Winfred

Data Understanding_Overall

Part I

Data Quality

	US Total Confirmed	Japan Total Confirmed	Italy Total Confirmed	China Total Confirmed	Iran Total Confirmed	South Korea Total Confirmed	
1/22/20	1	2	0	548	0	0	
1/23/20	1	1	0	643	0	0	
1/24/20	2	2	0	920	0	0	
1/25/20	2	2	0	1406	0	0	
1/26/20	5	4	0	2075	0	0	
1/27/20	5	4	0	2877	0	0	

- Data is incomplete.
- Countries like US, Japan, China don't have the first case occurrence data.
- Cannot do the 'day 1' analysis.

Part II

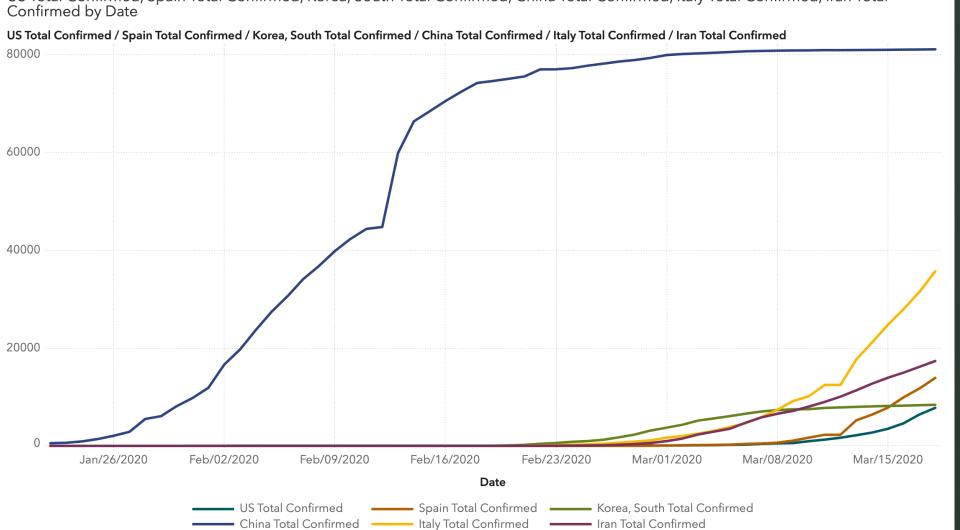
Overall Comparison Between Countries

	US Total Confirmed	Japan Total Confirmed	Italy Total Confirmed	China Total Confirmed	Iran Total Confirmed	Spain Total Confirmed	Korea, South Total Confirmed	US Total Deaths	Japan Total Deaths	Italy Total Deaths	 Italy Mortality Rate	Italy Recovery Rate	China Mortality Rate	China Recover Rata
1/22/20	1	2	0	548	0	0	1	0	0	0	 NaN	NaN	0.031022	0.05109
1/23/20	1	1	0	643	0	0	1	0	0	0	 NaN	NaN	0.027994	0.046656
1/24/20	2	2	0	920	0	0	2	0	0	0	 NaN	NaN	0.028261	0.039130
1/25/20	2	2	0	1406	0	0	2	0	0	0	 NaN	NaN	0.029872	0.027738
1/26/20	5	4	0	2075	0	0	3	0	0	0	 NaN	NaN	0.026988	0.023614
1/27/20	5	4	0	2877	0	0	4	0	0	0	 NaN	NaN	0.028502	0.02016(
1/28/20	5	7	0	5509	0	0	4	0	0	0	 NaN	NaN	0.023779	0.018334
1/29/20	5	7	0	6087	0	0	4	0	0	0	 NaN	NaN	0.021850	0.01971،
1/30/20	5	11	0	8141	0	0	4	0	0	0	 NaN	NaN	0.021005	0.01658
1/31/20	7	15	2	9802	0	0	11	0	0	0	 0.000000	0.000000	0.021730	0.021832
2/1/20	8	20	2	11891	0	1	12	0	0	0	 0.000000	0.000000	0.021781	0.023127
2/2/20	8	20	2	16630	0	1	15	0	0	0	 0.000000	0.000000	0.021708	0.02784 ⁻
2/3/20	11	20	2	19716	0	1	15	0	0	0	 0.000000	0.000000	0.021556	0.031142
2/4/20	11	22	2	23707	0	1	16	0	0	0	 0.000000	0.000000	0.020711	0.035559
2/5/20	11	22	2	27440	0	1	19	0	0	0	 0.000000	0.000000	0.020517	0.040634
2/6/20	11	45	2	30587	0	1	23	0	0	0	 0.000000	0.000000	0.020695	0.04828

