

SENTIMENT ANALYSIS OF NEWS ARTICLES ON NIGERIA'S ECONOMY (2021–PRESENT)

Presented by

GROUP 1

Project Overview

Objective:

Understand emotional tones in economic media coverage (2021-2025)

Visualize sentiment trends & dominant narratives

Data Source:

BusinessDay Nigeria "BDLead" section

Dataset Size:

11,000 articles with title, author, content & date

METHODOLOGY SUMMARY

Scraping Tools: requests, BeautifulSoup4

Cleaning & QA: rapidfuzz for duplicate checks

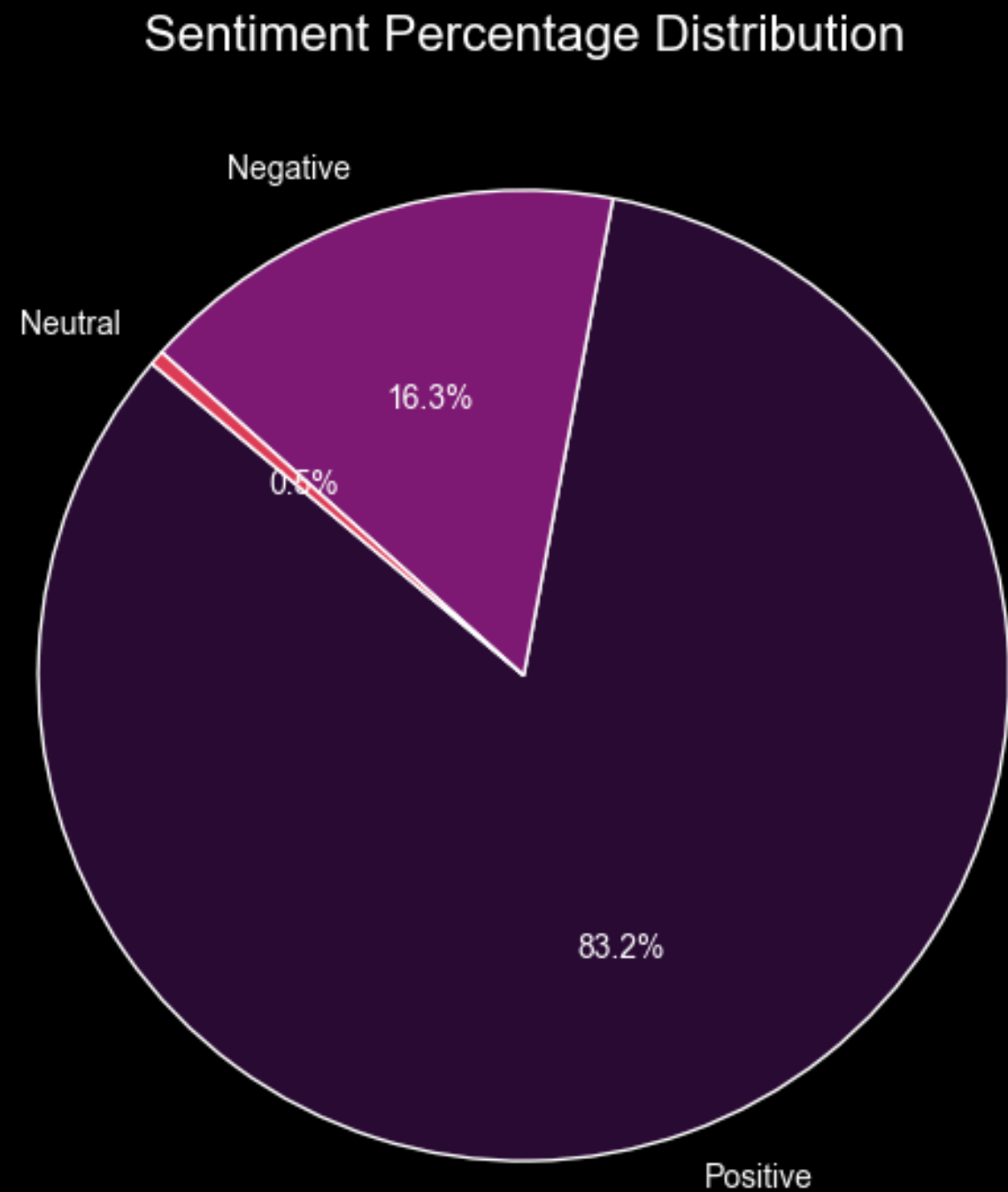
Sentiment Analysis:

