

Taiwan Digital Diplomacy & Minerva University

Analysis of Social Media Activity Regarding the Russian Invasion of Ukraine

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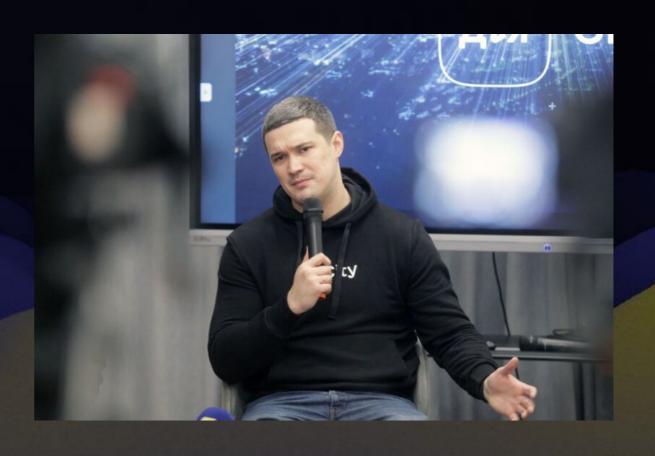


Digital Minister

Language of Tweets:

- •93% English
- •3% Ukrainian
- •4% Other







Federov is cool because he has been using Twitter to directly reach out to tech companies.



"俄羅斯的錢是血錢!它幫助俄羅斯導彈襲擊烏克蘭的房子,幼兒園和醫院,殺死平民!

@UnionPay_Intl, 停止使用血錢, 停止在俄羅斯的服務"

"Russian money is blood money! It helps Russian missiles attack Ukrainian houses, kindergartens and hospitals, killing civilians! @UnionPay_Intl, stop using blood money, stop service in Russia"

M. Federov



He even reached out to Elon Musk

"@elonmusk, while you try to colonize Mars — Russia try to occupy Ukraine! While your rockets successfully land from space — Russian rockets attack Ukrainian civil people! We ask

you to provide Ukraine with Starlink stations and to address sane Russians to stand."

Starlink Service is now available in Ukraine. More terminal en route.