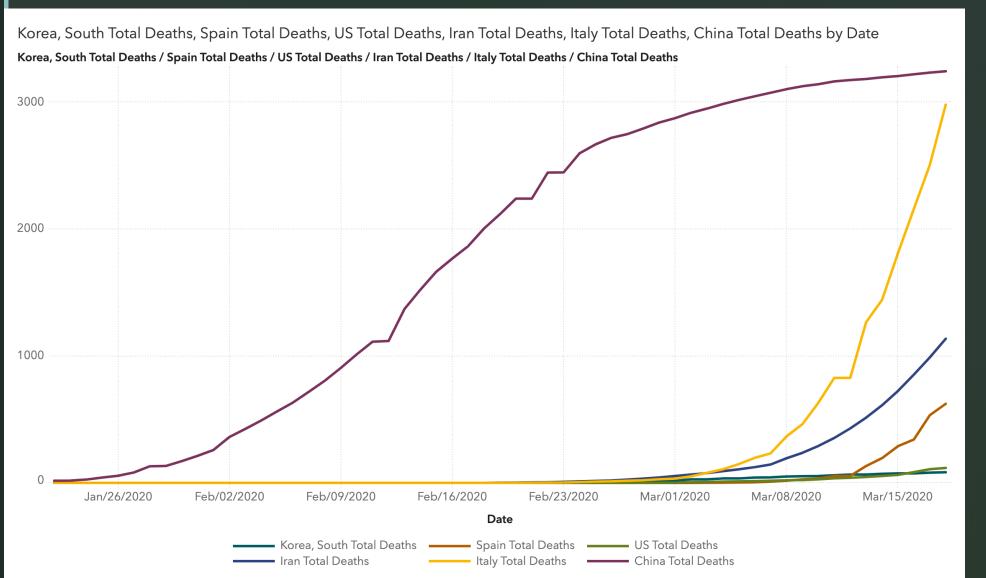
- The compete dataset is <u>called 'time_series_19-covid-same_day_overall.csv'</u>.
- It concludes Confirmed, Deaths, Recovery, Mortality/Recovery Rate of 7 different countries.

Confirmed Cases

US Total Confirmed, Spain Total Confirmed, Korea, South Total Confirmed, China Total Confirmed, Italy Total Confirmed, Iran Total Confirmed by Date

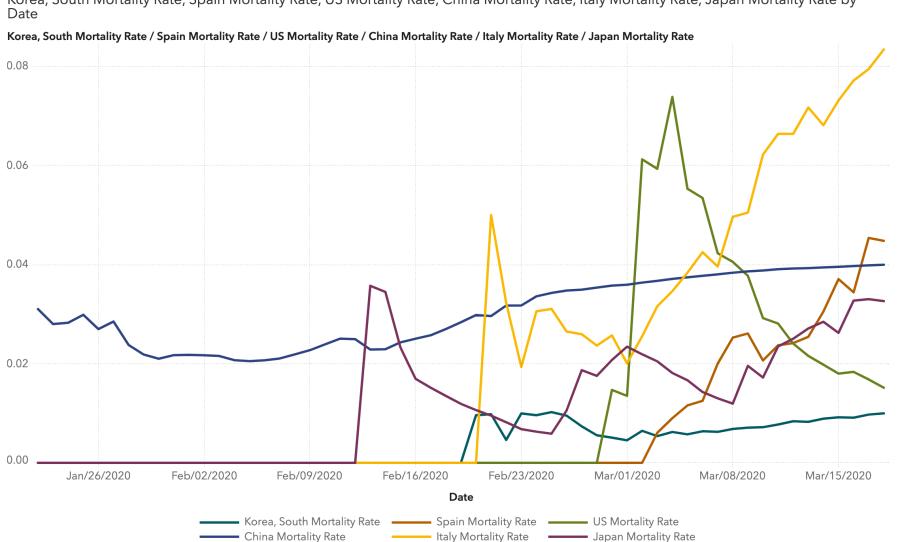


Deaths Cases



Mortality Rate

Korea, South Mortality Rate, Spain Mortality Rate, US Mortality Rate, China Mortality Rate, Italy Mortality Rate, Japan Mortality Rate by Date



Recovery Rate

Italy Recovery Rate, Japan Recovery Rate, Korea, South Recovery Rate, Spain Recovery Rate, US Recovery Rate, China Recovery Rate by

