News Sentiment Analysis

Global Filters

Start Date

2015/01/01

End Date

2025/05/01

Select Categories

Health ✕ Science ✕ Sports ✕ ⊗ ⌄

Technology ✕ Travel ✕ Food ✕

Select Clusters

0 ✕ 1 ✕ 2 ✕ 3 ✕ 4 ✕ ⊗ ⌄

5 ✕

Clustering & Comparison ∧

☑ View Category-Cluster Comparison Table

☑ Heatmap of Category vs. Cluster Counts

Sentiment Trends & Distribution ∧

Interactive News Sentiment Analysis Dashboard

Explore sentiment and clustering insights from news articles based on your selected global filters.
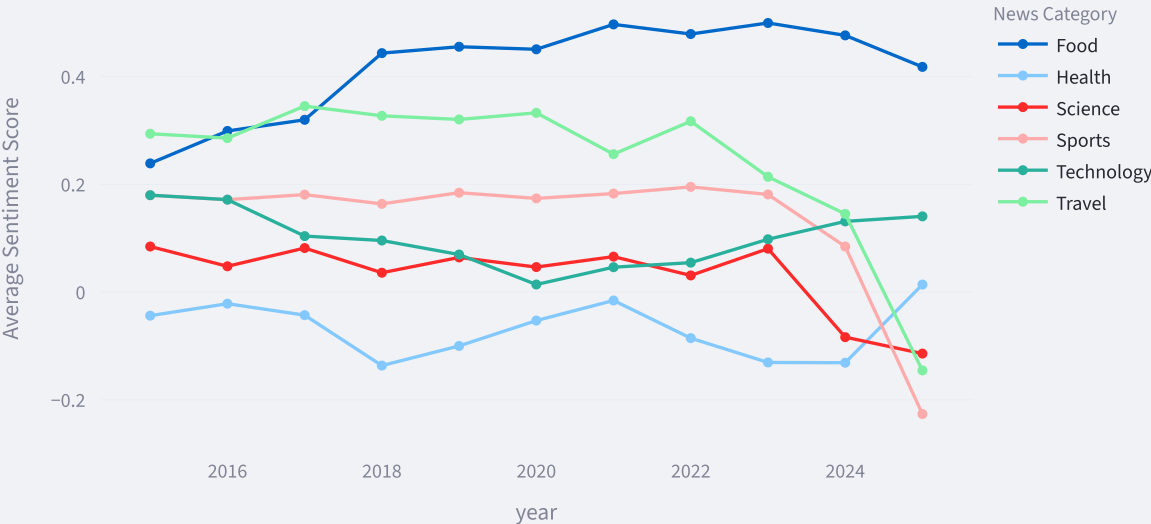
Word Cloud by Cluster

Visualize the most frequent words in headlines for each identified cluster (based on global filters).

Overall Sentiment Trend by Category

Track the average sentiment score for each news category over time (based on global filters).

Sentiment Trend Over Time

Sentiment Trend (Year/Month-wise)

Compare category sentiment across selected years and months (based on global filters).

