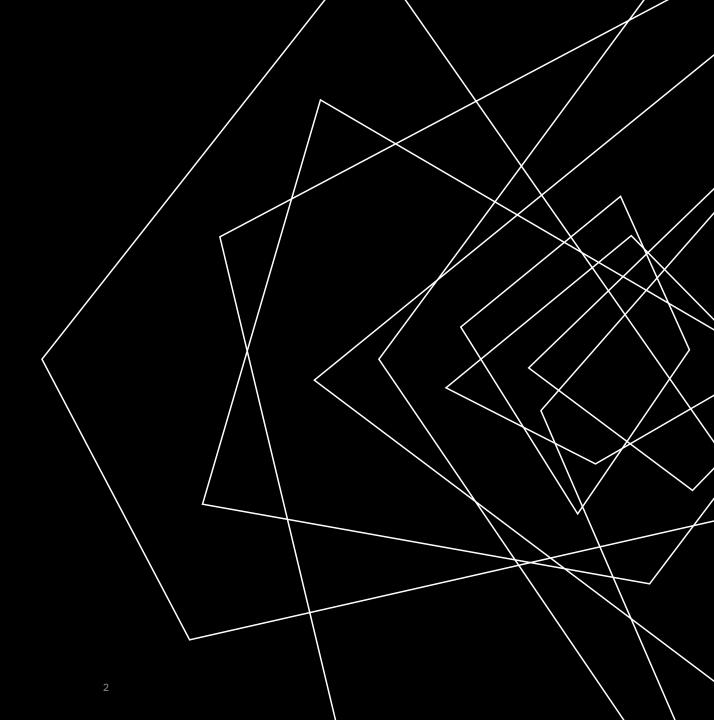


Konstantin Sulimenko

ABOUT THE RESEARCH

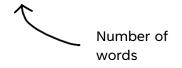
We analyze 5905 mainstream, political-tabloid and antisystem articles using an additive multi-dimensional analysis to establish which strategies are used by antiestablishment media for persuasion of their audience.



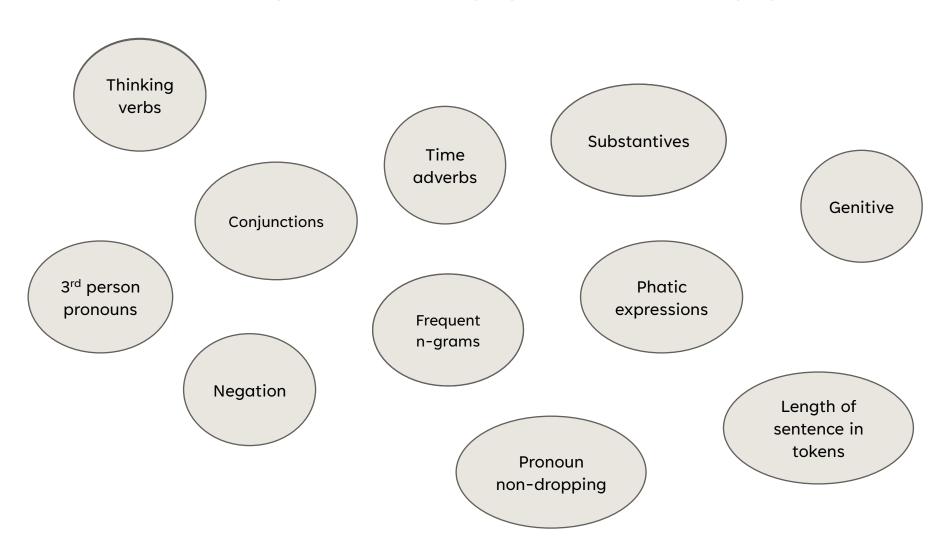
THEORY We dive into the theory of the multidimensional analysis and anti-system media language research and its gaps. **METHODS** We discuss the hypothesis and methods used in the research. **RESULTS** We look at the overall data for each dimension and media category (mainstream, poltabloid, anti-system) **DISCUSSION** We infer two fundamental persuasion strategies that are widely used by anti-establishment authors.

MULTIDIMENSIONAL ANALYSIS

	TV interviews	221 812		
Spoken				
	Prepared speeches	213 201		
Web	Internet discussions	197 948		
	•••			
	Wikipedia	201 691		
Written	Fantasy novels	189 432		
	Nature science literature	206 716		
	•••			
	Hobby magazines	207 499		



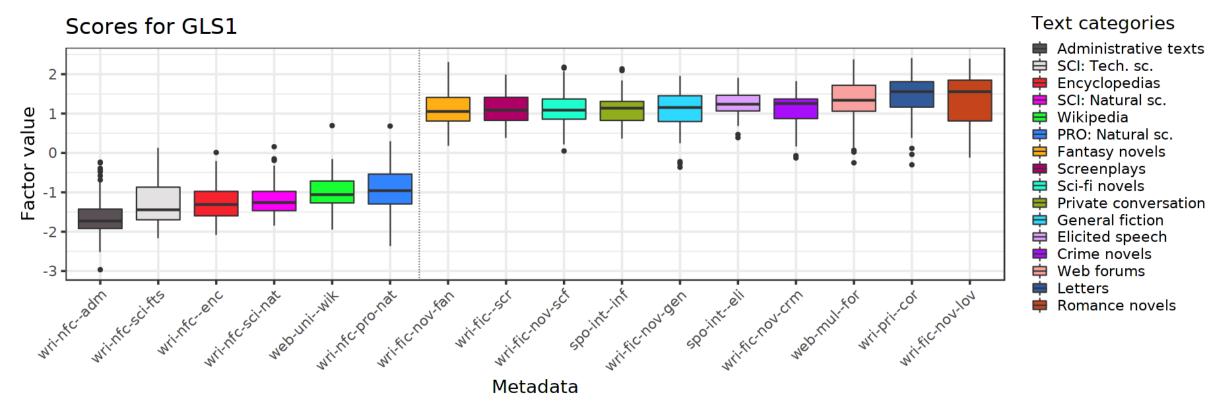
MULTIDIMENSIONAL ANALYSIS



D1: STATIC (-) VS. DYNAMIC (+)

Substantive attributes, adjectives, abstract words, genitive...

