

Ranked by r*										Ro =	Ro
Rank	#	1.6	Continent	Country	Cases	Date	r	r*	EXP(2.5r* - 2.5)	1 d.p	
1	80	IRN	Asia	Iran	95	2020-02-25	1.5941	1.6018	4.5017	4.5	
2	104	LUX	Europe	Luxembourg	59	2020-03-15	1.5233	1.5324	3.7846	3.8	
3	170	TUR	Asia	Turkey	192	2020-03-19	1.5769	1.5216	3.6837	3.7	
4	93	KOR	Asia	South Korea	104	2020-02-20	1.5652	1.5024	3.5110	3.5	
5	33	CHN	Asia	China	641	2020-01-23	1.5372	1.4983	3.4753	3.5	
6	176	USA	North America	United States	32	2020-03-01	1.4925	1.4909	3.4120	3.4	
7	132	PAK	Asia	Pakistan	53	2020-03-14	1.5672	1.4833	3.3476	3.3	
8	49	DOM	North America	Dominican Republic	34	2020-03-19	1.5579	1.4807	3.3256	3.3	
9	51	ECU	South America	Ecuador	111	2020-03-18	1.5462	1.4746	3.2759	3.3	
10	54	ESP	Europe	Spain	673	2020-03-08	1.5071	1.4680	3.2217	3.2	
11	57	FIN	Europe	Finland	30	2020-03-09	1.4963	1.4660	3.2059	3.2	
12	138	PRT	Europe	Portugal	59	2020-03-11	1.4119	1.4559	3.1262	3.1	
13	127	NLD	Europe	Netherlands	38	2020-03-04	1.5323	1.4463	3.0520	3.1	
14	31	CHE	Europe	Switzerland	42	2020-03-02	1.4487	1.4403	3.0061	3.0	
15	44	CZE	Europe	Czechia	31	2020-03-09	1.4356	1.4373	2.9839	3.0	
16	159	SWE	Europe	Sweden	32	2020-03-03	1.4771	1.4354	2.9697	3.0	
17	32	CHL	South America	Chile	35	2020-03-11	1.3906	1.4226	2.8766	2.9	
18	134	PER	South America	Peru	38	2020-03-14	1.4384	1.4209	2.8638	2.9	
19	45	DEU	Europe	Germany	48	2020-02-28	1.4041	1.4200	2.8573	2.9	
20	24	BRA	South America	Brazil	38	2020-03-11	1.3940	1.4165	2.8331	2.8	
21	158	SVN	Europe	Slovenia	31	2020-03-10	1.4785	1.4129	2.8072	2.8	
22	48	DNK	Europe	Denmark	92	2020-03-09	1.5548	1.4128	2.8068	2.8	
23	130	NZL	Oceania	New Zealand	52	2020-03-21	1.4033	1.4067	2.7644	2.8	
24	128	NOR	Europe	Norway	176	2020-03-08	1.4143	1.4056	2.7564	2.8	
25	84	ITA	Europe	Italy	155	2020-02-23	1.4178	1.3967	2.6960	2.7	
26	59	FRA	Europe	France	38	2020-02-27	1.4103	1.3965	2.6943	2.7	
27	137	POL	Europe	Poland	31	2020-03-11	1.4168	1.3943	2.6798	2.7	
28	166	TJK	Asia	Tajikistan	76	2020-05-02	1.4341	1.3794	2.5816	2.6	
29	79	IRL	Europe	Ireland	129	2020-03-15	1.3956	1.3776	2.5701	2.6	
30	10	AUT	Europe	Austria	104	2020-03-08	1.3711	1.3754	2.5563	2.6	
31	174	UKR	Europe	Ukraine	73	2020-03-23	1.3729	1.3734	2.5436	2.5	
32	16	BGD	Asia	Bangladesh	70	2020-04-04	1.3636	1.3666	2.5003	2.5	
33	61	GBR	Europe	United Kingdom	56	2020-02-28	1.3445	1.3575	2.4444	2.4	
34	103	LTU	Europe	Lithuania	36	2020-03-19	1.3576	1.3520	2.4110	2.4	
35	77	IDN	Asia	Indonesia	34	2020-03-11	1.3156	1.3493	2.3946	2.4	
36	66	GNB	Africa	Guinea-Bissau	52	2020-04-25	1.3157	1.3435	2.3601	2.4	