Select Years for Month Trend

2015 ×	2016 ×	2017 ×	2018 ×	2019 ×	2020 ×	2021 ×	2022 ×

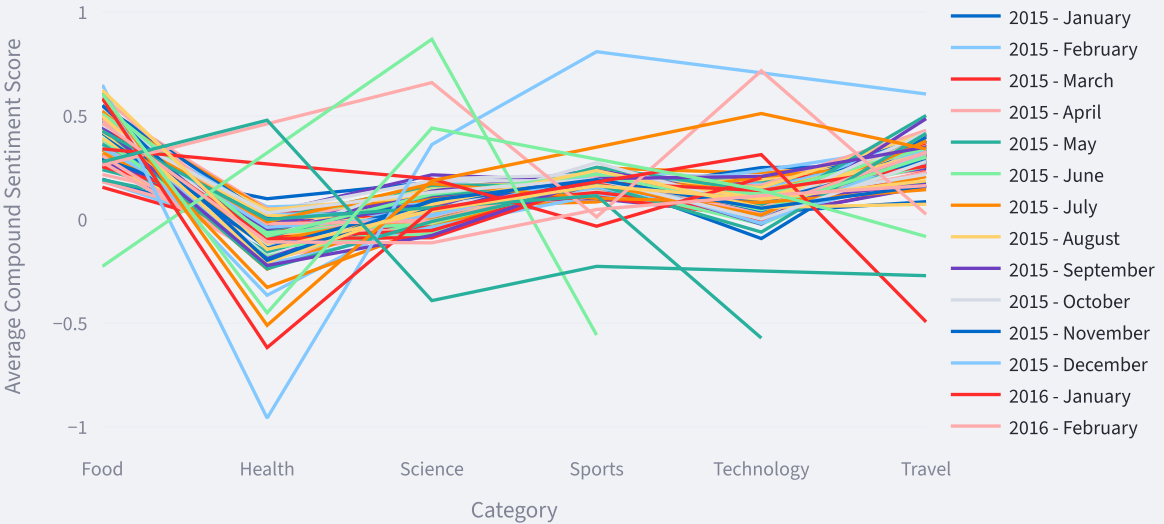| 2023 ×	2024 ×	2025 ×

Select Months for Month Trend

January ✕ February ✕ March ✕ April ✕ May ✕ June ✕ July ✕

August ✕ September ✕ October ✕ November ✕ December ✕

Year/Month-wise Sentiment Trend

Sentiment Trend (Year/Quarter-wise)

Compare category sentiment across selected years and quarters (based on global filters).
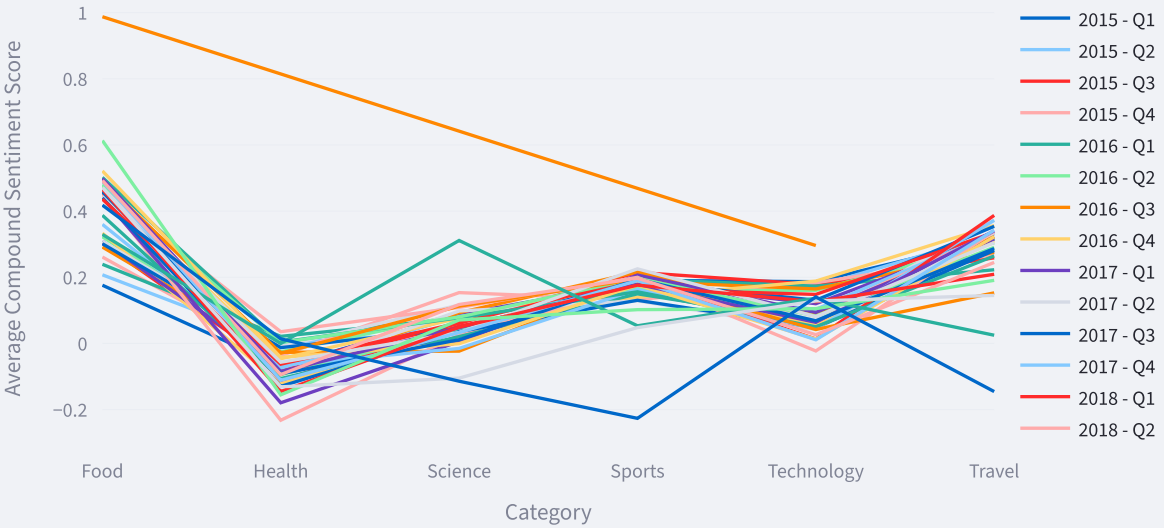
Select Years for Quarter Trend