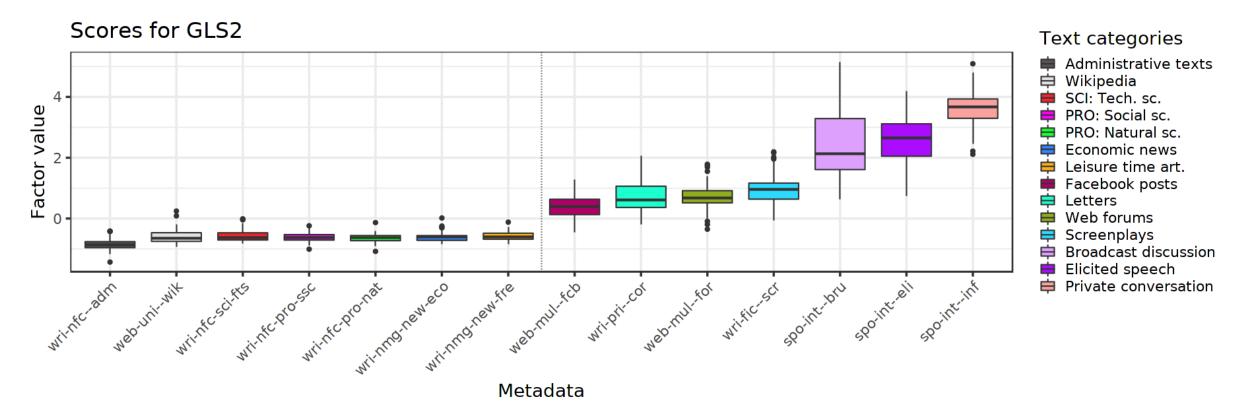
Verbs, past tense, 3rd person pronouns, negation, function words...



D2: PREPARED (-) VS. SPONTANEOUS (+)

Cases associated with prepositions, unigrams, nominatives+accusatives...

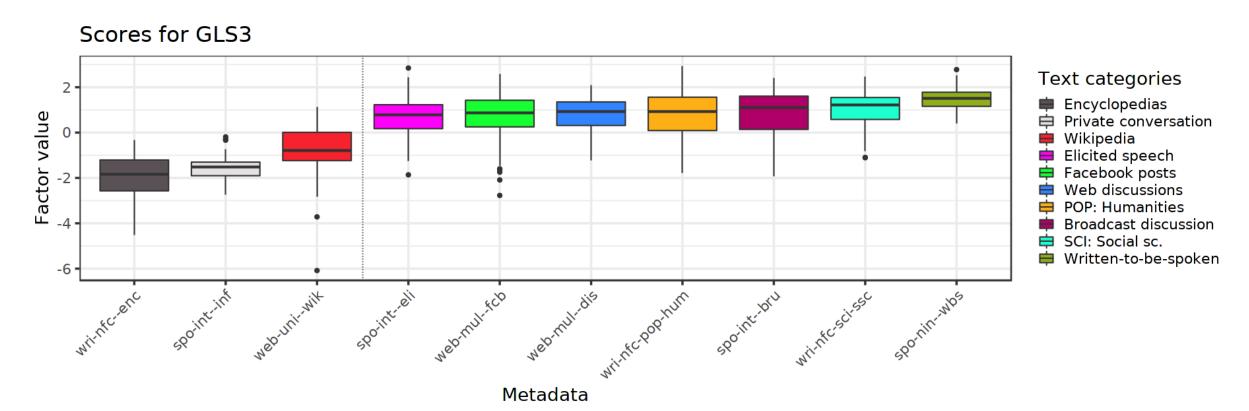
Phatic expressions, fillers, interjections, demonstrative pronouns...



D3: LOWER (-) VS. HIGHER (+) LEVEL OF COHESION



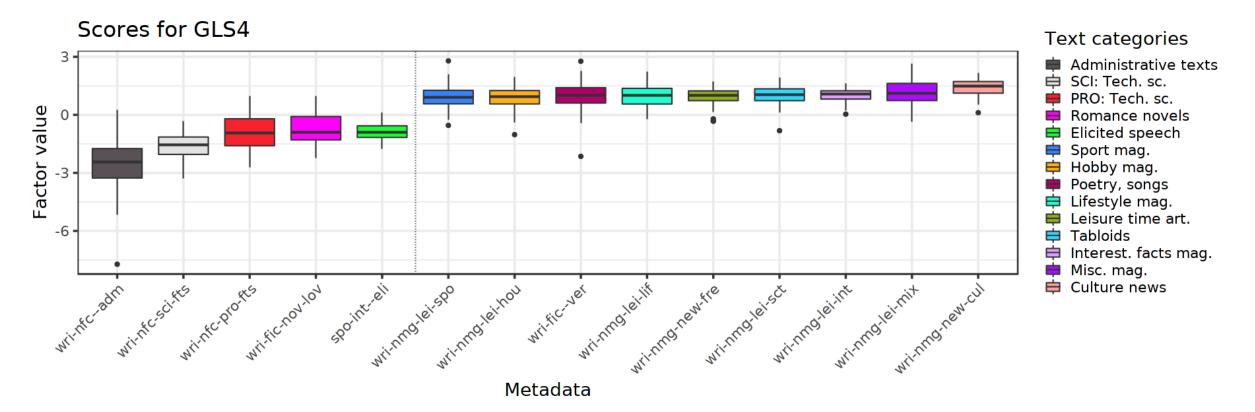
Correlatives, relative clauses, possessive pronouns...



D4: MONOTHEMATIC (-) VS. POLYTHEMATIC (+)

Thematic concentration, Yule's coefficient, verbal substantives...

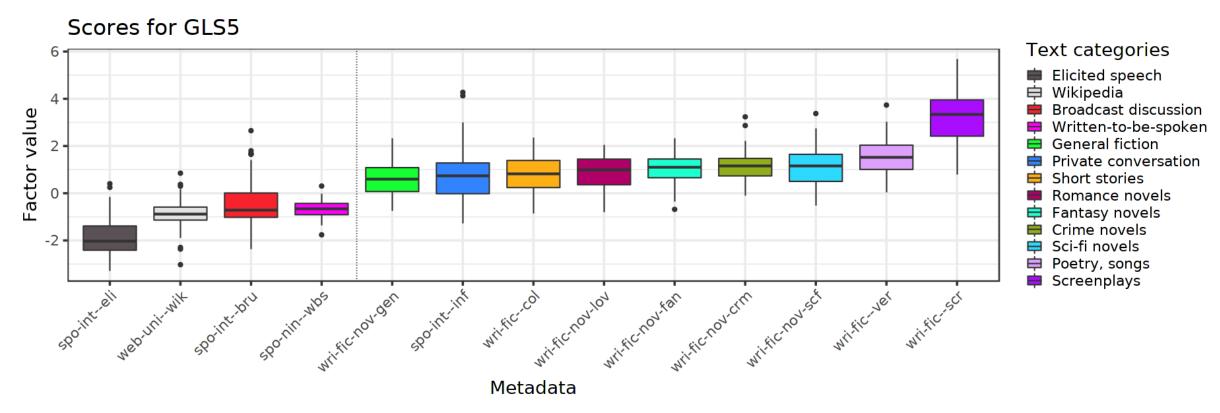
Bigrams, unigrams, toponyms, inventory of pronouns & prepositions...



