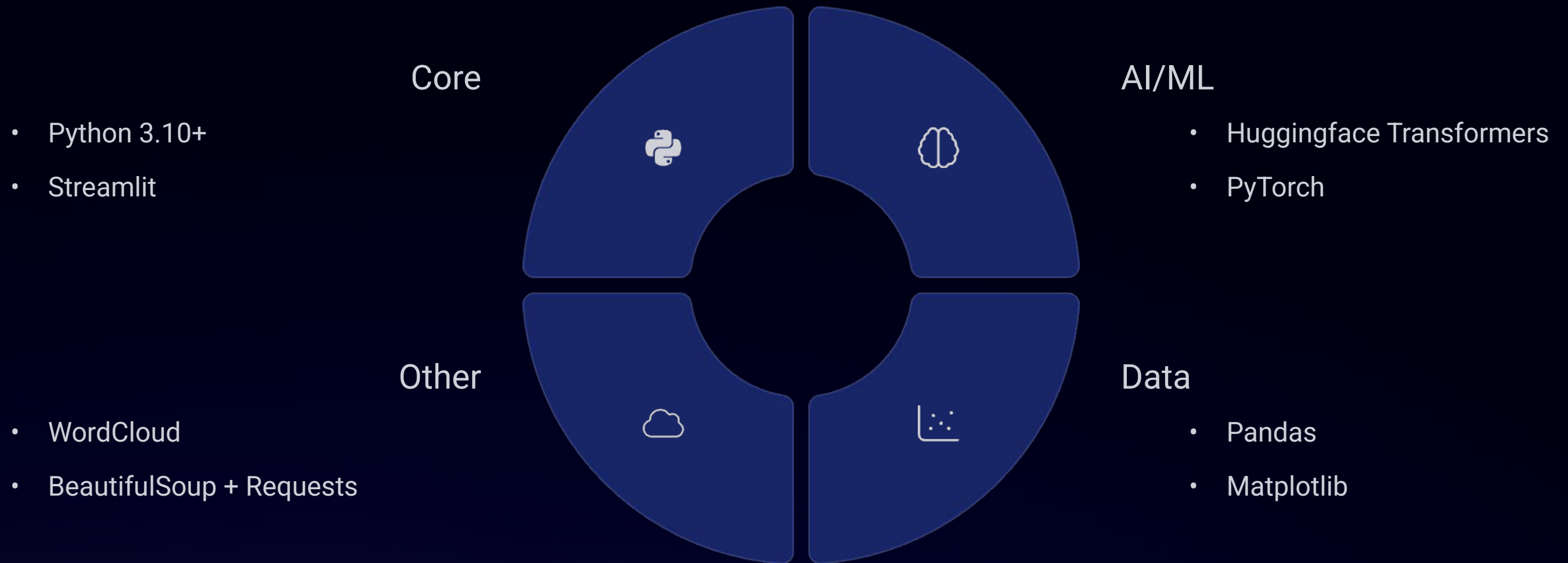
Upload CSVs or fetch live crypto headlines

