Sentiment Analysis

On tweets related to Russia's war against Ukraine

By Group 18

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- Analyzed dataset of tweets/retweets
 - 16 tweets from Elon Musk
 - 336 906 replies
 - Between October 3rd -6th 2022
- Motivation
 - Identify factors driving this sentiment
 - Suggestions to improve Ukraine's presence and image



Introduction / Motivation

- Analyzed dataset of tweets/retweets
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Analysis Steps

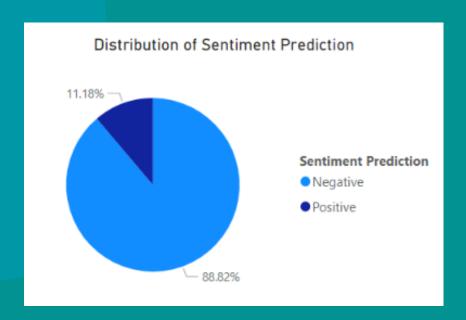


Results Classification

Sentiment Classification

• Negative sentiment 88.8 %

Positive Sentiment 11.2

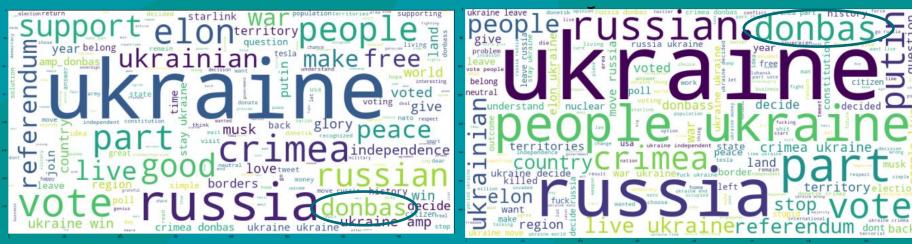




Positive Sentiment



Positive Sentiment



Positive Sentiment



Positive Sentiment



Positive Sentiment



Positive Sentiment



Positive Sentiment



Positive Sentiment



Positive Sentiment



Positive Sentiment



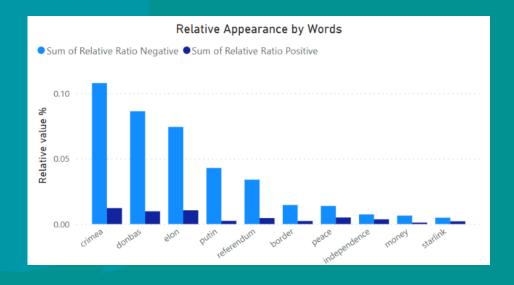
Positive Sentiment

Results Sentiment by Words

Results Sentiment by Words

 Keywords relative number of appearance

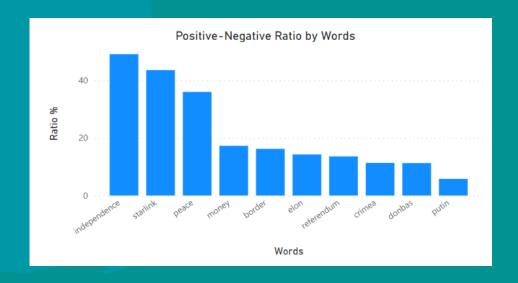
Sentiment Ratio by words



Results Sentiment by Words

 Keywords relative number of appearance

Sentiment Ratio by words





Negative



How Elon Musk's Starlink Became Invaluable To Ukraine's War Effort

Zelenskyy praised Elon Musk's Starlink for saving Ukraine from Russian propaganda in Wired interview

Elon Musk activates Starlink to help keep Ukraine's internet up and running

Elon Musk's Starlink satellites are helping Ukraine's elite drone unit destroy Russian tanks and trucks in the night: report

Negative



How Elon Musk's Starlink Became Invaluable To Ukraine's War Effort

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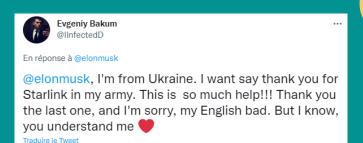
Exclusive: Musk's SpaceX says it can no longer pay for critical satellite services in Ukraine, asks Pentagon to pick up the tab

Ukraine lost access to 1,300 Starlink terminals over a funding issue

Ukrainian engineers scramble to keep mobile phones working

Elon Musk's Starlink satellite internet is reportedly raising prices in Ukraine





Negative



- Crimea background
 - geographical location of Crimea is strong
 - Annexation in 2014

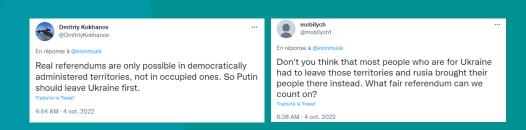


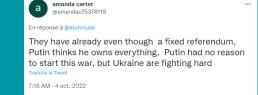
- Why is it a hot topic
 - United States proposal for peace deal
 - Russia withdraw
 - Except Crimea
 - Referendum in the future
 - Elon Musk tweet

.

Let's try this then: the will of the people who live in the Donbas & Crimea should decide whether they're part of Russia or Ukraine

- Negative Sentiment
 - Referendum wouldn't have fair representation
 - No reason for referendum







2:13 PM · 3 oct. 2022

White Lily...

Fake results

Suggestion Starlink

- Seek help to allies to subsidize cost
- Negotiate to keep cost
- Benefits:
 - Highlight on social media current situation
 - Helps troop for communication

Suggestion Crimea

 Ask allies for more help in getting Crimea back. Ukraine has a right to return Crimea and Germany should help – head of Munich Security Conference

 Accept peace deal IF referendum can be done by a trusted third party, and the vote includes people that had to evacuate (acknowledge this would be hard)

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