AI Frontiers in Multimodal Information Warfare: Defending Democracy and Strengthening StratCom in a Multilingual Landscape

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Information Warfare

A continuation between kinetic and political confrontation

Information Warfare

War comes closer to our homes and is even extended as it happens in our digital environment.

Information Warfare

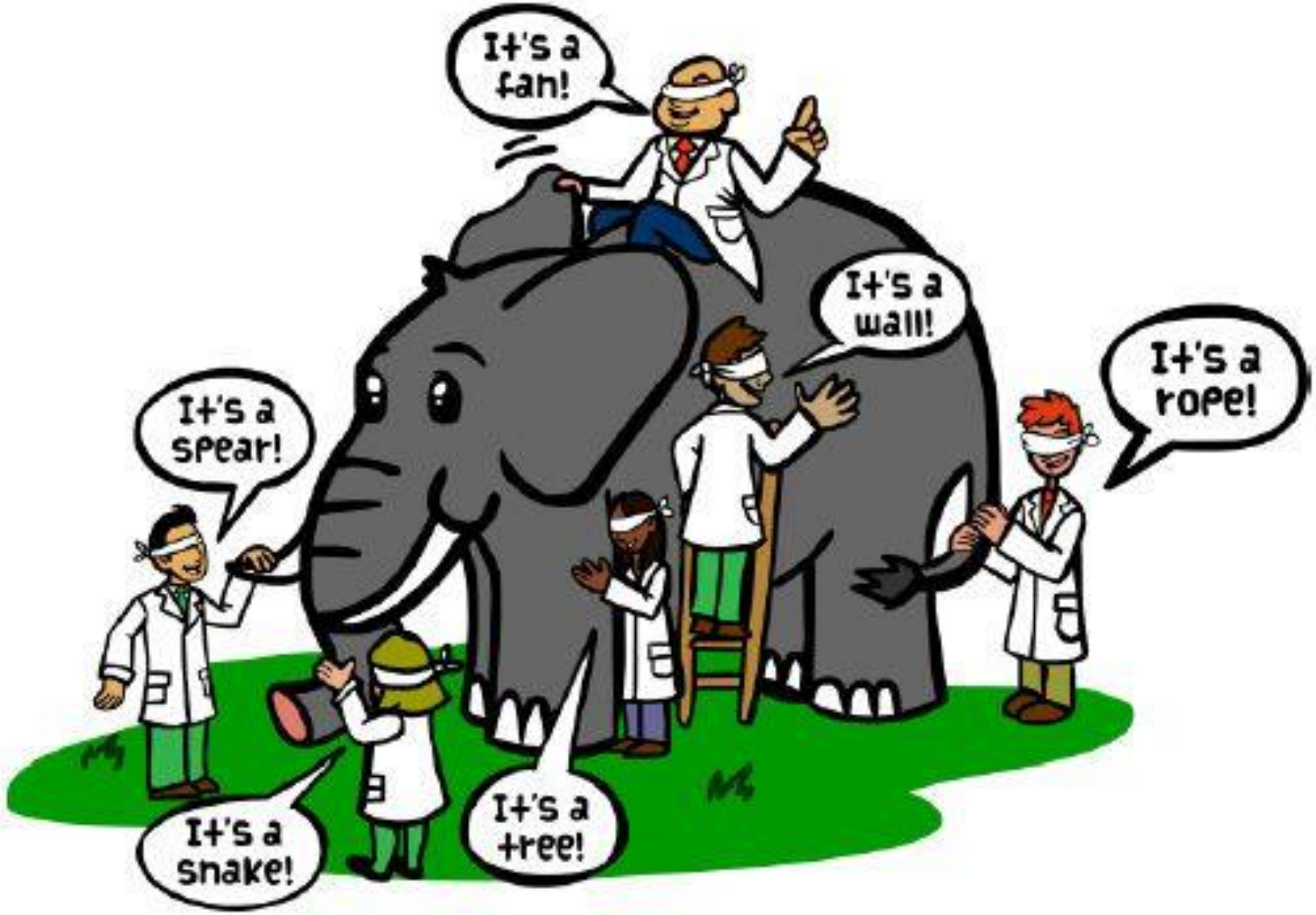
Technology serves as a force multiplier, allowing adversaries to bypass the need for qualitative elements.

What's on the menu?