2015 ✕ 2016 ✕ 2017 ✕ 2018 ✕ 2019 ✕ 2020 ✕ 2021 ✕ 2022 ✕

2023 ✕ 2024 ✕ 2025 ✕

Select Quarters for Quarter Trend

Q1 ✕ Q2 ✕ Q3 ✕ Q4 ✕
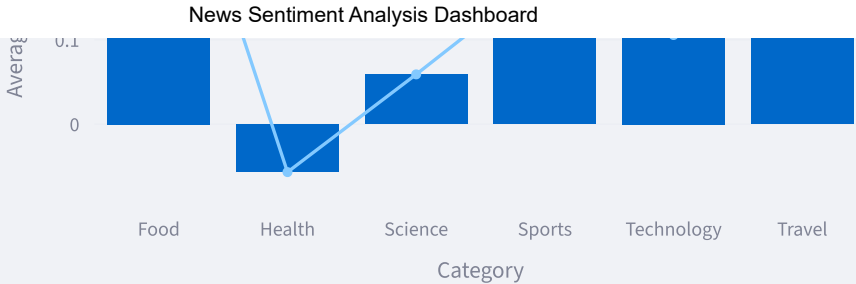
Year/Quarter-wise Sentiment Trend

Category Sentiment (Bar and Line Chart)

View average sentiment scores for categories within the globally selected date range.

Category Sentiment within Global Filtered Range

Food   Health   Science   Sports   Technology   Travel

Category

Category-Cluster Comparison Table

This table shows the distribution of original categories within the identified clusters (based on global filters).

	Category	Cluster	Cluster_Counts	Category_Counts
12	Sports	0	30317	30408
5	Food	5	10157	10178
18	Technology	1	9389	9438
10	Science	3	6424	6435
8	Health	4	6051	6057
22	Travel	2	5651	5654
16	Sports	4	49	30408
21	Technology	4	20	9438
20	Technology	3	18	9438
14	Sports	2	14	30408

Category Sentiment (Month/Year

Comparison)

Compare sentiment trends for specific categories across different months and years (based on global filters).
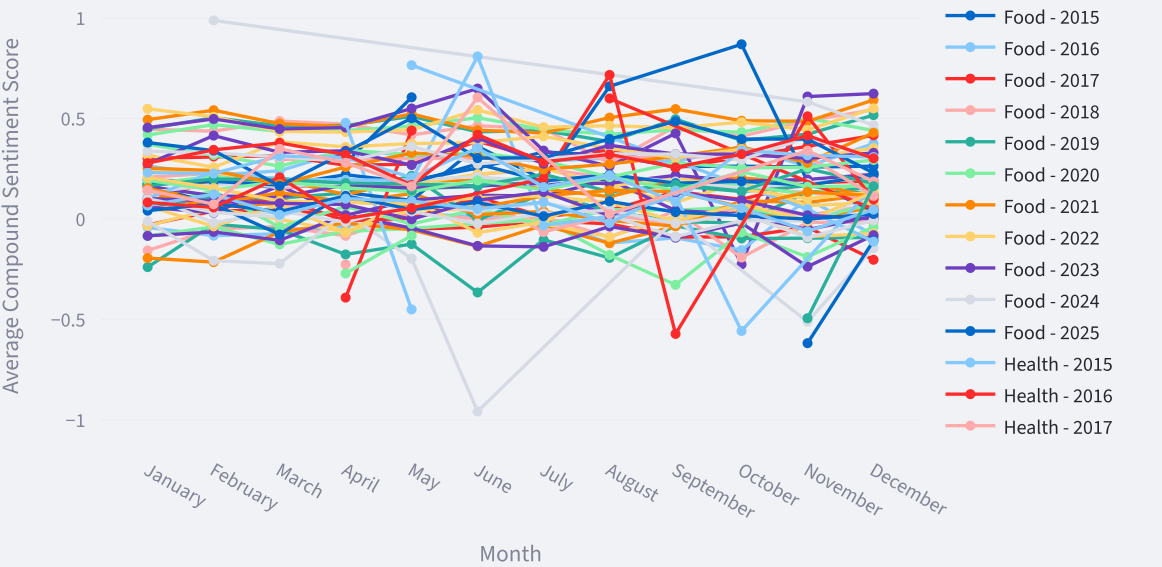
Select Categories for Comparison

| Food ✕ | Health ✕ | Science ✕ | Sports ✕ | Technology ✕ | Travel ✕ | ⊗ ⌄ |

Select Years for Comparison

| All Years ✕ | ⊗ ⌄ |

Category-wise Month and Year Sentiment Comparison

Category-wise Sentiment Bar Chart

Visualize the average sentiment score for each category across selected years (based on global filters).

