coronavirus_analysis_v0_2020-03-14

March 14, 2020

Analysis of recent coronavirus data for different countries and regions. Javier Moldon. More info in

1 Load the data

Data comes from Johns Hopkins University at https://github.com/CSSEGISandData/COVID-19 that is updated daily.

Names of available countries (Note, some countries are divided in province/State

List of most affected countries (sorted by number of confirmed cases)

Country/Region	Confirmed	Deaths	Recovered
China	2719449	87028	1089238
Korea, South	96672	661	2339
Italy	84484	4505	6893
Iran	75645	2855	21060
Cruise Ship	19172	116	1269
France	15660	304	258
Germany	14611	17	439
Spain	12851	288	542
US	9163	263	191
Japan	8380	146	1270
Switzerland	4492	29	35
Singapore	3683	0	1769
Norway	3574	0	5
Netherlands	3274	32	0
Sweden	3214	3	5

List of most affected countries/provinces (sorted by number of deaths)

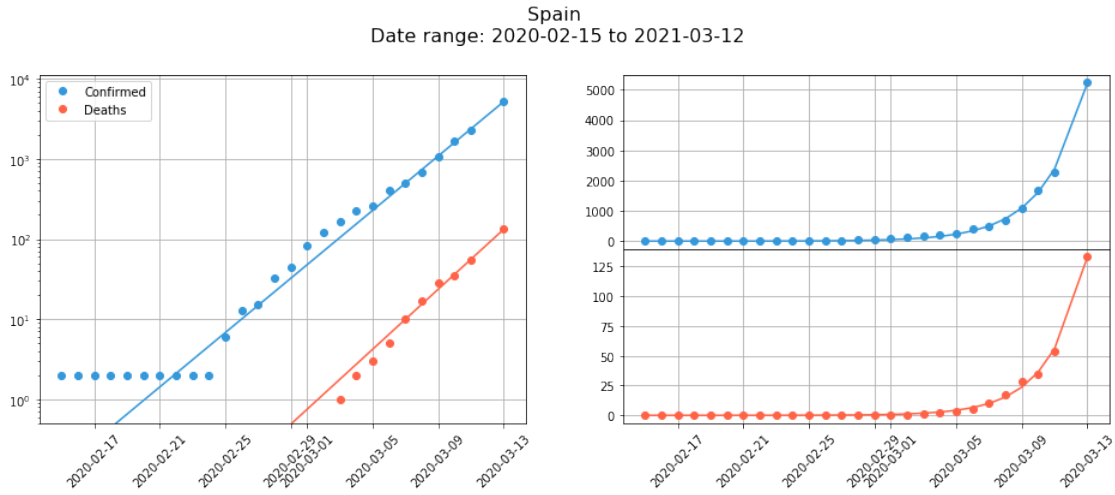
Country/Region	Province/State	Confirmed	Deaths	Recovered
China	Hubei	2216904	83706	809753
Italy		84484	4505	6893
Iran		75645	2855	21060
Korea, South		96672	661	2339

China	Henan	49080	636	29745
	Heilongjiang	17162	428	8220
France	France	15627	304	258
Spain		12851	288	542
China	Beijing	16200	202	7220
	Chongqing	22897	197	12268
	Anhui	37747	191	21849
	Guangdong	53211	185	28163
	Hebei	11591	184	7333
	Hainan	6564	177	3739
	Shandong	25981	151	13117

