

**Enginius**

# Sentiment Analysis

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## Word cloud

## Word cloud of the most frequent words



**Word cloud.** The word cloud represents the most frequently used words inside the corpus of texts provided. The bigger a word appears, the larger the number of times it occurs in the text corpus.

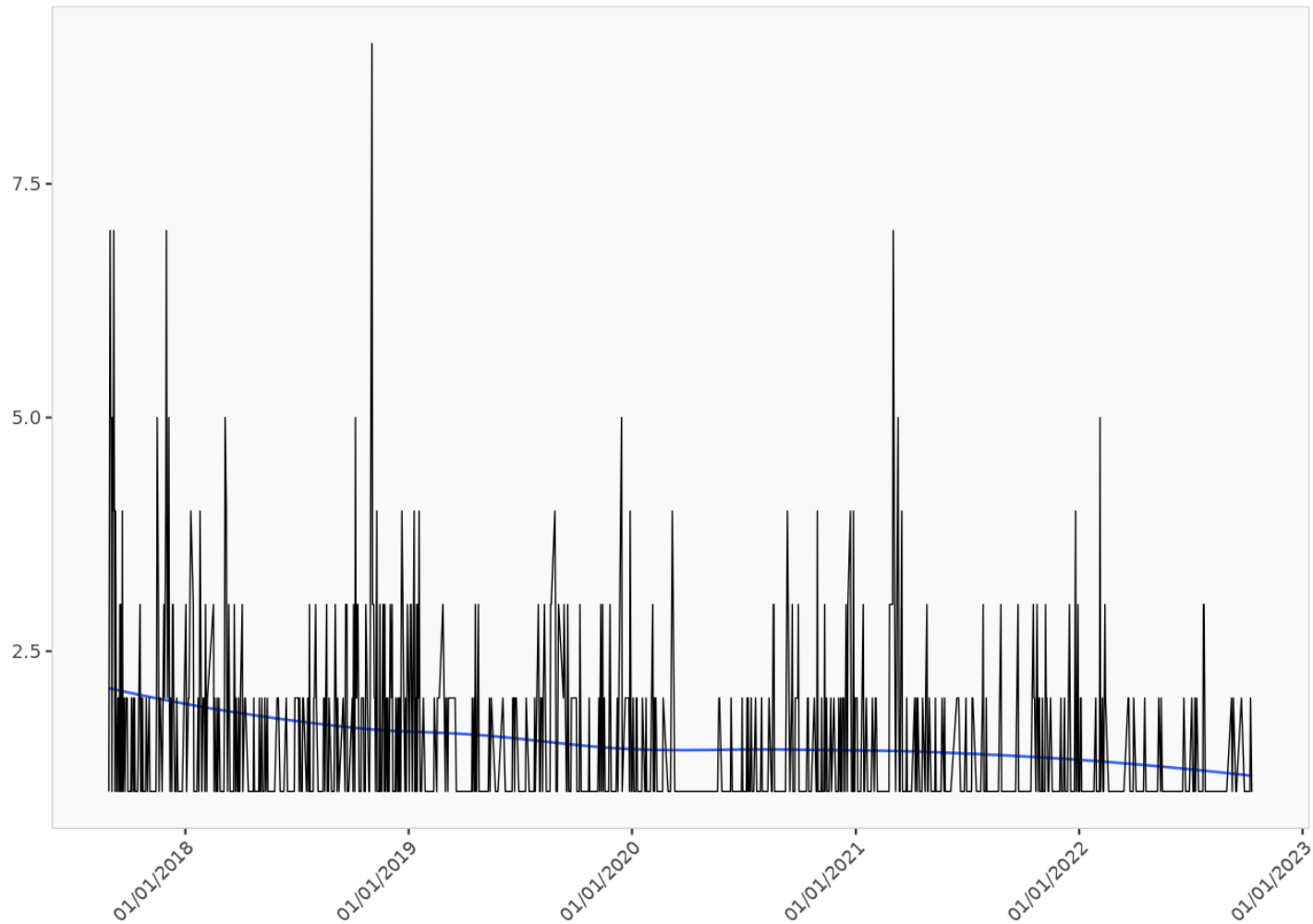
### Word cloud of the most frequent words (without stemming)



