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Covid-19 Data: Analysis

Insight into COVID-19: active cases, recoveries, deaths.

Dataset

- Data is in CSV format and updated daily. It is sourced from the upstream repository maintained by the amazing team at Johns Hopkins University Center for Systems Science and Engineering (CSSE) who have been doing a great public service from an early point by collating data from around the world.

	Country	Confirmed	Deaths	Recovered	Active	New Cases	Deaths / 100 Cases	Recovered / 100 Cases	Deaths / 100 Recovered	Population	Cases / Million People	Confirmed last week	1 week change	1 week % increase
0	Afghanistan	156071	7262	0	148809	31	4.65	0.0	0.0	38928341	4009.0	155801	270	0.17
1	Albania	182610	2888	0	179722	650	1.58	0.0	0.0	2877800	63455.0	178804	3806	2.13
2	Algeria	205990	5899	0	200091	87	2.86	0.0	0.0	43851043	4697.0	205453	537	0.26
3	Andorra	15425	130	0	15295	0	0.84	0.0	0.0	77265	199638.0	15369	56	0.36
4	Angola	64033	1702	0	62331	103	2.66	0.0	0.0	32866268	1948.0	63197	836	1.32
5	Antigua and Barbuda	4031	99	0	3932	0	2.46	0.0	0.0	97928	41163.0	3918	113	2.88
6	Argentina	5283000	115866	0	5167134	1415	2.19	0.0	0.0	45195777	116891.0	5274766	8234	0.16
7	Armenia	298069	6112	0	291957	1517	2.05	0.0	0.0	2963234	100589.0	284237	13832	4.87
8	Australia	163866	1669	0	162197	1850	1.02	0.0	0.0	50919400	3218.0	149398	14468	9.68
9	Austria	804825	11279	0	793546	3369	1.40	0.0	0.0	9006400	89361.0	780269	24556	3.15

Worldwide Total Confirmed, Recovered and Deaths
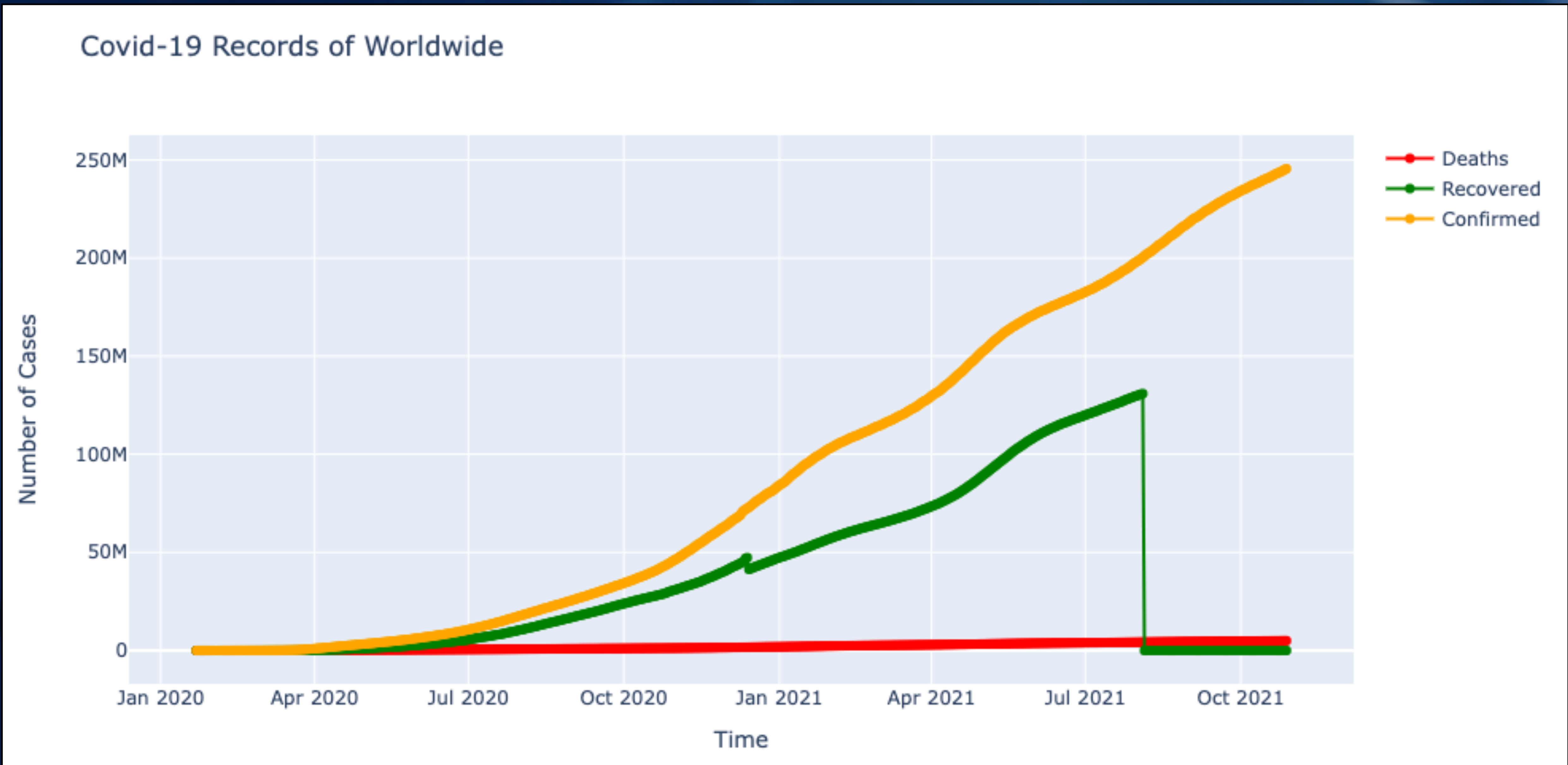
Total Cases on Ships

	Date	Province/State	Country	Lat	Long	Confirmed	Recovered	Deaths	Active
27131	2021-10-28 00:00:00	Diamond Princess	Canada	0.000000	0.000000	0	0	1	-1
27777	2021-10-28 00:00:00	Grand Princess	Canada	0.000000	0.000000	13	0	0	13
68475	2021-10-28 00:00:009		Diamond Princess	0.000000	0.000000	712	0	13	699
112403	2021-10-28 00:00:00		MS Zaandam	0.000000	0.000000	9	0	2	7

