

Most Common English Nouns in Positive Labeled Tweets

The word cloud displays a variety of terms, with the most frequent being 'freedom', 'hero', 'thank', 'way', 'support', 'love', 'life', 'slava', 'ukraini', 'peace', 'work', 'woman', 'friend', 'morning', 'god', 'christmas', 'victory', 'independence', 'refugee', 'week', 'uk', 'twitter', 'event', 'birthday', 'music', 'state', 'donation', 'democracy', 'fight', 'service', 'heart', 'kherson', 'community', 'hope', 'energy', 'nation', 'song', 'respect', 'job', 'mariupol', 'project', 'nft', 'month', 'story', 'courage', 'opportunity', 'stprussia', 'game', 'finland', 'night', 'art', 'weapon', 'company', 'photo', 'guy', 'power', 'kyiv', 'lot', 'armukrainenow', 'goal', 'truth', 'place', 'moment', 'poland', 'glory', 'family', 'future', 'flag', 'member', 'holiday', 'zelenskyy', 'help', 'aid', 'army', 'child', 'solidarity', 'team', 'soldier', 'word', 'willwin', 'history', 'security', 'congratulation', 'home', 'partner', 'minister', 'thing'.

[illegible]

The chart displays the monthly volume of English tweets categorized by sentiment. The total number of tweets peaks in early 2022 at approximately 1.8 million. Positive sentiment (blue) is the most frequent, followed by Negative sentiment (orange), and then Neutral sentiment (green). The overall trend shows a decrease in tweet volume over time, with a notable dip in mid-2022 and another in mid-2023.

Month	Positive (1e6)	Negative (1e6)	Neutral (1e6)	Total (1e6)
2022-02	0.15	0.05	0.00	0.20
2022-03	1.10	0.45	0.25	1.80
2022-04	0.70	0.30	0.10	1.10
2022-05	0.65	0.55	0.15	1.35
2022-06	0.45	0.45	0.10	1.00
2022-07	0.40	0.35	0.10	0.85
2022-08	0.38	0.25	0.10	0.73
2022-09	0.40	0.25	0.10	0.75
2022-10	0.42	0.25	0.10	0.77
2022-11	0.35	0.25	0.10	0.70
2022-12	0.35	0.20	0.10	0.65
2023-01	0.30	0.20	0.10	0.60
2023-02	0.32	0.25	0.10	0.67
2023-03	0.28	0.20	0.10	0.58
2023-04	0.15	0.15	0.10	0.40
2023-05	0.05	0.05	0.05	0.15
2023-06	0.10	0.05	0.05	0.20

The graph displays the fraction of positive tweets over time. The y-axis represents the fraction $\frac{\text{\#positive}}{\text{\#negative} + \text{\#positive}}$, ranging from 0.14 to 0.26. The x-axis represents the month, from February 2022 to March 2023. The fraction starts at approximately 0.128 in February 2022, rises to 0.165 in March 2022, dips to 0.145 in April 2022, then peaks at 0.215 in May 2022. It then declines to 0.171 in July 2022, remains relatively stable around 0.17 until October 2022, and then rises sharply to a peak of 0.26 in December 2022. After a drop to 0.202 in January 2023, it rises to 0.215 in February 2023 and ends at 0.182 in March 2023.

Month	Fraction $\frac{\text{\#positive}}{\text{\#negative} + \text{\#positive}}$
2022-02	0.128
2022-03	0.165
2022-04	0.145
2022-05	0.215
2022-06	0.200
2022-07	0.171
2022-08	0.169
2022-09	0.172
2022-10	0.168
2022-11	0.215
2022-12	0.260
2023-01	0.202
2023-02	0.215
2023-03	0.182

Month	ukraine	russia
2022-02	0.112	0.065
2022-03	0.124	0.058
2022-04	0.172	0.075
2022-05	0.138	0.061
2022-06	0.141	0.072
2022-07	0.144	0.057
2022-08	0.144	0.067
2022-09	0.172	0.067
2022-10	0.163	0.063
2022-11	0.146	0.064
2022-12	0.135	0.063
2023-01	0.152	0.071
2023-02	0.167	0.070
2023-03	0.158	0.064