Polarity Score (-1 to +1)

Sentiment Classification: Positive, Neutral, Negative

Visualization Tools: Python libraries (e.g., pandas, matplotlib, wordcloud)

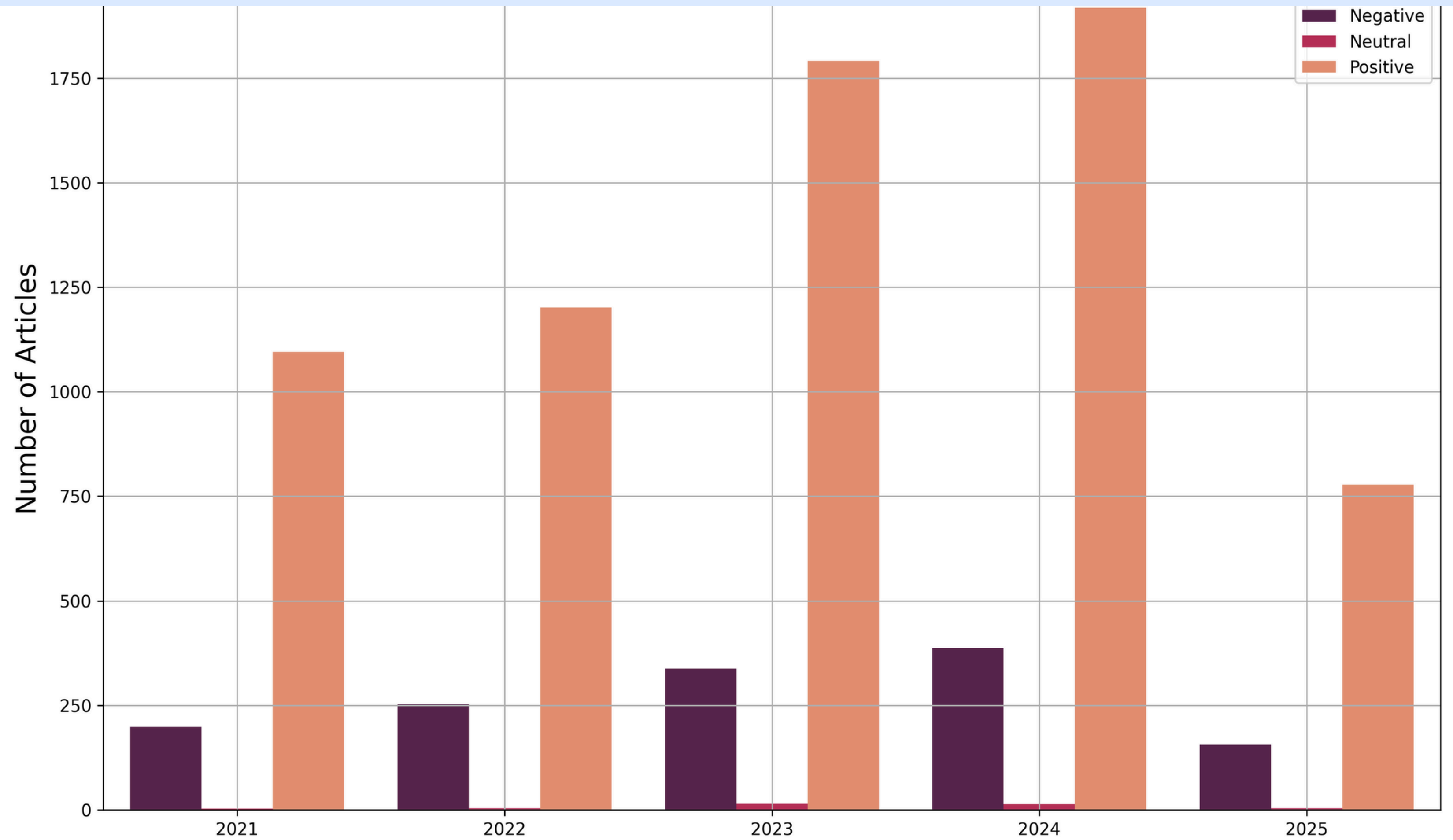