Cases over the Time with Area Plot
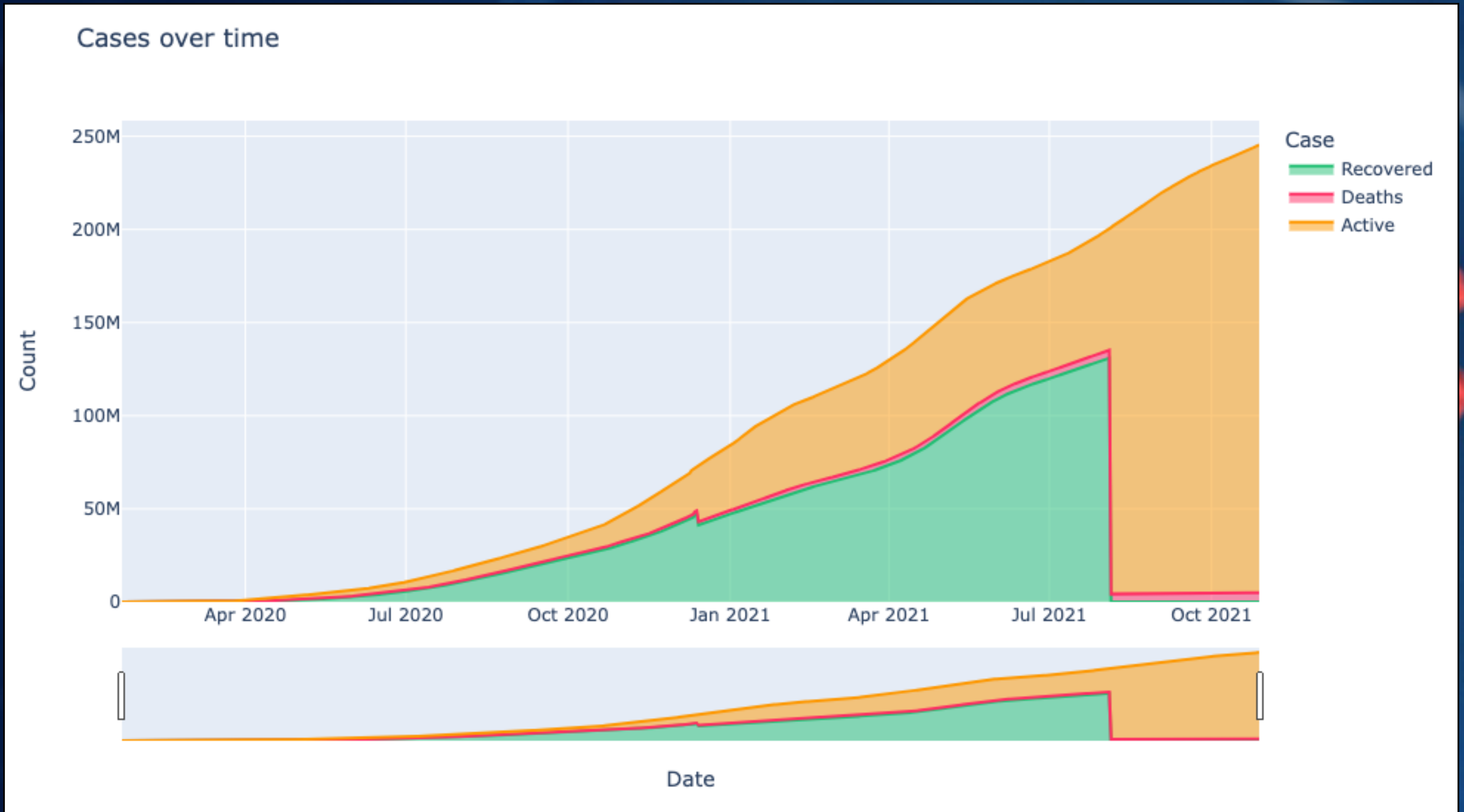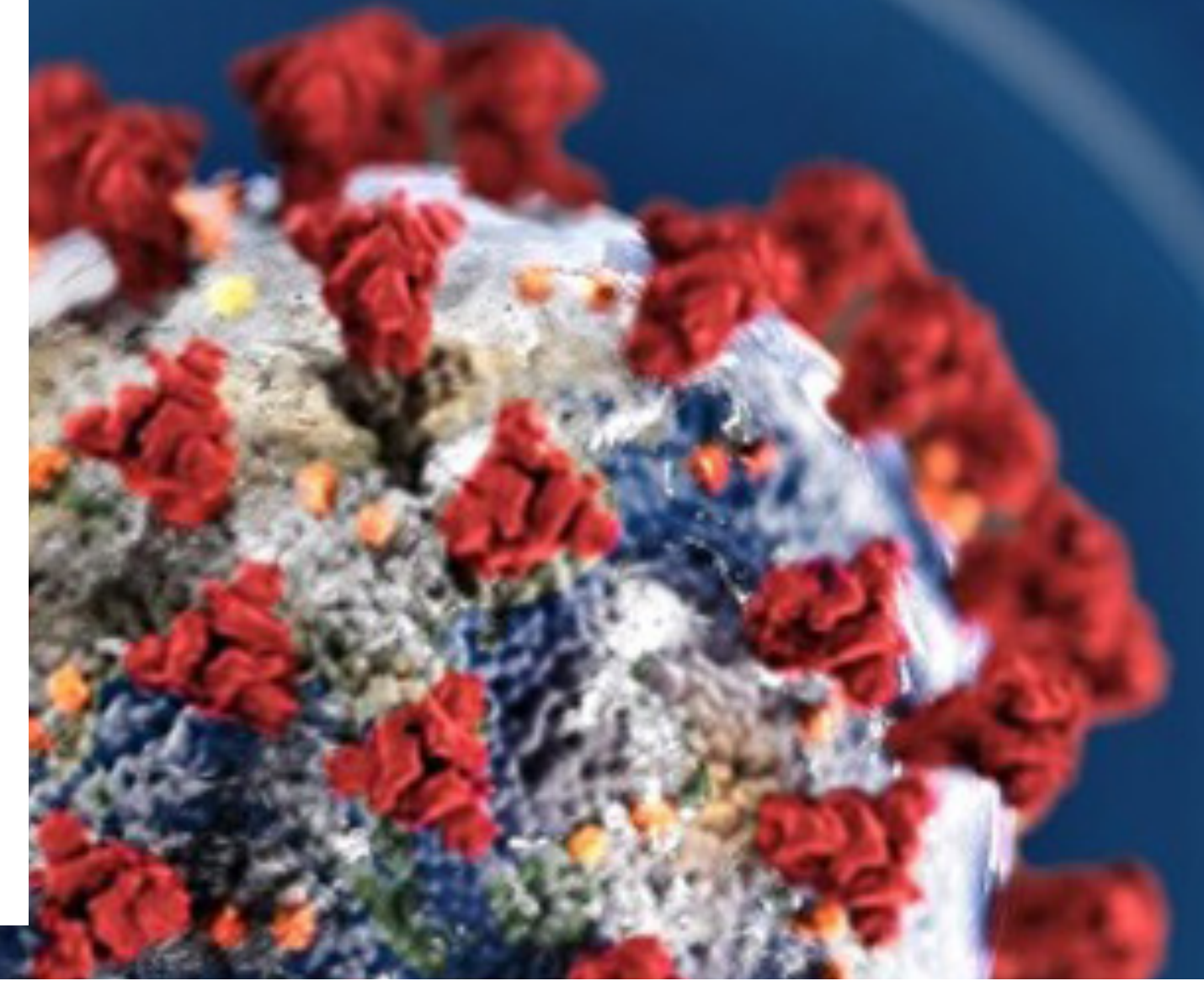