37	133	PAN	North America	Panama	69	2020-03-17	1.3531	1.3367	2.3204	2.3	
38	122	MYS	Asia	Malaysia	149	2020-03-12	1.3520	1.3361	2.3168	2.3	
39	183	ZAF	Africa	South Africa	62	2020-03-16	1.3109	1.3285	2.2732	2.3	
40	38	COL	South America	Colombia	34	2020-03-15	1.3597	1.3199	2.2252	2.2	
41	21	BLR	Europe	Belarus	152	2020-03-31	1.2989	1.3186	2.2180	2.2	
42	13	BEL	Europe	Belgium	50	2020-03-05	1.3980	1.3168	2.2080	2.2	
43	30	CAN	North America	Canada	236	2020-03-14	1.3130	1.3153	2.1993	2.2	
44	111	MEX	North America	Mexico	41	2020-03-14	1.3195	1.3138	2.1914	2.2	
45	83	ISR	Asia	Israel	60	2020-03-11	1.3314	1.3132	2.1880	2.2	
46	6	ARG	South America	Argentina	79	2020-03-18	1.3067	1.3128	2.1857	2.2	
47	74	HRV	Europe	Croatia	65	2020-03-17	1.3134	1.3127	2.1854	2.2	
48	88	KAZ	Asia	Kazakhstan	72	2020-03-24	1.3158	1.3085	2.1622	2.2	
49	146	SDN	Africa	Sudan	32	2020-04-16	1.2731	1.3082	2.1609	2.2	
50	35	CMR	Africa	Cameroon	139	2020-03-29	1.2964	1.3077	2.1582	2.2	

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51	73	HND	North America	Honduras	30	2020-03-24	1.2967	1.3035	2.1355	2.1
52	119	MRT	Africa	Mauritania	40	2020-05-16	1.3403	1.3021	2.1282	2.1
53	172	TZA	Africa	Tanzania	32	2020-04-12	1.3565	1.3011	2.1230	2.1
54	143	RUS	Europe	Russia	63	2020-03-15	1.3206	1.2989	2.1113	2.1
55	105	LVA	Europe	Latvia	30	2020-03-15	1.2991	1.2972	2.1024	2.1
56	142	ROU	Europe	Romania	45	2020-03-11	1.2855	1.2942	2.0868	2.1
57	68	GRC	Europe	Greece	99	2020-03-11	1.2730	1.2932	2.0815	2.1
58	15	BFA	Africa	Burkina Faso	33	2020-03-19	1.2814	1.2885	2.0569	2.1
59	135	PHL	Asia	Philippines	33	2020-03-10	1.3351	1.2861	2.0449	2.0
60	112	MKD	Europe	North Macedonia	35	2020-03-18	1.3119	1.2822	2.0250	2.0
61	64	GIN	Africa	Guinea	30	2020-04-01	1.3367	1.2813	2.0203	2.0
62	67	GNQ	Africa	Equatorial Guinea	84	2020-04-22	1.2516	1.2771	1.9992	2.0
63	165	THA	Asia	Thailand	177	2020-03-17	1.2761	1.2767	1.9974	2.0
64	108	MDA	Europe	Moldova	30	2020-03-17	1.2566	1.2755	1.9912	2.0
65	145	SAU	Asia	Saudi Arabia	103	2020-03-15	1.2728	1.2721	1.9742	2.0
66	14	BEN	Africa	Benin	96	2020-05-05	1.2715	1.2715	1.9712	2.0
67	41	CRI	North America	Costa Rica	35	2020-03-16	1.2730	1.2701	1.9646	2.0
68	46	DJI	Africa	Djibouti	187	2020-04-11	1.2588	1.2688	1.9582	2.0
69	117	MNG	Asia	Mongolia	42	2020-05-12	1.2649	1.2686	1.9571	2.0
70	153	SRB	Europe	Serbia	55	2020-03-16	1.2547	1.2666	1.9472	1.9
71	152	SOM	Africa	Somalia	80	2020-04-15	1.2426	1.2664	1.9464	1.9
72	4	AND	Europe	Andorra	39	2020-03-18	1.2781	1.2658	1.9434	1.9
73	169	TUN	Africa	Tunisia	54	2020-03-20	1.2622	1.2653	1.9412	1.9