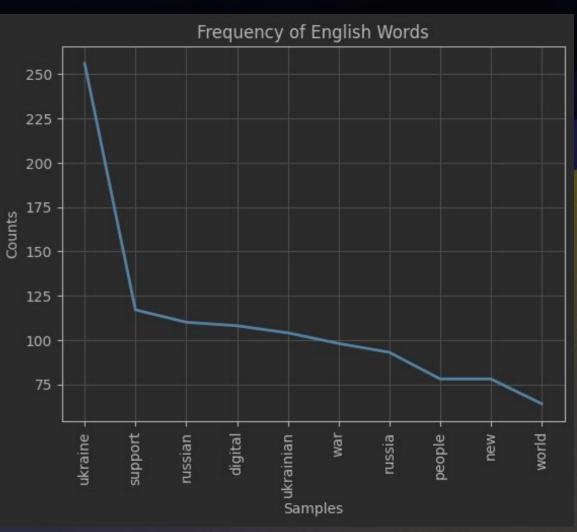


Let's Analyze the Context of the Social Media Post by Minister Federov

Most Common English Words

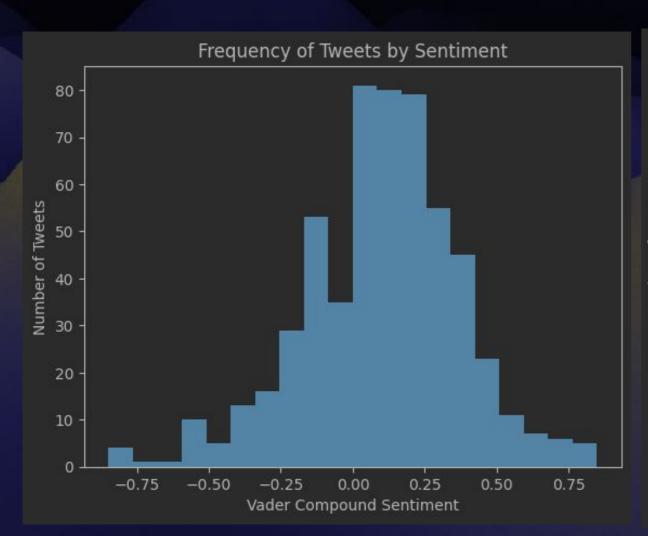


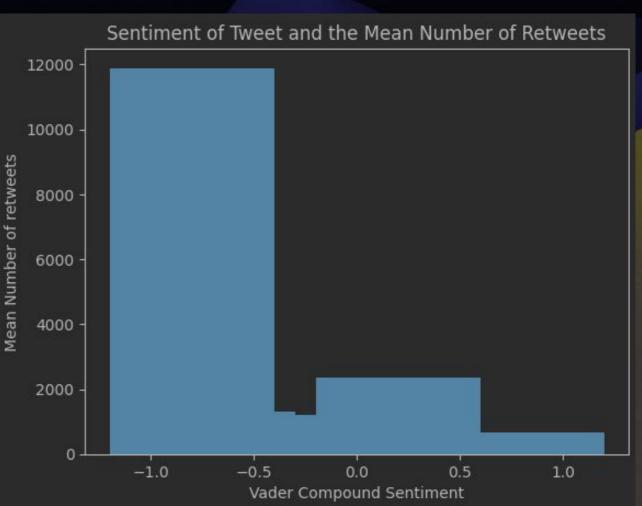












Volodymyr Zelenskyy

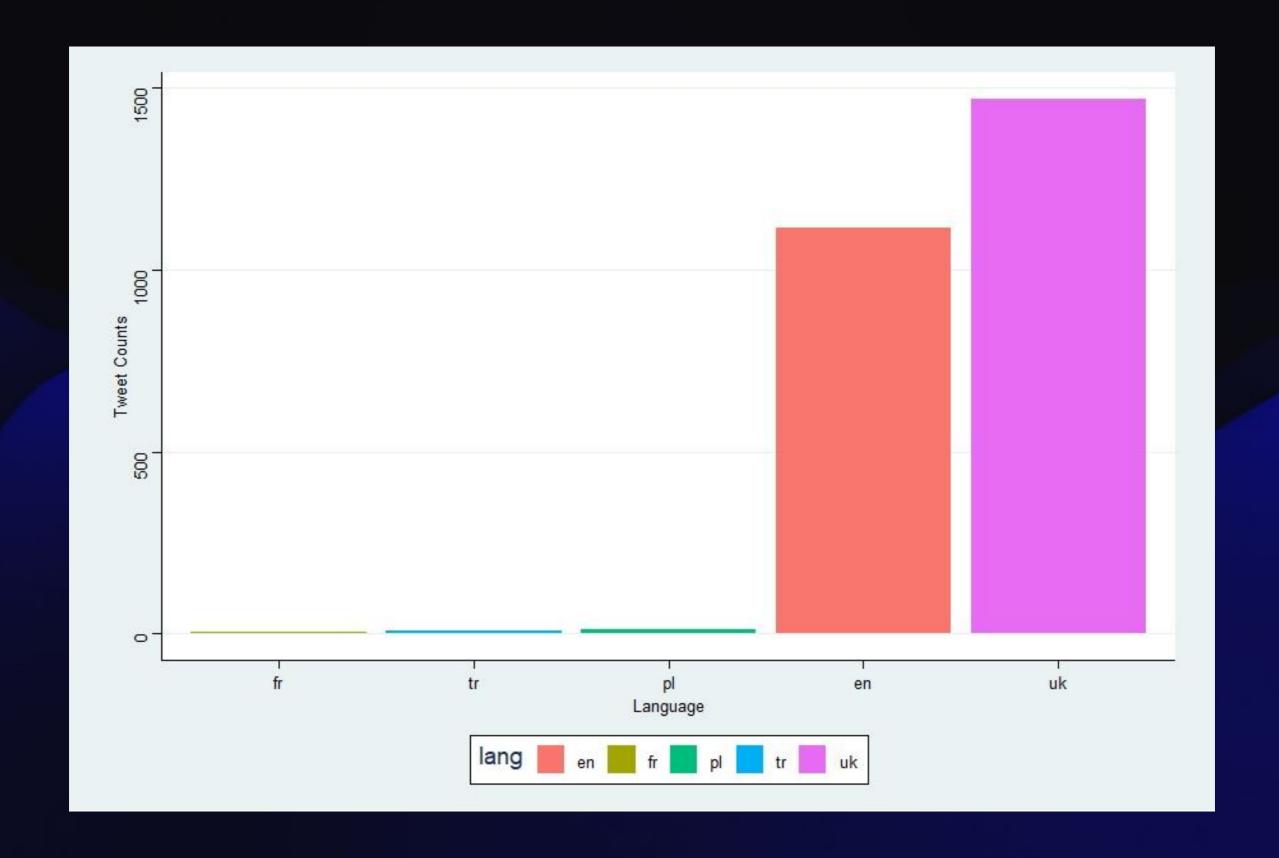
President

Language of Tweets:

- •42% English
- •55% Ukrainian
- •3% Other

Most Tweets are direct translations







"Thank you @POTUS & Deople for showing solidarity once again - an aid package including Avenger air defense systems & Deople for showing solidarity once again - an aid package including Avenger air defense systems amp; missiles for Hawk air defense systems. Together we're building an air shield

to protect civilians. We're bringing victory over the aggressor closer!"