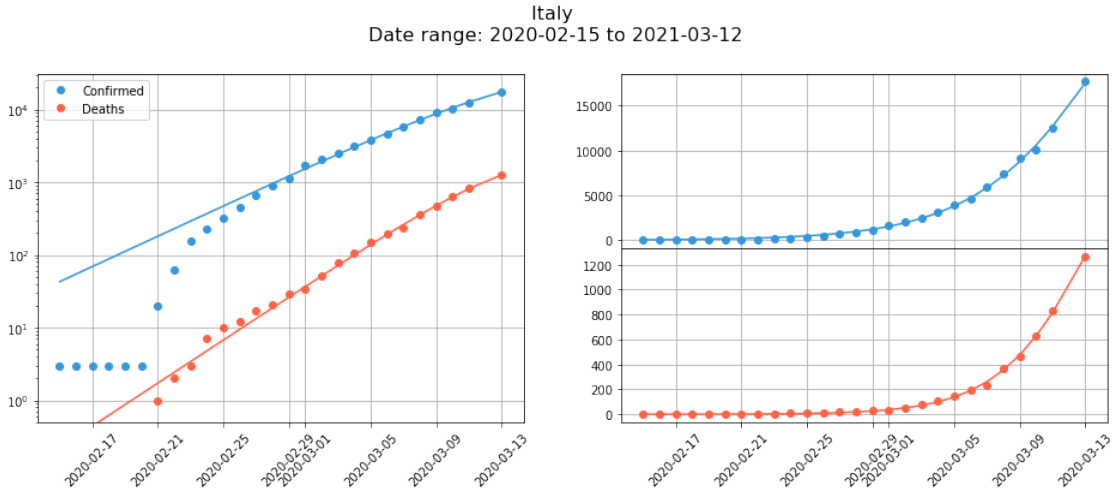
2 Evolution of Confirmed cases and Death per country

Left: log scale, right: linear scale, separating cases and deaths. The fit is a logistic growth when possible. If the fit does not converge (early stages), then a simple exponential is used.

