USCOVID19Analysis

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### U.S. COVID-19 Analysis from Aggregated New York Times Data

This is just a sandbox for me to evaluate the COVID-19 data that has been aggregated by the New York Times, which is available at the following GitHub location https://github.com/nytimes/covid-19-data.

Per the license agreement for the data I would like to provide the link to the U.S. tracking page for the New York Times as https://www.nytimes.com/interactive/2020/us/coronavirus-us-cases.html

Results generated from data available as of 2020-04-06.

Daily U.S. Cases

Data provided by the N.Y. Times [https://github.com/nytimes/covid–19–data]
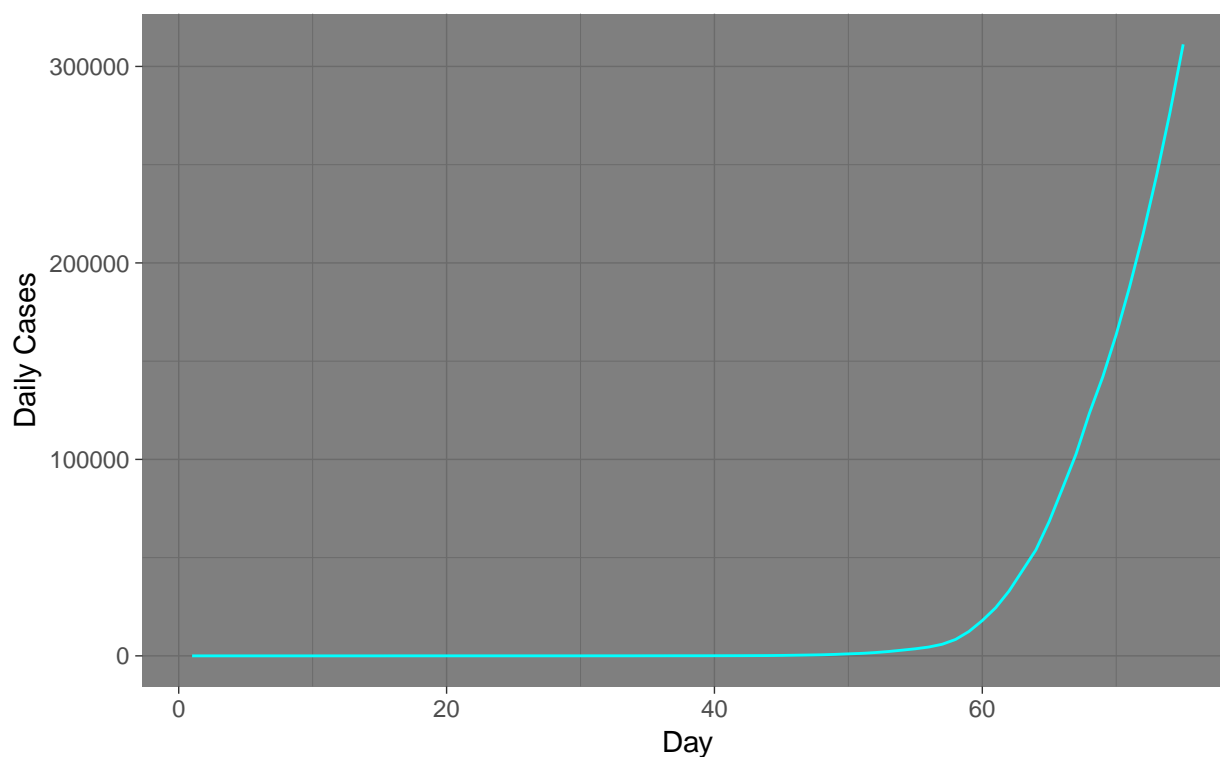
Cases in the United States

State	Cases	Deaths	%Fatal
New York	114996	3568	3.10
New Jersey	34124	847	2.48
Michigan	14225	540	3.80
California	13796	323	2.34
Louisiana	12496	412	3.30
Massachusetts	11736	216	1.84