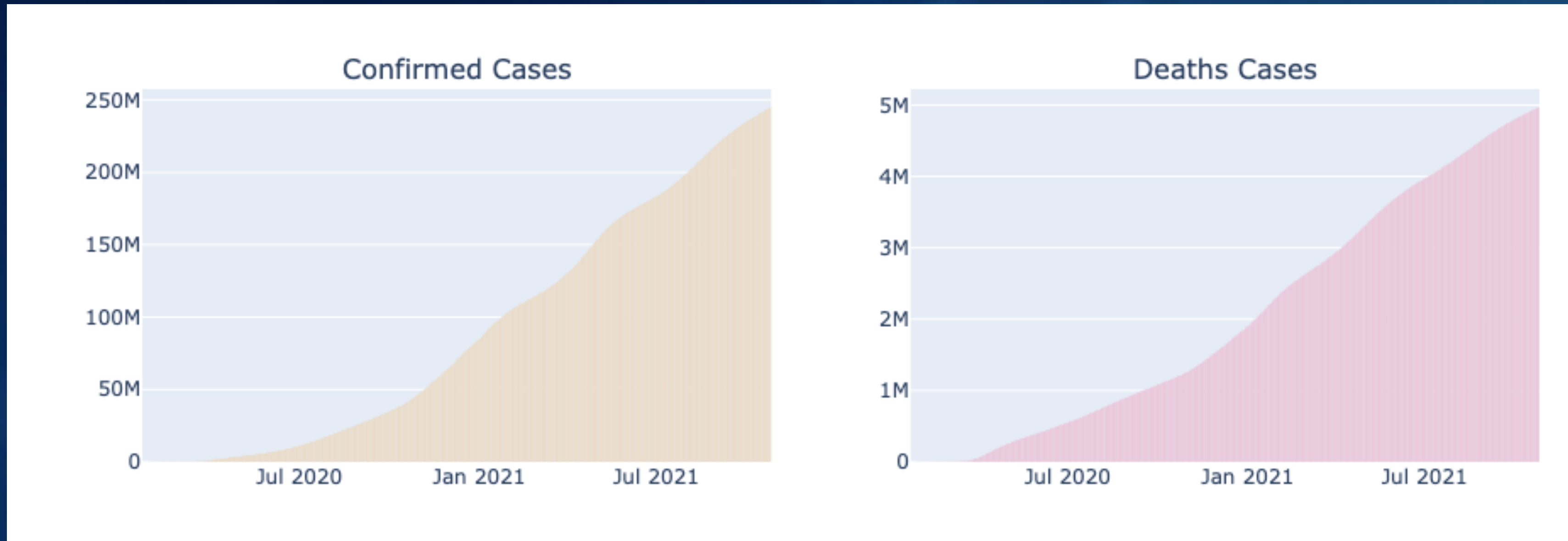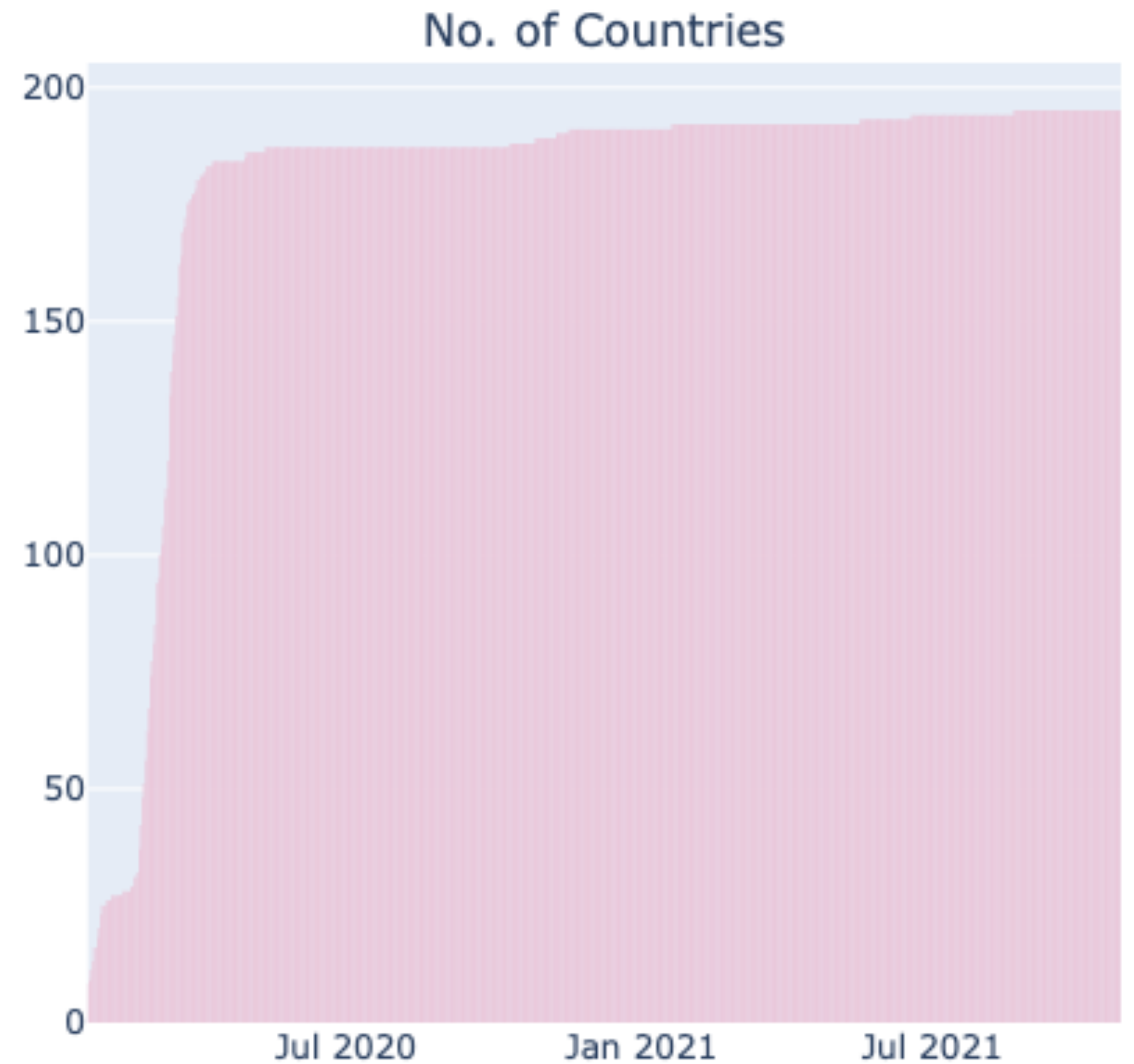
Folium Maps