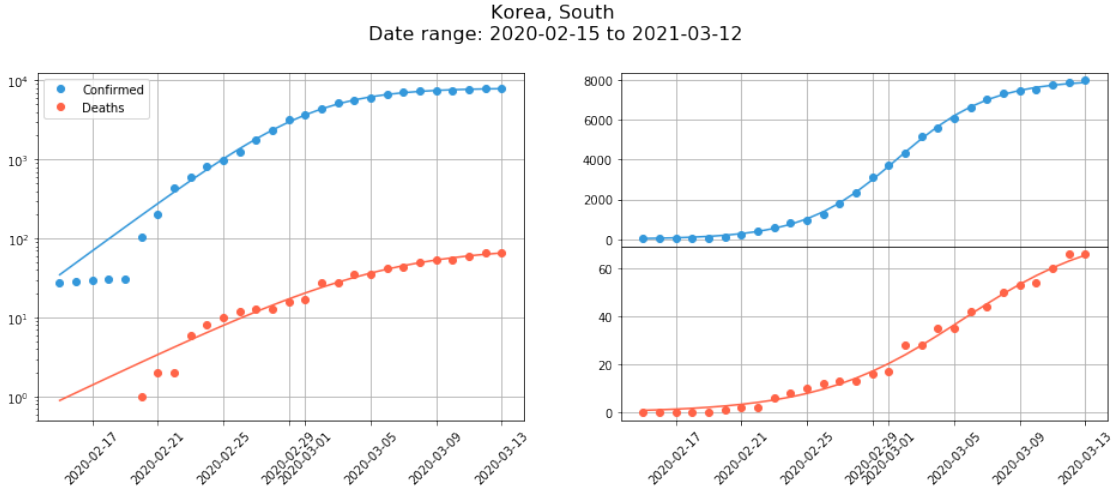
Spain



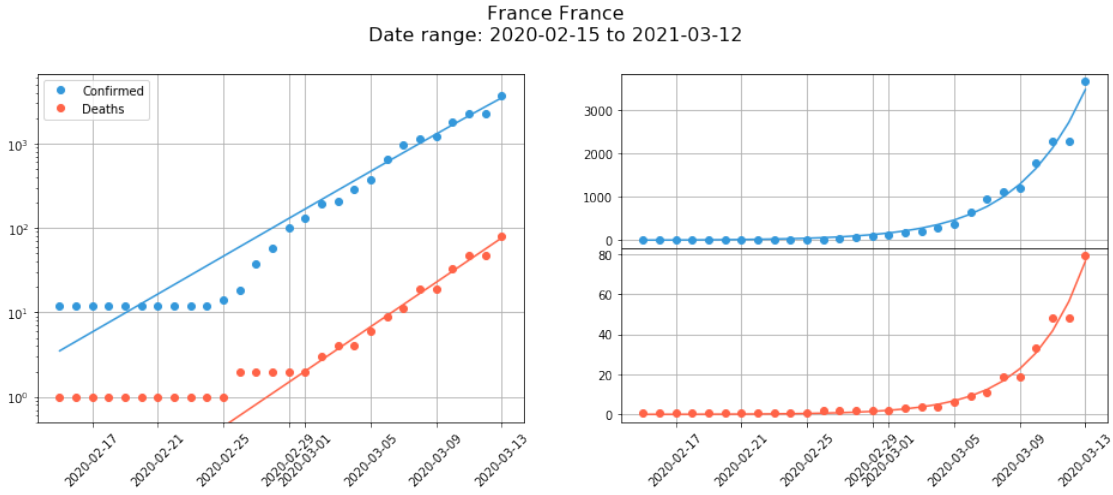
Italy



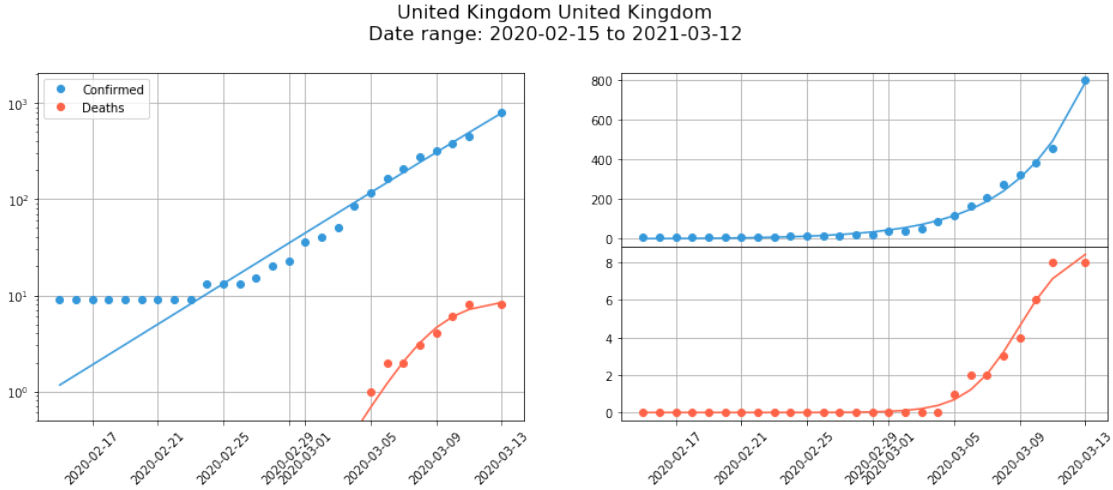
Korea, South



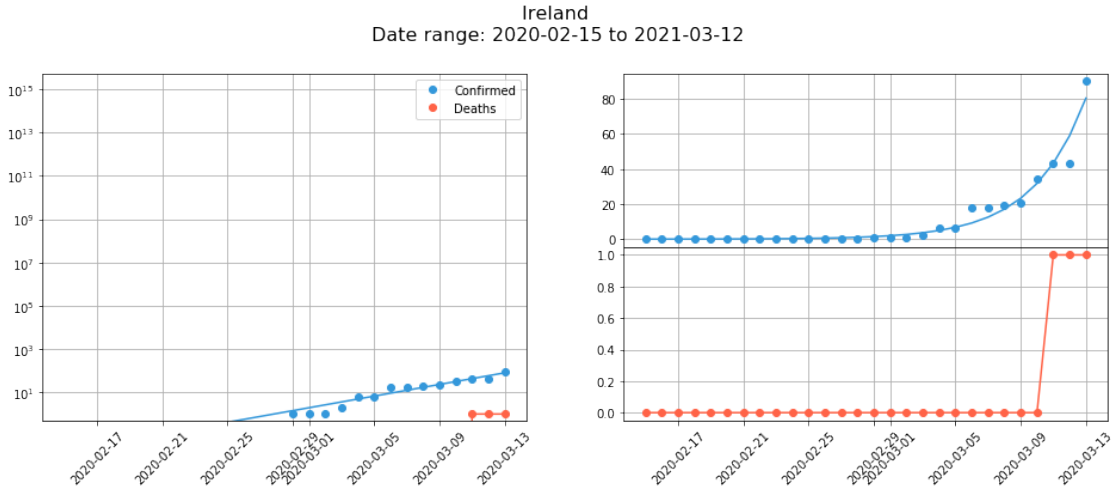