D5: LOWER (-) VS. HIGHER (+) AMOUNT OF EXPLICIT ADDRESSEE CODING

Average length of sentence in tokens

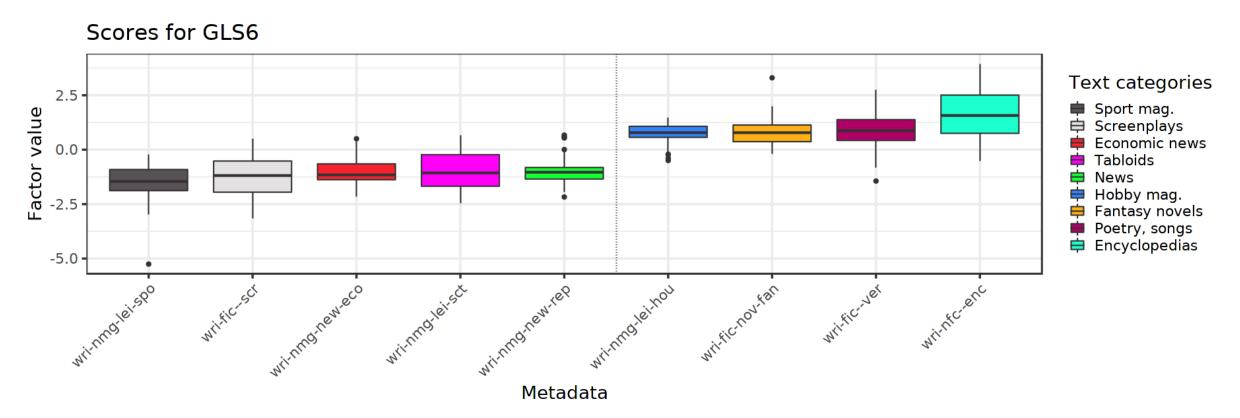
Questions, 2nd person, future tense, exclamation marks, imperative...



D6: PARTICULAR (-) VS. GENERAL (+)

Toponyms, names, time expressions, numerals, clusters of substantives

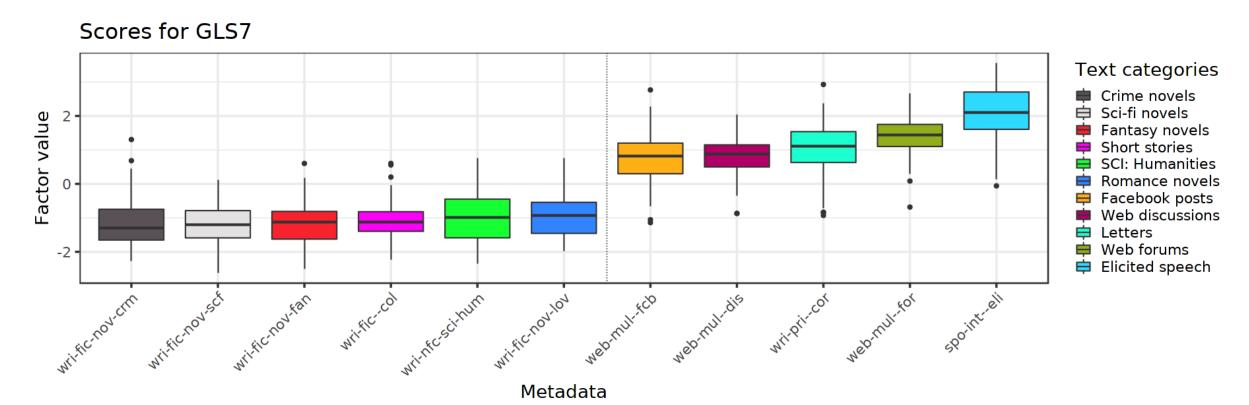
Coordinations, semantically bleached adjectives



D7: RETROSPECTIVE (-) VS. PROSPECTIVE (+)

Past tense, 3rd person pronouns, possessive adjectives & pronouns...

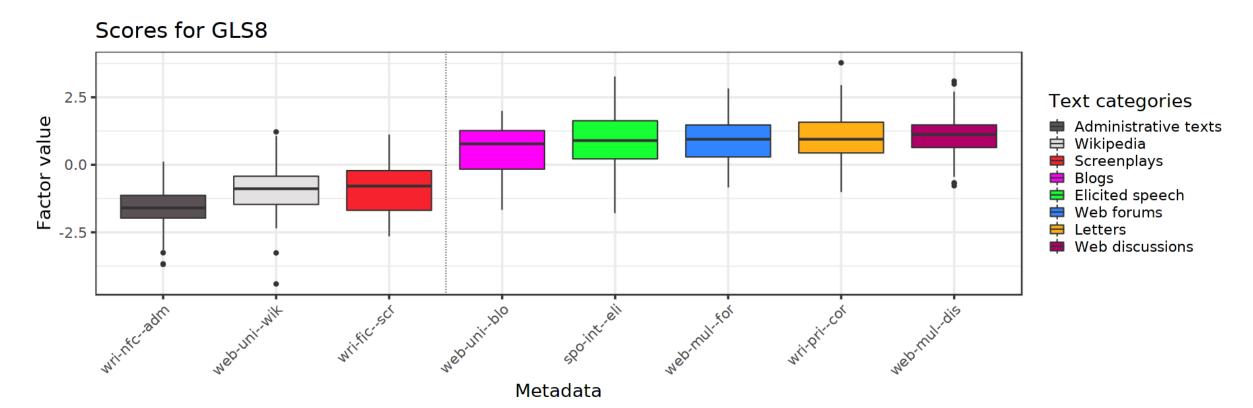
Future tense, present tense, imperative, 2nd person in verbs...



D8: FACTUAL (-) VS. ATTITUDINAL (+)

Coordination

Downtoners, amplifiers, restrictors, adverbs, modality...



ANTI-ESTABLISHMENT COMMUNICATION

FAKE NEWS

Fabricated information (Lazer et al.) or media production that involves inaccurateness, bias, misleadingness, or fabrication (Grieve and Woodfield, 2023)



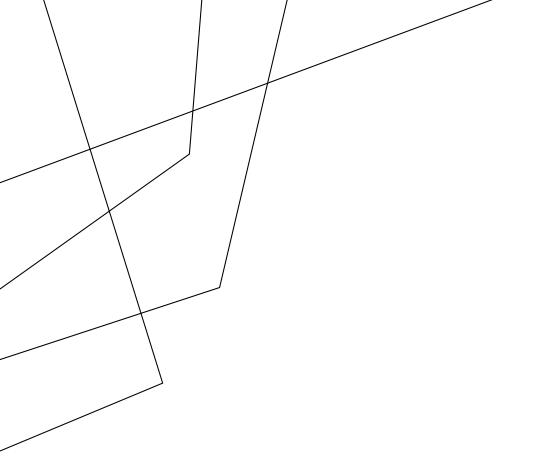
DISINFORMATION

Deliberate falsehoods (Carsten Stahl, 2006; as opposed to misinformation)



ANTI-SYSTEM

Extratextually defined category (Šlerka, 2018). Some characteristic features include opaque ownership structure, anonymous authors and editorial team, lack of proper citation of sources and frequent dissemination of propaganda, conspiracy theories or disinformation (Cvrček and Fidler, 2024)



ANTI-SYSTEM RESEARCH

Pérez Rosas et al. (2018), Kasseropoulos and Tjortjis (2021)...