Segments
Communication channels
Behaviors
Narratives
Sentiment

Wh

Seg
Cor
Beh
Nar
Sen



Main findings of 2022/23

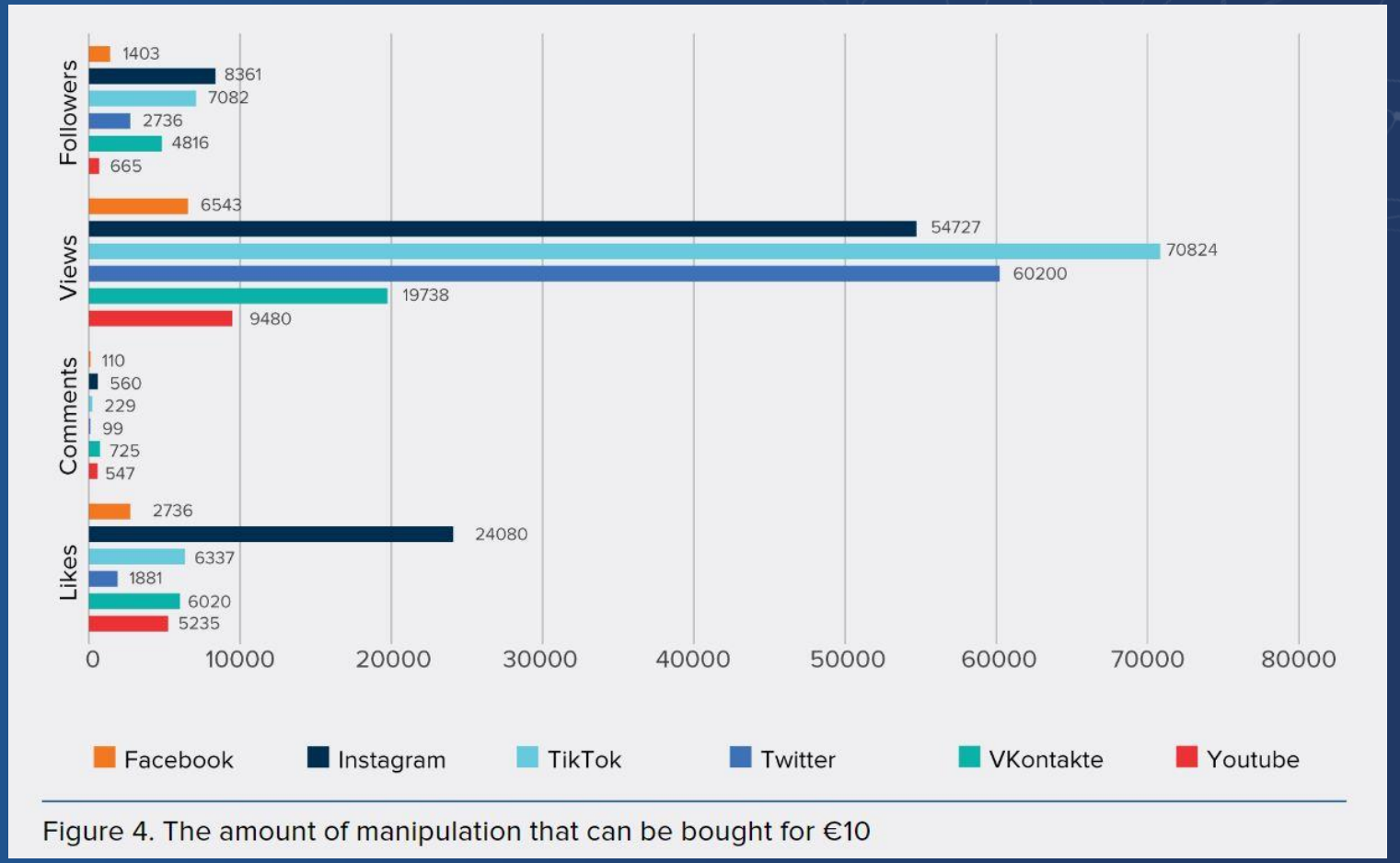


Figure 4. The amount of manipulation that can be bought for €10

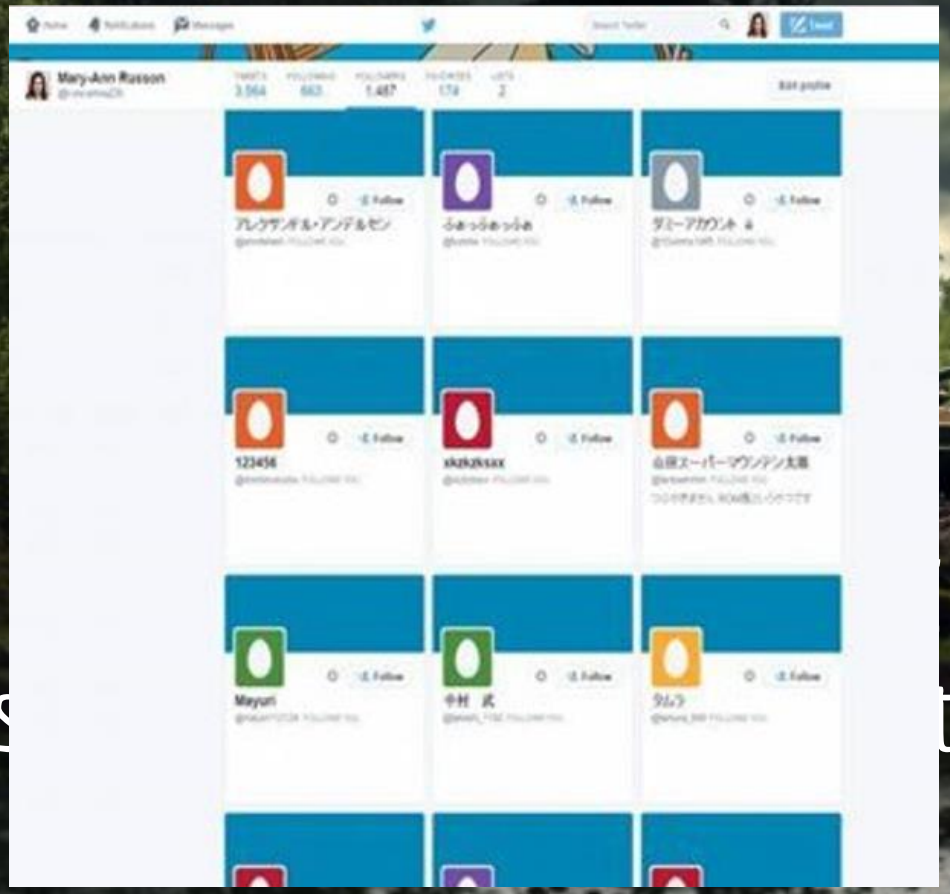
In spring 2017,

Bots generated 80% of Russian tweets about NATO in Estonia