France France



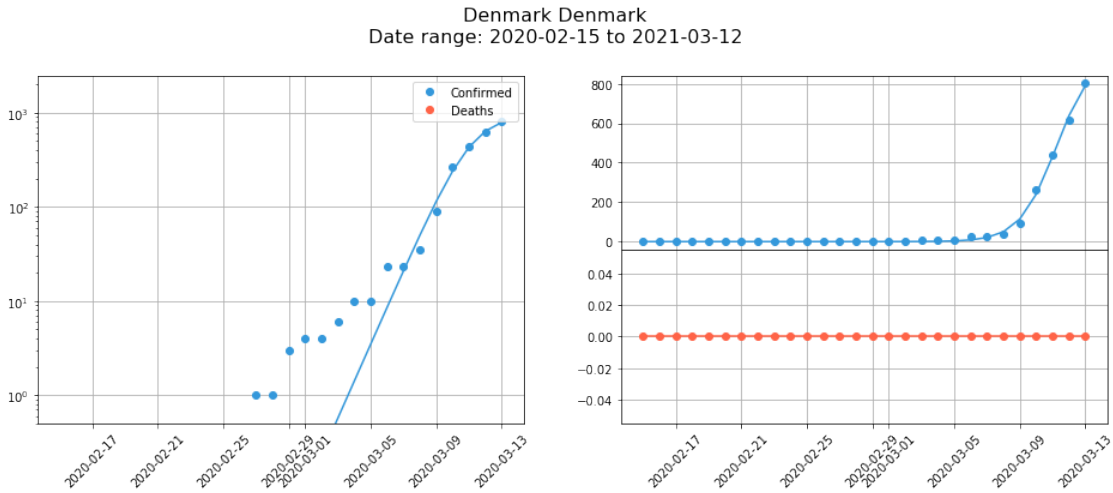
United Kingdom United Kingdom



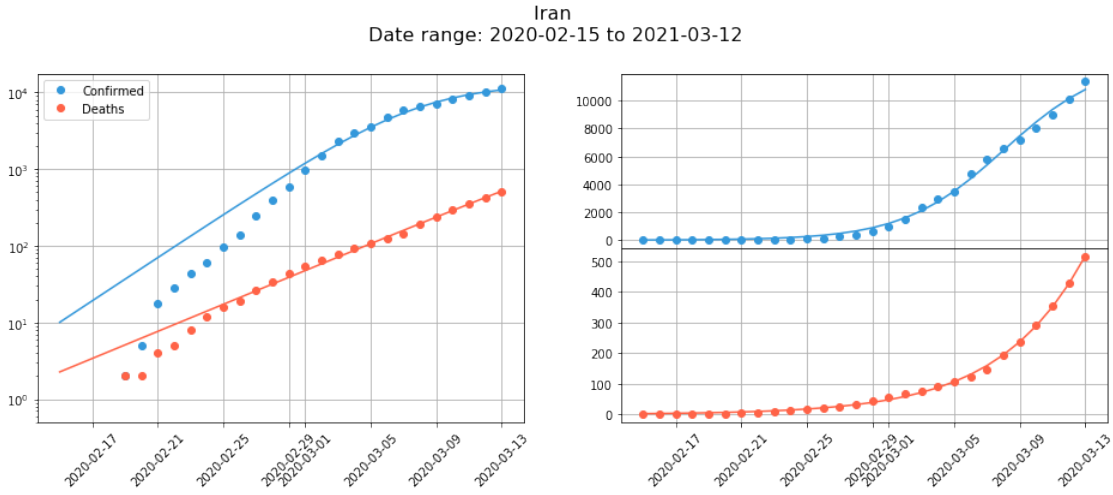
Ireland



Denmark Denmark