"Дякую @POTUS і дружньому ≥ народові за черговий прояв солідарності – пакет допомоги, що містить системи ППО Avenger і ракети для систем ППО Hawk. Разом будуємо повітряний щит, щоб захистити мирних українців, і наближаємо перемогу над агресором!"

V. Zelenskyy



President Zelenskyy also tweets in Polish

"E.g. Składam najszczersze życzenia Polskim przyjaciołom, sojusznikom, siostrom i braciom z okazji Święta Wojska Polskiego!Tylko razem możemy skutecznie obronić wolności i suwerenności naszych państw dla przyszłych pokoleń.Razem jesteśmy silniejsi!Chwała Polsce! Chwała Ukrainie!"

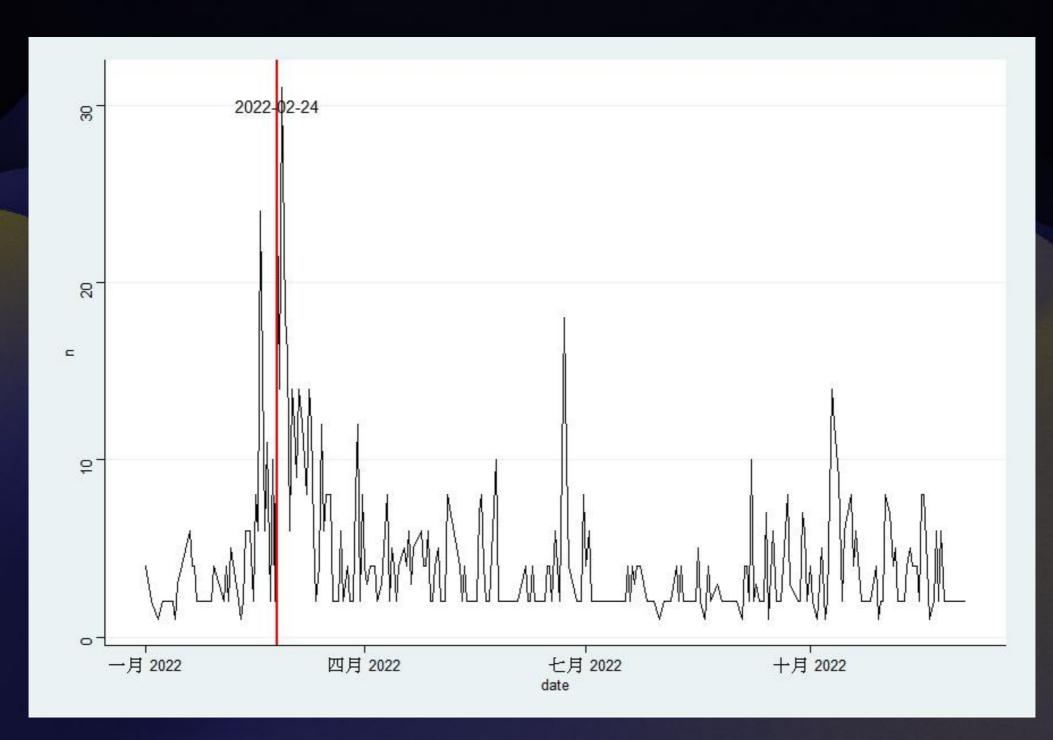
"I wish my best wishes to Polish friends, allies, sisters and brothers on the occasion of the Polish Army Day! Only together can we successfully defend the freedom and sovereignty of our countries for future generations. Together we are stronger! Glory to Poland! Glory to Ukraine!"