# Sentiment analysis overview

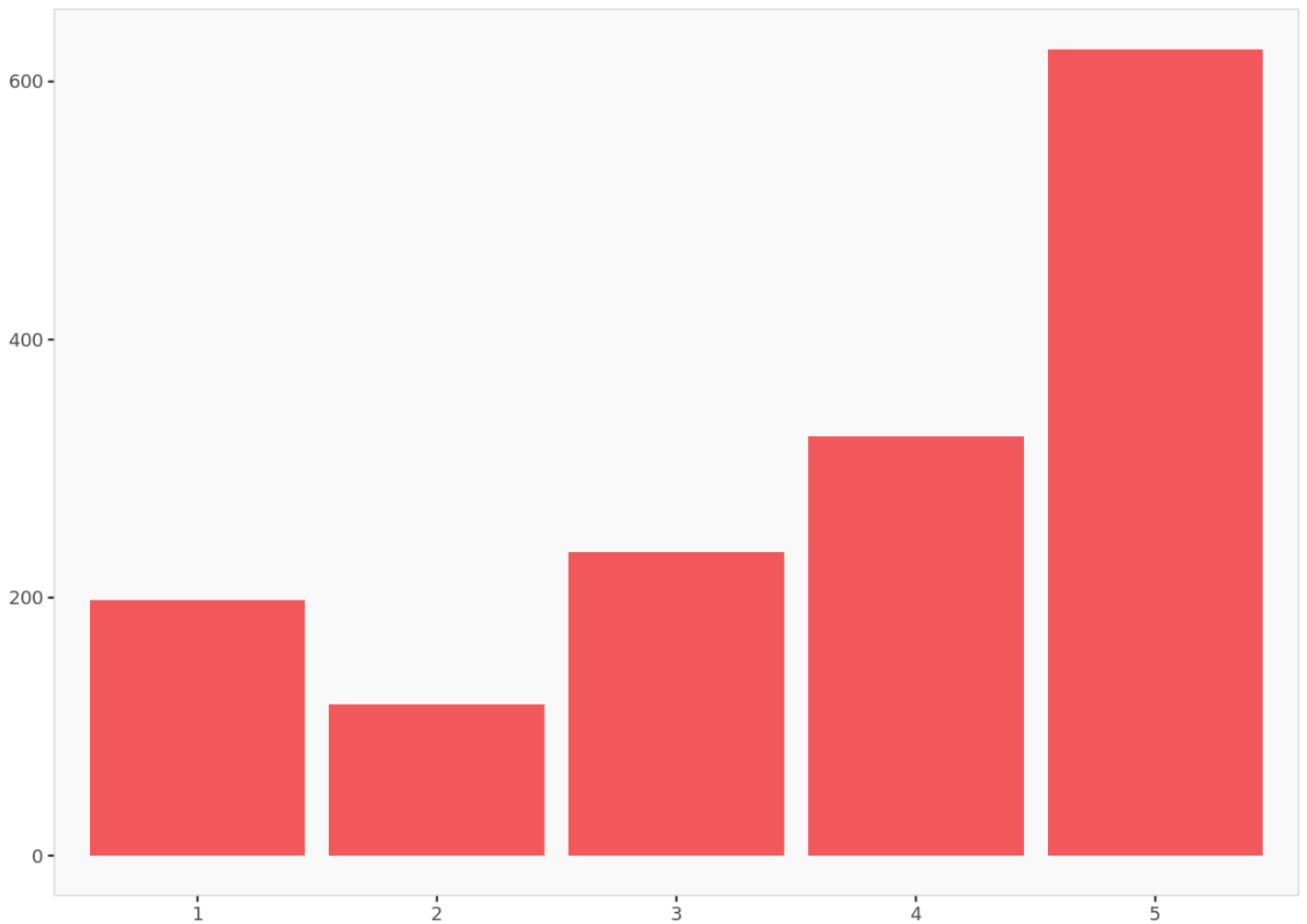
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## Post frequency



**Post frequency.** The post frequency graph indicates the daily frequency of posts. The blue smoothing line helps visualize the trend.

