

Ranked by r*		$t = 1.05*(2.1 + 1.2*(r^*-1.4))$							Ro = EXP	Ro	
Rank	#	1.6	Continent	Country	Cases	Date	r	r*	t	(tr* - t)	1 dp
1	80	IRN	Asia	Iran	95	2020-02-25	1.5941	1.6018	2.4592	4.3926	4.4
2	104	LUX	Europe	Luxembourg	59	2020-03-15	1.5233	1.5324	2.3718	3.5349	3.5
3	170	TUR	Asia	Turkey	192	2020-03-19	1.5769	1.5216	2.3582	3.4211	3.4
4	93	KOR	Asia	South Korea	104	2020-02-20	1.5652	1.5024	2.3340	3.2301	3.2
5	33	CHN	Asia	China	641	2020-01-23	1.5372	1.4983	2.3288	3.1911	3.2
6	176	USA	North America	United States	32	2020-03-01	1.4925	1.4909	2.3196	3.1228	3.1
7	132	PAK	Asia	Pakistan	53	2020-03-14	1.5672	1.4833	2.3100	3.0539	3.1
8	49	DOM	North America	Dominican Republic	34	2020-03-19	1.5579	1.4807	2.3066	3.0304	3.0
9	51	ECU	South America	Ecuador	111	2020-03-18	1.5462	1.4746	2.2990	2.9779	3.0
10	54	ESP	Europe	Spain	673	2020-03-08	1.5071	1.4680	2.2906	2.9210	2.9
11	57	FIN	Europe	Finland	30	2020-03-09	1.4963	1.4660	2.2882	2.9045	2.9
12	138	PRT	Europe	Portugal	59	2020-03-11	1.4119	1.4559	2.2755	2.8220	2.8
13	127	NLD	Europe	Netherlands	38	2020-03-04	1.5323	1.4463	2.2634	2.7461	2.7
14	31	CHE	Europe	Switzerland	42	2020-03-02	1.4487	1.4403	2.2557	2.6996	2.7
15	44	CZE	Europe	Czechia	31	2020-03-09	1.4356	1.4373	2.2520	2.6772	2.7
16	159	SWE	Europe	Sweden	32	2020-03-03	1.4771	1.4354	2.2496	2.6630	2.7
17	32	CHL	South America	Chile	35	2020-03-11	1.3906	1.4226	2.2335	2.5702	2.6
18	134	PER	South America	Peru	38	2020-03-14	1.4384	1.4209	2.2313	2.5576	2.6
19	45	DEU	Europe	Germany	48	2020-02-28	1.4041	1.4200	2.2301	2.5512	2.6
20	24	BRA	South America	Brazil	38	2020-03-11	1.3940	1.4165	2.2258	2.5273	2.5
21	158	SVN	Europe	Slovenia	31	2020-03-10	1.4785	1.4129	2.2212	2.5019	2.5
22	48	DNK	Europe	Denmark	92	2020-03-09	1.5548	1.4128	2.2212	2.5016	2.5
23	130	NZL	Oceania	New Zealand	52	2020-03-21	1.4033	1.4067	2.2135	2.4603	2.5
24	128	NOR	Europe	Norway	176	2020-03-08	1.4143	1.4056	2.2120	2.4525	2.5
25	84	ITA	Europe	Italy	155	2020-02-23	1.4178	1.3967	2.2050	2.3982	2.4
26	59	FRA	Europe	France	38	2020-02-27	1.4103	1.3965	2.2050	2.3969	2.4
27	137	POL	Europe	Poland	31	2020-03-11	1.4168	1.3943	2.2050	2.3856	2.4
28	166	TJK	Asia	Tajikistan	76	2020-05-02	1.4341	1.3794	2.2050	2.3082	2.3
29	79	IRL	Europe	Ireland	129	2020-03-15	1.3956	1.3776	2.2050	2.2992	2.3
30	10	AUT	Europe	Austria	104	2020-03-08	1.3711	1.3754	2.2050	2.2883	2.3