74	9	AUS	Oceania	Australia	128	2020-03-11	1.2412	1.2641	1.9352	1.9
75	50	DZA	Africa	Algeria	60	2020-03-17	1.2735	1.2641	1.9351	1.9
76	102	LSO	Africa	Lesotho	35	2020-07-03	1.2106	1.2593	1.9121	1.9
77	185	ZWE	Africa	Zimbabwe	56	2020-05-25	1.2545	1.2574	1.9030	1.9
78	124	NER	Africa	Niger	74	2020-04-01	1.2787	1.2553	1.8931	1.9
79	20	BIH	Europe	Bosnia and Herzegovina	38	2020-03-18	1.2905	1.2521	1.8783	1.9
80	53	ERI	Africa	Eritrea	41	2020-06-11	1.2417	1.2516	1.8757	1.9
81	121	MWI	Africa	Malawi	101	2020-05-26	1.2297	1.2507	1.8716	1.9
82	157	SVK	Europe	Slovakia	32	2020-03-13	1.2683	1.2483	1.8601	1.9
83	78	IND	Asia	India	142	2020-03-17	1.2277	1.2447	1.8438	1.8
84	106	MAR	Africa	Morocco	38	2020-03-17	1.2479	1.2434	1.8376	1.8
85	17	BGR	Europe	Bulgaria	52	2020-03-16	1.2567	1.2423	1.8326	1.8
86	42	CUB	North America	Cuba	48	2020-03-24	1.2370	1.2406	1.8249	1.8
87	89	KEN	Africa	Kenya	38	2020-03-28	1.2369	1.2373	1.8098	1.8
88	86	JOR	Asia	Jordan	34	2020-03-17	1.2693	1.2324	1.7878	1.8
89	96	LBN	Asia	Lebanon	32	2020-03-09	1.2378	1.2280	1.7684	1.8
90	184	ZMB	Africa	Zambia	153	2020-05-07	1.2358	1.2264	1.7614	1.8
91	110	MDV	Asia	Maldives	35	2020-04-18	1.2528	1.2260	1.7595	1.8
92	7	ARM	Asia	Armenia	52	2020-03-16	1.2521	1.2260	1.7593	1.8
93	55	EST	Europe	Estonia	79	2020-03-13	1.2671	1.2253	1.7563	1.8
94	23	BOL	South America	Bolivia	32	2020-03-25	1.2483	1.2242	1.7514	1.8
95	76	HUN	Europe	Hungary	50	2020-03-17	1.2124	1.2240	1.7506	1.8
96	18	BHR	Asia	Bahrain	60	2020-03-06	1.2658	1.2232	1.7474	1.7
97	28	BWA	Africa	Botswana	92	2020-06-27	1.1980	1.2223	1.7433	1.7
98	126	NIC	North America	Nicaragua	279	2020-05-24	1.2216	1.2216	1.7402	1.7
99	52	EGY	Africa	Egypt	60	2020-03-11	1.2011	1.2203	1.7345	1.7
100	147	SEN	Africa	Senegal	31	2020-03-19	1.2264	1.2187	1.7278	1.7
101	120	MUS	Africa	Mauritius	36	2020-03-23	1.2316	1.2186	1.7273	1.7

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102	82	ISL	Europe	Iceland	50	2020-03-08	1.2179	1.2184	1.7263	1.7
103	11	AZE	Asia	Azerbaijan	93	2020-03-25	1.2403	1.2179	1.7244	1.7
104	1	AFG	Asia	Afghanistan	41	2020-03-23	1.2115	1.2176	1.7229	1.7
105	177	UZB	Asia	Uzbekistan	50	2020-03-24	1.2356	1.2176	1.7227	1.7
106	154	SSD	Africa	South Sudan	58	2020-05-06	1.2188	1.2157	1.7147	1.7
107	5	ARE	Asia	United Arab Emirates	664	2020-03-31	1.2206	1.2133	1.7043	1.7
108	114	MLT	Europe	Malta	38	2020-03-17	1.1882	1.2091	1.6868	1.7
109	123	NAM	Africa	Namibia	72	2020-06-23	1.2051	1.2069	1.6772	1.7
110	39	COM	Africa	Comoros	34	2020-05-20	1.2067	1.2067	1.6767	1.7
111	175	URY	South America	Uruguay	50	2020-03-17	1.2587	1.2066	1.6762	1.7
