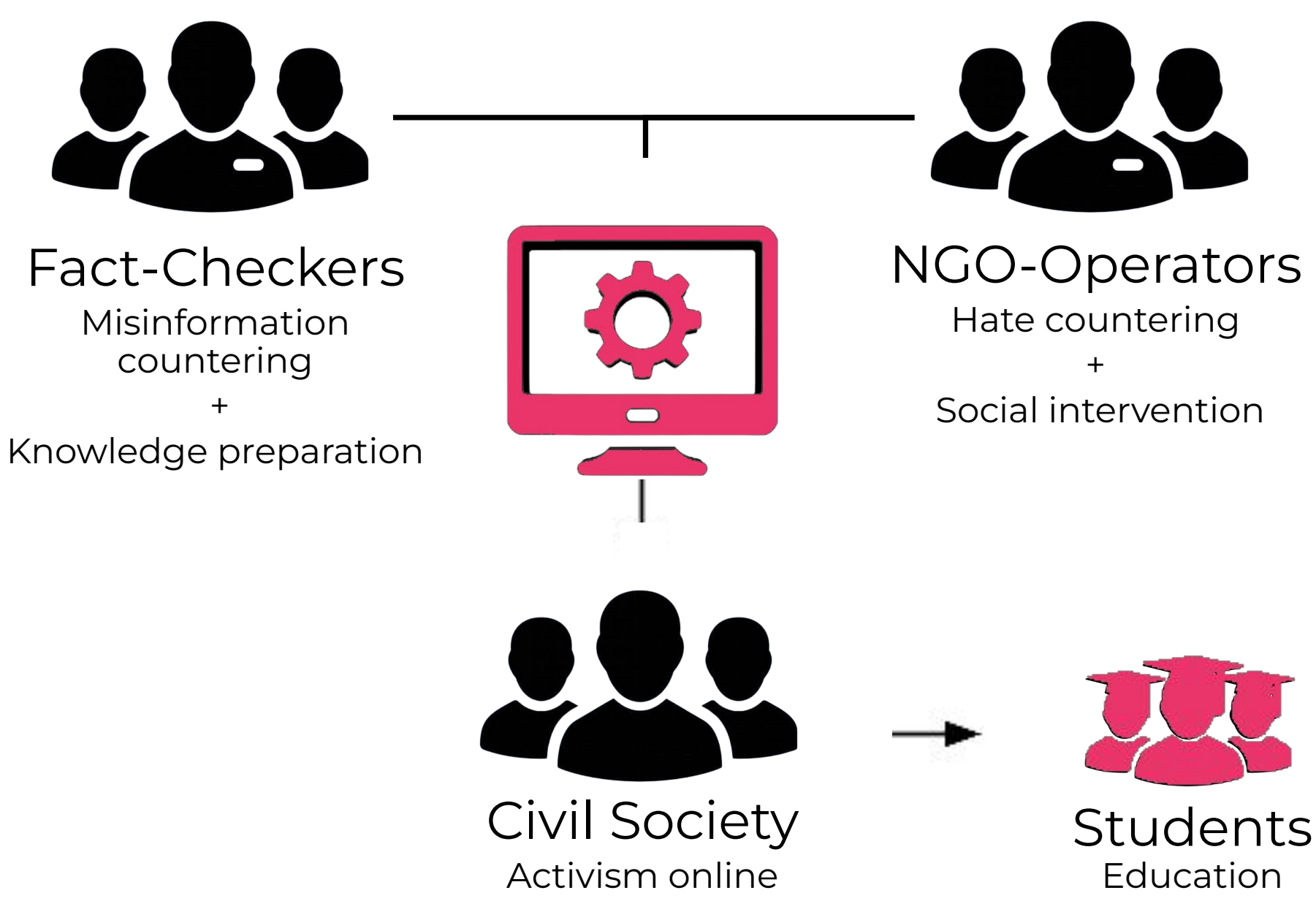


Hatedemics



Objective

Problem

Traditional social media **data access is restricted**, hindering research on disinformation and hate speech.