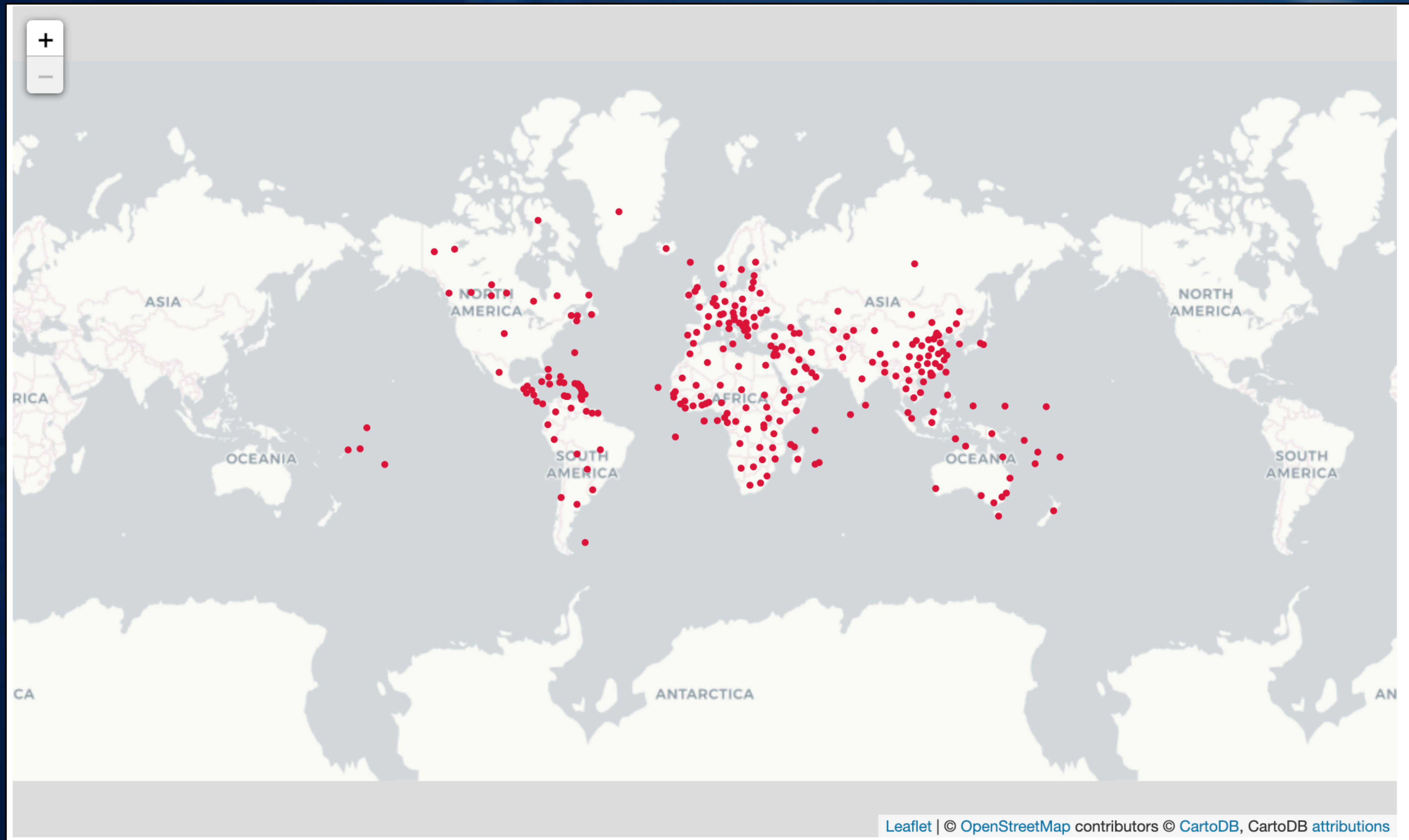
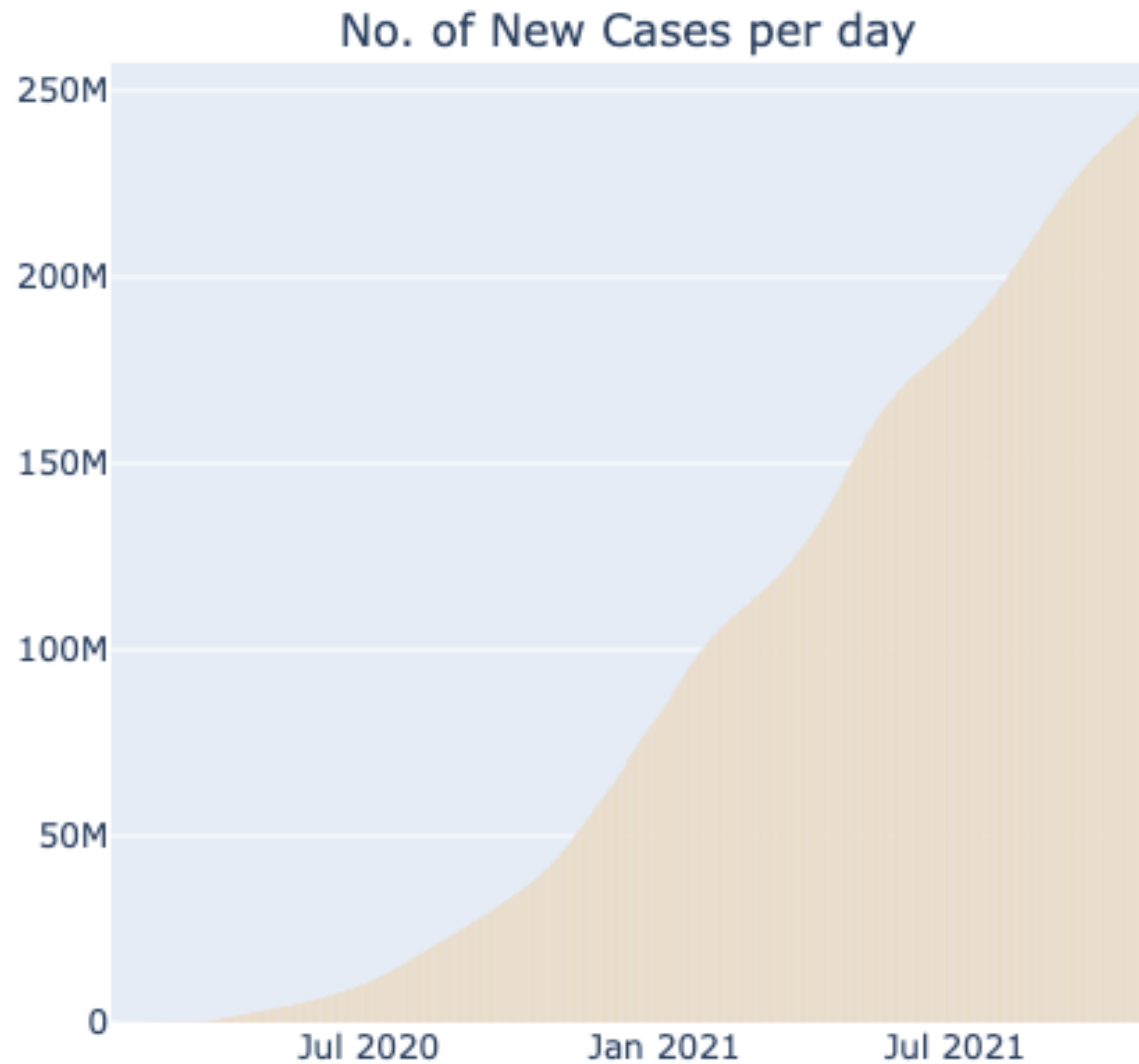# Confirmed Cases with Choropleth Map