Automatic detection of fake news based on machine learning, inspecting a set of linguistic features.

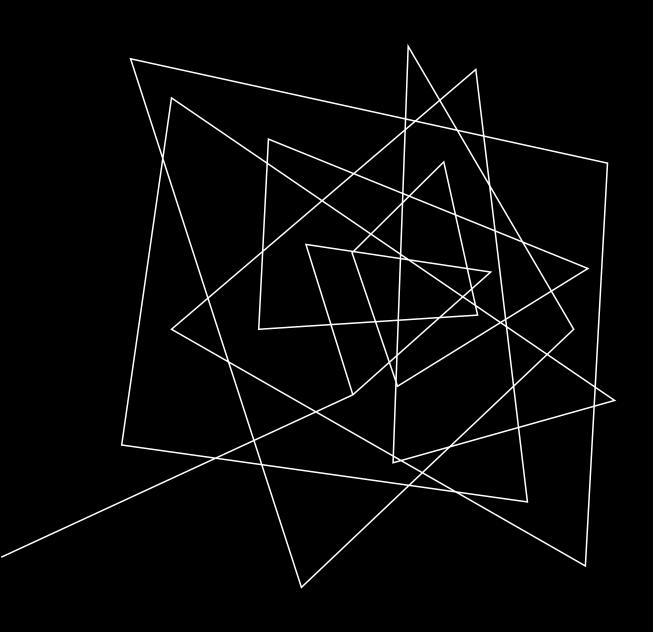
Fidler and Cvrček (2018), Cvrček and Fidler (2019), Boberg et al. (2020)

Anti-system content analysis based on keyword (keymorph) analysis or topic modelling.

Grieve and Woodfield (2023)

Formal analysis of fake news, evaluating the distribution of linguistic features in genuine vs. deceptive articles.

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HYPOTHESIS

There are significant
differences in structure
and style of anti-system
texts compared to general
(mainstream) journalism,
which makes the existence
of a unique anti-system
media register possible.

CORPUS

- 5905 texts, ONLINE2_ARCHIVE (Cvrček, Jeziorský and Henyš, 2022)
- January 2022
- Mainstream media, anti-system media, (political tabloids)
- Wilcox test among categories
- Calculated factor scores, then recalculated "z-scores"

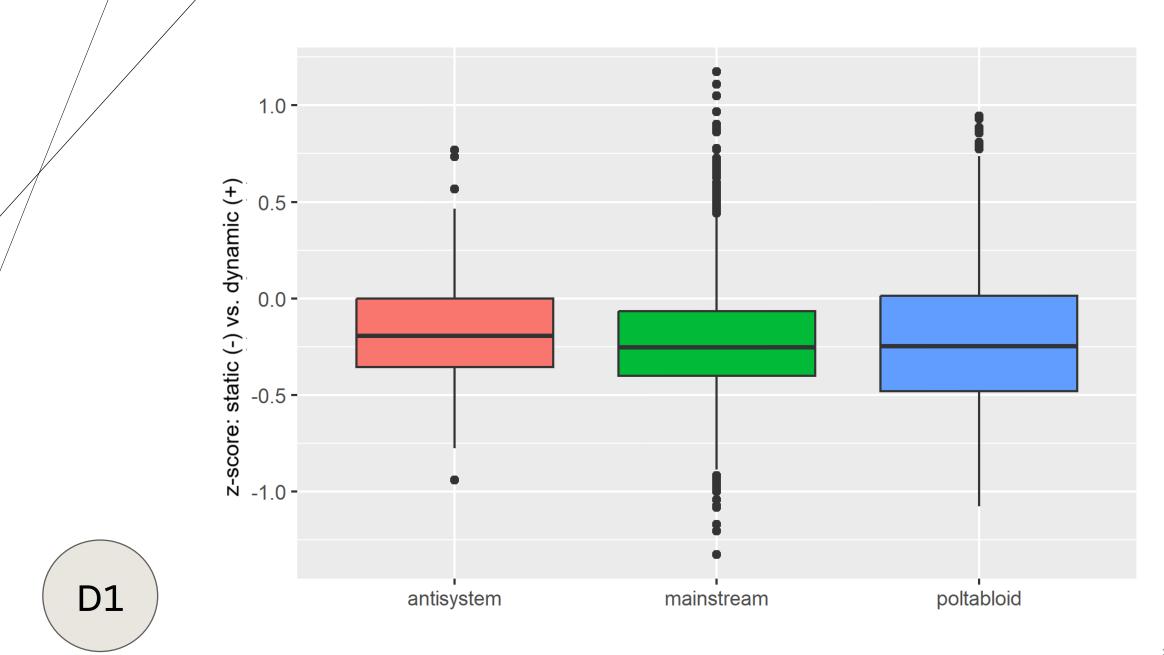
$$z' = \frac{x - Me(Koditex)}{IQR(Koditex)}$$