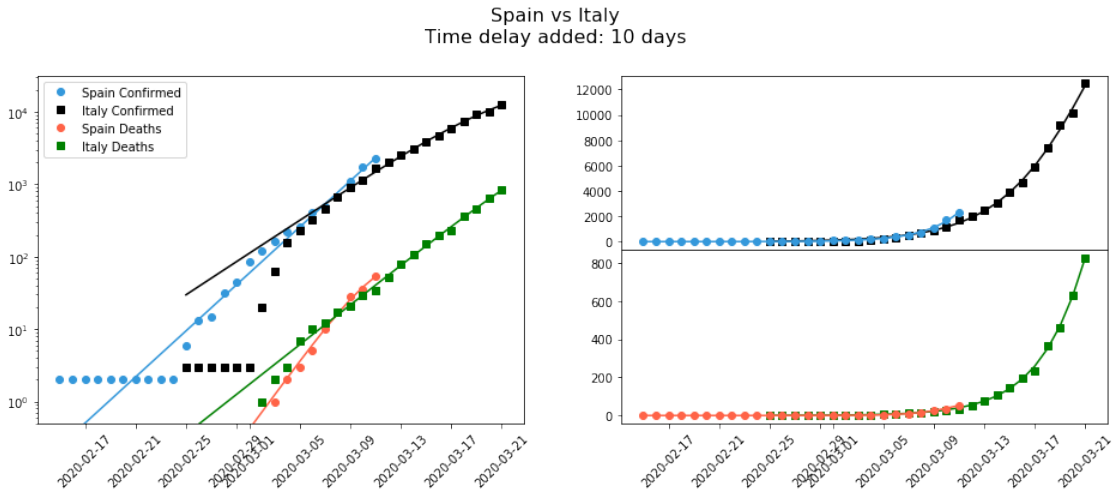


Iran

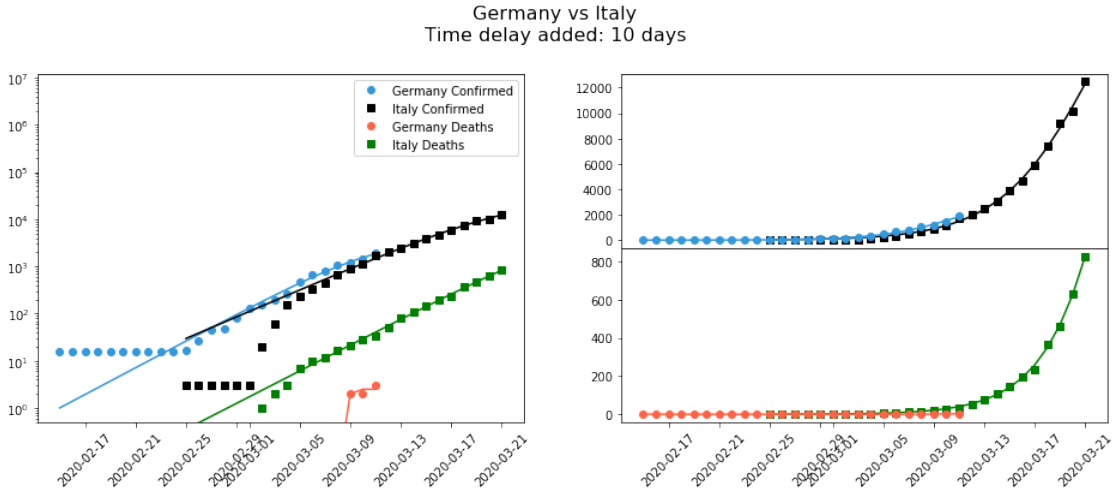


3 Comparison of two countries, with a manual time delay to align them

`Spain`
`Italy`



