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 2020-04-08.

Daily U.S. Cases

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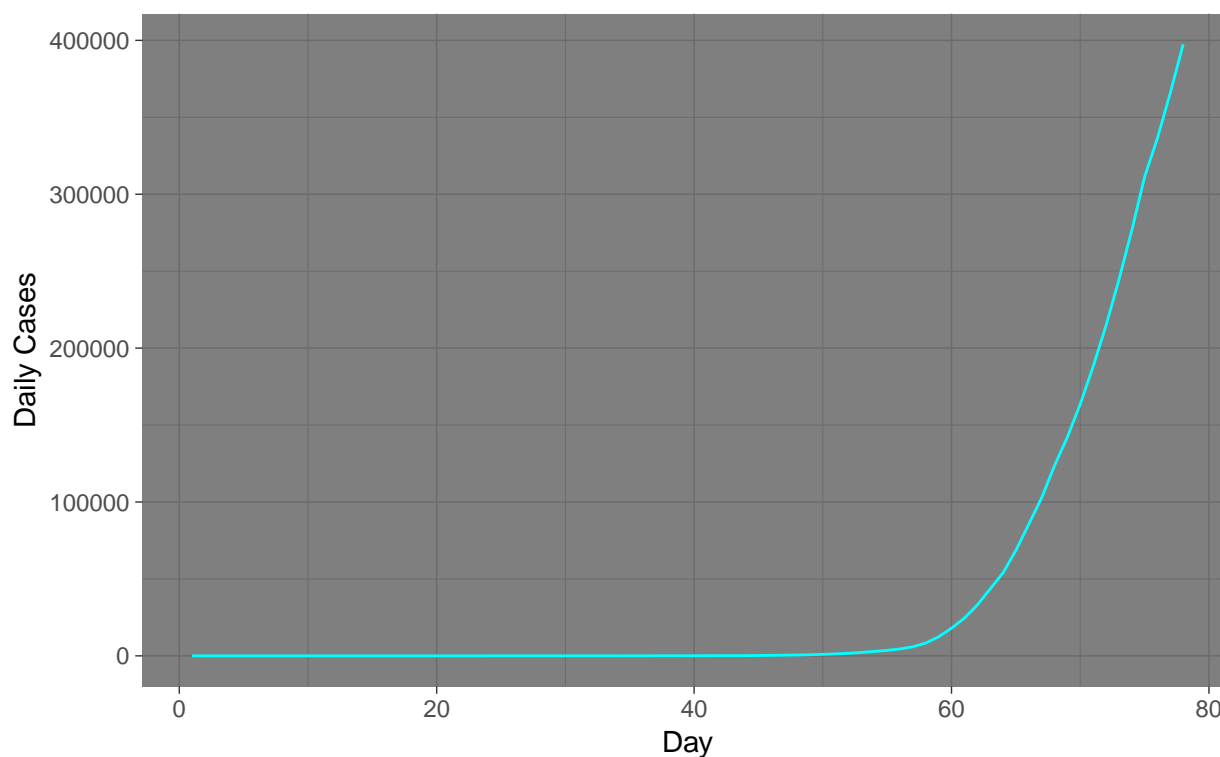
Cases in the United States

State	Cases	Deaths	%Fatal
New York	140081	5563	3.97
New Jersey	44416	1232	2.77
Michigan	18852	845	4.48
California	17540	447	2.55
Louisiana	16284	582	3.57
Massachusetts	15202	356	2.34