## Rating histogram



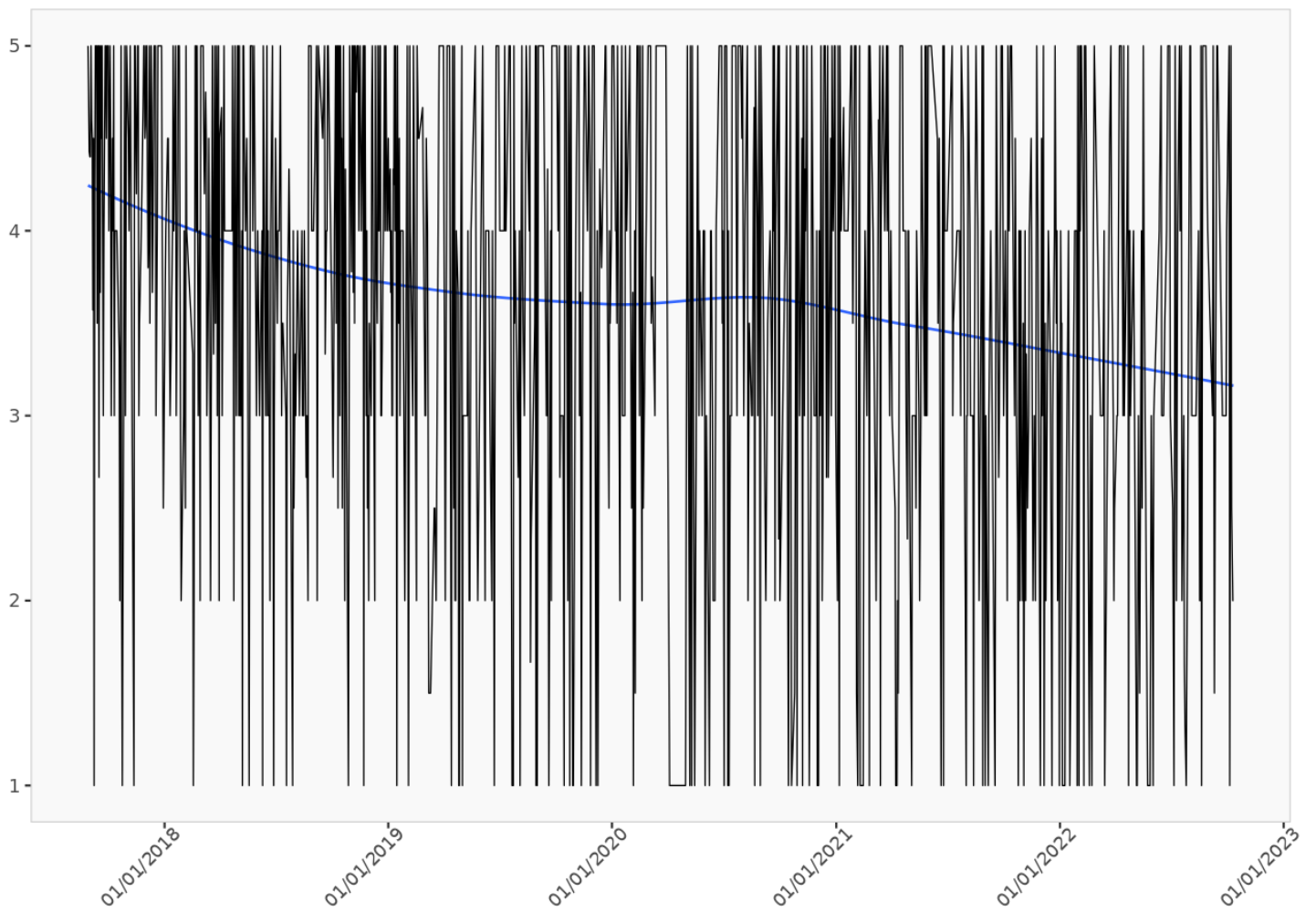
**Rating histogram.** The rating histogram indicates the number of posts categorized by their valence.

Rating frequency

	Frequency	Relative frequency
Total	1 500	100%
1	198	13%
2	117	8%
3	235	16%
4	325	22%
5	625	42%

**Rating frequency.** Row names indicates the rating value, then frequency gives the number of post associated to this rating.

