

PROJECT WEEK 3

CORONA VIRUS & GLOBAL AWARENESS

Ana Horta, Duarte Cruz, Tristan Piat



COMPARING THE PROGRESS OF THE CORONA VIRUS WITH TRENDS IN GOOGLE & TWITTER: IS THERE A RELATION?

TIMELINE: 2020-01-20 - 2020-02-02

SOURCES & CHALLENGES

DATA USED:

- Johns Hopkins University's data set on Corona virus spread;
- Twitter activity of the World Health Organization (WHO) user account;
- Google trends;
- Chinese National Health Center data;

CHALLENGES:

- Retrieving the total amount of tweets as per original plan;
- Condensing the entries in the data set (China provinces);
- Missing values;

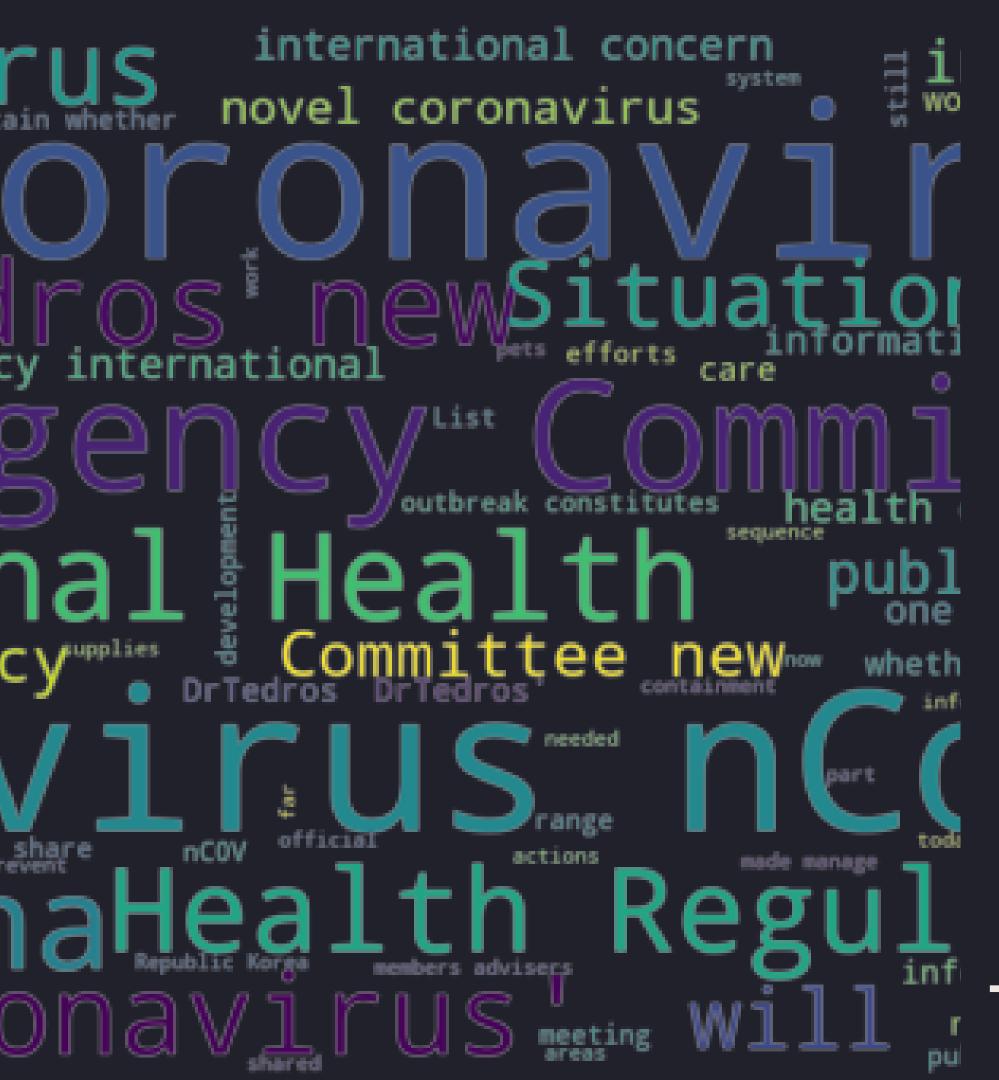
Confirmed	Deaths	Recovered	Google Trends	Tweets	Retweets	Confirmed Progression	Daily Death Progression	Retweets per Tweet	weets per Tweet Progression
-0.16	-0.14	-0.13	0.04	-0.19	0.10	0.80	0.87	0.87	1.00
-0.34	-0.33	-0.31	-0.22	-0.23	0.22	0.62	0.68	1.00	0.87
-0.12	-0.07	-0.10	0.31	-0.30	0.10	0.84	1.00	0.68	0.87
-0.27	-0.24	-0.26	0.09	-0.19	0.13	1.00	0.84	0.62	0.80
-0.47	-0.46	-0.50	-0.22	0.71	1.00	0.13	0.10	0.22	0.10
-0.37	-0.38	-0.37	-0.24	1.00	0.71	-0.19	-0.30	-0.23	-0.19
0.64	0.68	0.51	1.00	-0.24	-0.22	0.09	0.31	-0.22	0.04
0.98	0.97	1.00	0.51	-0.37	-0.50	-0.26	-0.10	-0.31	-0.13
1.00	1.00	0.97	0.68	-0.38	-0.46	-0.24	-0.07	-0.33	-0.14
1.00	1.00	0.98	0.64	-0.37	-0.47	-0.27	-0.12	-0.34	-0.16
	1.00 0.98 0.64 -0.37 -0.47 -0.27 -0.12 -0.16	1.00 1.00 0.98 0.97 0.64 0.68 -0.37 -0.38 -0.47 -0.46 -0.27 -0.24 -0.12 -0.07 -0.34 -0.33 -0.16 -0.14	1.001.000.970.980.971.000.640.680.51-0.37-0.38-0.37-0.47-0.46-0.50-0.27-0.24-0.26-0.12-0.07-0.10-0.34-0.33-0.31-0.16-0.14-0.13	1.00 1.00 0.97 0.68 0.98 0.97 1.00 0.51 0.64 0.68 0.51 1.00 -0.37 -0.38 -0.37 -0.24 -0.47 -0.46 -0.50 -0.22 -0.27 -0.24 -0.26 0.09 -0.12 -0.07 -0.10 0.31 -0.34 -0.33 -0.31 -0.22 -0.16 -0.14 -0.13 0.04	1.00 1.00 0.97 0.68 -0.38 0.98 0.97 1.00 0.51 -0.37 0.64 0.68 0.51 1.00 -0.24 -0.37 -0.38 -0.37 -0.24 1.00 -0.47 -0.46 -0.50 -0.22 0.71 -0.27 -0.24 -0.26 0.09 -0.19 -0.12 -0.07 -0.10 0.31 -0.30 -0.34 -0.33 -0.31 -0.22 -0.23 -0.16 -0.14 -0.13 0.04 -0.19	1.00 1.00 0.97 0.68 -0.38 -0.46 0.98 0.97 1.00 0.51 -0.37 -0.50 0.64 0.68 0.51 1.00 -0.24 -0.22 -0.37 -0.38 -0.37 -0.24 1.00 0.71 -0.47 -0.46 -0.50 -0.22 0.71 1.00 -0.27 -0.24 -0.26 0.09 -0.19 0.13 -0.12 -0.07 -0.10 0.31 -0.30 0.10 -0.34 -0.33 -0.31 -0.22 -0.23 0.22 -0.16 -0.14 -0.13 0.04 -0.19 0.10	1.00 1.00 0.97 0.68 -0.38 -0.46 -0.24 0.98 0.97 1.00 0.51 -0.37 -0.50 -0.26 0.64 0.68 0.51 1.00 -0.24 -0.22 0.09 -0.37 -0.38 -0.37 -0.24 1.00 0.71 -0.19 -0.47 -0.46 -0.50 -0.22 0.71 1.00 0.13 -0.27 -0.24 -0.26 0.09 -0.19 0.13 1.00 -0.12 -0.07 -0.10 0.31 -0.30 0.10 0.84 -0.34 -0.33 -0.31 -0.22 -0.23 0.22 0.62 -0.16 -0.14 -0.13 0.04 -0.19 0.10 0.80	1.00 1.00 0.97 0.68 -0.38 -0.46 -0.24 -0.07 0.98 0.97 1.00 0.51 -0.37 -0.50 -0.26 -0.10 0.64 0.68 0.51 1.00 -0.24 -0.22 0.09 0.31 -0.37 -0.38 -0.37 -0.24 1.00 0.71 -0.19 -0.30 -0.47 -0.46 -0.50 -0.22 0.71 1.00 0.13 0.10 -0.27 -0.24 -0.26 0.09 -0.19 0.13 1.00 0.84 -0.12 -0.07 -0.10 0.31 -0.30 0.10 0.84 1.00 -0.34 -0.33 -0.31 -0.22 -0.23 0.22 0.62 0.68 -0.16 -0.14 -0.13 0.04 -0.19 0.10 0.80 0.87	1.00 1.00 0.97 0.68 -0.38 -0.46 -0.24 -0.07 -0.33 0.98 0.97 1.00 0.51 -0.37 -0.50 -0.26 -0.10 -0.31 0.64 0.68 0.51 1.00 -0.24 -0.22 0.09 0.31 -0.22 -0.37 -0.38 -0.37 -0.24 1.00 0.71 -0.19 -0.30 -0.23 -0.47 -0.46 -0.50 -0.22 0.71 1.00 0.13 0.10 0.22 -0.27 -0.24 -0.26 0.09 -0.19 0.13 1.00 0.84 0.62 -0.12 -0.07 -0.10 0.31 -0.30 0.10 0.84 1.00 0.68 -0.34 -0.33 -0.31 -0.22 -0.23 0.22 0.62 0.68 1.00 -0.16 -0.14 -0.13 0.04 -0.19 0.10 0.80 0.87 0.87

RELATION BETWEEN PROGRESS OF THE CORONA VIRUS & GOOGLE



RELATION BETWEEN PROGRESS OF THE CORONA VIRUS & TWITTER





NEXT STEPS:

- Analyse for how long public attention is drawn to this topic;
- If Google & Twitter trends will continue with this correlation;

THANK YOU FOR LISTENING!