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State	Cases	Deaths	%Fatal
Florida	14739	295	2.00
Pennsylvania	14582	240	1.65
Illinois	13549	384	2.83
Georgia	9156	348	3.80
Texas	8974	178	1.98
Washington	8682	409	4.71
Connecticut	7781	277	3.56
Indiana	5507	173	3.14
Colorado	5429	179	3.30
Ohio	4782	167	3.49
Maryland	4371	104	2.38
Tennessee	4010	72	1.80
Virginia	3333	69	2.07
North Carolina	3220	50	1.55
Missouri	3037	79	2.60
Wisconsin	2578	94	3.65
Arizona	2575	77	2.99
South Carolina	2417	51	2.11
Alabama	2197	64	2.91
Nevada	2101	60	2.86
Mississippi	1915	59	3.08
Utah	1752	13	0.74
Oklahoma	1472	67	4.55
Kentucky	1289	66	5.12
Rhode Island	1229	30	2.44
District of Columbia	1211	24	1.98
Idaho	1210	15	1.24
Oregon	1181	33	2.79
Minnesota	1069	34	3.18
Iowa	1048	26	2.48
Arkansas	997	18	1.81
Delaware	928	16	1.72
Kansas	905	30	3.31
New Mexico	794	13	1.64
New Hampshire	747	13	1.74
Vermont	575	23	4.00
Puerto Rico	573	23	4.01
Maine	519	12	2.31
Nebraska	490	12	2.45
West Virginia	412	4	0.97
Hawaii	408	5	1.23
South Dakota	320	6	1.88
Montana	319	6	1.88
North Dakota	237	4	1.69
Wyoming	221	0	0.00
Alaska	211	4	1.90

Daily Michigan Cases

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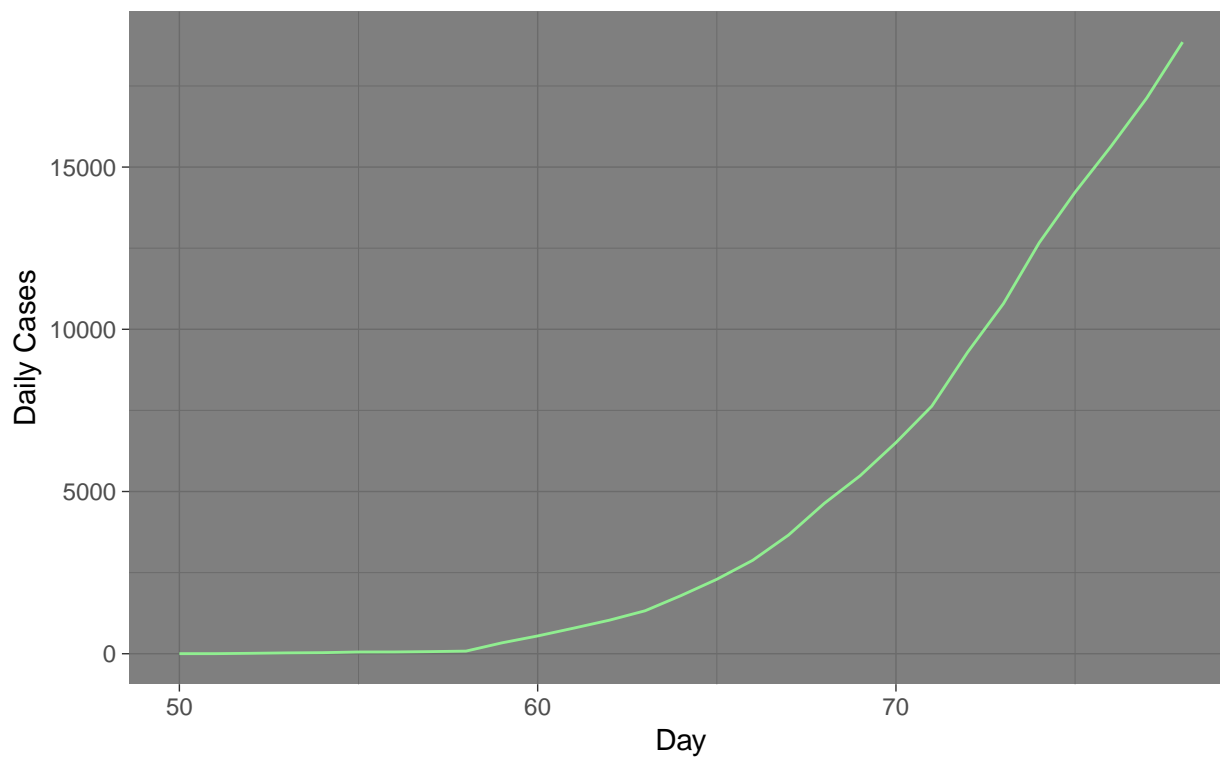
Top 15 Cases Per County