Average rating by dates



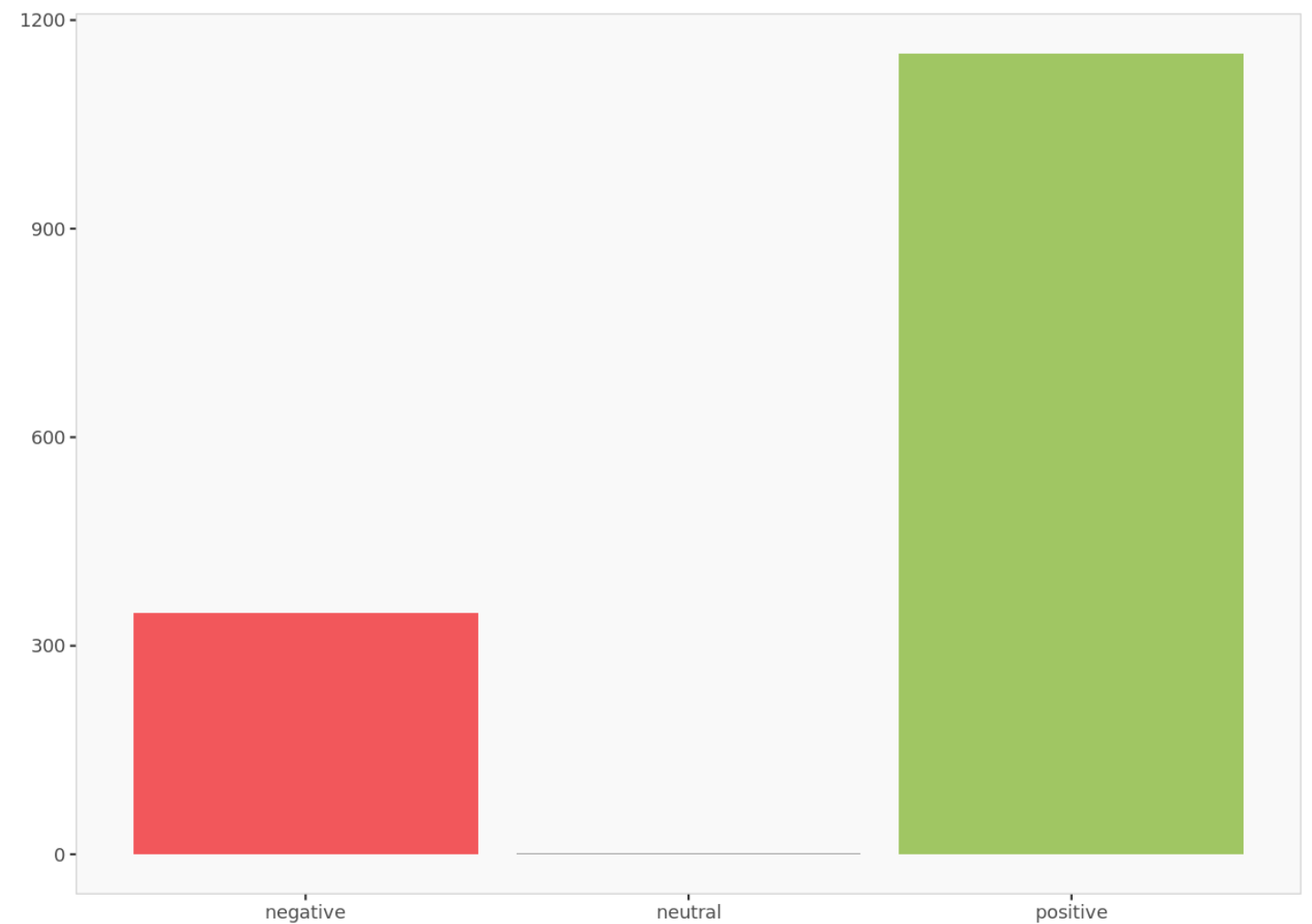
**Average rating.** The average rating graph indicates for each date the average rating of the posts. The blue smoothing line helps to visualize the trend.