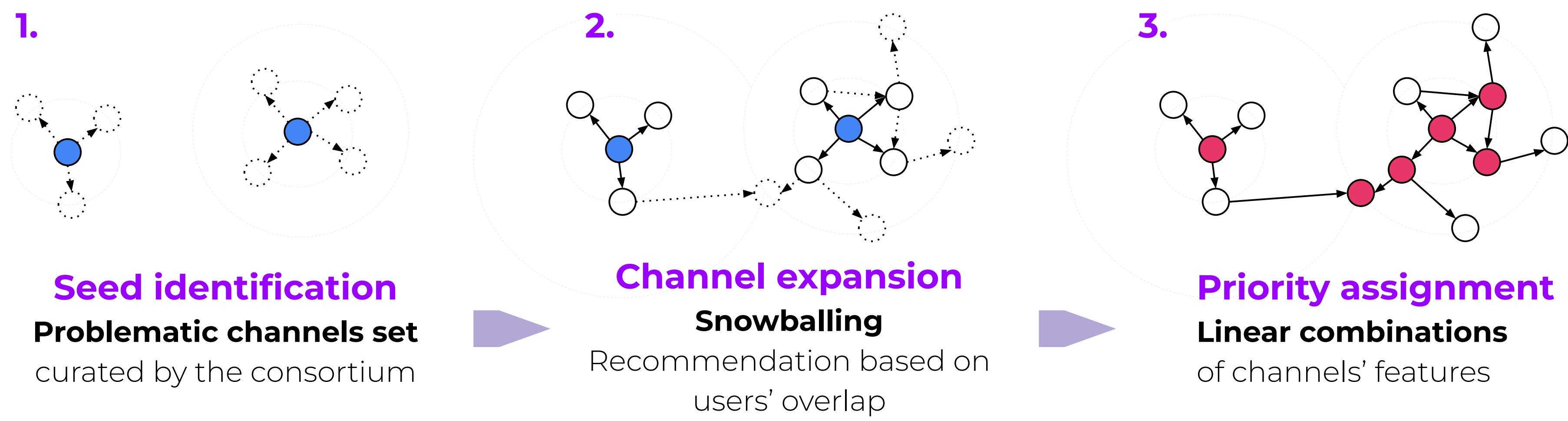
Challenge

Telegram's fragmented structure and lack of keyword search make data collection difficult.

Solution

We propose a systematic, task-driven **strategy to effectively collect data** from problematic Telegram channels.