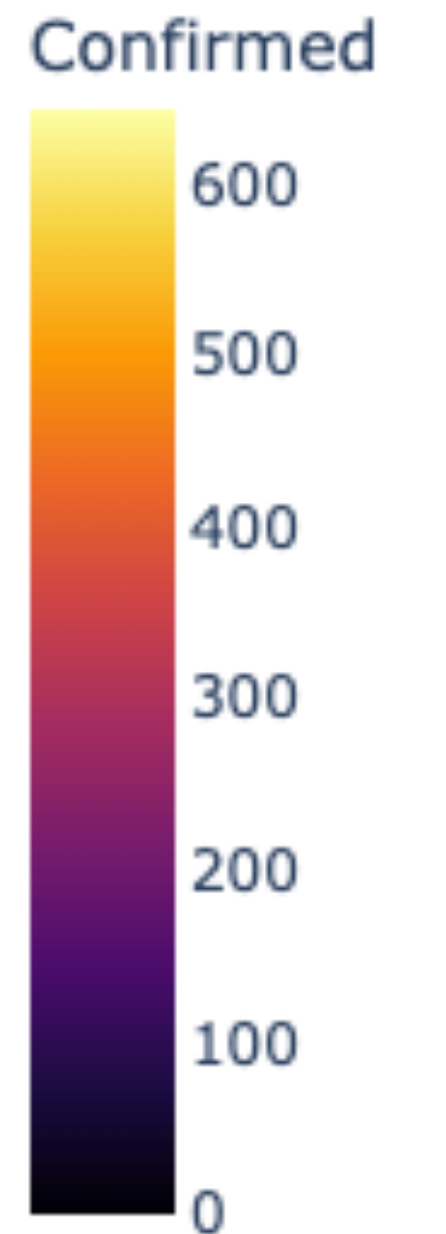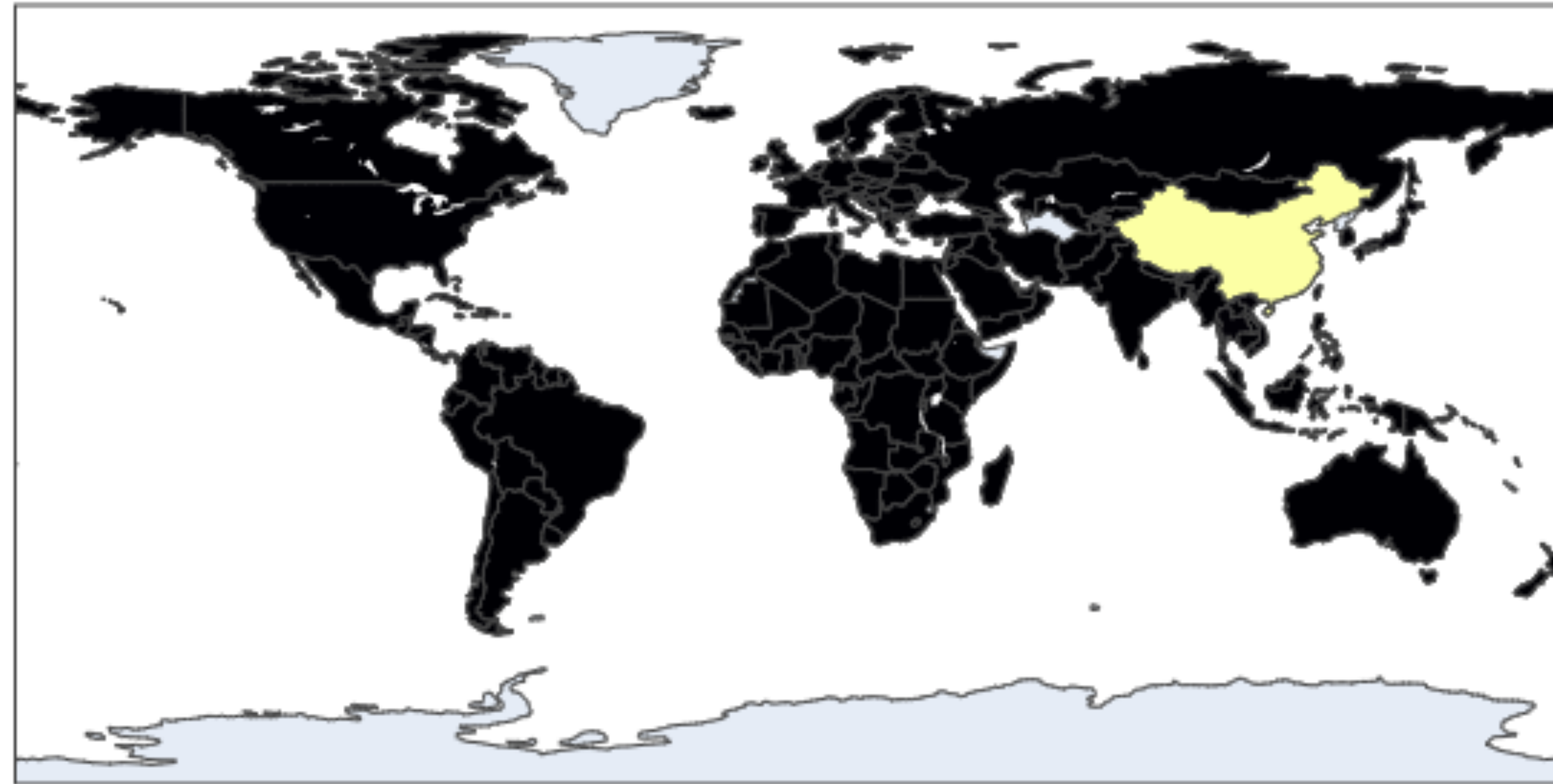