# Valence analysis

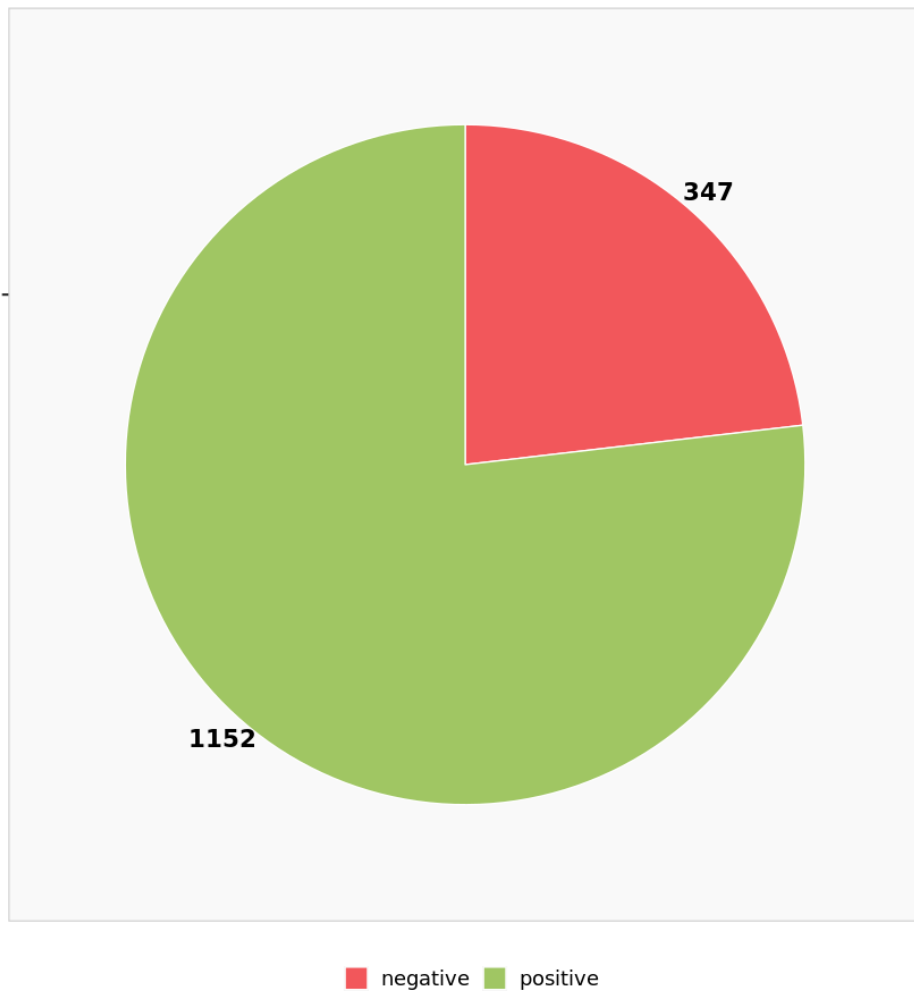
## Valence repartition

	Posts count	Relative posts count
Total	1 500	100%
negative	347	23%
neutral	1	0%
positive	1 152	77%

**Valence repartition.** The number of posts that fall into different valence categories summarized by their absolute and relative values.



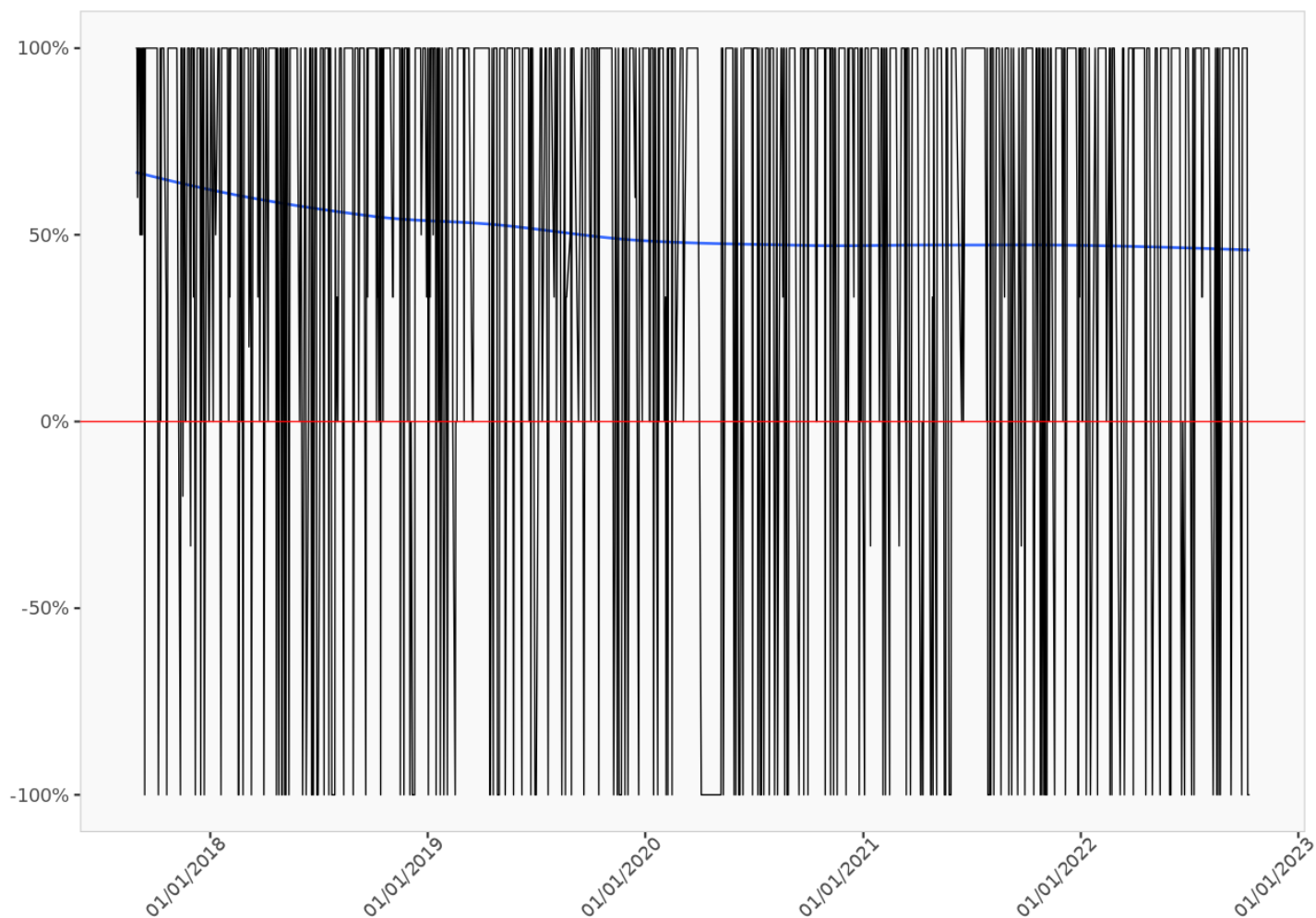
**Valence histogram.** The valence histogram indicates the number of posts by their valence.