Select Years for Bar Chart

`2015 ×` `2016 ×` `2017 ×` `2018 ×` `2019 ×` `2020 ×` `2021 ×` `2022 ×`

`2023 ×` `2024 ×` `2025 ×`

Category-wise Sentiment Bar Chart

Sentiment Word Cloud by Year

Explore words associated with positive, negative, and neutral sentiments for a selected year (based on global filters).
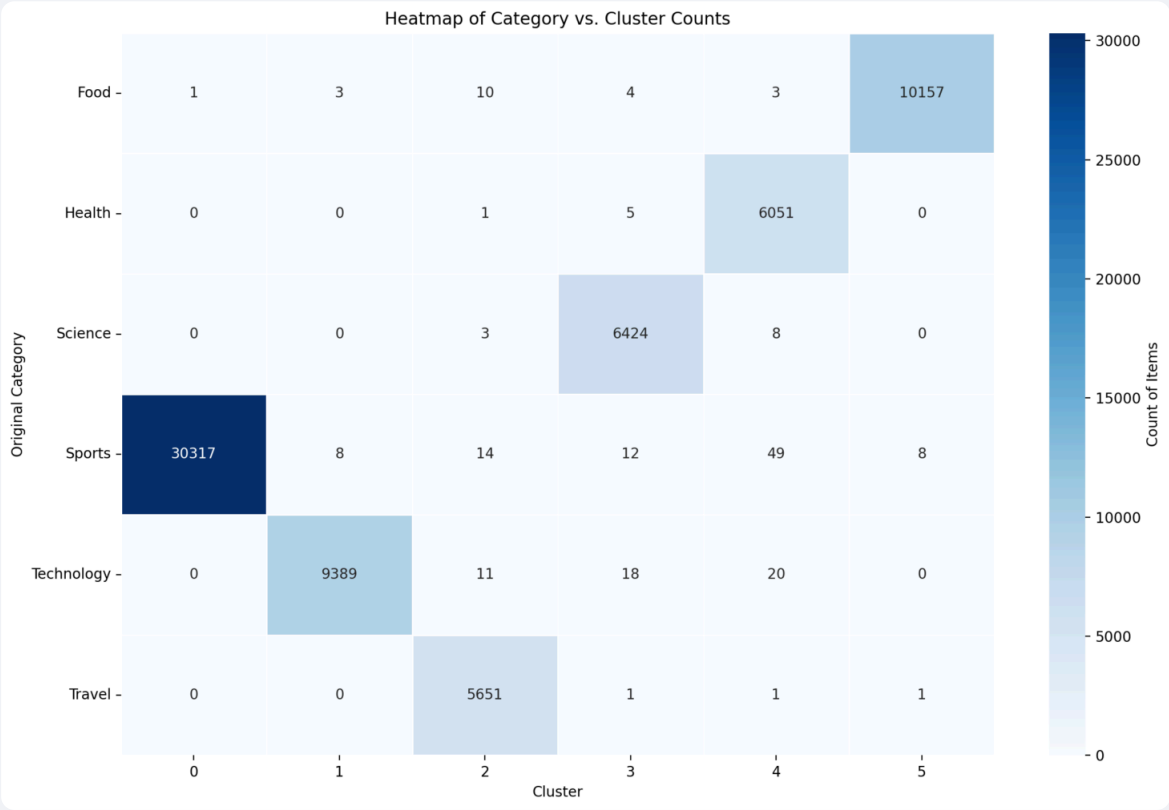
Select Year for Sentiment Word Cloud

2015

Positive Sentiment · Negative Sentiment · Neutral Sentiment

Heatmap of Category vs. Cluster Counts

A heatmap provides a dense overview of the counts for each Category-Cluster pair (based on global filters).