31	174	UKR	Europe	Ukraine	73	2020-03-23	1.3729	1.3734	2.2050	2.2782	2.3
32	16	BGD	Asia	Bangladesh	70	2020-04-04	1.3636	1.3666	2.2050	2.2440	2.2
33	61	GBR	Europe	United Kingdom	56	2020-02-28	1.3445	1.3575	2.2050	2.1997	2.2
34	103	LTU	Europe	Lithuania	36	2020-03-19	1.3576	1.3520	2.2050	2.1732	2.2
35	77	IDN	Asia	Indonesia	34	2020-03-11	1.3156	1.3493	2.2050	2.1601	2.2
36	66	GNB	Africa	Guinea-Bissau	52	2020-04-25	1.3157	1.3435	2.2050	2.1327	2.1
37	133	PAN	North America	Panama	69	2020-03-17	1.3531	1.3367	2.2050	2.1010	2.1
38	122	MYS	Asia	Malaysia	149	2020-03-12	1.3520	1.3361	2.2050	2.0981	2.1
39	183	ZAF	Africa	South Africa	62	2020-03-16	1.3109	1.3285	2.2050	2.0633	2.1
40	38	COL	South America	Colombia	34	2020-03-15	1.3597	1.3199	2.2050	2.0248	2.0
41	21	BLR	Europe	Belarus	152	2020-03-31	1.2989	1.3186	2.2050	2.0190	2.0
42	13	BEL	Europe	Belgium	50	2020-03-05	1.3980	1.3168	2.2050	2.0110	2.0
43	30	CAN	North America	Canada	236	2020-03-14	1.3130	1.3153	2.2050	2.0040	2.0
44	111	MEX	North America	Mexico	41	2020-03-14	1.3195	1.3138	2.2050	1.9976	2.0
45	83	ISR	Asia	Israel	60	2020-03-11	1.3314	1.3132	2.2050	1.9949	2.0
46	6	ARG	South America	Argentina	79	2020-03-18	1.3067	1.3128	2.2050	1.9931	2.0
47	74	HRV	Europe	Croatia	65	2020-03-17	1.3134	1.3127	2.2050	1.9928	2.0
48	88	KAZ	Asia	Kazakhstan	72	2020-03-24	1.3158	1.3085	2.2050	1.9741	2.0
49	146	SDN	Africa	Sudan	32	2020-04-16	1.2731	1.3082	2.2050	1.9731	2.0
50	35	CMR	Africa	Cameroon	139	2020-03-29	1.2964	1.3077	2.2050	1.9710	2.0

Rank	#	1.6	Continent	Country	Cases	Date	r	r*	t	(tr* - t)	1 dp
51	73	HND	North America	Honduras	30	2020-03-24	1.2967	1.3035	2.2050	1.9526	2.0
52	119	MRT	Africa	Mauritania	40	2020-05-16	1.3403	1.3021	2.2050	1.9468	1.9
53	172	TZA	Africa	Tanzania	32	2020-04-12	1.3565	1.3011	2.2050	1.9426	1.9
54	143	RUS	Europe	Russia	63	2020-03-15	1.3206	1.2989	2.2050	1.9331	1.9
55	105	LVA	Europe	Latvia	30	2020-03-15	1.2991	1.2972	2.2050	1.9259	1.9
56	142	ROU	Europe	Romania	45	2020-03-11	1.2855	1.2942	2.2050	1.9133	1.9
57	68	GRC	Europe	Greece	99	2020-03-11	1.2730	1.2932	2.2050	1.9090	1.9
58	15	BFA	Africa	Burkina Faso	33	2020-03-19	1.2814	1.2885	2.2050	1.8891	1.9
59	135	PHL	Asia	Philippines	33	2020-03-10	1.3351	1.2861	2.2050	1.8793	1.9
60	112	MKD	Europe	North Macedonia	35	2020-03-18	1.3119	1.2822	2.2050	1.8632	1.9
61	64	GIN	Africa	Guinea	30	2020-04-01	1.3367	1.2813	2.2050	1.8594	1.9