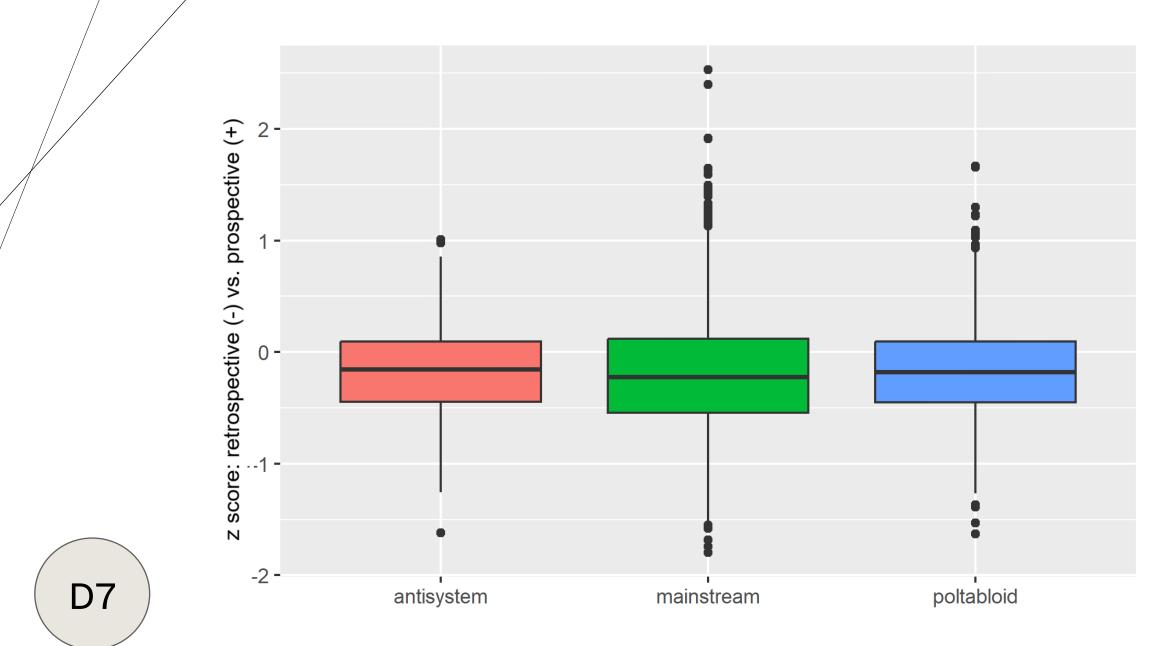
CORPUS

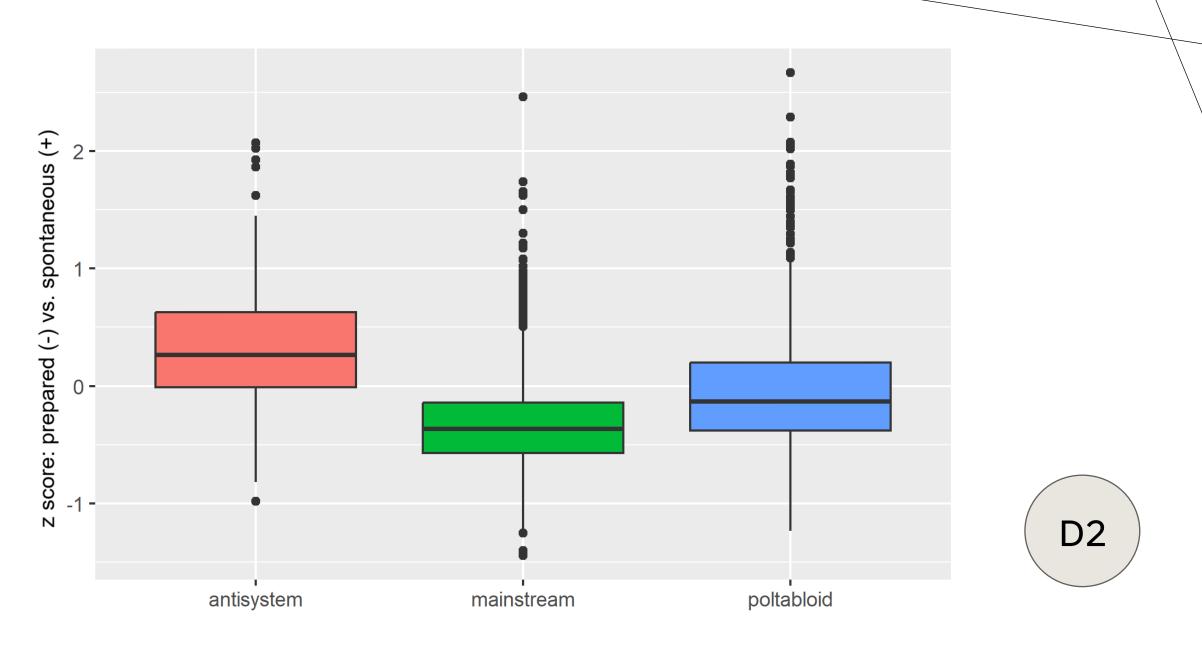
Category code	Number of texts per category	Medium	Medium code	Number of texts per medium	
MAIN		Seznam Zprávy	SEZ	910	
	4057	Novinky	NOV	562	
		iDnes	IDN	616	
		CNN Prima NEWS	CNN	677	
		Česká televize	CTE	702	
		iRozhlas	IRO	590	
POLT	1640	Parlamentní listy	PLI	1184	
		Život v Česku	ZVC	191	
		Regionální novinky	REN	21	
		Národní noviny	NAN	2	
		Události extra	UEX	62	
		Infokurýr	INF	181	
ANTI	208	Czech Free Press	CFP	72	
		Rukojmí	RUK	27	
		Tadesco	TAD	31	
		Protiproud	PRP	33	
		Aeronet	AER	16	
		Islamizace.cz (formerly Eurabia)	EUR	29	
TOTAL	5905				

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antisystem-eurabia.cz_2022-01-20_1+	-0.8016	-0.22459	0.824505	-0.5667	1.960796	-0.73627	-0.02566	-2.01927
antisystem-eurabia.cz_2022-01-21_1+	-0.64126	0.116166	0.22827	-1.19656	2.048096	-0.89562	-0.18131	-2.7523
antisystem-eurabia.cz_2022-01-23_1+	-0.6602	0.024108	0.912433	-0.07529	1.345013	-1.10205	0.025219	-2.12368
antisystem-eurabia.cz_2022-01-24_1	-0.40193	-0.24391	0.978112	0.59316	0.646114	0.222208	-0.15223	0.550617
antisystem-eurabia.cz_2022-01-24_2+	-0.66219	-0.04531	0.778537	-0.54161	2.130009	-0.73038	0.207542	-1.98985
antisystem-eurabia.cz_2022-01-24_4+	-0.58409	0.074683	0.147864	-1.09987	1.982081	-1.19268	0.00467	-1.91091
antisystem-eurabia.cz_2022-01-30_1+	-0.47161	-0.10275	0.582609	-0.55423	1.643607	-0.50398	-0.12967	-1.72626
antisystem-eurabia.cz_2022-01-31_1+	-0.7521	-0.37124	0.322853	0.23498	0.8415	-0.91718	-0.05746	-1.49152
antisystem-protiproud.cz_2022-01-01_1	-0.28956	-0.15617	2.261246	0.009344	-0.08767	-0.07582	0.498061	0.368211
antisystem-protiproud.cz_2022-01-02_1+	-0.60619	-0.12564	-0.25024	1.174565	0.244589	0.719641	-0.87943	1.692361
antisystem-protiproud.cz_2022-01-03_1	0.074025	-0.0105	1.342909	-0.16888	0.372972	-0.83624	-0.86269	0.719201
antisystem-protiproud.cz_2022-01-03_2	-0.68871	-0.46101	0.975253	-0.35092	-0.58987	-0.45188	0.28855	-0.0237
antisystem-protiproud.cz_2022-01-05_1+	-0.73801	-0.6067	0.444605	0.252245	-0.26926	-1.21394	-0.59795	-0.13487
antisystem-protiproud.cz_2022-01-06_1	-0.40819	-0.46005	0.929855	0.178094	-0.12948	-1.28089	-0.16379	-0.45931
antisystem-protiproud.cz_2022-01-06_2	-0.38522	-0.20022	-0.47362	-0.14887	-1.29723	-2.20349	0.176994	1.569395
antisystem-protiproud.cz_2022-01-07_1+	-0.12194	0.182954	0.038345	0.70542	0.311187	-0.26327	-0.75957	-0.15387
antisystem-protiproud.cz_2022-01-08_1	-1.29145	-0.12842	0.896762	1.300682	0.556072	0.818506	-0.89275	-0.27182
antisystem-protiproud.cz_2022-01-08_2	-0.00653	-0.54745	0.915753	0.170291	-0.27445	-0.27368	-0.37003	-0.30999
antisystem-protiproud.cz_2022-01-10_1	-0.83096	-0.41204	0.48207	0.991441	-0.61559	-0.38378	-1.03467	-0.86467
antisystem-protiproud.cz_2022-01-10_2	0.111428	-0.14026	0.666438	0.230988	0.728495	0.244747	-0.36836	-1.37873