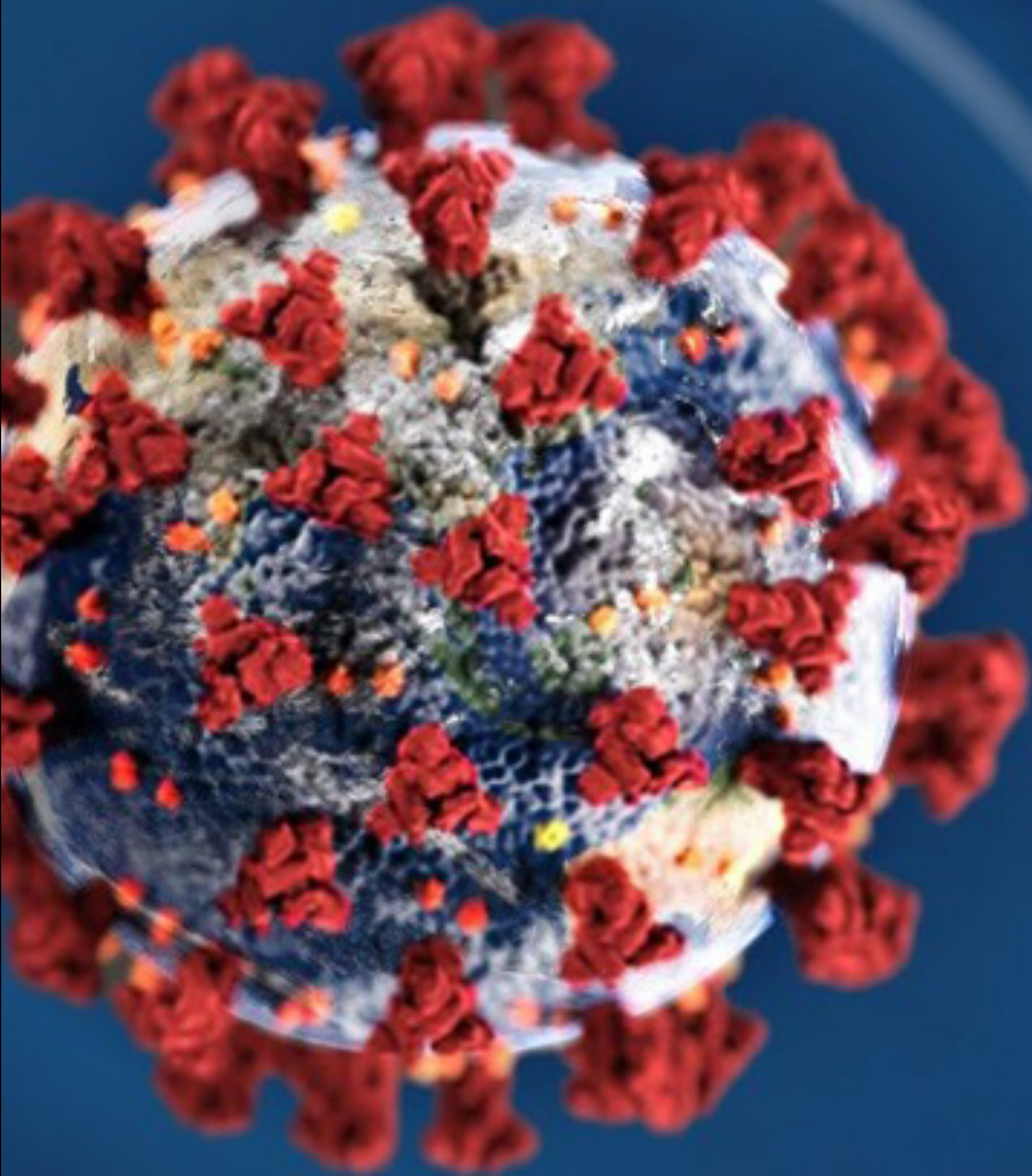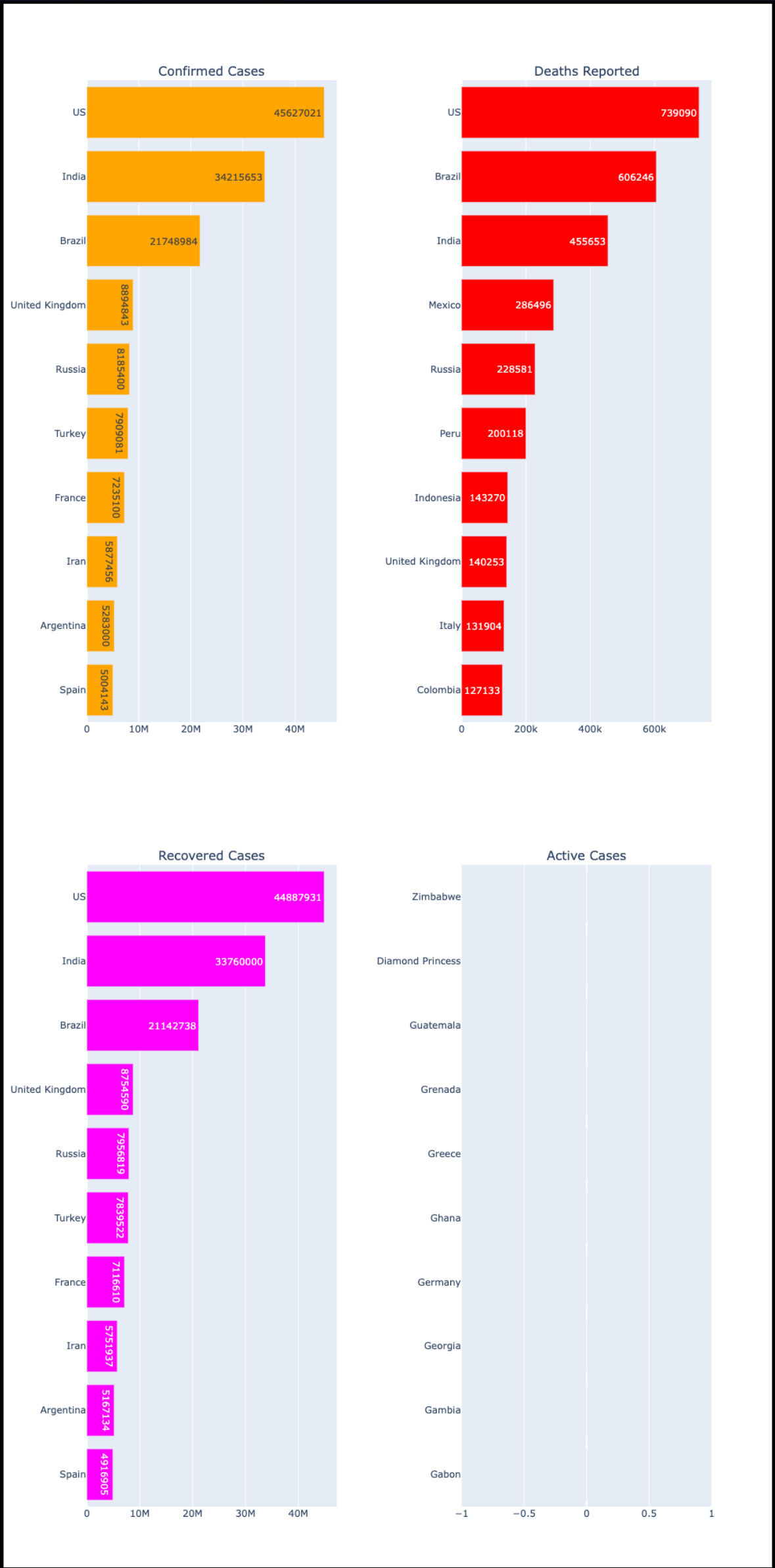
Deaths and Recoveries per 100 Cases