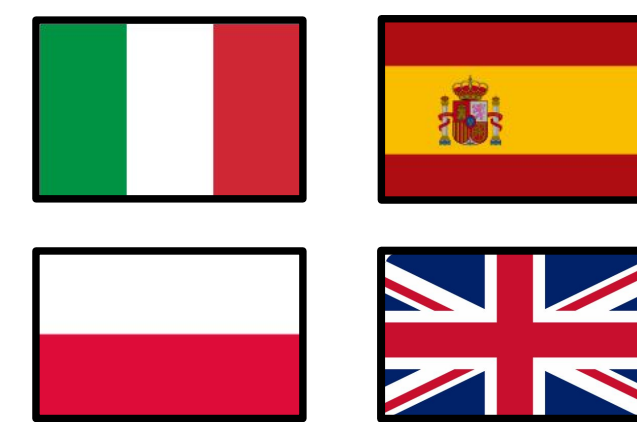
Collection strategy



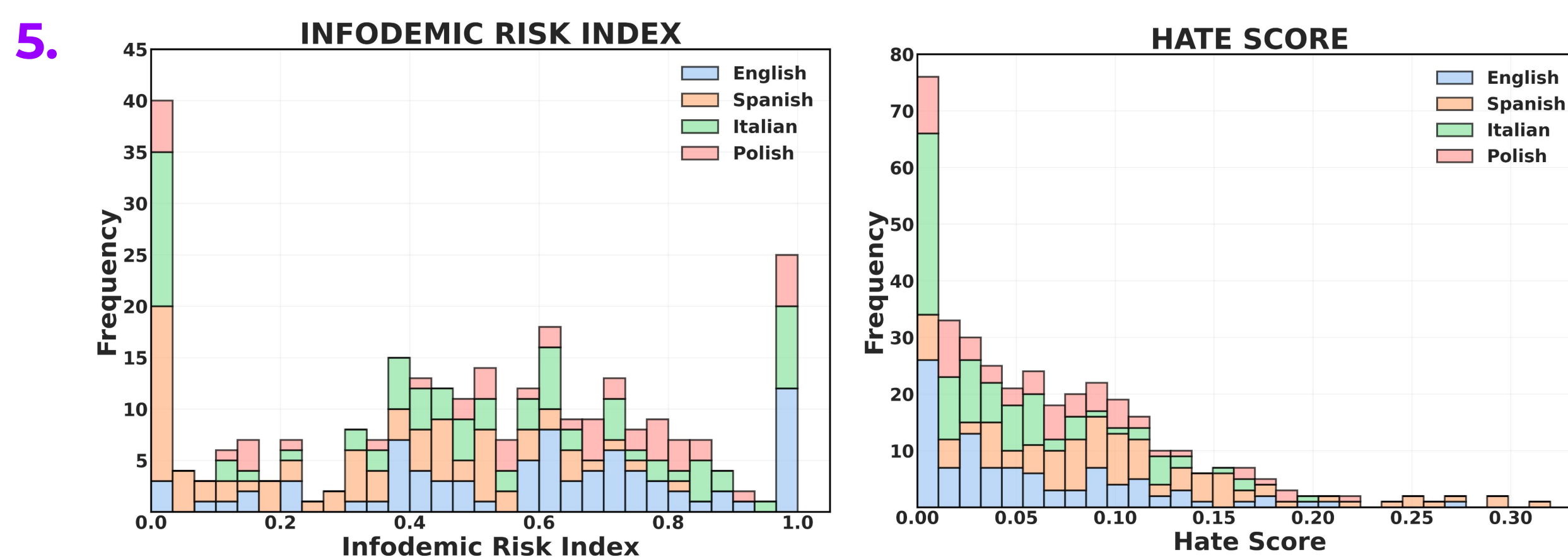
4.	Date	Message	HS	IRI
	September 12, 2022 at 10:57 AM	Studies show that drinking bleach can cure COVID. Many hospitals are hiding this information to keep their profits up	✗	✓
	September 17, 2022 at 05:50 PM	All [minority group] are criminals and should be banned from our country. They ruin everything for decent people.	✓	✗
	September 20, 2022 at 02:04 AM	Hey everyone, just a reminder to stay safe and follow local health guidelines during the pandemic.	✗	✗
	November 15, 2022 at 07:05 PM	The government is secretly allowing [minority group] to take over our neighborhoods. They are responsible for all the crime and should be expelled immediately.	✓	✓