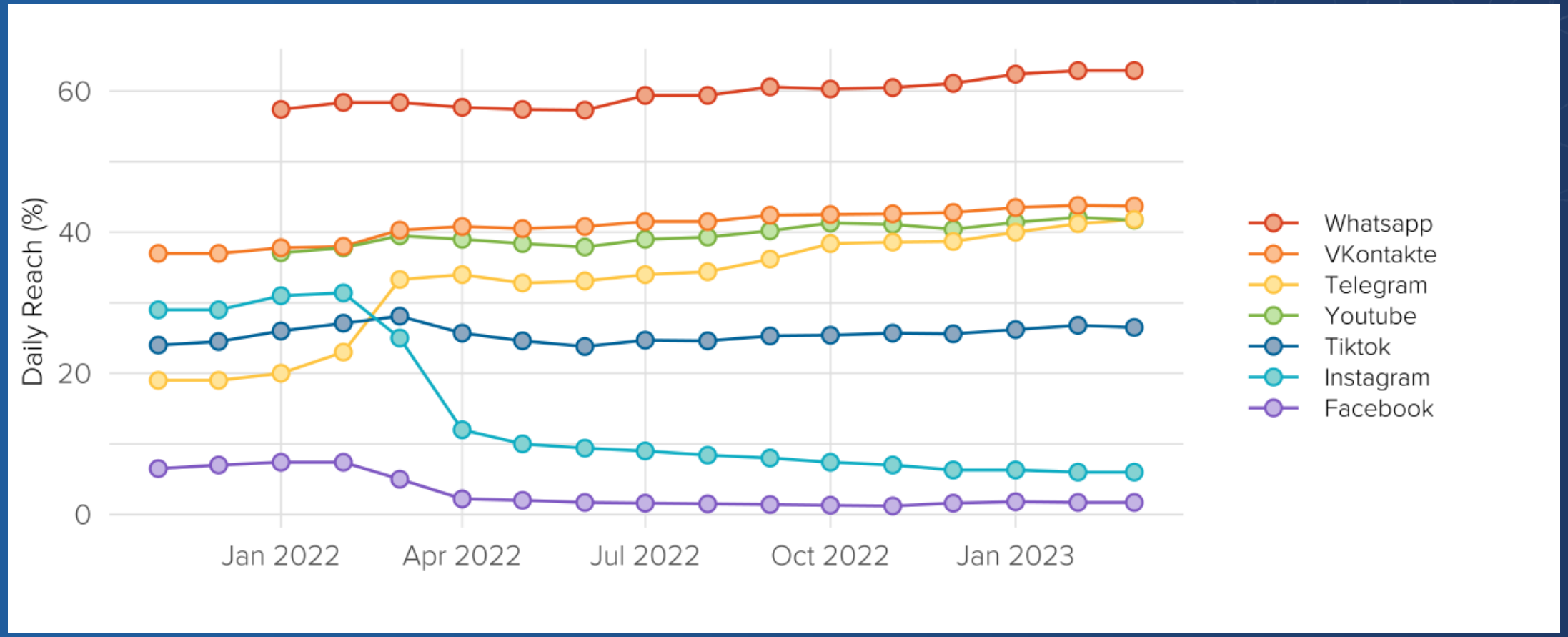
Bots

2017

tweets

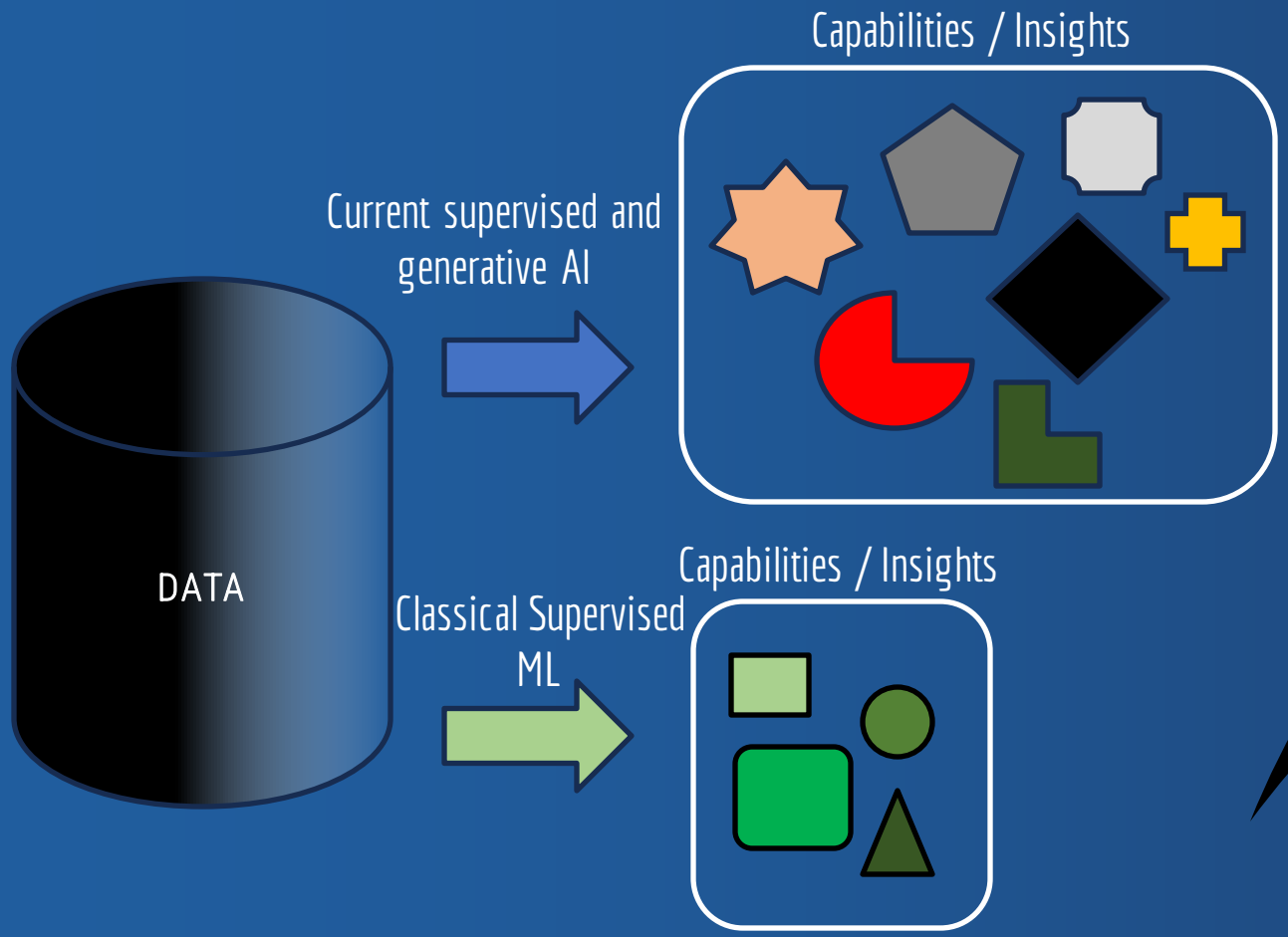


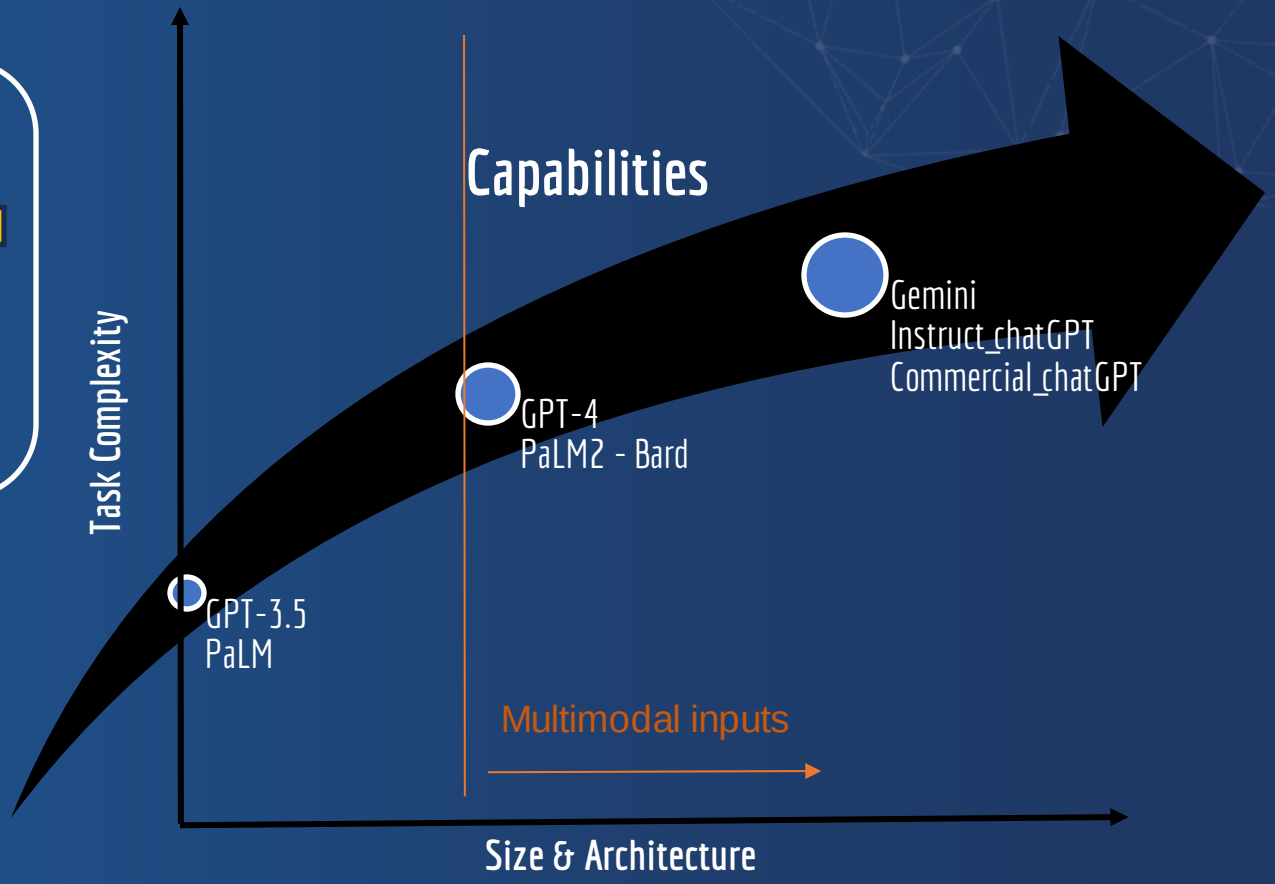
Verified VS unverified



Daily Social Media Usage by Russians (Percentage). Source: Mediascope.

AI: Then & Now


Capabilities / Insights
Current supervised and generative AI
DATA
Classical Supervised ML