62	67	GNQ	Africa	Equatorial Guinea	84	2020-04-22	1.2516	1.2771	2.2050	1.8423	1.8
63	165	THA	Asia	Thailand	177	2020-03-17	1.2761	1.2767	2.2050	1.8409	1.8
64	108	MDA	Europe	Moldova	30	2020-03-17	1.2566	1.2755	2.2050	1.8358	1.8
65	145	SAU	Asia	Saudi Arabia	103	2020-03-15	1.2728	1.2721	2.2050	1.8220	1.8
66	14	BEN	Africa	Benin	96	2020-05-05	1.2715	1.2715	2.2050	1.8195	1.8
67	41	CRI	North America	Costa Rica	35	2020-03-16	1.2730	1.2701	2.2050	1.8141	1.8
68	46	DJI	Africa	Djibouti	187	2020-04-11	1.2588	1.2688	2.2050	1.8089	1.8
69	117	MNG	Asia	Mongolia	42	2020-05-12	1.2649	1.2686	2.2050	1.8080	1.8
70	153	SRB	Europe	Serbia	55	2020-03-16	1.2547	1.2666	2.2050	1.8000	1.8
71	152	SOM	Africa	Somalia	80	2020-04-15	1.2426	1.2664	2.2050	1.7993	1.8
72	4	AND	Europe	Andorra	39	2020-03-18	1.2781	1.2658	2.2050	1.7968	1.8
73	169	TUN	Africa	Tunisia	54	2020-03-20	1.2622	1.2653	2.2050	1.7950	1.8
74	9	AUS	Oceania	Australia	128	2020-03-11	1.2412	1.2641	2.2050	1.7902	1.8
75	50	DZA	Africa	Algeria	60	2020-03-17	1.2735	1.2641	2.2050	1.7900	1.8
76	102	LSO	Africa	Lesotho	35	2020-07-03	1.2106	1.2593	2.2050	1.7713	1.8
77	185	ZWE	Africa	Zimbabwe	56	2020-05-25	1.2545	1.2574	2.2050	1.7638	1.8
78	124	NER	Africa	Niger	74	2020-04-01	1.2787	1.2553	2.2050	1.7558	1.8
79	20	BIH	Europe	Bosnia and Herzegovina	38	2020-03-18	1.2905	1.2521	2.2050	1.7437	1.7
80	53	ERI	Africa	Eritrea	41	2020-06-11	1.2417	1.2516	2.2050	1.7415	1.7
81	121	MWI	Africa	Malawi	101	2020-05-26	1.2297	1.2507	2.2050	1.7382	1.7
82	157	SVK	Europe	Slovakia	32	2020-03-13	1.2683	1.2483	2.2050	1.7288	1.7
83	78	IND	Asia	India	142	2020-03-17	1.2277	1.2447	2.2050	1.7154	1.7
84	106	MAR	Africa	Morocco	38	2020-03-17	1.2479	1.2434	2.2050	1.7103	1.7
85	17	BGR	Europe	Bulgaria	52	2020-03-16	1.2567	1.2423	2.2050	1.7062	1.7
86	42	CUB	North America	Cuba	48	2020-03-24	1.2370	1.2406	2.2050	1.6999	1.7
87	89	KEN	Africa	Kenya	38	2020-03-28	1.2369	1.2373	2.2050	1.6875	1.7
88	86	JOR	Asia	Jordan	34	2020-03-17	1.2693	1.2324	2.2050	1.6693	1.7
89	96	LBN	Asia	Lebanon	32	2020-03-09	1.2378	1.2280	2.2050	1.6533	1.7
90	184	ZMB	Africa	Zambia	153	2020-05-07	1.2358	1.2264	2.2050	1.6476	1.6
91	110	MDV	Asia	Maldives	35	2020-04-18	1.2528	1.2260	2.2050	1.6460	1.6
92	7	ARM	Asia	Armenia	52	2020-03-16	1.2521	1.2260	2.2050	1.6459	1.6
93	55	EST	Europe	Estonia	79	2020-03-13	1.2671	1.2253	2.2050	1.6433	1.6