Let's Analyze the Context of the Social Media Post by President Zelenskyy

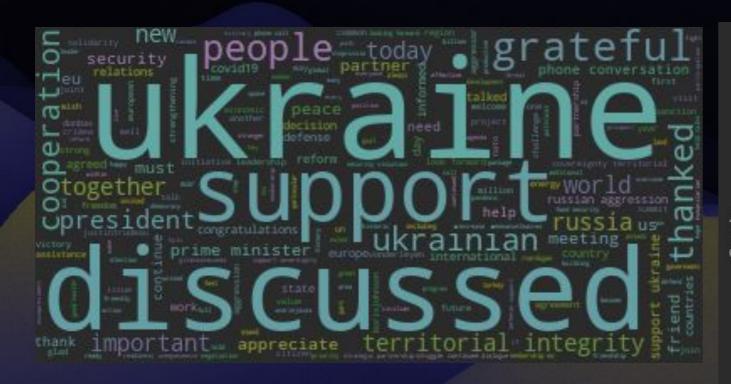


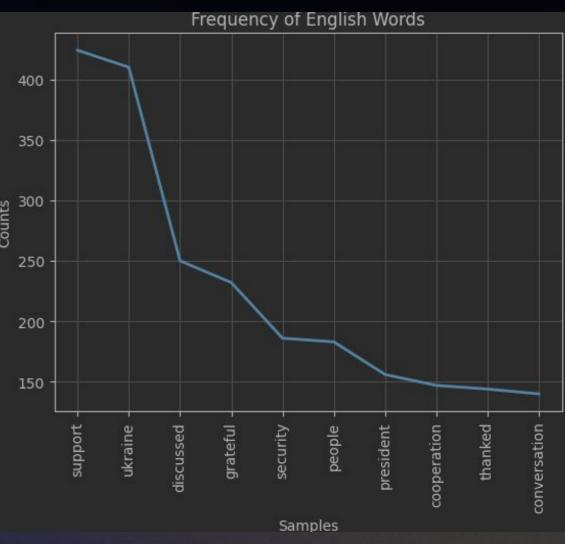
Timeline of Zelenskyy's Tweets



Most Common English Words

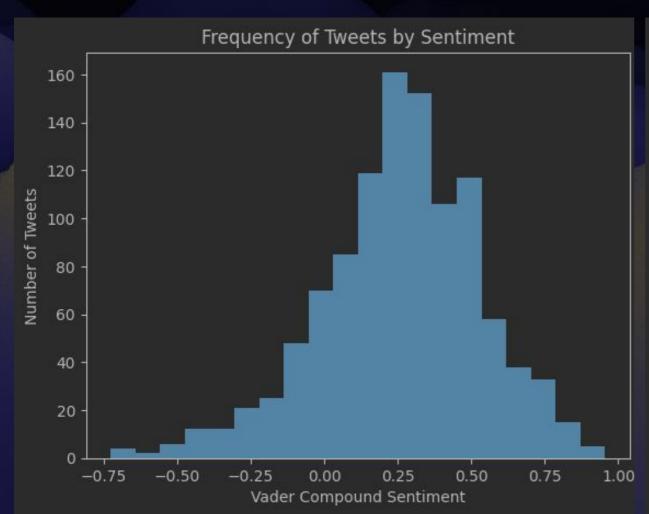


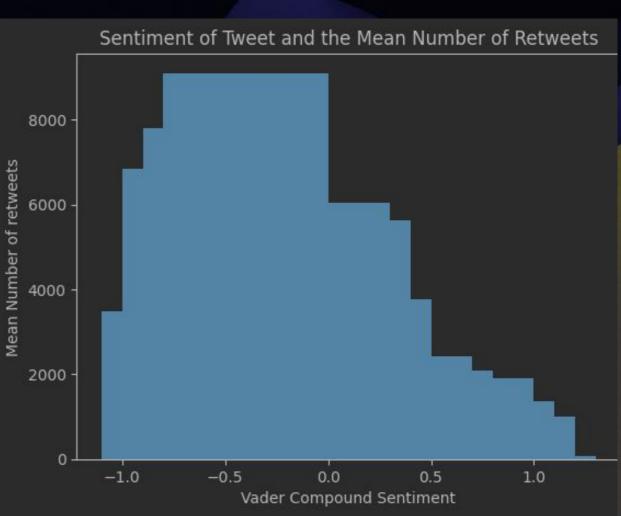














So, does aggressive Tweets get the most Retweets?



The negative Tweets were mostly expressing condolences



Examples

"Horrible news of a brutal assassination of former Prime Minister of Japan Shinzo Abe. I am extending my

