

**Title:**

Strong negative covariation between toxoplasmosis and CoVID-19 at a global scale: a spurious indirect effect?

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Table S1. Linear regression models explaining CoVID-19 delay in different countries

Model 2 – with spatial covaraites, $AIC_c = 682.523$				
	Estimate	Std. Error	t value	P
Intercept	2.785	4.101	0.679	0.499
Toxoplasmosis	0.104	0.089	1.162	0.249
GDP	-0.292	0.067	-4.354	<.001
Spatial Filter 3	50.529	13.934	3.626	<.001
Spatial Filter 4	-39.319	12.254	-3.209	0.002
Spatial Filter 6	22.704	11.953	1.899	0.061
Spatial Filter 10	-20.593	12.028	-1.712	0.091
Spatial Filter 16	-23.548	11.952	-1.97	0.052

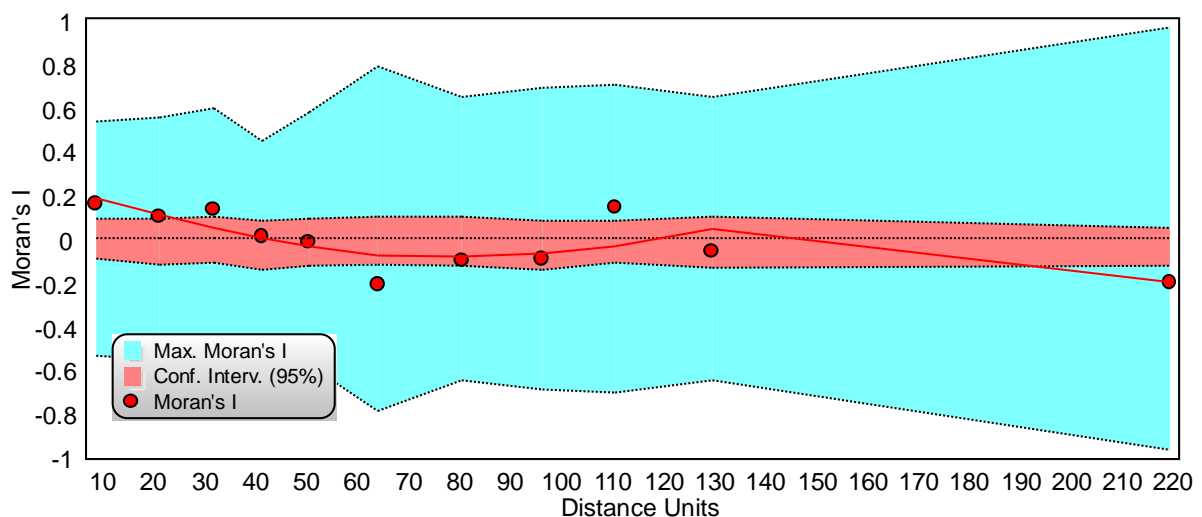


Fig S1. Spatial structure analyse - correlogram of CoVID-19 delay (which are residuals and should be interpreted as population size corrected time delay of first case of COVID-19 in given country)