OVERALL SENTIMENT DISTRIBUTION



Majority: Positive articles
Followed by: Negative, then Neutral

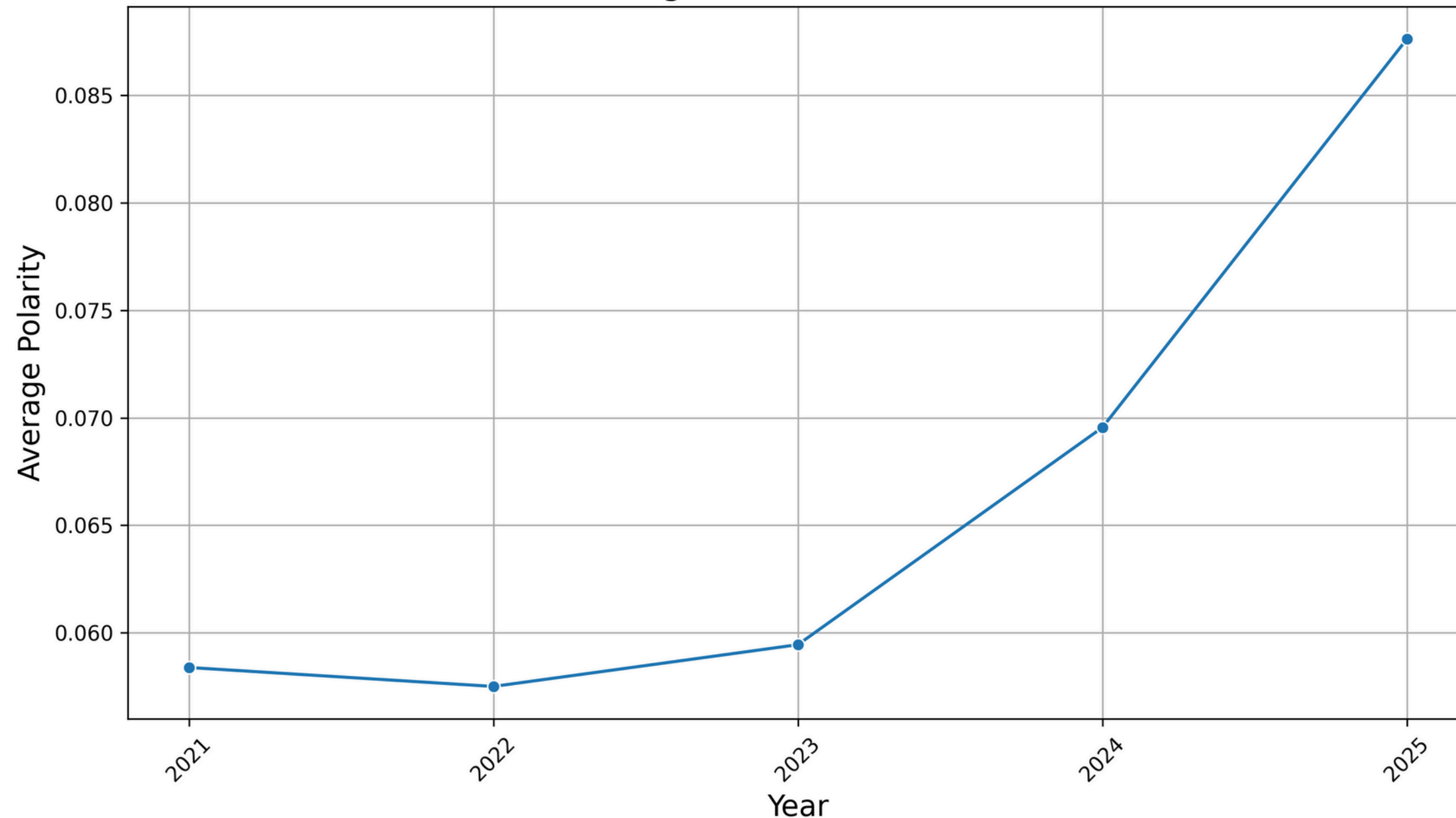
Tone: Generally moderate & balanced
with an optimistic tilt