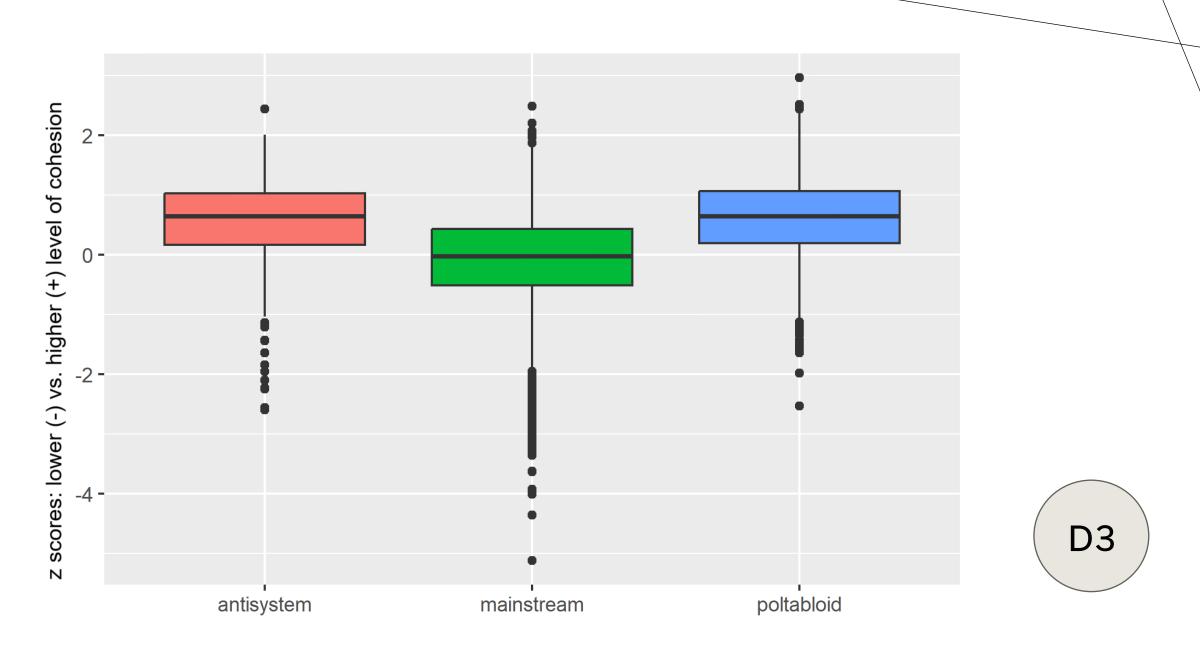




DIMENSION 2: COLLOQUIALISM AT PLAY

So Černochová [the minister of defence] - you [informal] have the army from Afghanistan back home, how about starting to protect substations [informal]? Not a chance, right? Because you know that Russia actually doesn't want to attack. You are just trying to provoke it and hoping that the war will stay somewhere beyond the Dnipro. You can't imagine at all that Putin could do it differently.

ANTI - AER



DIMENSION 3: CONTEXTUALIZING THE FACTS

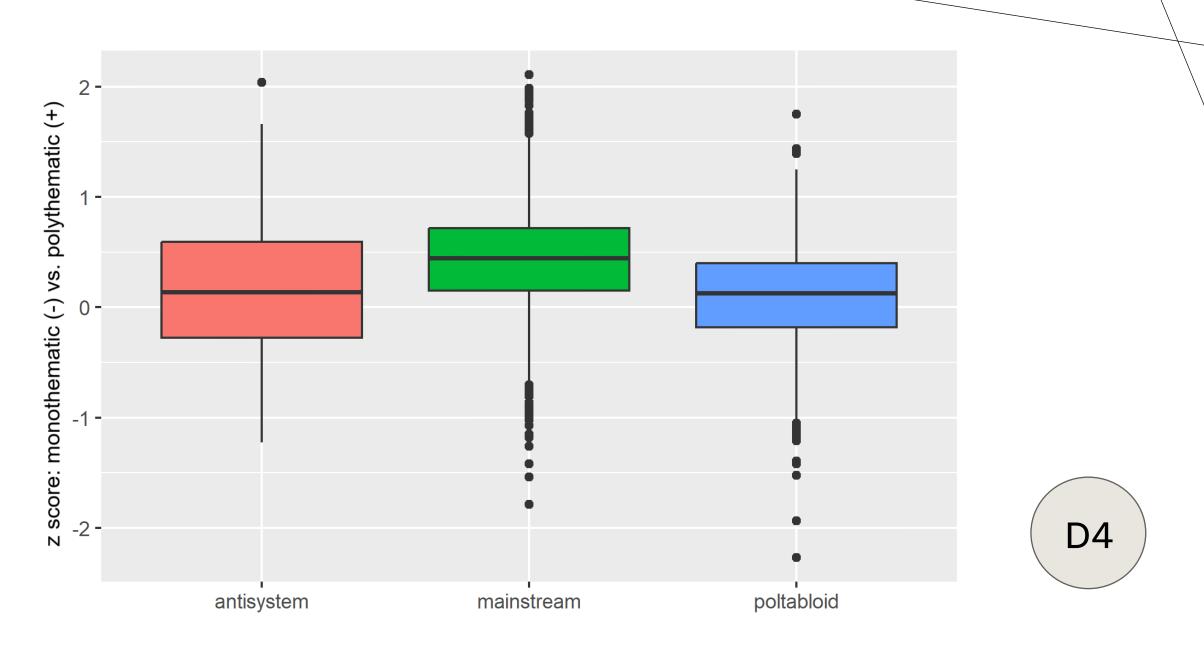
The Fiala government sought to blunt the edge of the ever-growing protests, while not an insignificant role in this was also played by the fact that a significant portion of the vaccinated public is already showing solidarity with the unyielding. Despite the continuation of an unprecedented media massage, which has lasted for three years now, the majority of the Czech public is beginning to realize that they are the subject of incredible manipulation. Only an absolute minority consists of those who "believed" and march under the injection guillotine with revolutionary songs on their lips (not to mention those who offer even their children to the Moloch). Among the vaccinated, however, the majority are those who were forced by threats (loss of employment, etc.) or better say by so-called "benefits" (travel, pubs, culture, etc.).