`Germany`
`Italy`

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Korea, South
Italy
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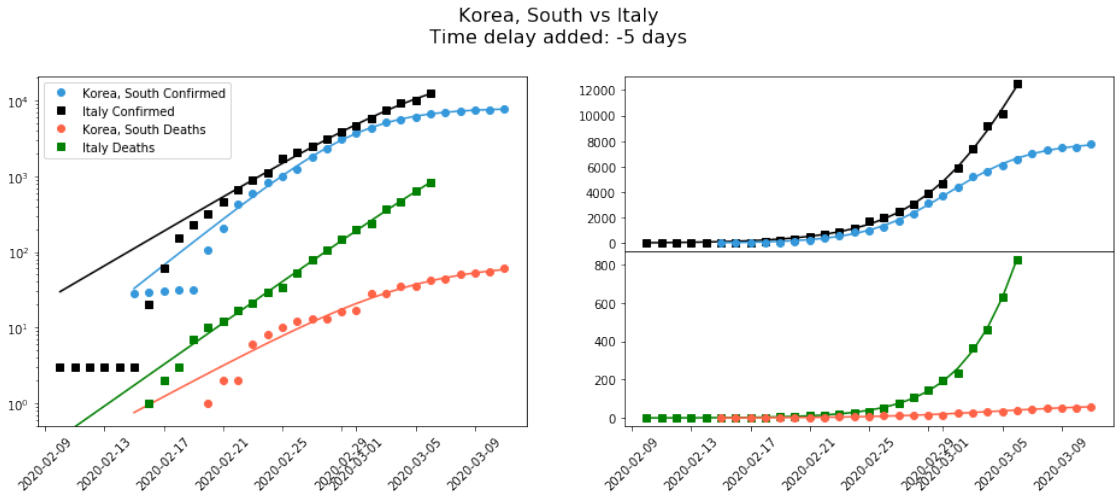