**Valence distribution without uncategorized posts.** Graphic summary of the relative sizes of the number of posts classified by valence after ignoring posts that could not be categorized (i.e., neutral posts).

## Valence evolution





**Post valence ratio.** The post valence ratio graph indicates the daily average number of positive posts. The blue smoothing line helps visualize the trend.

## Valence word cloud



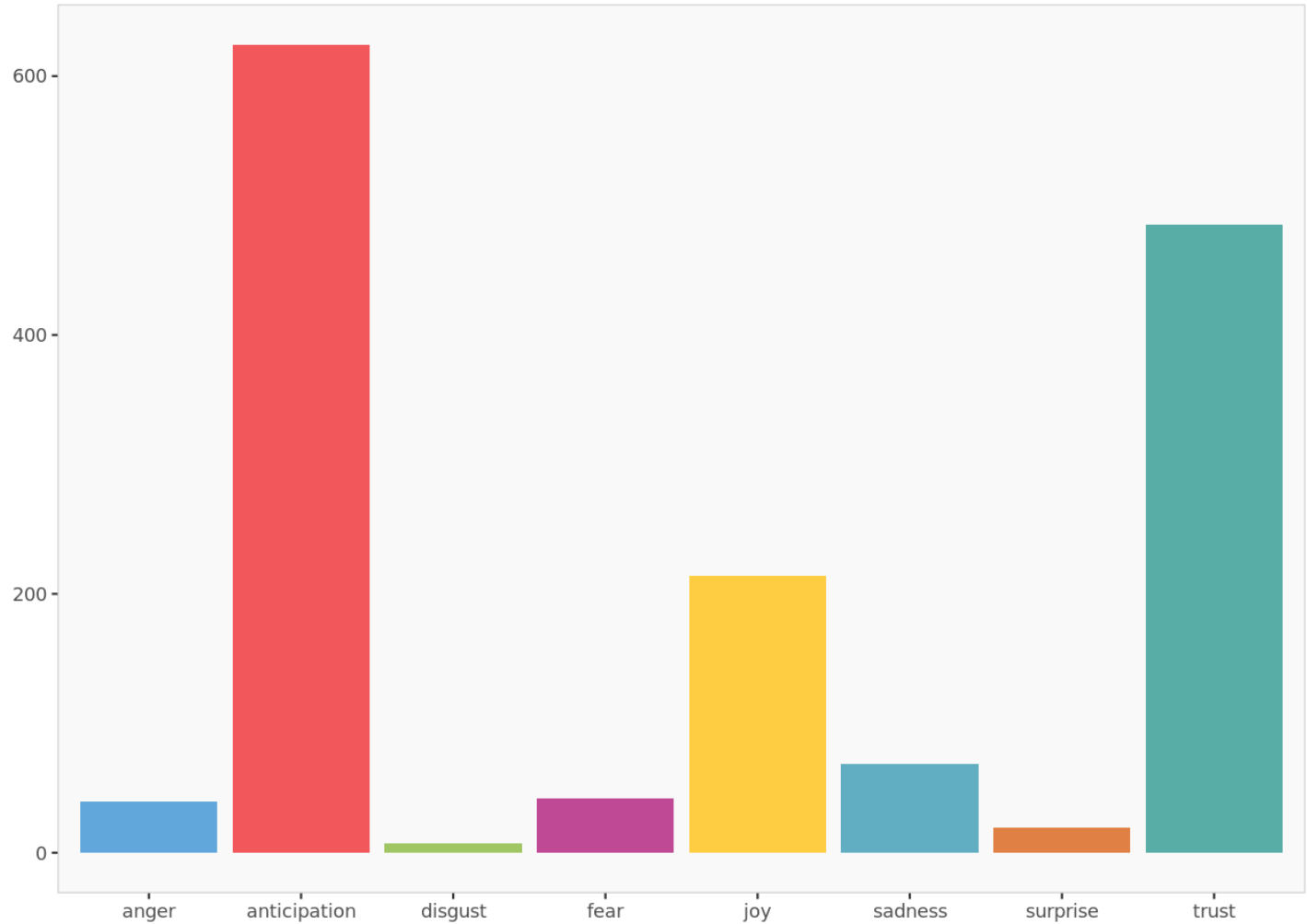