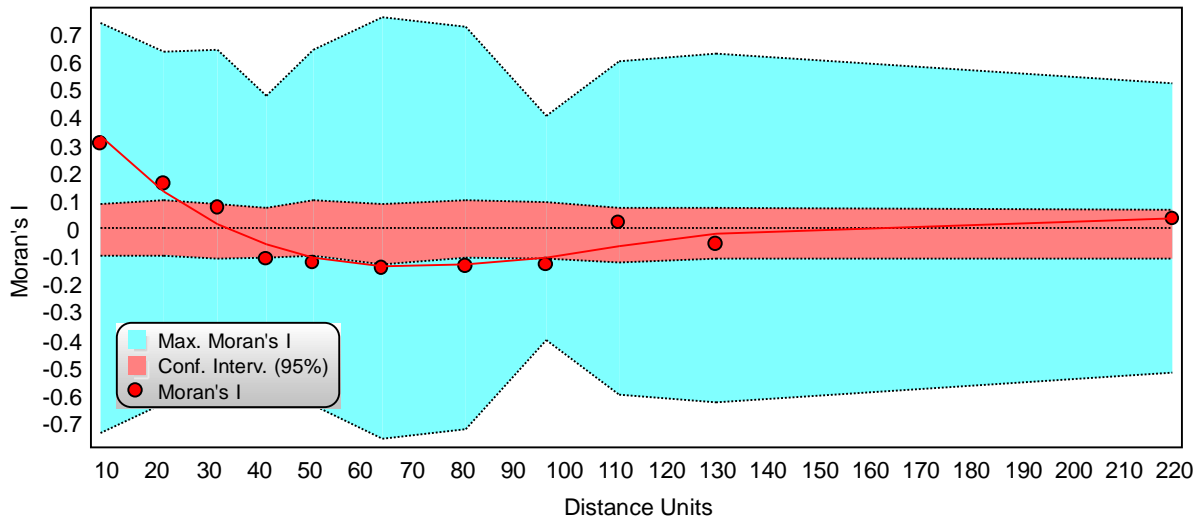


Fig S2. Spatial structure analyse - correlogram of Gross Domestic Product (GDP) per capita.

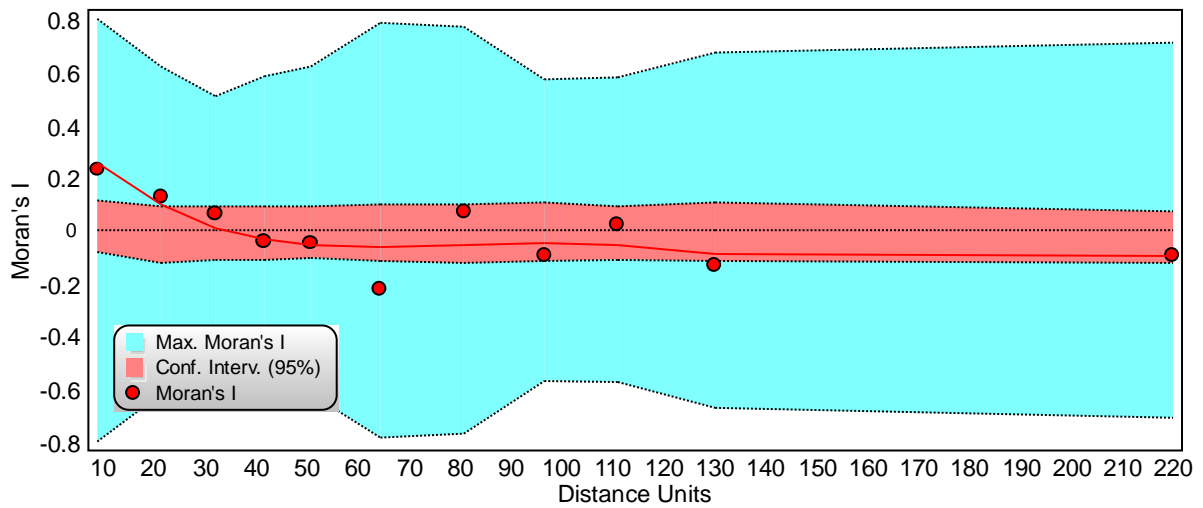


Fig S3. Spatial structure analyse - correlogram of variable Toxoplasmosis prevalence.

