

Vaccine-critical discourse on French-speaking Twitter and its outreach

Analysing the Twitter directed hyper-graph

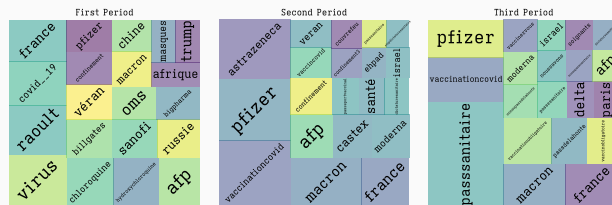
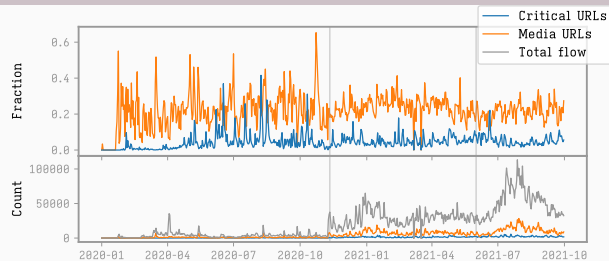
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Tweets and retweets on vaccines and Covid19:

Tweets	3M
Retweets	10M
Users	1M
First day	2020-01-01
Last day	2021-09-30

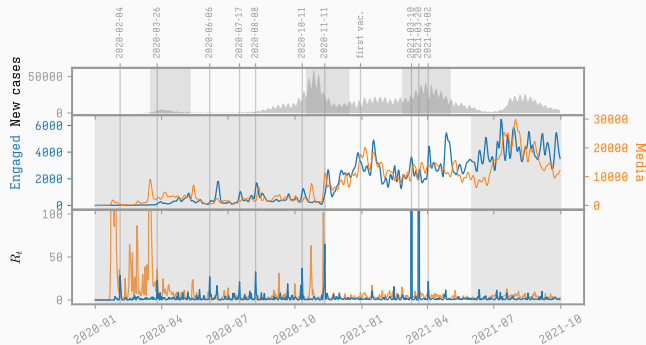


General discussion

Vaccine
development

Covid pass

Users Engagement in Critical Discourse




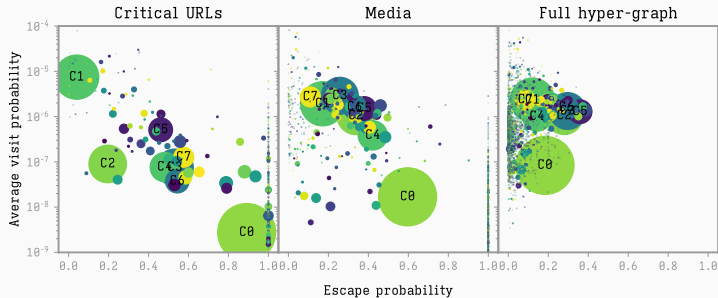
Events detected by rapid engagement growth (high R_t):

2020-07-17	Hydroxychloroquine and Remdesivir instead of Bill Gates' vaccine
2020-08-08	Dr Pierre Cave statement
2020-10-11	#stopdictaturesanitaire
2020-11-11	Pfizer announcement
2021-03-10	Retraction of Astrazeneca in Denmark
2021-03-20	More retractions of Astrazeneca

Community Outreach

Community structure built on the retweet hyper-graph.

- C1 (right-wing community) has low out-reach.
- most communities have large outreach with critical 



C0	General	C1	Right-wing
C2	Medical staff	C3	Media
C4	Int. Media	C5	Left-wing
C6	Government	C7	Canada

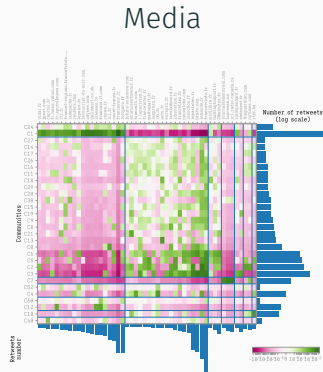
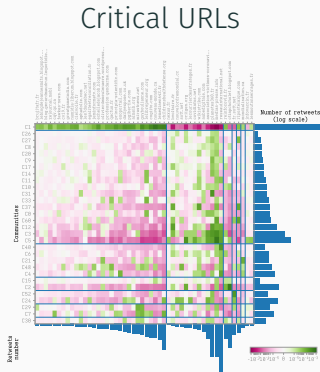
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Community and URLs meta-structures

Meta-structures of communities and URLs combined clustering.

- C1 different critical and media URLs usage.
- C7 use local (Canada) sources.
- C2 (Medical staff) use international sources.



? Questions?

Joint work with:



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