BREAKDOWN SENTIMENT DISTRIBUTION BY YEAR



YEAR-BY-YEAR TRENDS

Average Sentiment Per Year



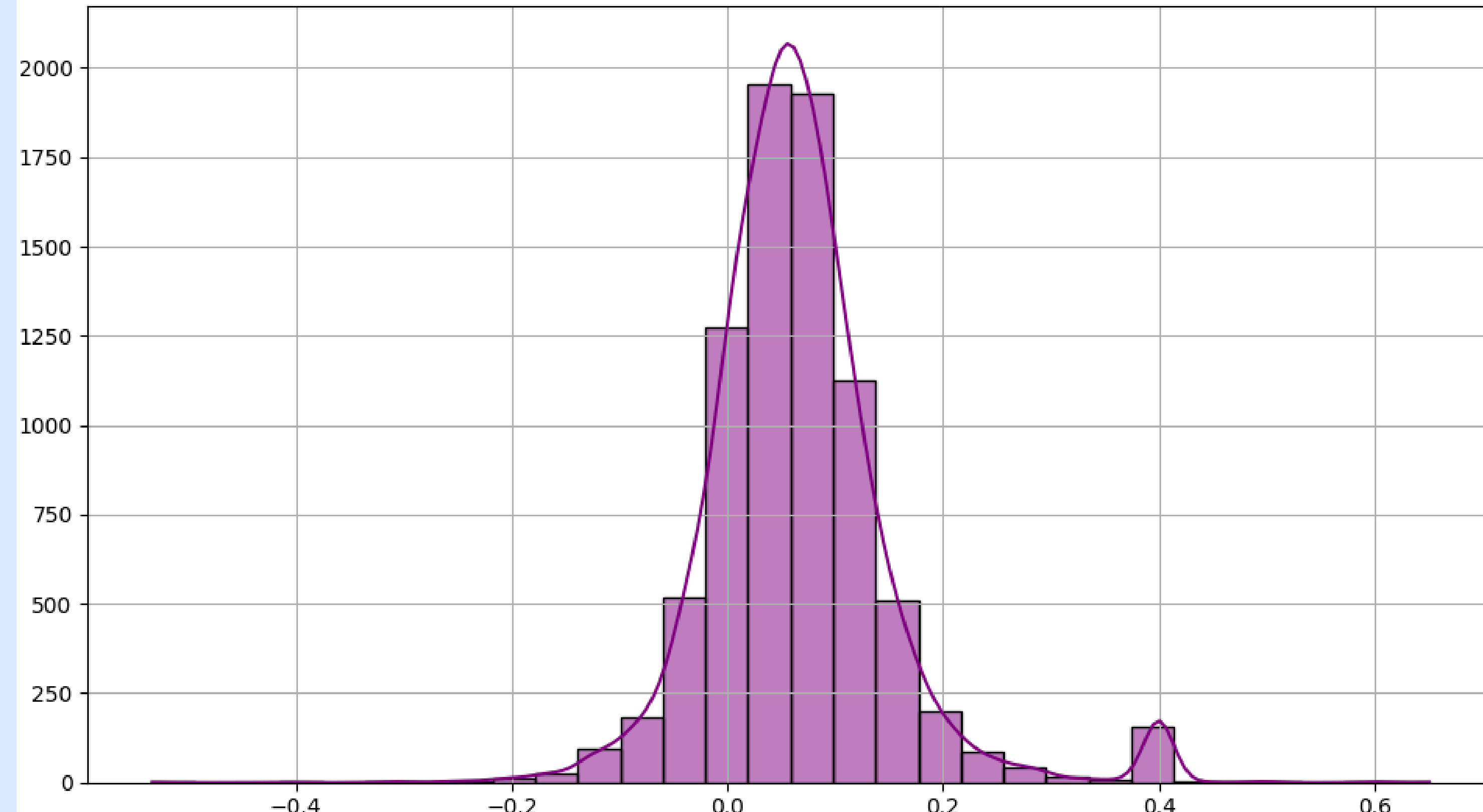
**2021–2023: Sentiment
stable (~0.06 avg)**