94	23	BOL	South America	Bolivia	32	2020-03-25	1.2483	1.2242	2.2050	1.6393	1.6
95	76	HUN	Europe	Hungary	50	2020-03-17	1.2124	1.2240	2.2050	1.6387	1.6
96	18	BHR	Asia	Bahrain	60	2020-03-06	1.2658	1.2232	2.2050	1.6360	1.6
97	28	BWA	Africa	Botswana	92	2020-06-27	1.1980	1.2223	2.2050	1.6326	1.6
98	126	NIC	North America	Nicaragua	279	2020-05-24	1.2216	1.2216	2.2050	1.6301	1.6
99	52	EGY	Africa	Egypt	60	2020-03-11	1.2011	1.2203	2.2050	1.6254	1.6
100	147	SEN	Africa	Senegal	31	2020-03-19	1.2264	1.2187	2.2050	1.6198	1.6
101	120	MUS	Africa	Mauritius	36	2020-03-23	1.2316	1.2186	2.2050	1.6194	1.6

Rank	#	1.6	Continent	Country	Cases	Date	r	r*	t	(tr* - t)	1 dp
102	82	ISL	Europe	Iceland	50	2020-03-08	1.2179	1.2184	2.2050	1.6185	1.6
103	11	AZE	Asia	Azerbaijan	93	2020-03-25	1.2403	1.2179	2.2050	1.6170	1.6
104	1	AFG	Asia	Afghanistan	41	2020-03-23	1.2115	1.2176	2.2050	1.6158	1.6
105	177	UZB	Asia	Uzbekistan	50	2020-03-24	1.2356	1.2176	2.2050	1.6156	1.6
106	154	SSD	Africa	South Sudan	58	2020-05-06	1.2188	1.2157	2.2050	1.6090	1.6
107	5	ARE	Asia	United Arab Emirates	664	2020-03-31	1.2206	1.2133	2.2050	1.6004	1.6
108	114	MLT	Europe	Malta	38	2020-03-17	1.1882	1.2091	2.2050	1.5858	1.6
109	123	NAM	Africa	Namibia	72	2020-06-23	1.2051	1.2069	2.2050	1.5779	1.6
110	39	COM	Africa	Comoros	34	2020-05-20	1.2067	1.2067	2.2050	1.5775	1.6
111	175	URY	South America	Uruguay	50	2020-03-17	1.2587	1.2066	2.2050	1.5770	1.6
112	125	NGA	Africa	Nigeria	44	2020-03-24	1.2033	1.2055	2.2050	1.5731	1.6
113	91	KHM	Asia	Cambodia	33	2020-03-17	1.2055	1.2026	2.2050	1.5632	1.6
114	163	TCD	Africa	Chad	117	2020-05-03	1.1732	1.1988	2.2050	1.5501	1.6
115	65	GMB	Africa	Gambia	112	2020-07-20	1.1985	1.1985	2.2050	1.5493	1.5
116	29	CAF	Africa	Central African Republic	143	2020-05-13	1.1799	1.1933	2.2050	1.5316	1.5
117	160	SWZ	Africa	Eswatini	31	2020-04-23	1.1803	1.1920	2.2050	1.5272	1.5
118	37	COG	Africa	Congo	60	2020-04-13	1.1897	1.1897	2.2050	1.5194	1.5
119	129	NPL	Asia	Nepal	102	2020-05-08	1.1964	1.1869	2.2050	1.5101	1.5
120	131	OMN	Asia	Oman	55	2020-03-22	1.1895	1.1856	2.2050	1.5055	1.5
121	85	JAM	North America	Jamaica	73	2020-04-13	1.1743	1.1813	2.2050	1.4915	1.5
122	43	CYP	Europe	Cyprus	33	2020-03-16	1.2055	1.1808	2.2050	1.4898	1.5
123	90	KGZ	Asia	Kyrgyzstan	11444	2020-07-14	1.1885	1.1802	2.2050	1.4879	1.5
124	171	TWN	Asia	Taiwan	59	2020-03-15	1.1800	1.1798	2.2050	1.4866	1.5