Heatmap of Category vs. Cluster Counts

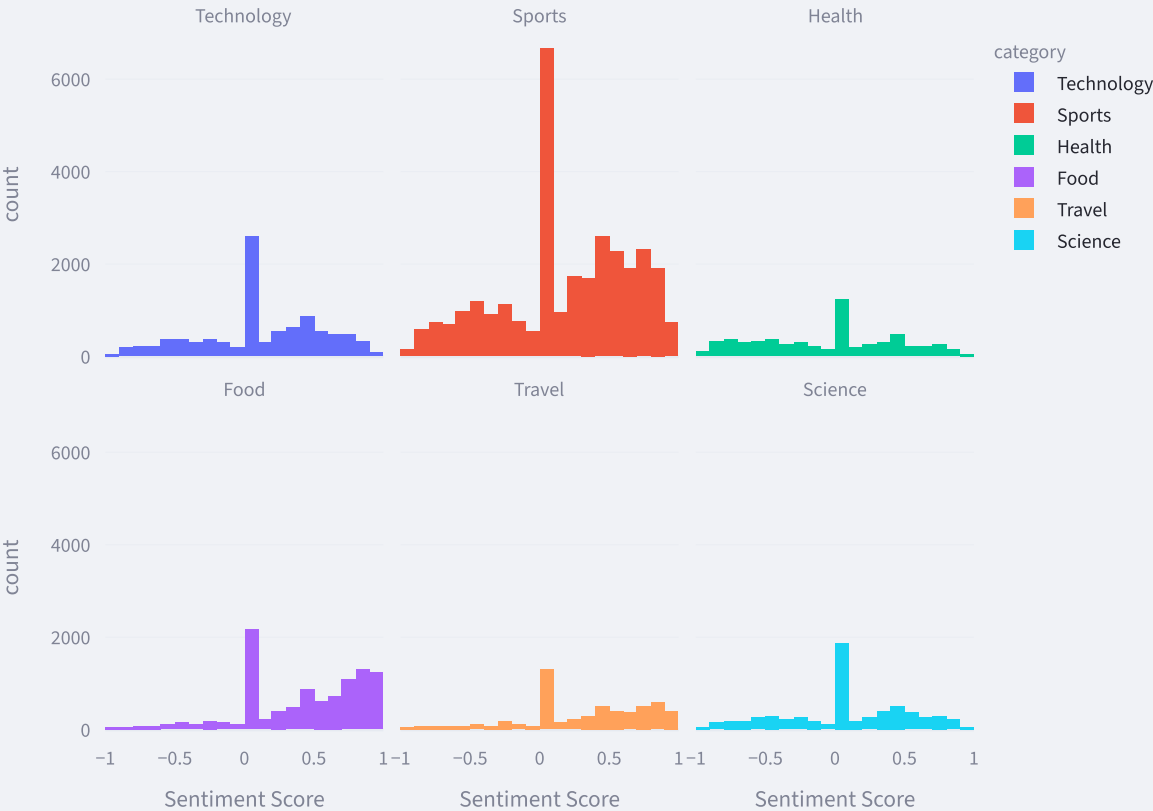| Original Category	0	1	2	3	4	5
Food	1	3	10	4	3	10157
Health	0	0	1	5	6051	0
Science	0	0	3	6424	8	0
Sports	30317	8	14	12	49	8
Technology	0	9389	11	18	20	0
Travel	0	0	5651	1	1	1

Cluster

Sentiment Score Distribution

Visualize the distribution of sentiment scores by category or cluster (based on global filters).