112	125	NGA	Africa	Nigeria	44	2020-03-24	1.2033	1.2055	1.6714	1.7
113	91	KHM	Asia	Cambodia	33	2020-03-17	1.2055	1.2026	1.6595	1.7
114	163	TCD	Africa	Chad	117	2020-05-03	1.1732	1.1988	1.6438	1.6
115	65	GMB	Africa	Gambia	112	2020-07-20	1.1985	1.1985	1.6427	1.6
116	29	CAF	Africa	Central African Republic	143	2020-05-13	1.1799	1.1933	1.6215	1.6
117	160	SWZ	Africa	Eswatini	31	2020-04-23	1.1803	1.1920	1.6162	1.6
118	37	COG	Africa	Congo	60	2020-04-13	1.1897	1.1897	1.6068	1.6
119	129	NPL	Asia	Nepal	102	2020-05-08	1.1964	1.1869	1.5958	1.6
120	131	OMN	Asia	Oman	55	2020-03-22	1.1895	1.1856	1.5903	1.6
121	85	JAM	North America	Jamaica	73	2020-04-13	1.1743	1.1813	1.5735	1.6
122	43	CYP	Europe	Cyprus	33	2020-03-16	1.2055	1.1808	1.5714	1.6
123	90	KGZ	Asia	Kyrgyzstan	11444	2020-07-14	1.1885	1.1802	1.5691	1.6
124	171	TWN	Asia	Taiwan	59	2020-03-15	1.1800	1.1798	1.5675	1.6
125	182	YEM	Asia	Yemen	34	2020-05-09	1.2011	1.1793	1.5658	1.6
126	156	SUR	South America	Suriname	44	2020-06-01	1.1784	1.1777	1.5595	1.6
127	149	SLE	Africa	Sierra Leone	30	2020-04-18	1.1636	1.1746	1.5474	1.5
128	75	HTI	North America	Haiti	234	2020-05-15	1.1790	1.1740	1.5449	1.5
129	151	SMR	Europe	San Marino	36	2020-03-08	1.1732	1.1732	1.5417	1.5
130	115	MMR	Asia	Myanmar	38	2020-04-11	1.1747	1.1699	1.5291	1.5
131	3	ALB	Europe	Albania	76	2020-03-21	1.1802	1.1695	1.5277	1.5
132	63	GHA	Africa	Ghana	53	2020-03-24	1.2346	1.1689	1.5254	1.5
133	141	QAT	Asia	Qatar	835	2020-04-01	1.1702	1.1687	1.5248	1.5
134	34	CIV	Africa	Cote d'Ivoire	73	2020-03-24	1.1772	1.1686	1.5241	1.5
135	87	JPN	Asia	Japan	33	2020-02-13	1.1908	1.1684	1.5234	1.5
136	94	KWT	Asia	Kuwait	317	2020-04-01	1.1597	1.1638	1.5060	1.5
137	180	VEN	South America	Venezuela	33	2020-03-17	1.1623	1.1633	1.5040	1.5
138	116	MNE	Europe	Montenegro	85	2020-03-29	1.1541	1.1629	1.5027	1.5
139	148	SGP	Asia	Singapore	3699	2020-04-15	1.1672	1.1614	1.4972	1.5
140	36	COD	Africa	Democratic Republic of Congo	51	2020-03-27	1.1640	1.1599	1.4913	1.5
141	162	SYR	Asia	Syria	58	2020-05-21	1.1584	1.1565	1.4787	1.5
142	136	PNG	Oceania	Papua New Guinea	30	2020-07-22	1.1563	1.1543	1.4708	1.5
143	60	GAB	Africa	Gabon	49	2020-04-12	1.1712	1.1538	1.4688	1.5
144	150	SLV	North America	El Salvador	32	2020-03-31	1.1414	1.1538	1.4688	1.5
145	22	BLZ	North America	Belize	56	2020-08-01	1.1528	1.1528	1.4651	1.5
146	19	BHS	North America	Bahamas	138	2020-07-18	1.1470	1.1516	1.4607	1.5
147	113	MLI	Africa	Mali	59	2020-04-08	1.1583	1.1503	1.4563	1.5
148	70	GTM	North America	Guatemala	61	2020-04-05	1.1561	1.1499	1.4547	1.5