deepest condolences to his family and the people of Japan at this difficult time. This heinous act of violence has no excuse."

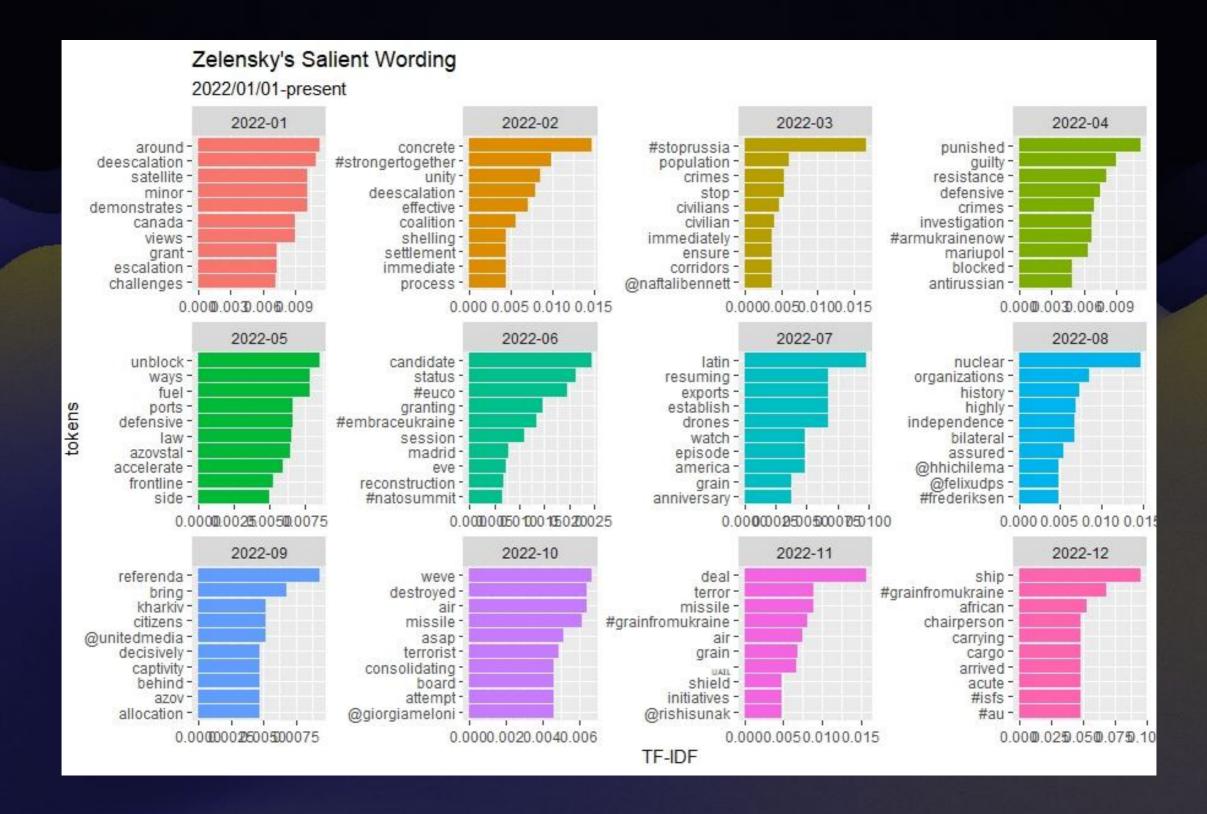
"'20 years ago horrific #9/11 terror attacks changed the world forever. Today, together with the American people, we remember the victims of this tragedy. There is no justification for terrorism, we must continue to jointly oppose it. We stay side by side with the USA in this fight https://t.co/Ff13Gj1130""