ANTI - AER

DIMENSION 3: CONTEXTUALIZING THE FACTS

Once again, last year's Prague Spring. The tenure of American conductor Dennis Russell Davies with the Brno Philharmonic will be written in golden letters into the orchestra's history. The first meeting between the future chief conductor, an advocate of new and contemporary classical music, and "his" orchestra took place in 2017, precisely at the Prague Spring. Last year's edition offered another unique evening directed by this collaboration.

MAIN - CTE



DIMENSION 4: SIMPLE AND PREDICTABLE READING

"I originally planned to speak closer to the end, to listen to all the questions and remarks first. I've been sitting here the whole time, only stepping out when absolutely necessary, and I've taken about eight pages of notes. But since the former Minister of Finance called on me, I'll respond to some of the questions now," Síkela began his speech shortly before 11:30 p.m.

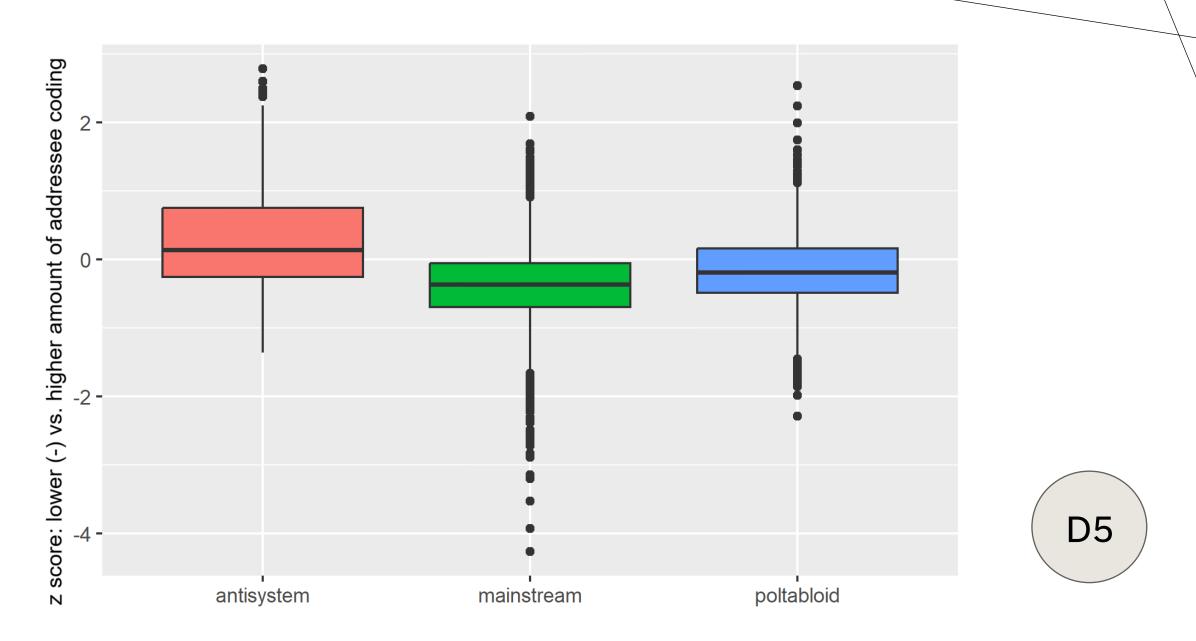
Paragraph from the beginning

[...]

"You didn't answer our question, but you managed to insult us instead—commenting on whether we clap too little, too much, or too often—and giving us a lecture on when certain financial instruments were created. If that's how we're going to do things here, this could go on for a very long time. Since it's your first day here, I thought you'd at least manage to keep some sense of decency for the first day," Nacher added.

Last paragraph

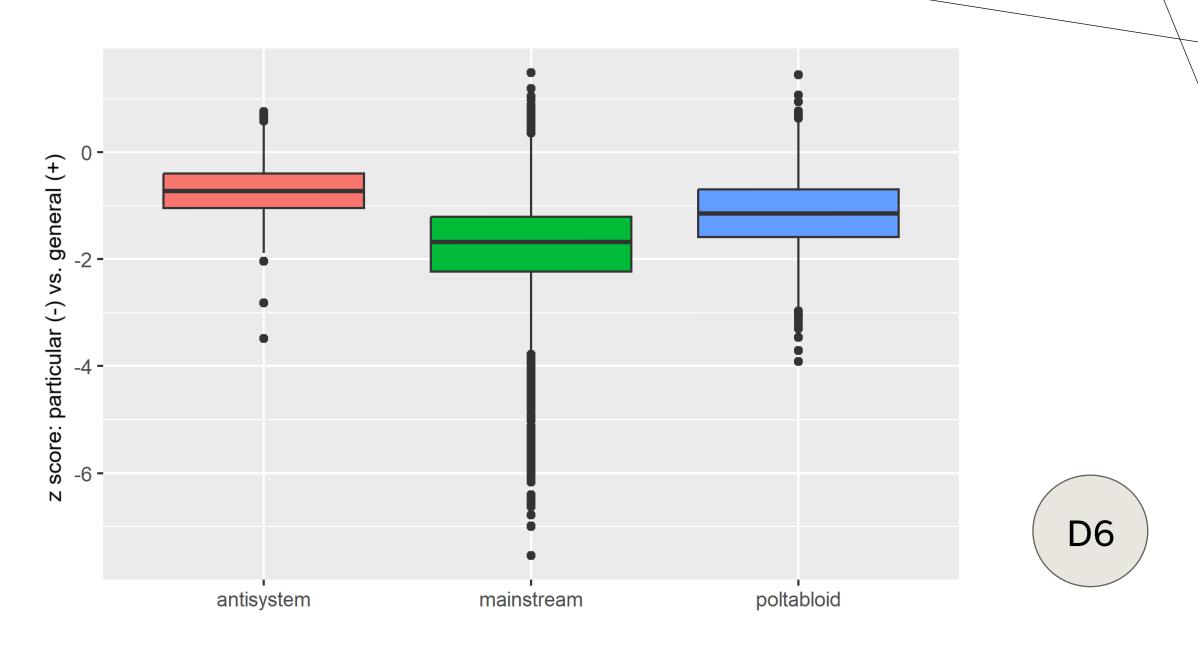
POLT - PLI



DIMENSION 5: BUILDING RELATIONSHIPS WITH READERS

So in two and a half months, a bill for 291 kW. Well, you really went wild, Přemek. So how much does that make? Hmm... Don't they have a mistake in the decimal point? Just for fun, I'll throw in a proportion and ask it: How much did a megawatt of electricity cost me all-in, soup to nuts, in the DPI mode? And the proportion says: "Just shy of 12 thousand, you blockhead."