country	x	y	tox	population	log(populat	TID	GDP
Albania	20.04983	41.14245	42	2880917	6.459531	114	5268.849
Argentina	-65.1798	-35.3814	53	44780677	7.651091	109	11683.95
Australia	134.491	-25.7329	16	25203198	7.401456	71	57373.69
Austria	14.12648	47.5855	36	8955102	6.952071	102	51461.95
Bahrain	50.54198	26.04201	16	1641172	6.215154	101	24050.76
Bangladesh	90.23813	23.8673	38	1.63E+08	8.212311	114	1698.263
Belgium	4.640646	50.63981	42	11539328	7.062181	81	47518.64
Benin	2.327845	9.641753	47	1180115	6.071924	122	901.5439
Brazil	-53.0978	-10.7878	50	2.11E+08	8.324384	103	8920.762
Burkina Faso	-1.75457	12.26954	25	20321378	7.307953	116	715.1229
Cameroon	12.73964	5.691103	70	25876380	7.412904	111	1533.742
Canada	-98.3078	61.36207	17	37411047	7.573	72	46232.99
Chile	-71.3826	-37.7307	33	18952038	7.277656	109	15923.36
Colombia	-73.0811	3.913832	54	50339443	7.701908	112	6667.791
Republic of the Coi	15.21966	-0.83788	60	5380508	6.730823	120	2147.769
Costa Rica	-84.1921	9.976342	76	5047561	6.703082	113	12027.37
Croatia	16.40413	45.08047	24	4043263	6.606732	102	14909.69
Cuba	-79.0161	21.6229	55	11333483	7.054363	118	8821.819
Czechia	15.3124	49.73341	16	10689209	7.028946	107	23078.57
Denmark	10.02799	55.98126	20	5771876	6.761317	103	61350.35
Egypt	29.8619	26.49593	36	1E+08	8.001682	91	2549.132
Estonia	25.54249	58.67192	45	1325648	6.122428	103	23266.35
Ethiopia	39.6008	8.622784	66	1.12E+08	8.049523	119	772.3135
Finland	26.27467	64.49885	17	5532156	6.742894	75	50152.34
France	2.536185	46.18701	47	65129728	7.813779	70	41463.64
Gabon	11.78863	-0.5866	71	2172579	6.336976	119	7952.526
Germany	10.38578	51.10698	50	83517045	7.921775	74	47603.03
Greece	22.95556	39.07467	21	10473455	7.02009	103	20324.25
Grenada	-61.6822	12.11726	50	112003	5.04923	128	10640.5
Hungary	19.39559	47.16278	45	9684679	6.986085	110	16161.98
Iceland	-18.574	64.99575	8	339031	5.530239	107	73191.12
India	79.61197	22.88578	35	1.37E+09	9.135583	76	2009.979
Indonesia	117.2401	-2.21505	46	2.71E+08	8.432369	107	3893.596
Iran	54.27407	32.57503	33	82913906	7.918627	96	5627.749
Iraq	43.74353	33.03971	42	39309783	7.594501	101	5834.166
Ireland	-8.13793	53.17544	25	4882495	6.688642	106	78806.43
Israel	35.00445	31.4611	17	8519377	6.930408	98	41715.03
Italy	12.07001	42.79664	16	60550075	7.782115	75	34483.2
Jamaica	-77.3148	18.15695	57	2948279	6.469569	116	5354.237
Japan	138.0309	37.5923	8	1.27E+08	8.103326	60	39289.96
Jordan	36.77137	31.24579	40	10101694	7.004394	108	4241.789
Kuwait	47.58699	29.33432	53	4207083	6.623981	100	33994.41
Libya	18.00866	27.03094	34	6777452	6.831066	130	7241.704
Lithuania	23.8872	55.32611	34	2759627	6.44085	104	19153.41
Macedonia	21.68211	41.59531	18	2083459	6.318785	103	6083.719
Madagascar	46.70474	-19.3719	84	26969307	7.43087	127	527.5013
Malaysia	109.6976	3.789873	49	31949777	7.504468	71	11373.23
Mexico	-102.523	23.94754	49	1.28E+08	8.105767	105	9673.444
Montenegro	19.23884	42.78891	23	627987	5.797951	123	8844.237

