BRAIN

Brain Sentiment Indicator - Crypto Version

Product Summary

The Brain Sentiment Indicator (Crypto version) monitors public financial news for 60+ of the major cryptocurrencies from thousands of financial media sources in 33 languages. The sentiment scoring technology is based on a combination of various Natural Language Processing techniques.

The sentiment score assigned to each crypto is a value ranging from -1 (most negative) to +1 (most positive) that is updated with a daily frequency.
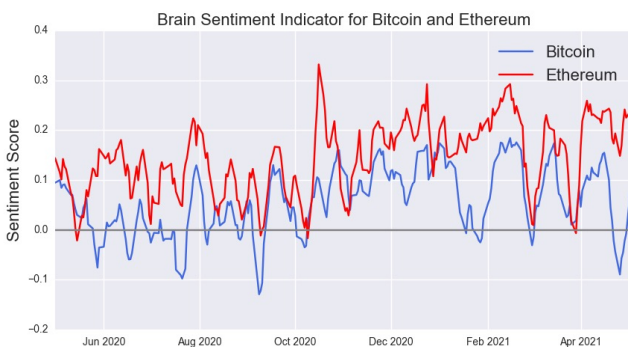
The sentiment score corresponds to the average of sentiment for each piece of news and it is available on three time scales; 1 day, 7 days and 30 days.

Methodology

1. Financial news are collected every few minutes from various financial media
2. Brain engine assigns a specific category to each piece of news (e.g. "beat expectations" or "positive price result") using semantic rules. Each category has a predefined value of sentiment.
3. If the categorization fails a bag of words approach is used based on dictionaries customized for Financial news. The approach includes a strategy for negation handling.
4. Repetition of similar news is kept into account in the sentiment aggregation.

Sentiment of Bitcoin and Ethereum

The following graph shows the comparison of sentiment score (7 days aggregation) for *Bitcoin* (blue) and *Ethereum (red)* from January 2020 to May 2021. To be noted the obvious correlation between the two scores in certain periods and also how the *Ethereum* sentiment has be consistently higher than *Bitcoin* sentiment.
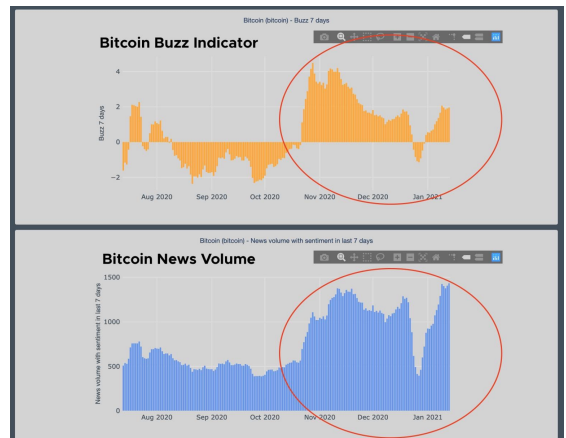

Brain Sentiment Indicator for Bitcoin and Ethereum

Bitcoin Buzz Analysis

An additional metric included in the dataset is the buzz score measuring how much attention in terms of news volume is getting one crypto compared to the past.
For example the buzz indicator applied to Bitcoin news flow suddenly increased in November showing that the number of published articles almost triplicated in a couple of weeks discussing the bitcoin positive results. The media attention has been high since then (except the obvious drop during Christmas week) following the various swinging movements in January 2021.

Delivery Settings

The sentiment data for each piece of news is averaged on two time scales, considering the piece of news of last 7 days and of last 30 days. The data are exported daily and are available by 2.00 AM UTC on our FTP sever.

Free Trial and Historical Dataset

As a free trial we provide approximately two years of history and upon request a 30 days access to the daily report.

Contacts

BRAIN is a Research Company that develops proprietary signals based on alternative data and algorithms for investment strategies on financial markets.

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