Group sentiment distribution by:

Category ⌄
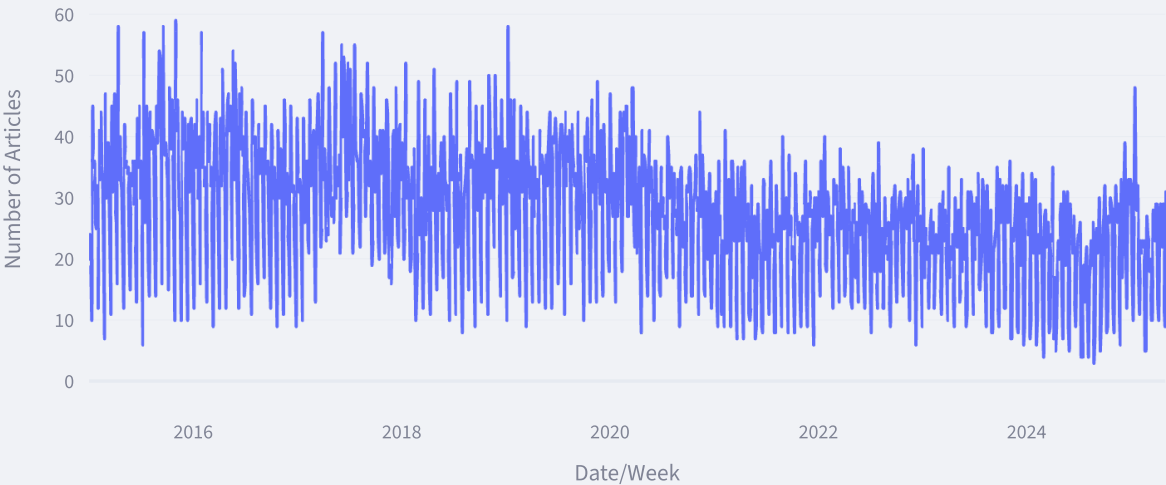
Distribution of Sentiment Scores by Category

News Volume Trend

Analyze the daily or weekly volume of news articles (based on global filters).

Select aggregation period:

◉ Daily

◯ Weekly

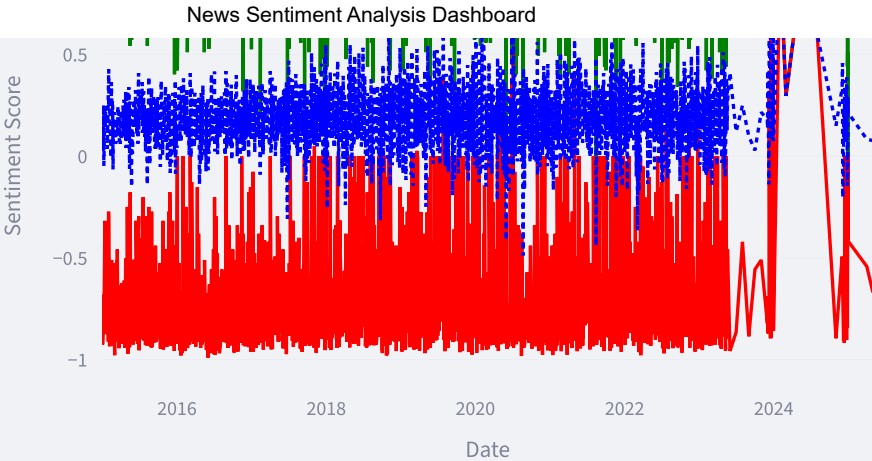**Daily News Article Volume Over Time**

Sentiment Extremes Trend (Min/Max)

Track the minimum (most negative) and maximum (most positive) sentiment scores over time (based on global filters).

Daily Sentiment Extremes and Mean Over Time

Top N Articles by Sentiment

View the most positive or most negative articles based on current filters.

Select Sentiment Type

Number of Articles to Display (N)

⦿ Most Positive

○ Most Negative

| 5 | − | + |

A Whole Roasted Squash With Tomato-Ginger Chickpeas for a Fuss-Free Feast (Score: 0.99) - 2023-12-21 ⌄

36 Hours in Palm Beach, Fla. (Score: 0.99) - 2015-03-25 ⌄

What to Cook This Week (Score: 0.99) - 2019-04-28 ⌄

36 Hours in Curaçao (Score: 0.99) - 2020-02-06 ⌄

Give Yourself a Break (Score: 0.99) - 2022-12-07 ⌄

Dashboard Ready!