125	182	YEM	Asia	Yemen	34	2020-05-09	1.2011	1.1793	2.2050	1.4851	1.5
126	156	SUR	South America	Suriname	44	2020-06-01	1.1784	1.1777	2.2050	1.4798	1.5
127	149	SLE	Africa	Sierra Leone	30	2020-04-18	1.1636	1.1746	2.2050	1.4697	1.5
128	75	HTI	North America	Haiti	234	2020-05-15	1.1790	1.1740	2.2050	1.4676	1.5
129	151	SMR	Europe	San Marino	36	2020-03-08	1.1732	1.1732	2.2050	1.4649	1.5
130	115	MMR	Asia	Myanmar	38	2020-04-11	1.1747	1.1699	2.2050	1.4544	1.5
131	3	ALB	Europe	Albania	76	2020-03-21	1.1802	1.1695	2.2050	1.4532	1.5
132	63	GHA	Africa	Ghana	53	2020-03-24	1.2346	1.1689	2.2050	1.4513	1.5
133	141	QAT	Asia	Qatar	835	2020-04-01	1.1702	1.1687	2.2050	1.4508	1.5
134	34	CIV	Africa	Cote d'Ivoire	73	2020-03-24	1.1772	1.1686	2.2050	1.4502	1.5
135	87	JPN	Asia	Japan	33	2020-02-13	1.1908	1.1684	2.2050	1.4496	1.4
136	94	KWT	Asia	Kuwait	317	2020-04-01	1.1597	1.1638	2.2050	1.4350	1.4
137	180	VEN	South America	Venezuela	33	2020-03-17	1.1623	1.1633	2.2050	1.4333	1.4
138	116	MNE	Europe	Montenegro	85	2020-03-29	1.1541	1.1629	2.2050	1.4322	1.4
139	148	SGP	Asia	Singapore	3699	2020-04-15	1.1672	1.1614	2.2050	1.4276	1.4
140	36	COD	Africa	Democratic Republic of Congo	51	2020-03-27	1.1640	1.1599	2.2050	1.4226	1.4
141	162	SYR	Asia	Syria	58	2020-05-21	1.1584	1.1565	2.2050	1.4120	1.4
142	136	PNG	Oceania	Papua New Guinea	30	2020-07-22	1.1563	1.1543	2.2050	1.4053	1.4
143	60	GAB	Africa	Gabon	49	2020-04-12	1.1712	1.1538	2.2050	1.4037	1.4
144	150	SLV	North America	El Salvador	32	2020-03-31	1.1414	1.1538	2.2050	1.4036	1.4
145	22	BLZ	North America	Belize	56	2020-08-01	1.1528	1.1528	2.2050	1.4005	1.4
146	19	BHS	North America	Bahamas	138	2020-07-18	1.1470	1.1516	2.2050	1.3968	1.4
147	113	MLI	Africa	Mali	59	2020-04-08	1.1583	1.1503	2.2050	1.3931	1.4
148	70	GTM	North America	Guatemala	61	2020-04-05	1.1561	1.1499	2.2050	1.3918	1.4
149	72	HKG	Asia	Hong Kong	162	2020-03-17	1.1437	1.1443	2.2050	1.3746	1.4
150	140	PSE	Asia	Palestine	600	2020-06-18	1.1427	1.1438	2.2050	1.3732	1.4
151	81	IRQ	Asia	Iraq	71	2020-03-11	1.1180	1.1427	2.2050	1.3699	1.4
152	97	LBR	Africa	Liberia	31	2020-04-08	1.1374	1.1374	2.2050	1.3538	1.4

Rank	#	1.6	Continent	Country	Cases	Date	r	r*	t	(tr* - t)	1 dp
153	118	MOZ	Africa	Mozambique	39	2020-04-21	1.1427	1.1371	2.2050	1.3529	1.4
154	101	LKA	Asia	Sri Lanka	44	2020-03-17	1.1326	1.1349	2.2050	1.3464	1.3
