# Covid-19 Case Analysis

Zhou Sun Jinfa Zhu

### Data Sets - US cases

) Search this file...

	Province_State	Country_Region	Last_Update	Lat	Long_	Confirmed	Deaths	Recovered	Active	FIPS	Incident_Rate	People_Tested	People_Hospitalized	Mortali
200	Alabama	US	2020-09-11 04:30:23	32.3182	-86.9023	135565	2301	54223.0	79041.0	1.0	2764.8355099797377	1005738.0		1.69734
	Alaska	US	2020-09-11 04:30:23	61.3707	-152.4044	6012	42	2351.0	3619.0	2.0	821.8223075818986	393077.0		0.69860
	American Samoa	US	2020-09-11 04:30:23	-14.271	-170.132	0	0		0.0	60.0	0.0	1571.0		
5	Arizona	US	2020-09-11 04:30:23	33.7298	-111.4312	207002	5273	32310.0	169419.0	4.0	2843.9352704604403	1272734.0		2.54731
	Arkansas	US	2020-09-11 04:30:23	34.9697	-92.3731	66804	940	60668.0	5196.0	5.0	2213.662650059447	797178.0		1.40710
7	California	US	2020-09-11 04:30:23	36.1162	-119.6816	750961	14077		736884.0	6.0	1900.5789676779261	12389991.0		1.87453
3	Colorado	US	2020-09-11 04:30:23	39.0598	-105.3111	60155	1979	6102.0	52074.0	8.0	1044.5868676737396	1079276.0		3.28983
9	Connecticut	US	2020-09-11 04:30:23	41.5978	-72.7554	54093	4478	9142.0	40473.0	9.0	1517.2130602669574	1309460.0		8.27833
9	Delaware	US	2020-09-11 04:30:23	39.3185	-75.5071	18466	613	10027.0	7826.0	10.0	1896.352709691465	256698.0		3.31961
1	Diamond Princess	US	2020-09-11 04:30:23			49	0		49.0	88888.0				0.0
	District of Columbia	US	2020-09-11 04:30:23	38.8974	-77.0268	14412	616	11498.0	2298.0	11.0	2042.085784039368	319188.0		4.27421
	Florida	US	2020-09-11 04:30:23	27.7663	-81.6868	654731	12326		642405.0	12.0	3048.417065540937	4850259.0		1.88260
1	Georgia	US	2020-09-11 04:30:23	33.0406	-83.6431	289123	6204		282919.0	13.0	2723.0995694529643	2542594.0		2.14579
	Grand Princess	US	2020-09-11 04:30:23			103	3		100.0	99999.0				2.91262
	Guam	US	2020-09-11 04:30:23	13.4443	144.7937	1846	21	1081.0	744.0	66.0	1124.0402121428006	42618.0		1.13759

# Data Set - World Case

Province/State	Country/Region	Lat	Long	1/22/20	1/23/20	1/24/20	1/25/20	1/26/20	1/27/20	1/28/20	1/29/20	1/30/20	1/31/20	2/
	Thailand	15.0	101.0	2	3	5	7	8	8	14	14	14	19	19
	Japan	36.0	138.0	2	1	2	2	4	4	7	7	11	15	20
	Singapore	1.2833	103.8333	0	1	3	3	4	5	7	7	10	13	16
	Nepal	28.1667	84.25	0	0	0	1	1	1	1	1	1	1	1
	Malaysia	2.5	112.5	0	0	0	3	4	4	4	7	8	8	8
British Columbia	Canada	49.2827	-123.1207	0	0	0	0	0	0	1	1	1	1	1
New South Wales	Australia	-33,8688	151.2093	0	0	0	0	3	4	4	4	4	4	4
Victoria	Australia	-37.8136	144.9631	0	0	0	0	1	1	1	1	2	3	4
Queensland	Australia	-28.0167	153.4	0	0	0	0	0	0	0	1	3	2	3
	Cambodia	11.55	104.9167	0	0	0	0	0	1	1	1	1	1	1
	Sri Lanka	7.0	81.0	0	0	0	0	0	1	1	1	1	1	1
	Germany	51.0	9.0	0	0	0	0	0	1	4	4	4	5	8
	Finland	64.0	26.0	0	0	0	0	0	0	0	1	1	1	1
	United Arab Emirates	24.0	54.0	0	0	0	0	0	0	0	4	4	4	4
	22000 20	14.4	1222	- 2	1.2	-20	23	2	12	1020	-23	12	109	12

# Challenges

- 1. Missing Data
- 2. Inconsistent Format
- 3. Data Visualization
- 4. Search Function

#### DataBase to use





# Skills