State	Cases	Deaths	%Fatal
Florida	11537	194	1.68
Illinois	10357	248	2.39
Pennsylvania	10109	139	1.38
Washington	7498	318	4.24
Texas	6566	124	1.89
Georgia	6383	208	3.26
Connecticut	5276	165	3.13
Colorado	4574	126	2.75
Indiana	3953	116	2.93
Ohio	3739	102	2.73
Tennessee	3265	47	1.44
Maryland	3125	54	1.73
Virginia	2407	52	2.16
North Carolina	2402	30	1.25
Missouri	2291	44	1.92
Wisconsin	2112	60	2.84
Arizona	2019	53	2.63
South Carolina	1917	40	2.09
Nevada	1758	46	2.62
Alabama	1633	44	2.69
Mississippi	1455	35	2.41
Utah	1428	8	0.56
Oklahoma	1159	42	3.62
Idaho	1077	10	0.93
Oregon	999	26	2.60
Kentucky	917	40	4.36
District of Columbia	902	21	2.33
Minnesota	865	24	2.77
Rhode Island	806	17	2.11
Iowa	786	11	1.40
Arkansas	743	14	1.88
Kansas	701	21	3.00
New Hampshire	621	9	1.45
Delaware	593	14	2.36
New Mexico	543	11	2.03
Vermont	461	20	4.34
Maine	456	10	2.19
Puerto Rico	452	18	3.98
Hawaii	349	3	0.86
Nebraska	339	8	2.36
West Virginia	282	2	0.71
Montana	281	6	2.14
South Dakota	212	2	0.94
Wyoming	187	0	0.00
North Dakota	186	3	1.61
Alaska	169	3	1.78

Daily Michigan Cases
Data provided by the N.Y. Times [https://github.com/nytimes/covid–19–data]
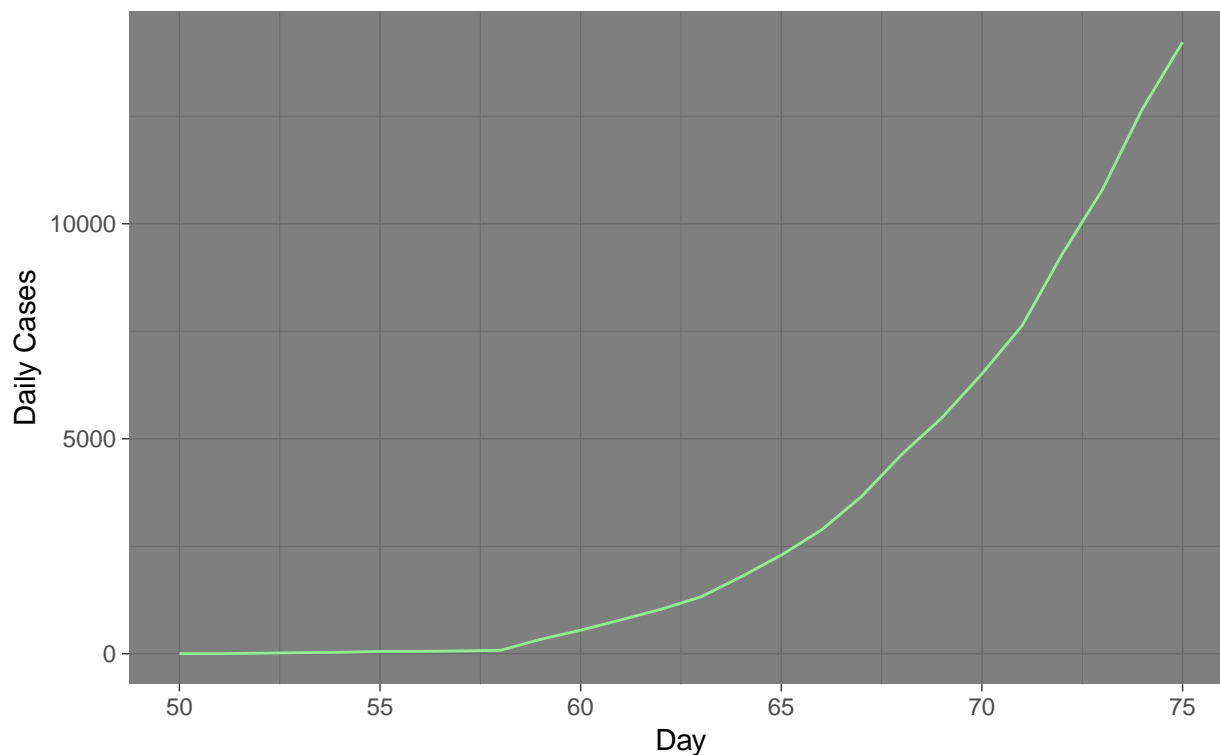
Top 15 Cases Per County