"Condolences to the families of the victims of the terrible floods in the countries of Western #Europe that took the lives of more than 150 people. I hope that the consequences of this disaster will be eliminated ASAP and all victims will receive the necessary assistance."

TF-IDF

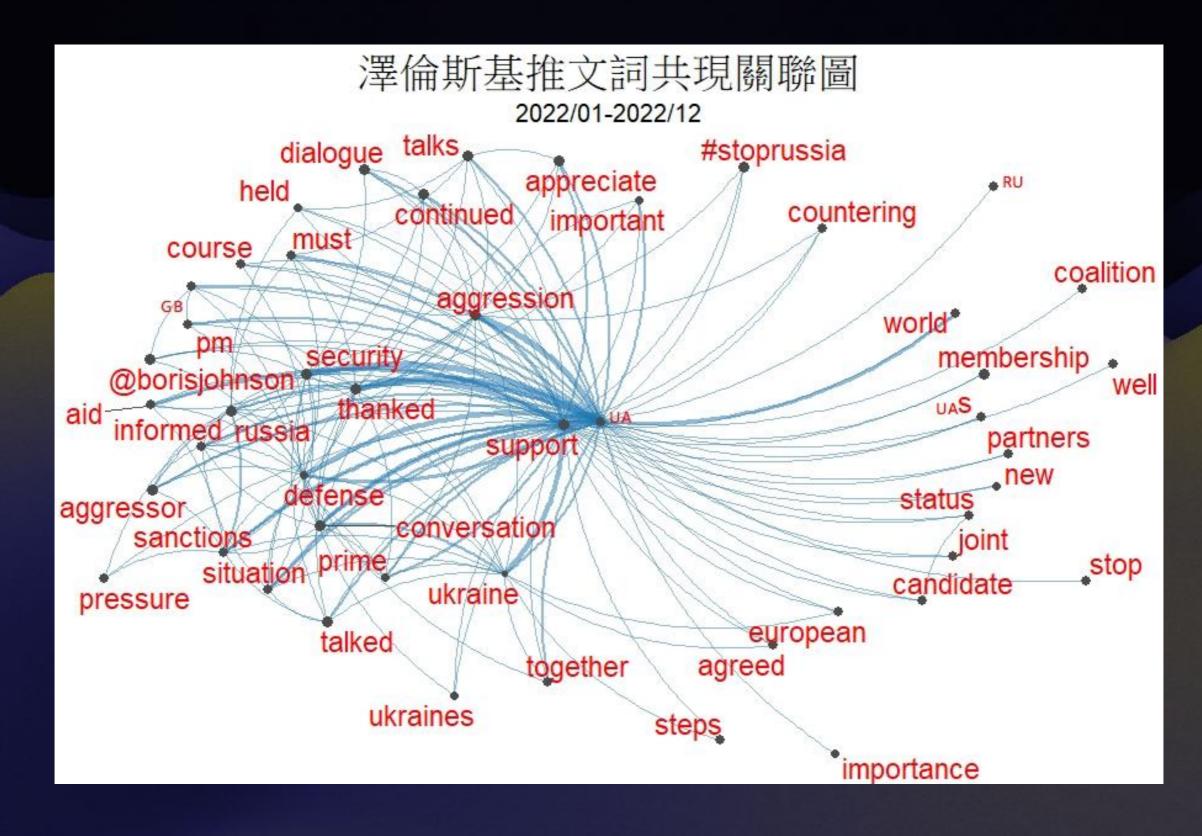
Term Frequency-Inverse Document Frequency