County	Cases	Deaths	%Fatal
Wayne	9045	402	4.44
Oakland	3736	205	5.49
Macomb	2414	121	5.01
Genesee	638	33	5.17
Washtenaw	561	12	2.14
Unknown	405	2	0.49
Ingham	189	2	1.06
Kent	187	7	3.74
Livingston	155	2	1.29
Saginaw	153	3	1.96
Monroe	129	0	0.00
St. Clair	129	3	2.33
Jackson	114	4	3.51
Clinton	73	1	1.37
Berrien	64	2	3.12
Kalamazoo	64	5	7.81

24 Hour Changes in Michigan Counties

County	CasesToday	DeathsToday	CasesYesterday	DeathsYesterday	%CasesChg	%DeathsChg
Allegan	18	0	15	0	17	-
Antrim	6	0	5	0	17	-
Arenac	3	0	3	0	0	-
Barry	7	0	7	0	0	-
Bay	31	0	30	0	3	-
Berrien	64	2	60	2	6	0
Branch	16	1	15	1	6	0
Calhoun	43	1	41	1	5	0
Cass	9	1	7	1	22	0
Charlevoix	8	0	8	0	0	-
Cheboygan	10	1	8	1	20	0
Chippewa	1	0	1	0	0	-
Clare	3	0	3	0	0	-
Clinton	73	1	56	1	23	0
Crawford	5	1	2	0	60	100
Delta	7	0	7	0	0	-
Dickinson	2	1	2	1	0	0
Eaton	61	2	57	2	7	0
Emmet	14	2	13	2	7	0
Genesee	638	33	568	26	11	21
Gladwin	4	0	4	0	0	-
Gogebic	3	1	3	1	0	0
Grand Traverse	15	3	14	3	7	0
Gratiot	6	0	5	0	17	-
Hillsdale	55	4	46	3	16	25
Houghton	1	0	1	0	0	-
Huron	4	0	4	0	0	-
Ingham	189	1	178	1	6	0
Ionia	9	1	8	0	11	100
Iosco	4	1	3	1	25	0
Isabella	22	2	16	2	27	0
Jackson	114	4	103	4	10	0
Kalamazoo	64	5	58	3	9	40
Kalkaska	10	2	8	2	20	0
Kent	187	7	177	5	5	29
Lapeer	56	3	49	0	12	100
Leelanau	3	0	2	0	33	-
Lenawee	32	0	32	0	0	-
Livingston	155	2	143	2	8	0
Luce	1	0	1	0	0	-
Mackinac	3	0	2	0	33	-
Macomb	2414	121	2159	100	11	17
Manistee	9	0	6	0	33	-
Marquette	19	2	15	2	21	0
Mason	1	0	NA	NA	NA	NA
Mecosta	8	1	6	1	25	0
Midland	22	0	22	0	0	-
Missaukee	1	1	1	1	0	0
Monroe	129	0	117	0	9	-
Montcalm	16	1	15	0	6	100
Muskegon	41	4	33	4	20	0
Newaygo	3	0	2	0	33	-

County	CasesToday	DeathsToday	CasesYesterday	DeathsYesterday	%CasesChg	%DeathsChg
Oakland	3736	205	3380	185	10	10
Oceana	3	1	3	0	0	100
Ogemaw	3	0	3	0	0	-
Ontonagon	1	0	1	0	0	-
Osceola	3	0	3	0	0	-
Oscoda	2	0	2	0	0	-
Otsego	28	2	26	2	7	0
Ottawa	52	0	44	0	15	-
Presque Isle	1	0	1	0	0	-
Roscommon	6	0	5	0	17	-
Saginaw	153	3	139	2	9	33
Sanilac	17	2	14	2	18	0
Shiawassee	24	0	24	0	0	-
St. Clair	129	3	110	3	15	0
St. Joseph	14	0	11	0	21	-
Tuscola	26	2	22	2	15	0
Unknown	405	0	367	1	9	-Inf
Van Buren	17	1	16	1	6	0
Washtenaw	561	12	543	10	3	17
Wayne	9045	402	8270	346	9	14
Wexford	7	0	5	0	29	-