New Cases and Number of Countries
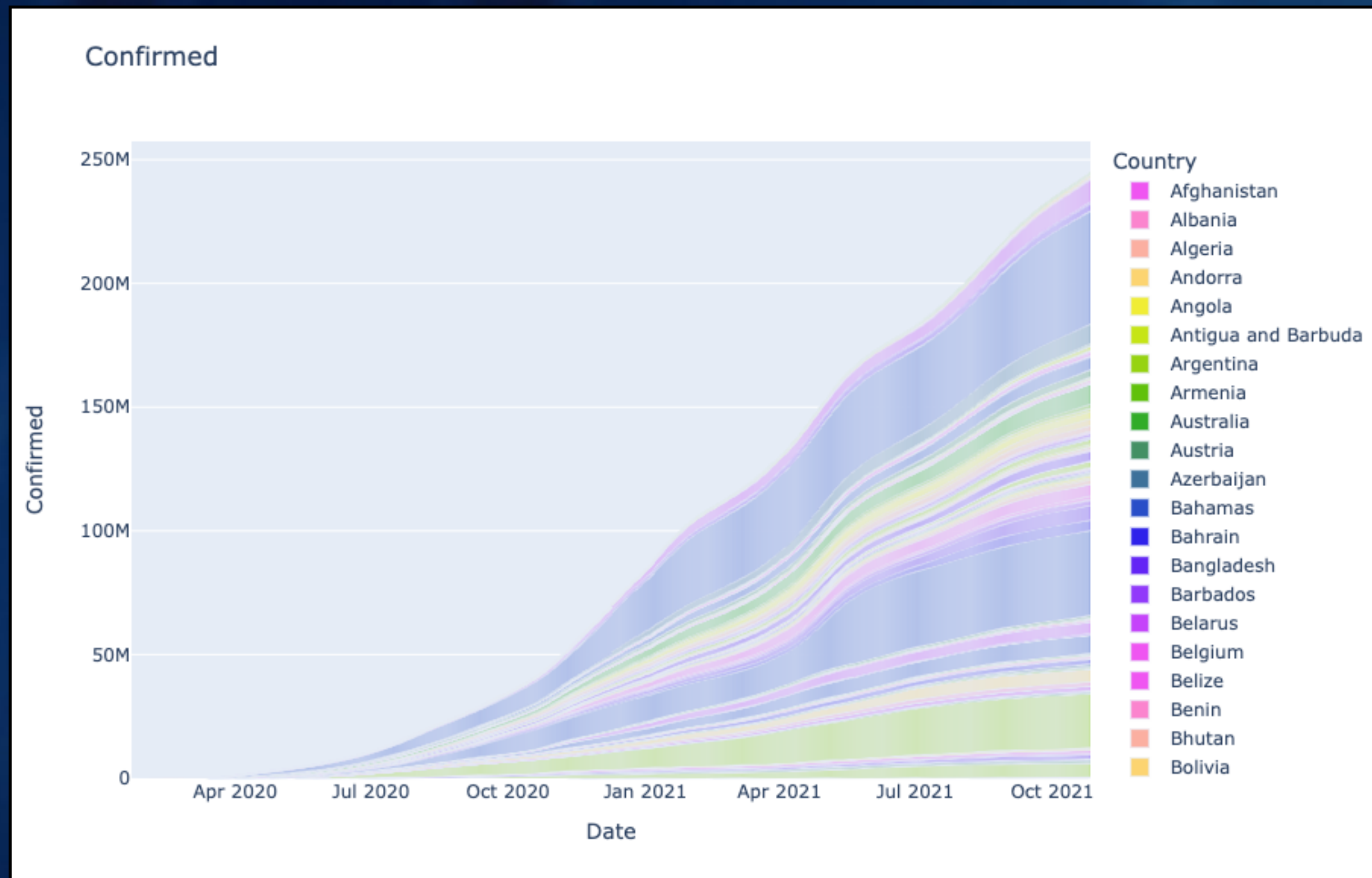
Top 15 Countries Case Analysis