ANTI - CFP



DIMENSION 6: REMAINING UNSPECIFIC

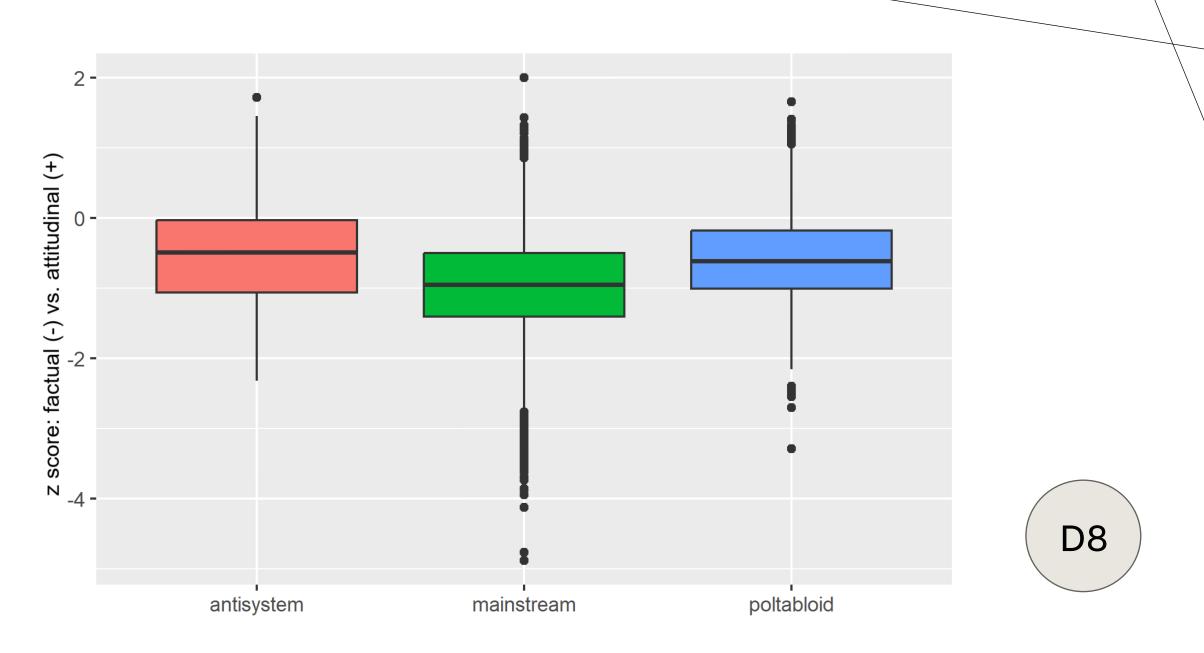
Its form was confirmed by <u>Poruba</u>, who defeated <u>Kolín 3-0</u>. They scored for the <u>fifth time</u> in a row and won <u>four</u> of those. <u>Jakub Hajný</u> put the <u>Ostravians</u> ahead in the <u>3rd minute</u>, <u>Martin Réway</u> increased the lead <u>midway</u> through the <u>first period</u>, and the final word was had by <u>Finnish Markus Korkiakoski</u> after <u>32 seconds</u> of the <u>third period</u>. Goalie <u>Adam Brízgala</u> kept his <u>second</u> clean sheet of the season with <u>31</u> saves. <u>The Kozlové</u> failed to score after a streak of <u>six</u> wins, going without points for the <u>third time</u> in a row.

MAIN - CTE

DIMENSION 6: REMAINING UNSPECIFIC

By vetoing the enforcement of the totalitarian <u>COVID</u> norm, <u>SPD</u> at least managed to delay it, which, among other things, allowed the public to learn more about it. The <u>five-coalitioners</u> naturally want to prevent public debate about a regulation that aims to hand the government heavy chains to strangle the last remnants of civil liberties. This is important also because even many mainstream journalists, lawyers, and academics are now awkwardly shrugging their shoulders over the pandemic law, despite otherwise uncritically supporting the ruling <u>Brussels</u> elites.

ANTI - PRP



DIMENSION 8: COVERT ATTITUDES

Whoever supports Israel is, and must automatically be, in favor of Moscow and the Kremlin. Why? Because of the Russian Jewish Congress and its ties to Israel. Anyone with basic sense will understand this very quickly, though for some, it takes a very long time. Protecting Israel against the EU and the globalists means protecting Halacha from the House of Zion. Thus, attacking Orbán means attacking Israel. Pekarová is therefore pushing a globalist intifada not only against Orbán and, by extension, Russia, but primarily against Israel. And this will not be tolerated for long. Not in Prague under Maharal.

ANTI - AER

DIMENSION 8: COVERT ATTITUDES

The state, <u>it is said</u>, <u>must</u> be accountable for the quality of education certified by a high school diploma. <u>It seems</u> that it is accountable <u>mainly</u> to itself. And <u>moreover</u> no one <u>really</u> knows for what <u>exactly</u>. The ongoing inflation of diplomas and academic degrees has been <u>namely</u> caused <u>primarily</u> by the formal requirements imposed on state employees.

MAIN - SEZ

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COLLOQUIALISM & FRIENDLINESS

Direct contact is made with the reader. We claim that this is done to build **closer and warmer** relationship with the reader.

The informal style is quantitatively **close to web forums or facebook posts**. This might be **more approachable** for many.

Subsequently, **more comprehensible** (i.e. less lexically rich, with more predictable structure etc.) texts occur on the anti-system websites.



VAGUENESS & REFRAMING

Very **little particular facts** are presented in anti-system texts. General entities are used instead.

Strong attention is given to **reframing and interrelating** widely known facts (using many conjunctions, correlatives, relative clauses etc.).

Opinions and attitudes are often **hidden** and linguistically portrayed as facts.



THANK YOU!

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