Message retrieval

Top-ranked channels
Over 10M messages
Around 10k channels



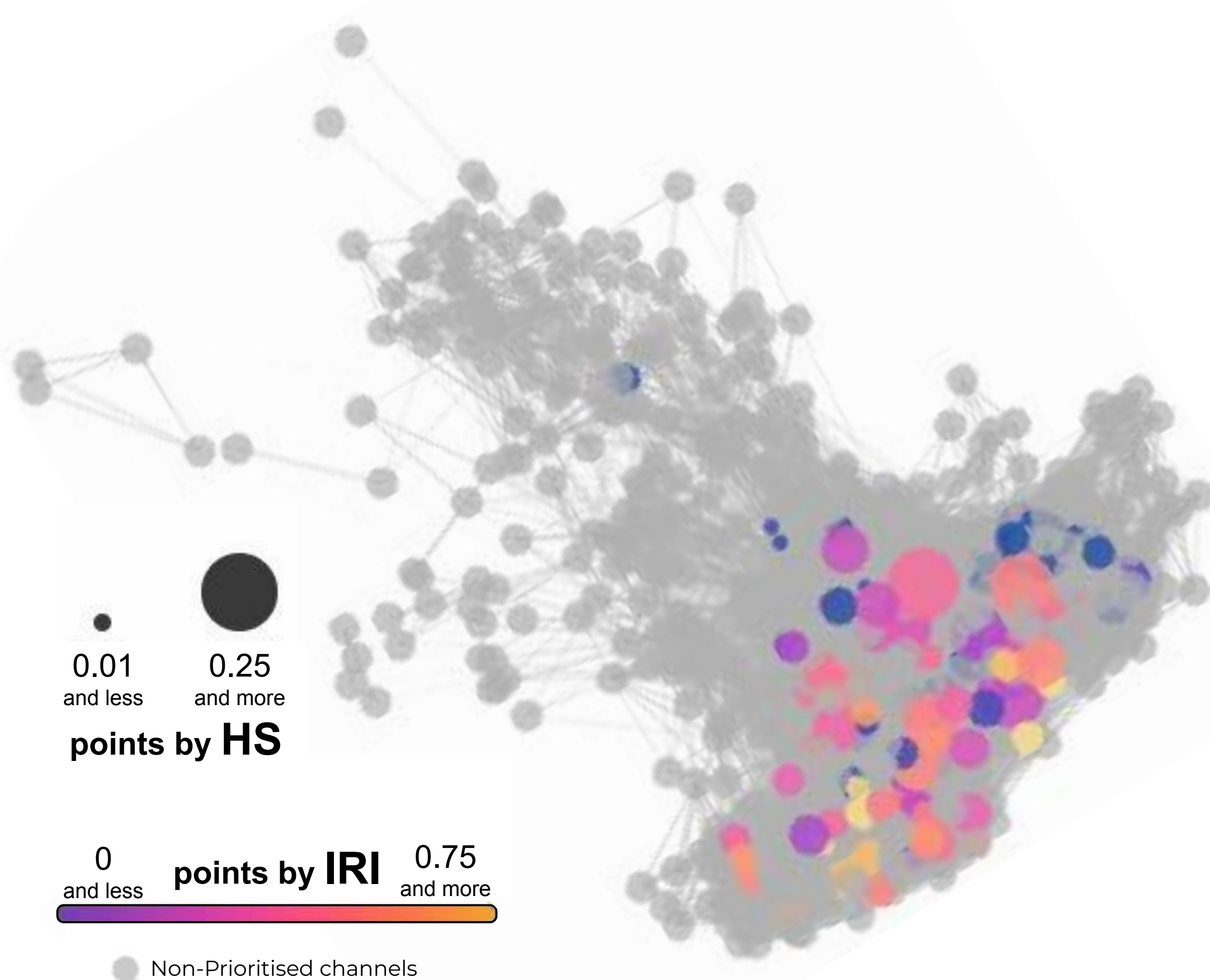
Overview



Disinformation and hate speech scores
Infodemic Risk Index (IRI) and Hate Score (HS)