155	98	LBY	Africa	Libya	75	2020-05-25	1.1163	1.1340	2.2050	1.3437	1.3
156	26	BRN	Asia	Brunei	37	2020-03-13	1.1294	1.1317	2.2050	1.3370	1.3
157	155	STP	Africa	Sao Tome and Principe	251	2020-05-23	1.1278	1.1290	2.2050	1.3291	1.3
158	173	UGA	Africa	Uganda	121	2020-05-11	1.1341	1.1269	2.2050	1.3228	1.3
159	181	VNM	Asia	Vietnam	30	2020-03-09	1.1205	1.1231	2.2050	1.3117	1.3
160	164	TGO	Africa	Togo	40	2020-04-03	1.1184	1.1204	2.2050	1.3039	1.3
161	62	GEO	Asia	Georgia	40	2020-03-19	1.1184	1.1181	2.2050	1.2973	1.3
162	144	RWA	Africa	Rwanda	40	2020-03-24	1.1184	1.1157	2.2050	1.2905	1.3
163	56	ETH	Africa	Ethiopia	399	2020-05-21	1.1193	1.1149	2.2050	1.2882	1.3
164	109	MDG	Africa	Madagascar	39	2020-03-29	1.1241	1.1132	2.2050	1.2836	1.3
165	25	BRB	North America	Barbados	34	2020-03-31	1.1049	1.1126	2.2050	1.2819	1.3
166	139	PRY	South America	Paraguay	239	2020-04-28	1.1063	1.1115	2.2050	1.2786	1.3
167	12	BDI	Africa	Burundi	191	2020-07-11	1.0967	1.0992	2.2050	1.2445	1.2
168	107	MCO	Europe	Monaco	31	2020-03-25	1.0959	1.0956	2.2050	1.2345	1.2
169	40	CPV	Africa	Cape Verde	121	2020-04-30	1.0898	1.0918	2.2050	1.2243	1.2
170	27	BTN	Asia	Bhutan	31	2020-05-28	1.0868	1.0868	2.2050	1.2109	1.2
171	100	LIE	Europe	Liechtenstein	37	2020-03-21	1.0864	1.0864	2.2050	1.2099	1.2
172	2	AGO	Africa	Angola	92	2020-06-08	1.0845	1.0814	2.2050	1.1967	1.2
173	179	VCT	North America	Saint Vincent and the Grenadines	35	2020-07-16	1.0739	1.0782	2.2050	1.1881	1.2
174	168	TTO	North America	Trinidad and Tobago	51	2020-03-23	1.0773	1.0710	2.2050	1.1695	1.2
175	71	GUY	South America	Guyana	31	2020-04-06	1.0774	1.0707	2.2050	1.1687	1.2
176	161	SYC	Africa	Seychelles	81	2020-07-06	1.0430	1.0430	2.2050	1.0996	1.1
177	8	ATG	North America	Antigua and Barbuda	76	2020-07-22	1.0250	1.0250	2.2050	1.0567	1.1
178	47	DMA	North America	Dominica	18	2020-08-06		1.0000	2.2050	1.0000	1.0
179	58	FJI	Oceania	Fiji	27	2020-08-06		1.0000	2.2050	1.0000	1.0
180	69	GRD	North America	Grenada	24	2020-08-06		1.0000	2.2050	1.0000	1.0
181	92	KNA	North America	Saint Kitts and Nevis	17	2020-08-06		1.0000	2.2050	1.0000	1.0
182	95	LAO	Asia	Laos	20	2020-08-06		1.0000	2.2050	1.0000	1.0
183	99	LCA	North America	Saint Lucia	25	2020-08-06		1.0000	2.2050	1.0000	1.0
184	167	TLS	Asia	Timor	25	2020-08-06		1.0000	2.2050	1.0000	1.0
185	178	VAT	Europe	Vatican	12	2020-08-06		1.0000	2.2050	1.0000	1.0