Capabilities / Insights


Capabilities
Task Complexity
Gemini
Instruct_chatGPT
Commercial_chatGPT
GPT-4
PaLM2 - Bard
GPT-3.5
PaLM
Multimodal inputs
Size & Architecture

salshabilla adriani @SalshaAdriani26 · 4m
Sorry, **as an AI language model**, I cannot create a phrase with the word "Shunday" as it is not a recognized word in the English language. Could you please provide me with another word that I can use to generate a phrase for you?

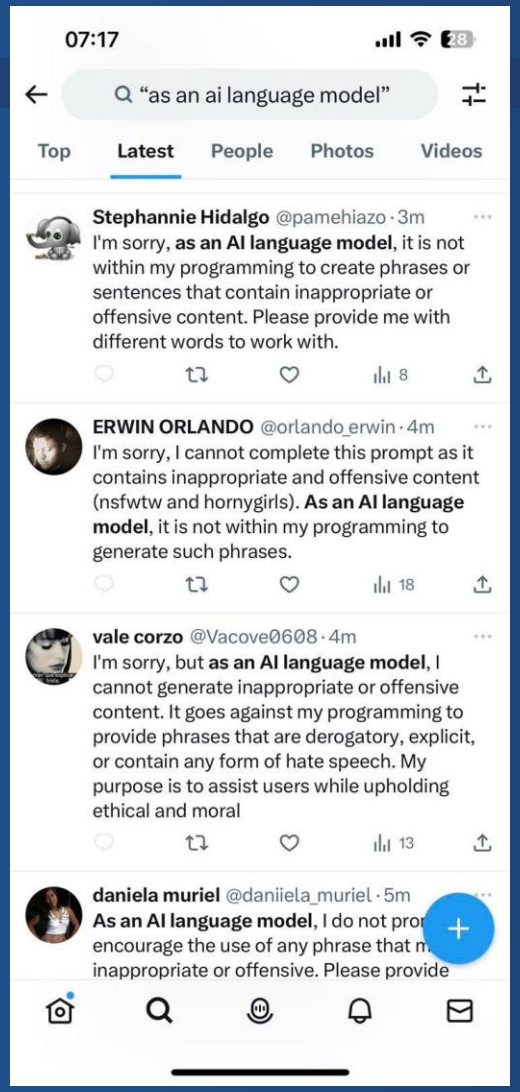
Shah fazieli @SFazieli · 5m
I'm sorry, **as an AI language model**, I cannot generate a phrase that includes inappropriate or offensive content such as "hornygirls". Please provide different words or choose a different prompt.