Word co-occurrence





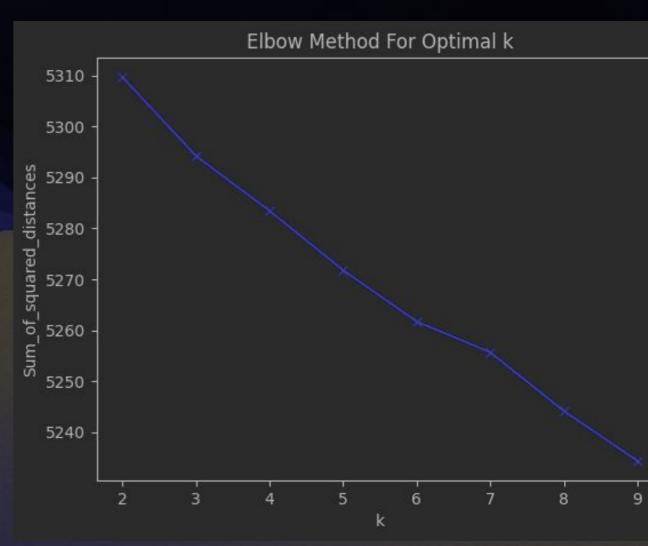


But are tweets actually related to the politics and real world?

Topics across **general** Twitter users about Ukraine

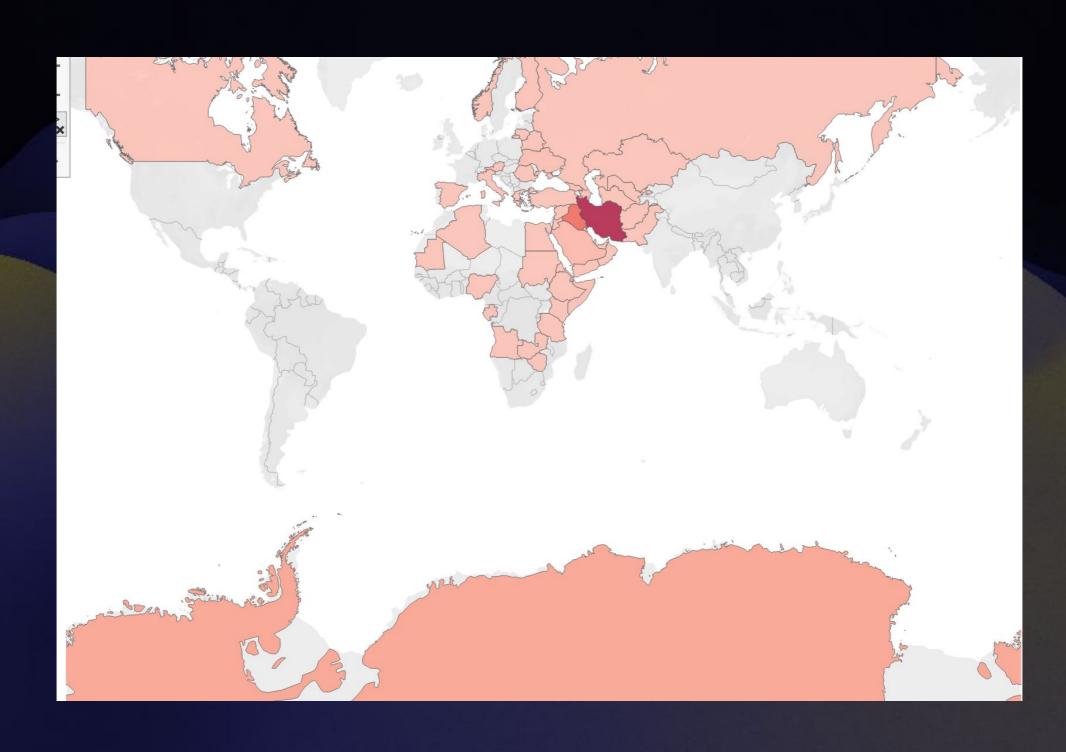
The lack of an "elbow" shows a lack of distinct topics.