**Valence word cloud.**

# Emotion analysis

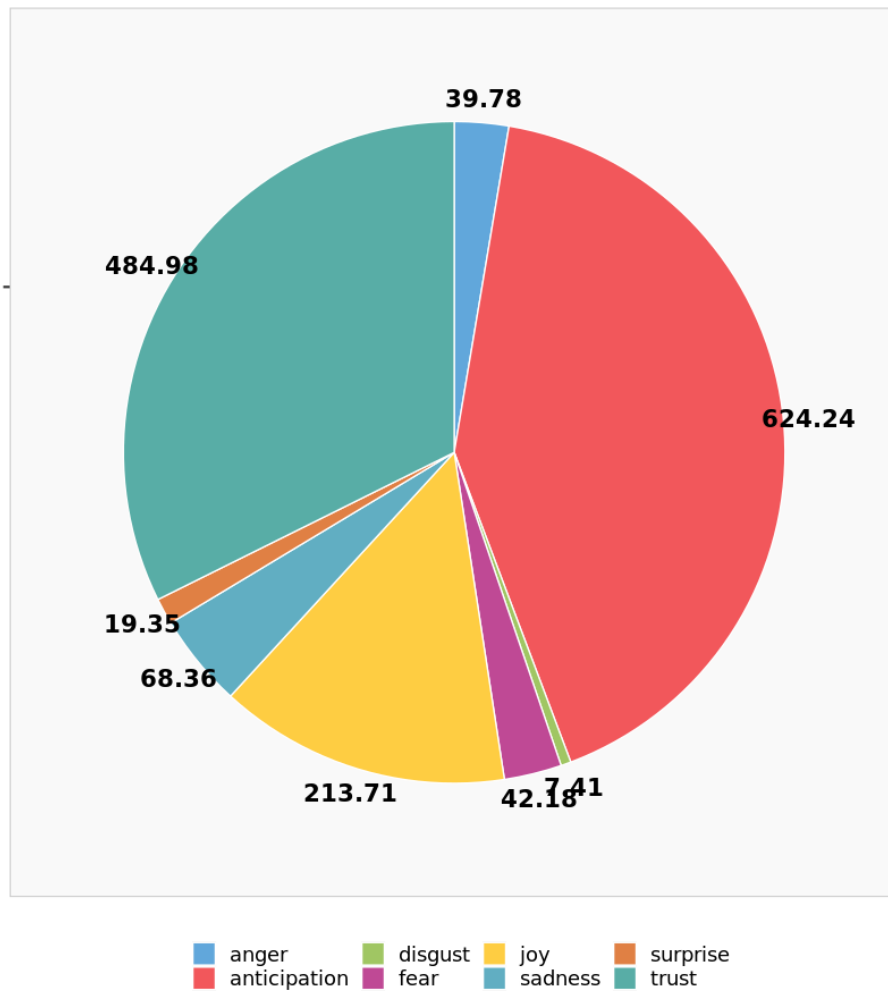
## Emotion repartition

	Posts count	Relative posts count
Total	1 500.00	100%
anger	39.78	3%
anticipation	624.24	42%
disgust	7.41	0%
fear	42.18	3%
joy	213.71	14%
sadness	68.36	5%
surprise	19.35	1%
trust	484.98	32%

**Emotion repartition.** The number of posts that fall into different emotion categories summarized by their absolute and relative values. If a post has multiple emotions, then it is equally divided among those emotions.