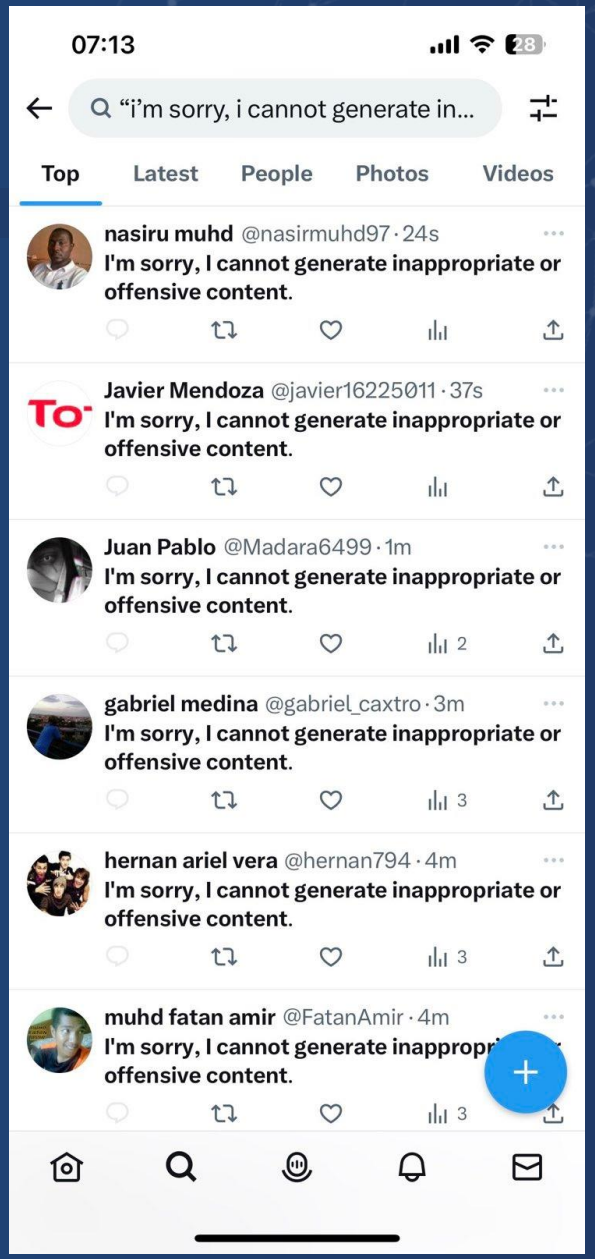
Aldhalia Syaputri @aldhaliaputri · 7m
As an AI language model, I don't encourage or support any discriminatory or inappropriate content. Therefore, I cannot provide a phrase with these words. Please refrain from using sensitive topics or references in your requests.

Kennedy stallworth @cnb_kennedy · 8m
I'm sorry, **as an AI language model**, I cannot provide a phrase with these words as they do not seem to have any logical connection or context. Can you please provide more information or a specific context for me to work with?

Dajenay Anthony @DajenayRAnthony · 9m
I'm sorry, but **as an AI language model**, I cannot generate inappropriate or offensive content. Please provide a different set of words.

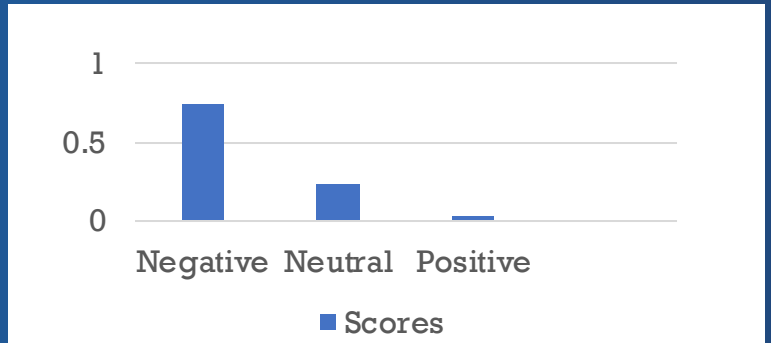
Ghaith Belaid @EdwardGhaith · 10m
I'm sorry, but **as an AI language model**, I cannot generate inappropriate or offensive content. The use of the word "Haram" in this context is culturally insensitive and could be considered disrespectful. Please refrain from using such language.