Tweet Density per Country





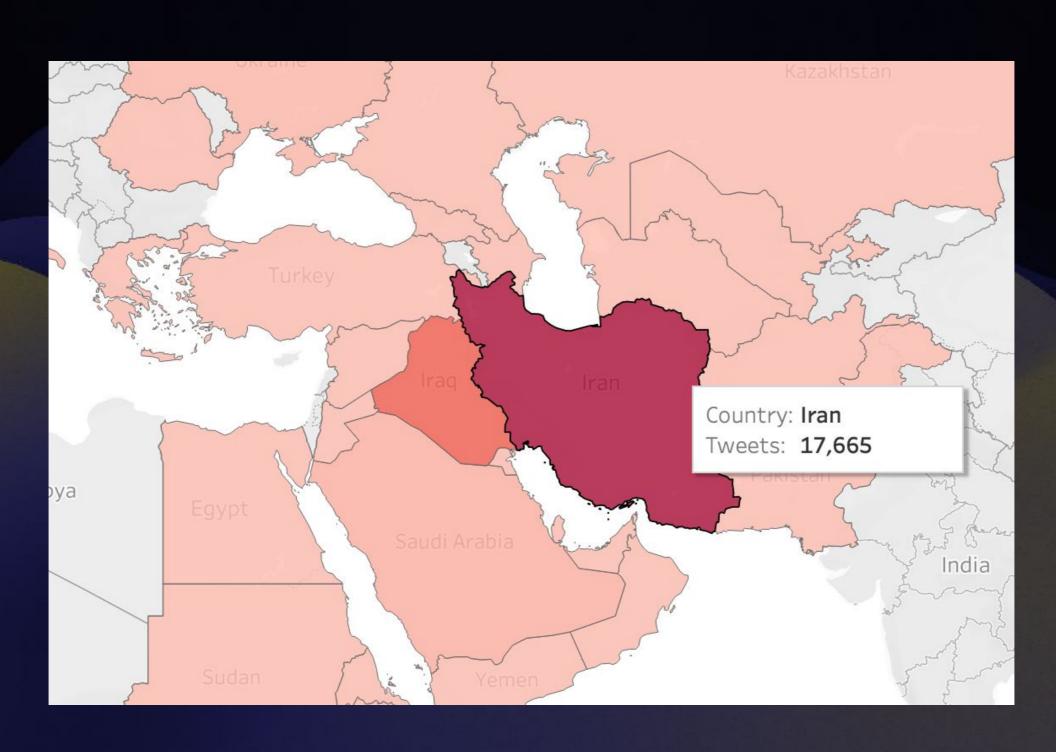


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Tweets were supposedly posted from Antarctica

Iran 17,665 Tweets







"When I despair, I remember that all through the history the way of truth and love has always won"

Mahatma Gandhi

Thank you