Morocco	-8.45616	29.83763	44	36471769	7.561957	108	3222.201
Mozambique	35.53367	-17.2738	13	30366036	7.482388	128	498.9572
Nepal	83.91584	28.24891	55	28608710	7.456498	69	1033.912
Netherlands	5.281474	52.10081	26	17097130	7.232923	104	53024.06
New Zealand	171.485	-41.8111	26	4783063	6.679706	104	41945.33
Nigeria	8.089442	9.594118	71	2.01E+08	8.303117	104	2028.182
Norway	15.34833	68.75014	9	5378857	6.73069	103	81697.25
Pakistan	69.33958	29.94975	28	2.17E+08	8.335589	103	1482.403
Papua New Guinea	145.2074	-6.46416	15	8776109	6.943302	126	2730.275
Peru	-74.3824	-9.1528	33	32510453	7.512023	112	6941.236
Poland	19.39012	52.1276	34	37887768	7.578499	109	15420.91
Portugal	-8.50106	39.5955	17	10226187	7.009714	108	23407.91
Qatar	51.18479	25.30601	30	2832067	6.452104	106	68793.78
Romania	24.97293	45.85243	38	19364557	7.287008	103	12301.19
Sao Tome and Prin	6.724296	0.443909	68	215056	5.332552	143	2001.141
Saudi Arabia	44.53687	24.12245	27	34268528	7.534895	108	23338.96
Senegal	-14.4735	14.36624	34	16296364	7.212091	108	1521.954
Republic of Serbia	20.78958	44.2215	26	8772235	6.94311	111	7246.732
Singapore	103.8173	1.358771	14	5804337	6.763753	69	64581.94
Slovakia	19.47905	48.70547	18	5457013	6.736955	112	19442.71
Slovenia	14.80445	46.11555	21	2078654	6.317782	110	26123.97
South Korea	127.8392	36.38525	3	51225308	7.709485	65	31362.75
Spain	-3.64755	40.24449	23	46736776	7.669659	77	30370.89
Sudan incl. South S	29.94047	15.99035	36	53875351	7.73139	119	977.2736
Sweden	16.74371	62.79232	13	10036379	7.001577	77	54608.36
Switzerland	8.20866	46.79785	26	8591365	6.934062	102	82796.55
United Republic of	34.8131	-6.27566	35	58005463	7.763469	122	1060.995
Thailand	101.0029	15.11816	11	69037513	7.839085	54	7273.563
Togo	0.962321	8.525298	68	8082366	6.907539	112	679.2571
Trinidad and Tobag	-61.2657	10.45736	43	1394973	6.144566	119	17129.91
Tunisia	9.552883	34.11957	37	11694719	7.06799	108	3447.508
Turkey	35.16896	39.0616	47	83429615	7.92132	117	9370.176
United Kingdom	-2.86563	54.12387	6	67530172	7.829498	77	42943.9
United Arab Emirat	54.30016	23.90527	19	9770529	6.989918	75	43004.95
United States of Ar	-112.462	45.67955	9	3.29E+08	8.517282	66	62794.59
Venezuela	-66.1818	7.124224	38	28515829	7.455086	119	16054.49
Vietnam	106.2991	16.64601	9	96462106	7.984357	70	2566.597

GDP_th	CoVID-19_Delay
5.268849	4.702
11.68395	12.42
57.37369	-28.244
51.46195	-2.041
24.05076	-10.906
1.698263	23.41
47.51864	-21.866
0.901544	8.565
8.920762	13.606
0.715123	15.758
1.533742	11.878
46.23299	-25.414
15.92336	8.434
6.667791	15.962
2.147769	13.598
12.02737	6.302
14.90969	-5.727
8.821819	15.051
23.07857	3.78
61.35035	-3.077
2.549132	-1.838
23.26635	-9.896
0.772314	26.672
50.15234	-31.273
41.46364	-24.844
7.952526	8.394
47.60303	-19.691
20.32425	-0.315
10.6405	3.65
16.16198	6.322
73.19112	-12.216
2.009979	-4.736
3.893596	18.759
5.627749	2.275
5.834166	3.816
78.80643	-0.852
41.71503	-6.272
34.4832	-20.182
5.354237	6.809
39.28996	-31.753
4.241789	4.518
33.99441	-7.543
7.241704	24.668
19.15341	-5.497
6.083719	-7.8
0.527501	28.069
11.37323	-27.145
9.673444	13.273
8.844237	6.641

3.222201	10.469
0.498957	29.619
1.033912	-29.657
53.02406	2.957
41.94533	-2.948
2.028182	14.379
81.69725	-3.404
1.482403	13.726
2.730275	21.866
6.941236	13.936
15.42091	11.645
23.40791	4.574
68.79378	-3.377
12.30119	2.534
2.001141	21.674
23.33896	10.18
1.521954	6.734
7.246732	6.864
64.58194	-37.051
19.44271	5.663
26.12397	-0.811
31.36275	-30.957
30.37089	-19.382
0.977274	23.277
54.60836	-26.512
82.79655	-2.233
1.060995	26.619
7.273563	-40.574
0.679257	7.484
17.12991	6.341
3.447508	5.196
9.370176	23.304
42.9439	-17.676
43.00495	-28.637
62.79459	-21.335
16.05449	20.328
2.566597	-23.023