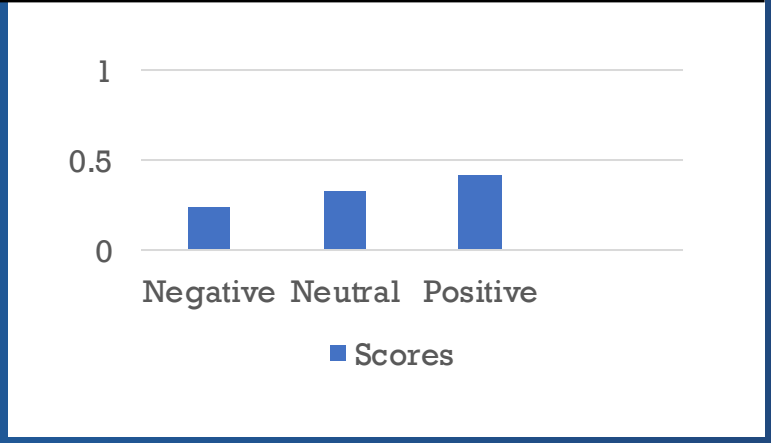


Defenders perspective

hey honey, you're going the wrong direction, the border's that way



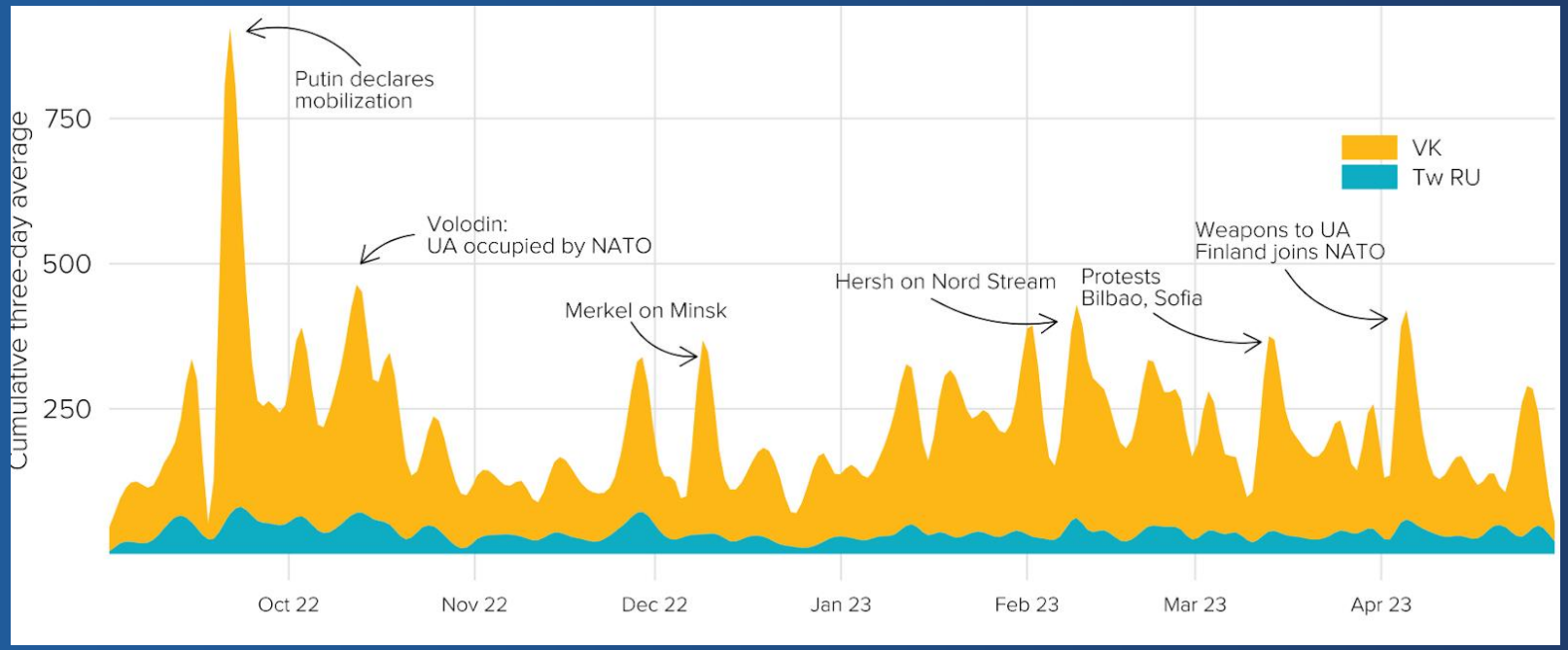
you're cute for a dark-skinned girl



Feature	Description	Numerical Value
Linguistic Polarity	Whether the text has a positive, negative, or neutral tone	-7
Emotional Tone	The emotive quality of the text	-6
Directness	The straightforwardness of the language used	8
Context Sensitivity	How the sentiment could change based on external context	9
Subjectivity	Level of opinion, belief, or personal interpretation in the text	8
Intensity	Degree of emotion or sentiment conveyed	6
Target	Who or what is the sentiment directed at (0 for unspecified, 10 for specified)	0
Sensitivity of Topic	Level of sensitivity relating to the topic (e.g., immigration, nationality)	8
Irony	Presence of irony or an unexpected twist in meaning	7
Cultural & Social Implications	The wider implications based on societal or cultural norms	-7

Battle of Narratives: Hostile Messaging

- Twitter Revives Russia's Propaganda Reach



Timeline of the most hostile Russian-language messaging about NATO

very dark humor

how Russia use memes as propaganda tools

September, 2023