**2024: Small increase in
positivity (~0.07 avg)**

**2025: Noticeable jump
(~0.085 avg) — most
optimistic year**

POLARITY SCORE DISTRIBUTION

Distribution of Article Polarity Scores

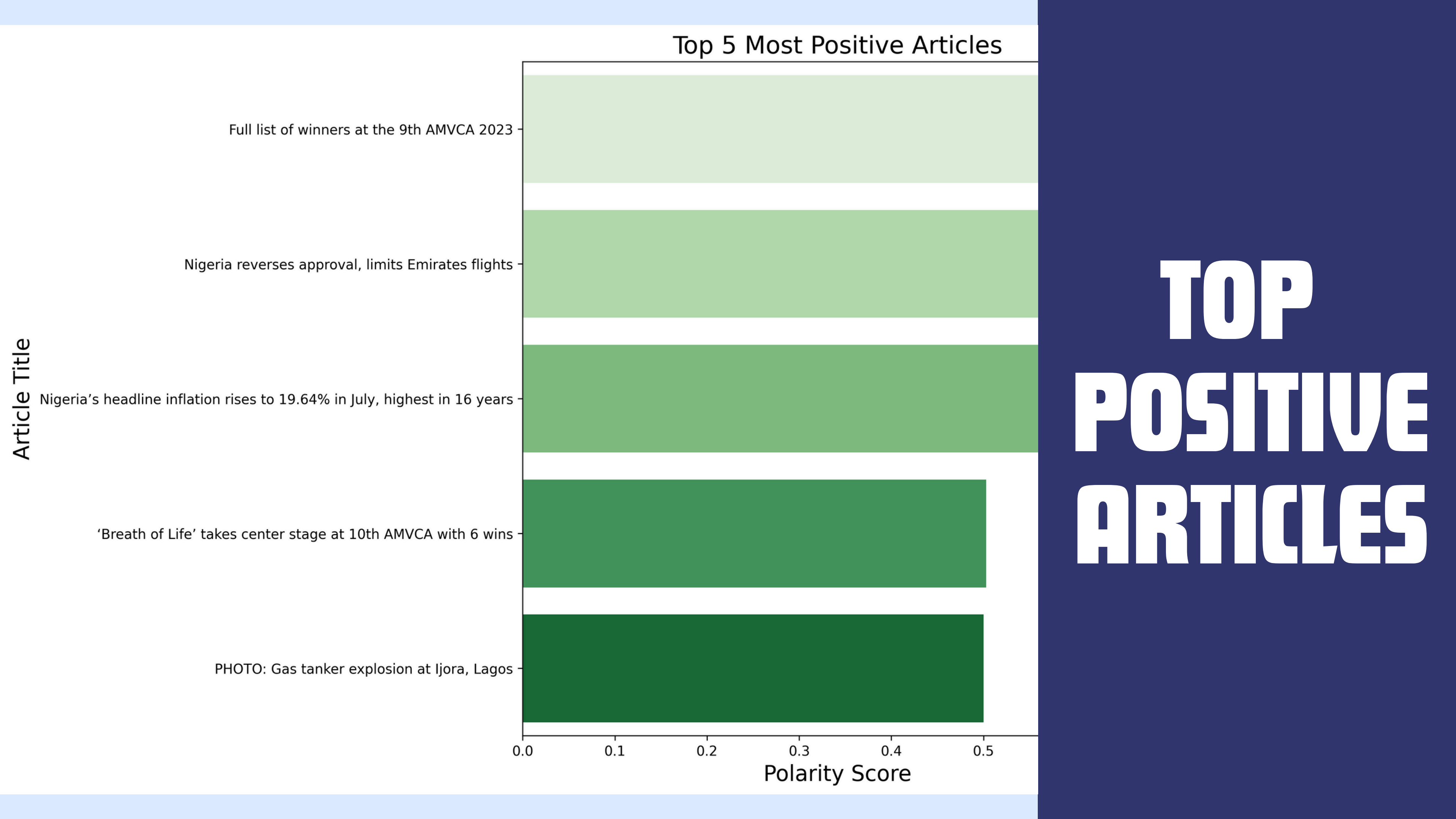


**Most articles
scored
between -0.1
and +0.2**

**Indicates
moderate
reporting with
few extremes**

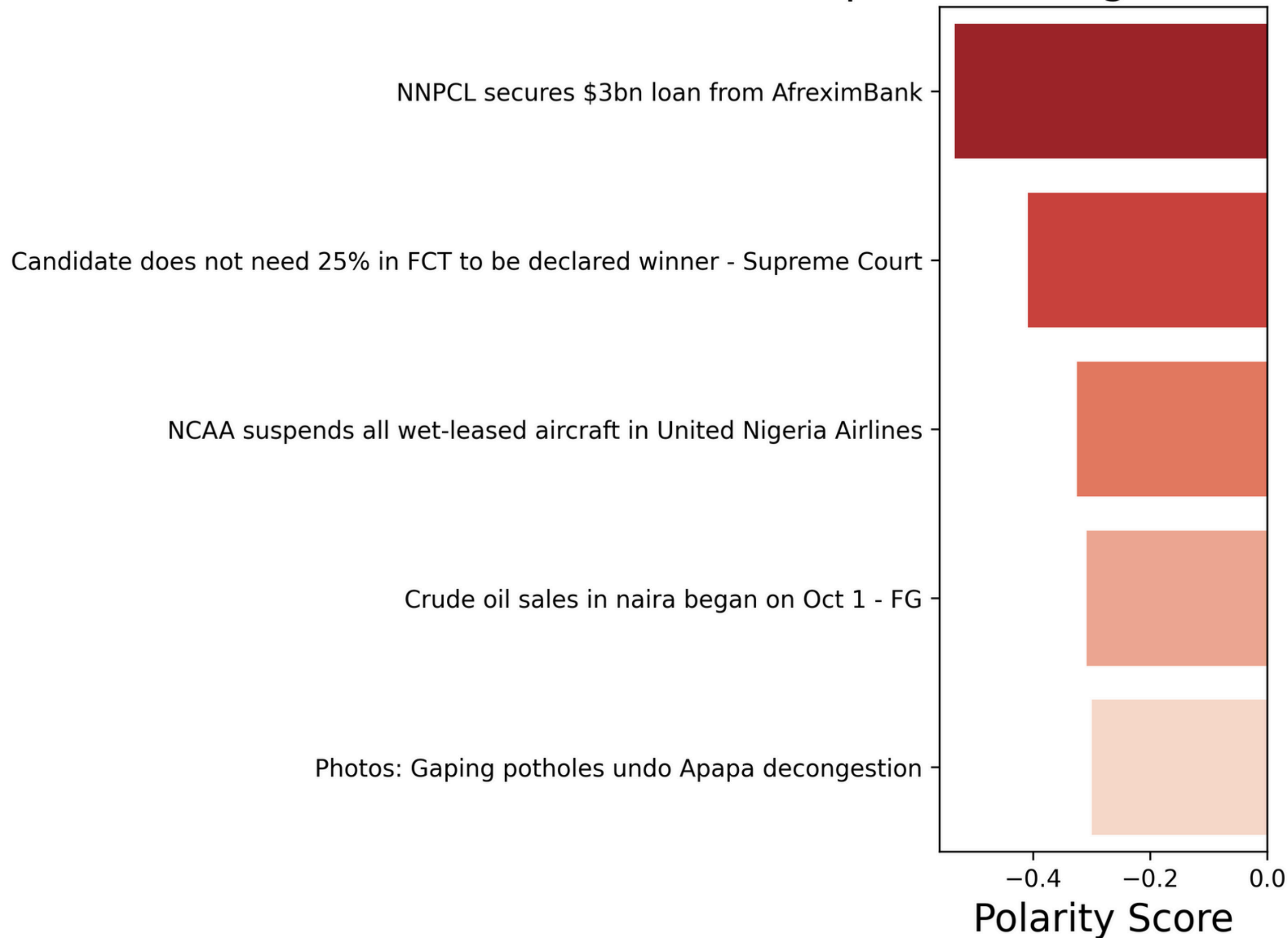
KEY THEMES BY SENTIMENT

Positive	Negative	Neutral
growth	inflation	official announcements
investment	unemployment	statistics
development	corruption	
recovery	debt	



TOP
POSITIVE
ARTICLES

Top 5 Most Negative Ar



TOP NEGATIVE ARTICLES

Conclusion & Implications

Media sentiment grew more optimistic from 2021 to 2025

Despite ongoing economic challenges, media confidence is rising