## Output Creation

Visualize and download sentiment insights



# Technologies Used

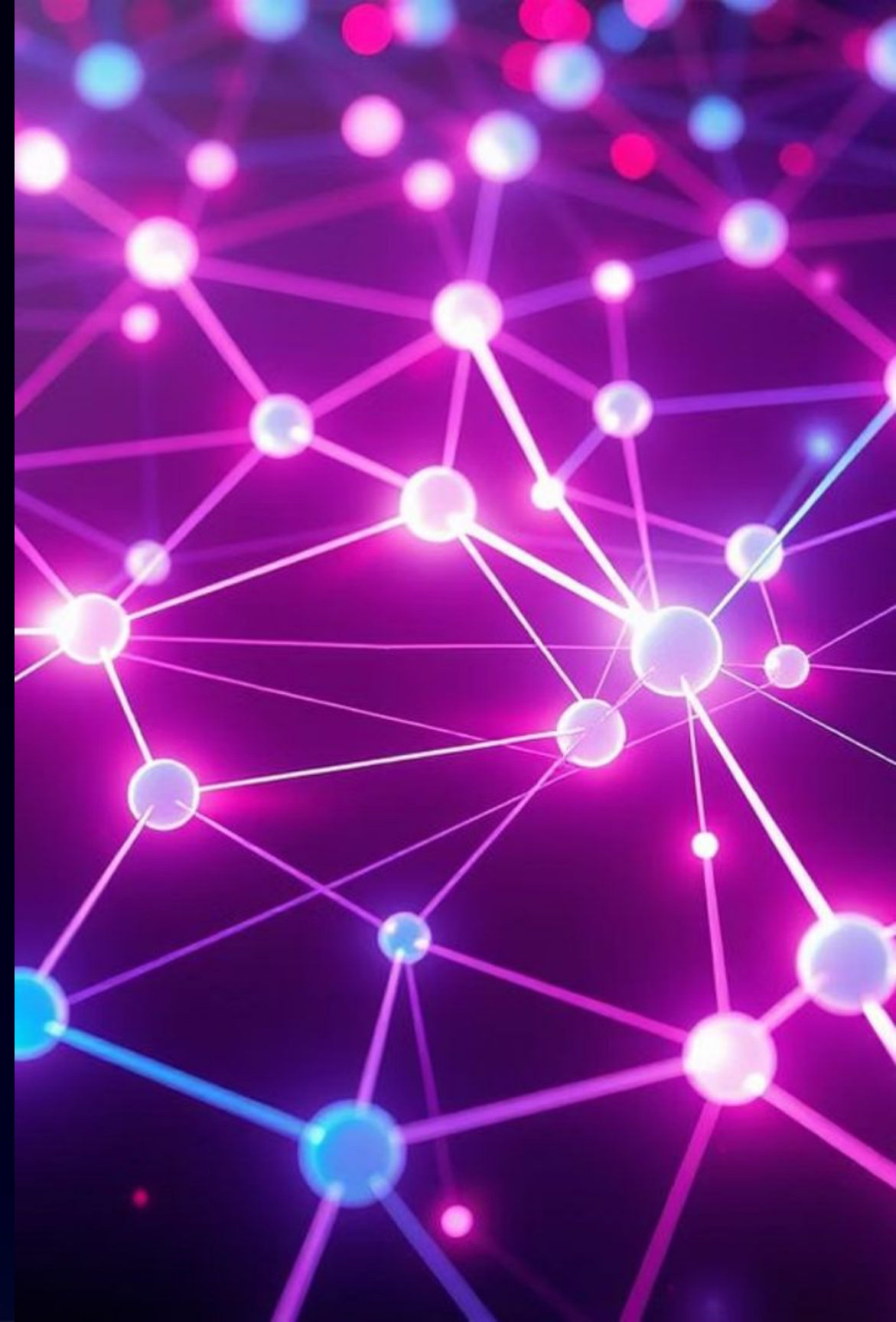


# System Workflow



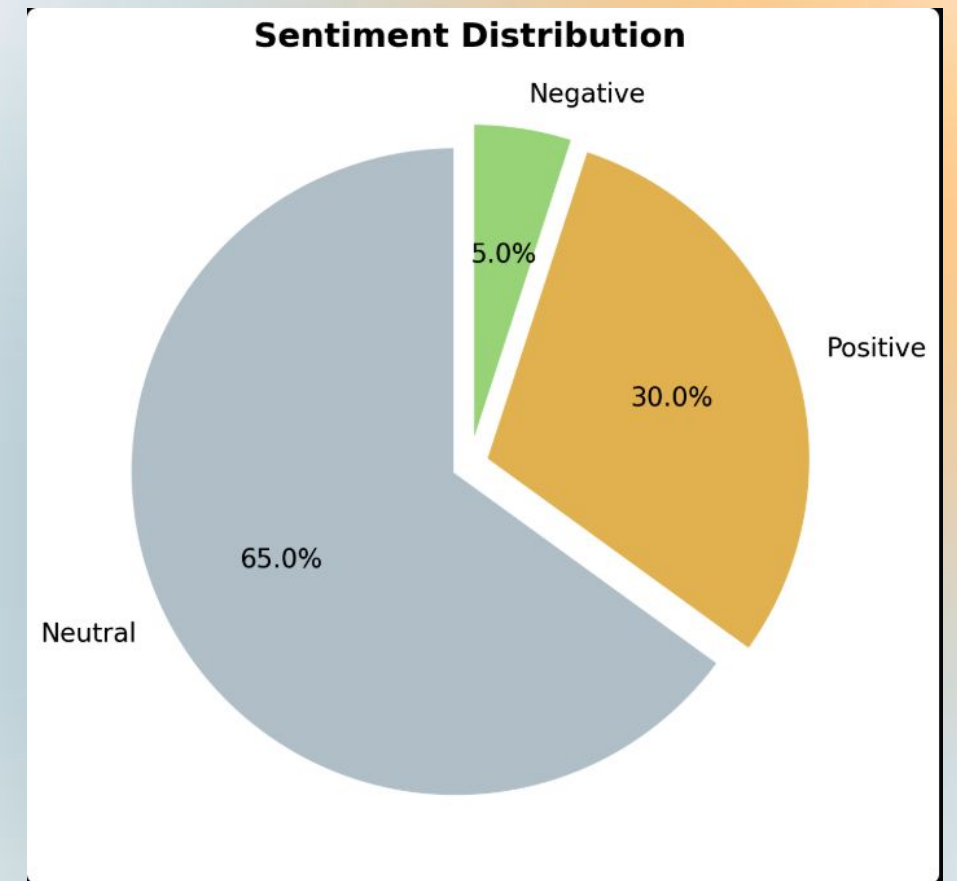


# Key Visualizations



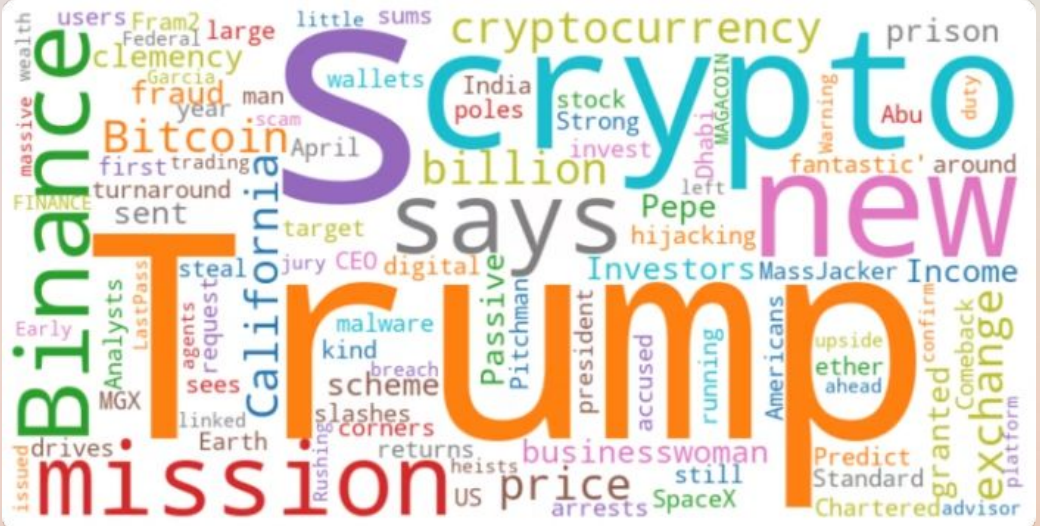
# Sentiment Pie Chart

Positive, Neutral, Negative Split



# WordCloud

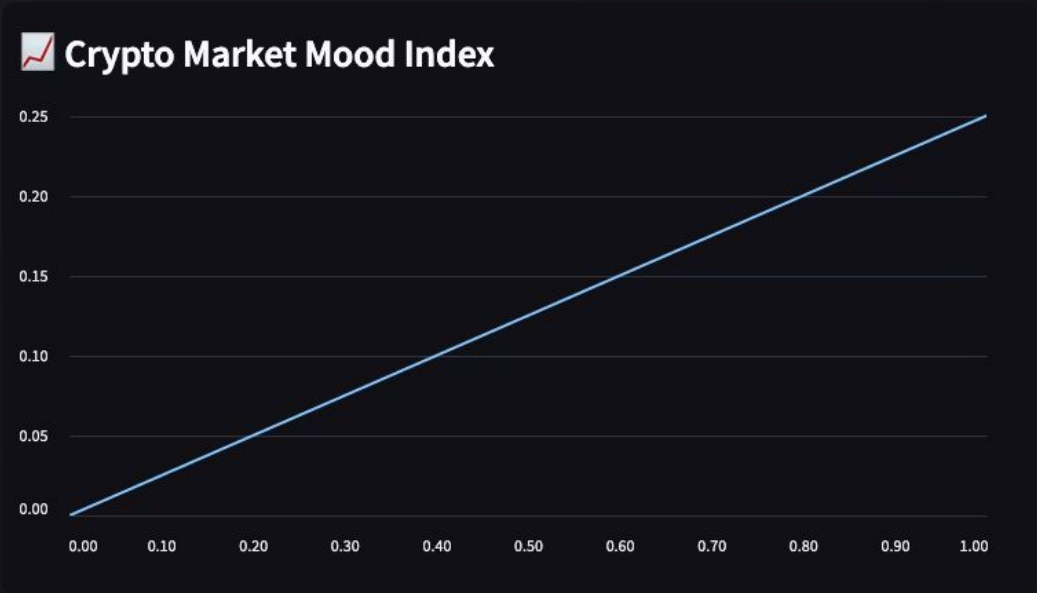