149	72	HKG	Asia	Hong Kong	162	2020-03-17	1.1437	1.1443	1.4343	1.4
150	140	PSE	Asia	Palestine	600	2020-06-18	1.1427	1.1438	1.4327	1.4
151	81	IRQ	Asia	Iraq	71	2020-03-11	1.1180	1.1427	1.4288	1.4
152	97	LBR	Africa	Liberia	31	2020-04-08	1.1374	1.1374	1.4097	1.4

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153	118	MOZ	Africa	Mozambique	39	2020-04-21	1.1427	1.1371	1.4087	1.4
154	101	LKA	Asia	Sri Lanka	44	2020-03-17	1.1326	1.1349	1.4011	1.4
155	98	LBY	Africa	Libya	75	2020-05-25	1.1163	1.1340	1.3979	1.4
156	26	BRN	Asia	Brunei	37	2020-03-13	1.1294	1.1317	1.3899	1.4
157	155	STP	Africa	Sao Tome and Principe	251	2020-05-23	1.1278	1.1290	1.3807	1.4
158	173	UGA	Africa	Uganda	121	2020-05-11	1.1341	1.1269	1.3733	1.4
159	181	VNM	Asia	Vietnam	30	2020-03-09	1.1205	1.1231	1.3602	1.4
160	164	TGO	Africa	Togo	40	2020-04-03	1.1184	1.1204	1.3511	1.4
161	62	GEO	Asia	Georgia	40	2020-03-19	1.1184	1.1181	1.3433	1.3
162	144	RWA	Africa	Rwanda	40	2020-03-24	1.1184	1.1157	1.3353	1.3
163	56	ETH	Africa	Ethiopia	399	2020-05-21	1.1193	1.1149	1.3326	1.3
164	109	MDG	Africa	Madagascar	39	2020-03-29	1.1241	1.1132	1.3272	1.3
165	25	BRB	North America	Barbados	34	2020-03-31	1.1049	1.1126	1.3252	1.3
166	139	PRY	South America	Paraguay	239	2020-04-28	1.1063	1.1115	1.3214	1.3
167	12	BDI	Africa	Burundi	191	2020-07-11	1.0967	1.0992	1.2814	1.3
168	107	MCO	Europe	Monaco	31	2020-03-25	1.0959	1.0956	1.2698	1.3
169	40	CPV	Africa	Cape Verde	121	2020-04-30	1.0898	1.0918	1.2580	1.3
170	27	BTN	Asia	Bhutan	31	2020-05-28	1.0868	1.0868	1.2423	1.2
171	100	LIE	Europe	Liechtenstein	37	2020-03-21	1.0864	1.0864	1.2412	1.2
172	2	AGO	Africa	Angola	92	2020-06-08	1.0845	1.0814	1.2258	1.2
173	179	VCT	North America	Saint Vincent and the Grenadines	35	2020-07-16	1.0739	1.0782	1.2158	1.2
174	168	TTO	North America	Trinidad and Tobago	51	2020-03-23	1.0773	1.0710	1.1943	1.2
175	71	GUY	South America	Guyana	31	2020-04-06	1.0774	1.0707	1.1933	1.2
176	161	SYC	Africa	Seychelles	81	2020-07-06	1.0430	1.0430	1.1136	1.1
177	8	ATG	North America	Antigua and Barbuda	76	2020-07-22	1.0250	1.0250	1.0646	1.1
178	47	DMA	North America	Dominica	18	2020-08-06		1.0000	1.0000	1.0
179	58	FJI	Oceania	Fiji	27	2020-08-06		1.0000	1.0000	1.0
180	69	GRD	North America	Grenada	24	2020-08-06		1.0000	1.0000	1.0
181	92	KNA	North America	Saint Kitts and Nevis	17	2020-08-06		1.0000	1.0000	1.0
182	95	LAO	Asia	Laos	20	2020-08-06		1.0000	1.0000	1.0
183	99	LCA	North America	Saint Lucia	25	2020-08-06		1.0000	1.0000	1.0
184	167	TLS	Asia	Timor	25	2020-08-06		1.0000	1.0000	1.0
185	178	VAT	Europe	Vatican	12	2020-08-06		1.0000	1.0000	1.0