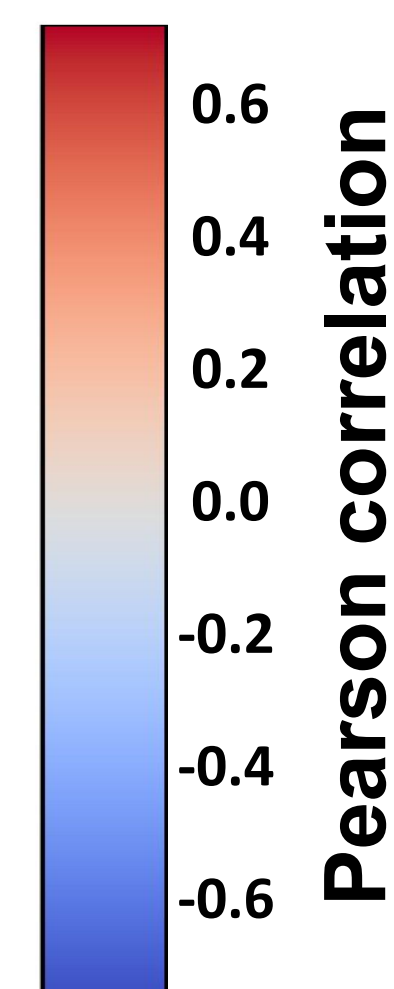
Results

Network



Correlation

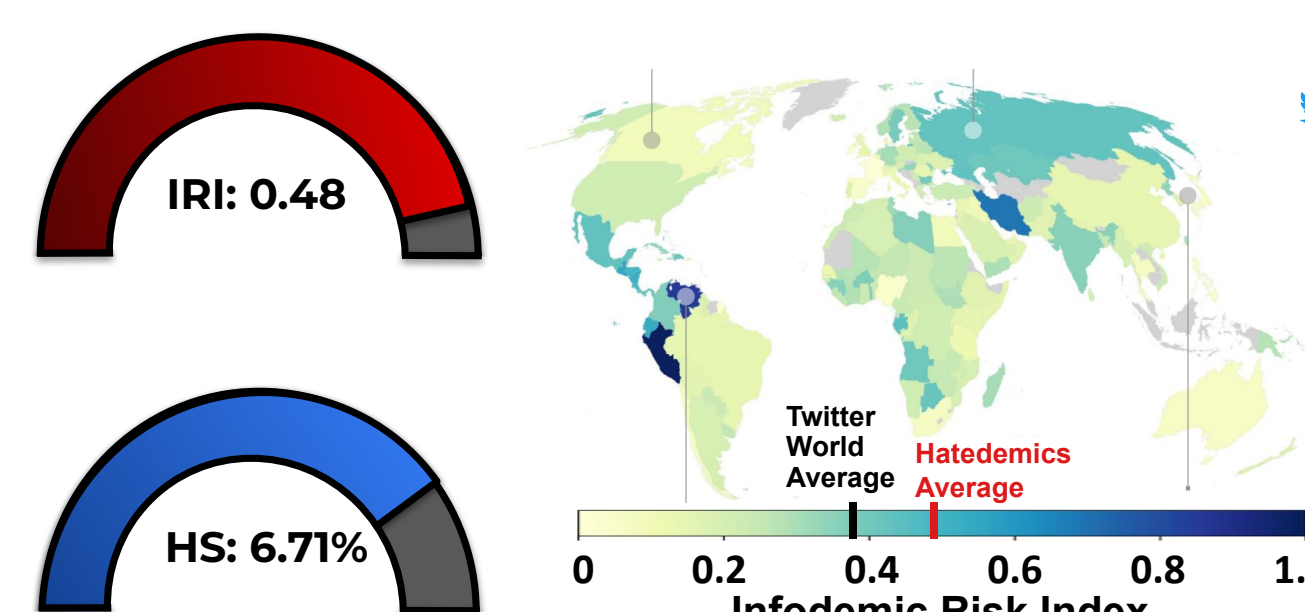
Infodemic Risk Index (IRI)	1.00	-0.02	-0.05	-0.12
Hate Score (HS)	-0.02	1.00	-0.43	0.21
Check-worthiness (CW)	-0.05	-0.43	1.00	0.42
Negative Sentiment (NS)	-0.12	0.21	0.42	1.00
Distance from seed	0.21	-0.28	0.20	-0.08
N in recommendation	-0.09	0.17	0.03	0.23
N messages	0.11	0.19	-0.15	0.15
N users	0.04	-0.01	0.05	0.14
Degree centrality	-0.17	0.28	-0.06	0.19
Betweenness centrality	-0.12	-0.05	0.12	0.09
Closeness centrality	-0.20	0.23	-0.07	0.18
Eigenvector centrality	0.06	0.09	0.22	0.12
	IRI	HS	CW	NS



Conclusions

- The proposed strategy is a **scalable, effective** method for collecting data on disinformation and hate speech.

- Collected channels have relatively **high IRI** and **HS**.



- Next steps** include comparing alternative priority score methods.