## Most frequent crypto terms





# Market Mood Index

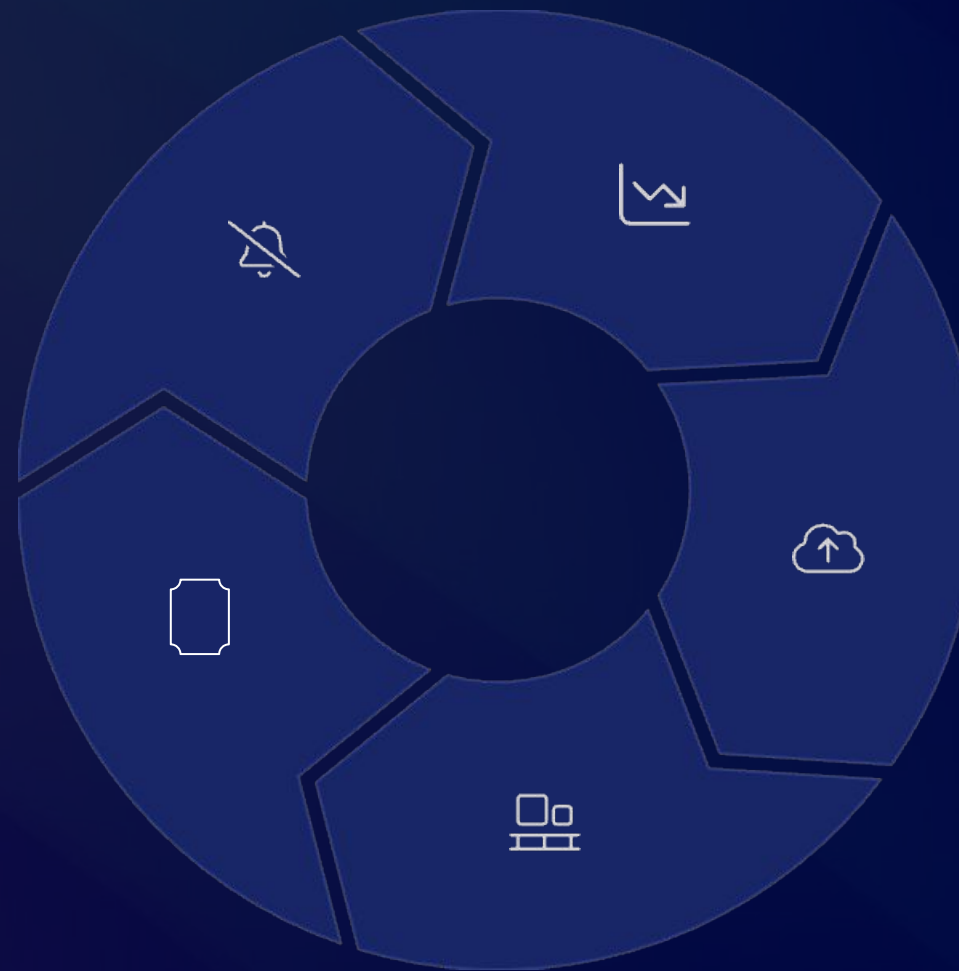
Sentiment score line chart



# Improvements & Future Work

**Alert System**  
Notifications for sudden mood shifts

**API Integration**  
Additional news data sources



**Historical Tracking**  
Long-term sentiment trends

**Cloud Deployment**  
Public Streamlit Cloud hosting

**Enhanced UI**  
Improved dashboard styling

# Conclusion



## Interactive Tool:

Built to analyze  
real-time crypto market  
mood.



## Techniques:

Used machine learning,  
data mining, and live  
news scraping.



## Practical NLP:

Applied natural  
language processing in  
financial news analysis.



## Future Plans:

Planning  
enhancements to boost  
tool's power and  
accuracy.

THANK YOU !!