County	Cases	Deaths	%Fatal
Wayne	6762	252	3.73
Oakland	2785	142	5.10
Macomb	1838	78	4.24
Washtenaw	501	8	1.60
Genesee	464	15	3.23
Unknown	333	2	0.60
Ingham	168	1	0.60
Kent	153	3	1.96
Livingston	129	2	1.55
Saginaw	103	0	0.00
Monroe	101	0	0.00
St. Clair	85	2	2.35
Jackson	81	3	3.70
Berrien	56	1	1.79
Clinton	54	1	1.85

24 Hour Changes in Michigan Counties

County	CasesToday	DeathsToday	CasesYesterday	DeathsYesterday	%CasesChg	%DeathsChg
Allegan	10	0	6	0	40	-

County	CasesToday	DeathsToday	CasesYesterday	DeathsYesterday	%CasesChg	%DeathsChg
Antrim	4	0	4	0	0	-
Arenac	3	0	2	0	33	-
Barry	5	0	5	0	0	-
Bay	24	0	18	0	25	-
Berrien	56	1	52	1	7	0
Branch	10	1	6	0	40	100
Calhoun	34	1	31	1	9	0
Cass	6	1	6	1	0	0
Charlevoix	7	0	5	0	29	-
Cheboygan	7	1	6	0	14	100
Chippewa	1	0	1	0	0	-
Clare	2	0	2	0	0	-
Clinton	54	1	49	1	9	0
Crawford	1	0	1	0	0	-
Delta	5	0	5	0	0	-
Dickinson	1	1	1	1	0	0
Eaton	53	2	47	2	11	0
Emmet	7	2	6	2	14	0
Genesee	464	15	422	11	9	27
Gladwin	3	0	2	0	33	-
Gogebic	3	1	3	1	0	0
Grand Traverse	12	3	11	2	8	33
Gratiot	5	0	5	0	0	-
Hillsdale	37	3	26	2	30	33
Houghton	2	0	1	0	50	-
Huron	4	0	4	0	0	-
Ingham	168	1	152	1	10	0
Ionia	6	0	6	0	0	-
Iosco	2	1	1	0	50	100
Isabella	10	2	9	2	10	0
Jackson	81	3	69	3	15	0
Kalamazoo	45	3	40	1	11	67
Kalkaska	8	1	8	1	0	0
Kent	153	3	136	2	11	33
Lapeer	27	0	22	0	19	-
Leelanau	1	0	1	0	0	-
Lenawee	27	0	24	0	11	-
Livingston	129	2	121	2	6	0
Luce	1	0	1	0	0	-
Mackinac	2	0	2	0	0	-
Macomb	1838	78	1560	65	15	17
Manistee	4	0	1	0	75	-
Marquette	11	1	7	0	36	100
Mecosta	4	1	4	1	0	0
Midland	17	0	16	0	6	-
Missaukee	1	1	1	1	0	0
Monroe	101	0	95	0	6	-
Montcalm	13	0	12	0	8	-
Muskegon	31	2	30	2	3	0
Newaygo	2	0	2	0	0	-
Oakland	2785	142	2540	136	9	4
Oceana	3	0	3	0	0	-

County	CasesToday	DeathsToday	CasesYesterday	DeathsYesterday	%CasesChg	%DeathsChg
Ogemaw	2	0	2	0	0	-
Osceola	4	0	3	0	25	-
Oscoda	2	0	2	0	0	-
Otsego	22	1	20	0	9	100
Ottawa	39	0	37	0	5	-
Presque Isle	NA	NA	1	0	NA	NA
Roscommon	2	0	2	0	0	-
Saginaw	103	0	90	0	13	-
Sanilac	13	1	10	1	23	0
Shiawassee	22	0	18	0	18	-
St. Clair	85	2	66	0	22	100
St. Joseph	9	0	10	0	-11	-
Tuscola	20	2	15	2	25	0
Unknown	333	1	215	1	35	0
Van Buren	12	1	12	1	0	0
Washtenaw	501	8	477	8	5	0
Wayne	6762	252	6096	223	10	12
Wexford	4	0	4	0	0	-