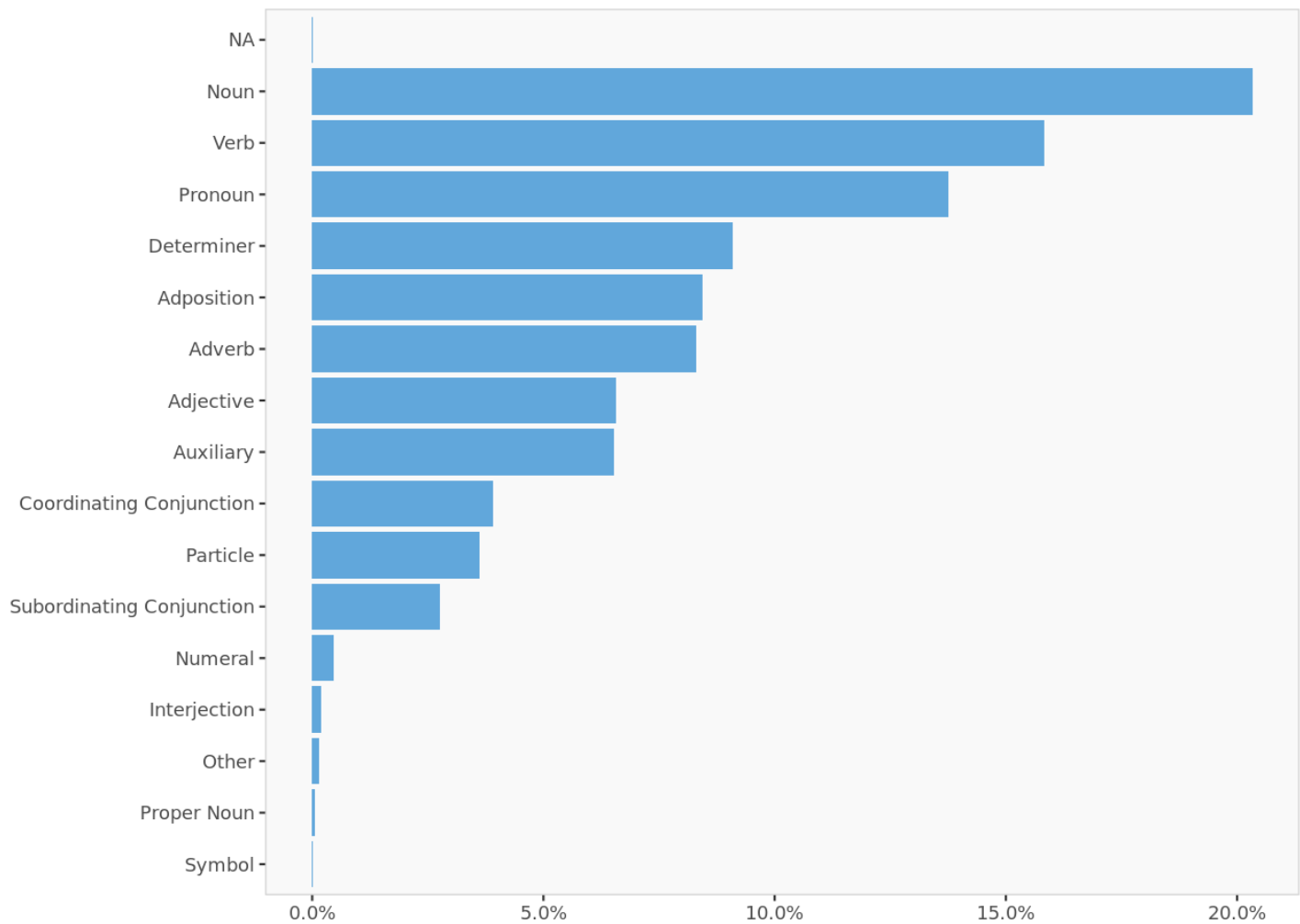
**Emotion histogram.** The emotion histogram indicates the number of posts by their emotion.



**Emotion distribution without uncategorized posts.** Graphic summary of the relative sizes of the number of posts classified by emotion after ignoring uncategorized posts.

## Emotion word cloud





**Distribution of Universal Parts of Speech Tags.**