Scatter Plot for Deaths Vs Confirmed Cases

Deaths vs Confirmed Cases (Cases are on log10 scale)

Confirmed, Deaths, New Cases vs Country and Date

New Cases

Country
- Afghanistan
- Albania
- Algeria
- Andorra
- Angola
- Antigua and Barbuda
- Argentina
- Armenia
- Australia
- Austria
- Azerbaijan
- Bahamas
- Bahrain
- Bangladesh
- Barbados
- Belarus
- Belgium
- Belize
- Benin
- Bhutan
- Bolivia

Pie chart percentages:
- Russia 4.8%
- Turkey 4.6%
- France 4.2%
- Iran 3.4%
- Argentina 3.1%
- Spain 2.9%
- Colombia 2.9%
- Italy 2.8%
- Germany 2.6%
- Indonesia 2.5%
- Mexico 2.2%
- United Kingdom 5.2%
- Brazil 12.6%
- India 19.9%
- US 26.5%

Heat Map on World Map

Worldwide Covid_19 Cases

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Date=2020-01-22

2020-01-22   2020-04-05   2020-06-18   2020-08-31   2020-11-13   2021-01-26   2021-04-10   2021-06-23   2021-09-05
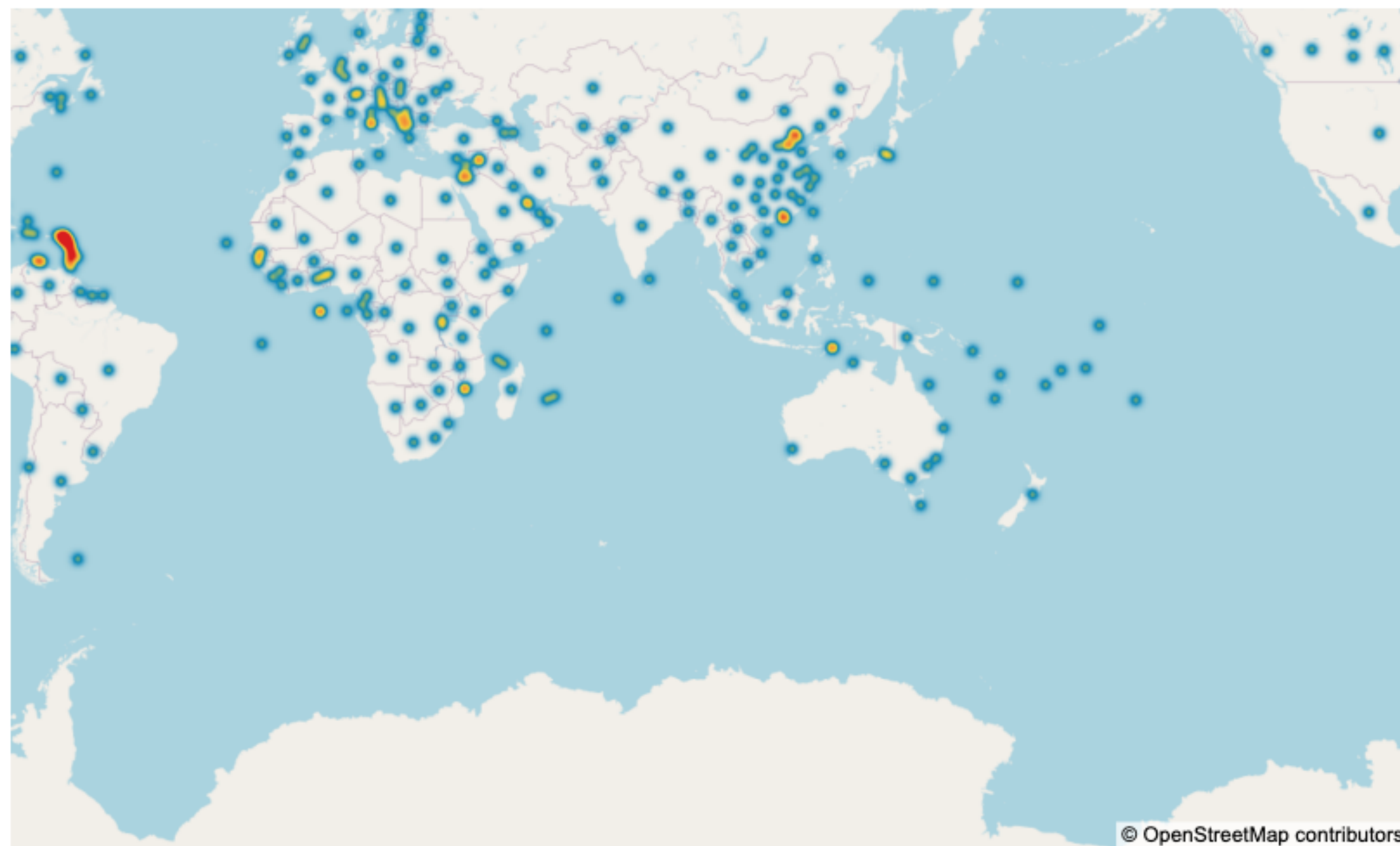
References

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- BNO News: https://bnonews.com/index.php/2020/02/the-latest-coronavirus-cases/

- National Health Commission of the People's Republic of China (NHC): http://www.nhc.gov.cn/xcs/yqtb/list_gzbd.shtml

- China CDC (CCDC): http://weekly.chinacdc.cn/news/TrackingtheEpidemic.htm

- Hong Kong Department of Health: https://www.chp.gov.hk/en/features/102465.html

- Macau Government: https://www.ssm.gov.mo/portal/

- Taiwan CDC: https://sites.google.com/cdc.gov.tw/2019ncov/taiwan?authuser=0

- US CDC: https://www.cdc.gov/coronavirus/2019-ncov/index.html

- Government of Canada: https://www.canada.ca/en/public-health/services/diseases/coronavirus.html

- Australia Government Department of Health: https://www.health.gov.au/news/coronavirus-update-at-a-glance

- European Centre for Disease Prevention and Control (ECDC): https://www.ecdc.europa.eu/en/geographical-distribution-2019-ncov-cases

- Ministry of Health Singapore (MOH): https://www.moh.gov.sg/covid-19

- Italy Ministry of Health: http://www.salute.gov.it/nuovocoronavirus

- https://github.com/laxmimerit/Covid-19-Preprocessed-Dataset

Thank You