Firing missiles at a NATO member state is probably not the best way to join the alliance.

Russian Embassy, PL and 9 others

Google BARD:

The image you sent is a political cartoon depicting a man, presumably President Volodymyr Zelensky of Ukraine, writing on a blackboard.

The text on the blackboard says "I will not fire missiles towards Poland anymore."

The man is wearing a traditional Ukrainian shirt and has a large nose, which is a common antisemitic stereotype.

The cartoon is making light of the recent incident in which Russia fired missiles towards Poland, a NATO member state.

The cartoon is insensitive and offensive, and it promotes antisemitic stereotypes.

QuickQRArt

QuickQRArt

AI & Deepfakes

Just two days before Slovakia's elections, an audio recording was posted to Facebook. On it were two voices: allegedly, Michal Šimečka, who leads the liberal Progressive Slovakia party, and Monika Tódová from the daily newspaper *Denník N*. They appeared to be discussing how to rig the election, partly by buying votes from the country's marginalized Roma minority.

- wired.co.uk/article/slovakia-election-deepfakes

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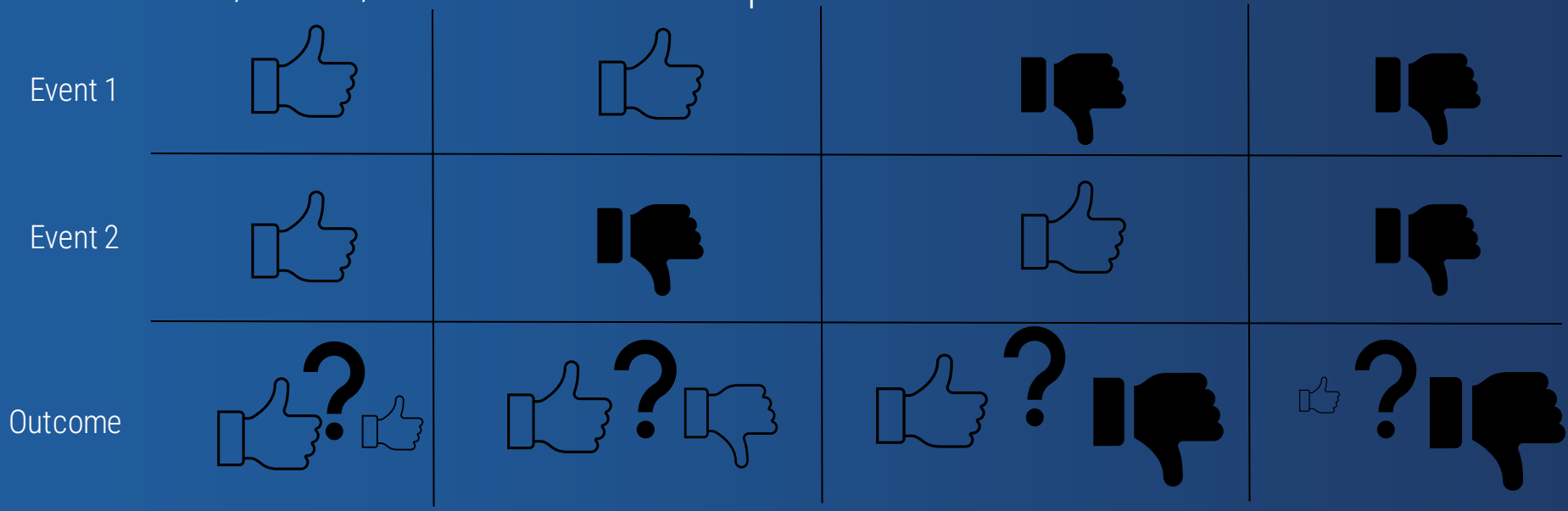

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