**Sentiment Analysis Algorithms**

**Procedure:**

First, we get relevant links from newsapi based on keyword. Then we extract data from each link one by one and sentiment analysis is done on each link’s data.

**Methodology**

**Tools and Libraries:**

* **VADER**: A tool optimized for social media sentiment analysis, known for its simplicity and effectiveness in handling informal language.
* **Flair**: A deep learning-based NLP library that leverages pre-trained language models for high accuracy in sentiment detection.
* **NLTK Sentiment**: Part of the NLTK library, providing basic sentiment analysis capabilities.
* **TextBlob**: A straightforward library for NLP tasks, including sentiment analysis.

**Results**

* **Flair**: Provided a more nuanced and accurate score.