4 Additional plots for other countries

Show plots for the most affected country/province

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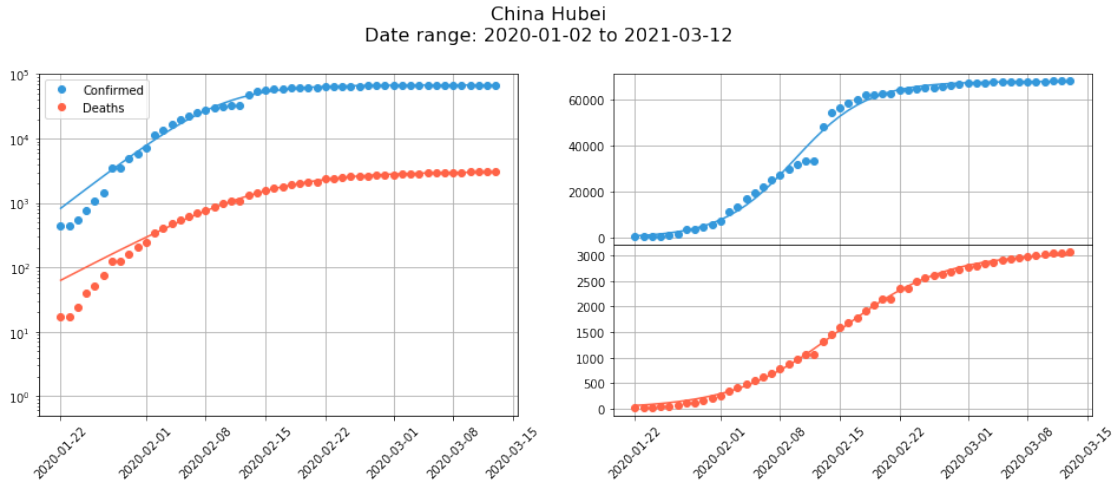
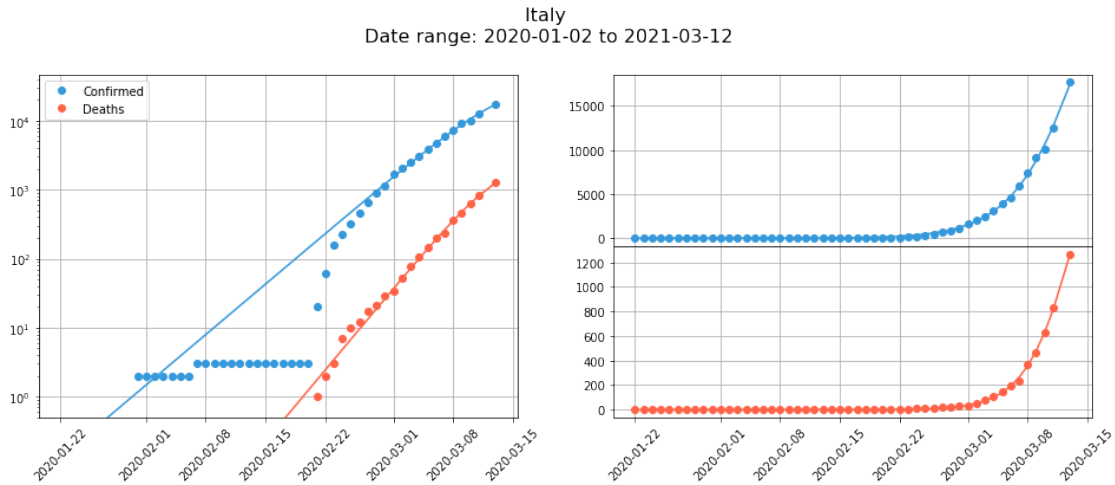
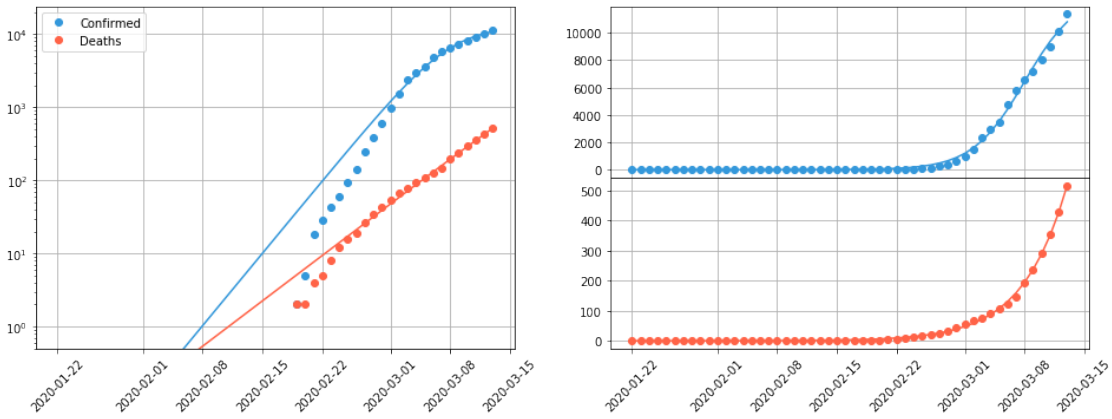
China Hubei
Italy
Iran
Korea, South
China Henan
China Heilongjiang
```

France France
Spain
China Beijing
China Chongqing
China Anhui
China Guangdong
China Hebei
China Hainan
China Shandong
Japan
US Washington
China Hunan
Cruise Ship Diamond Princess
China Tianjin

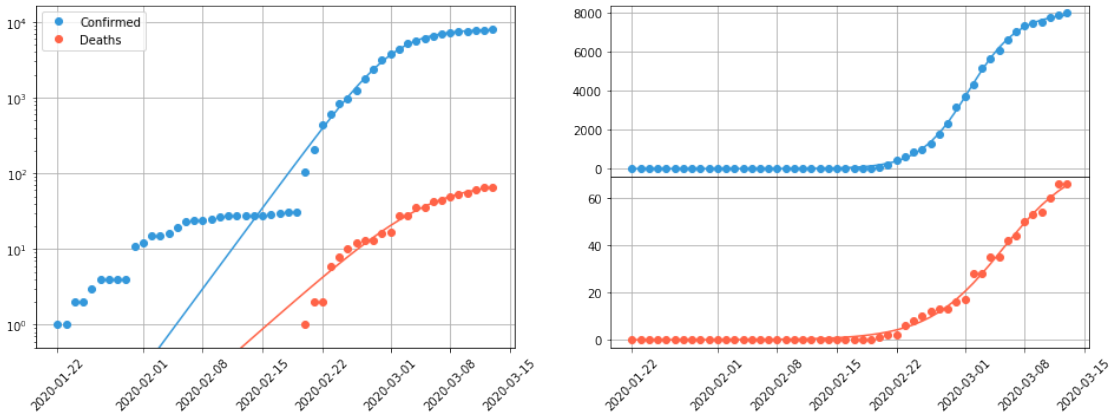




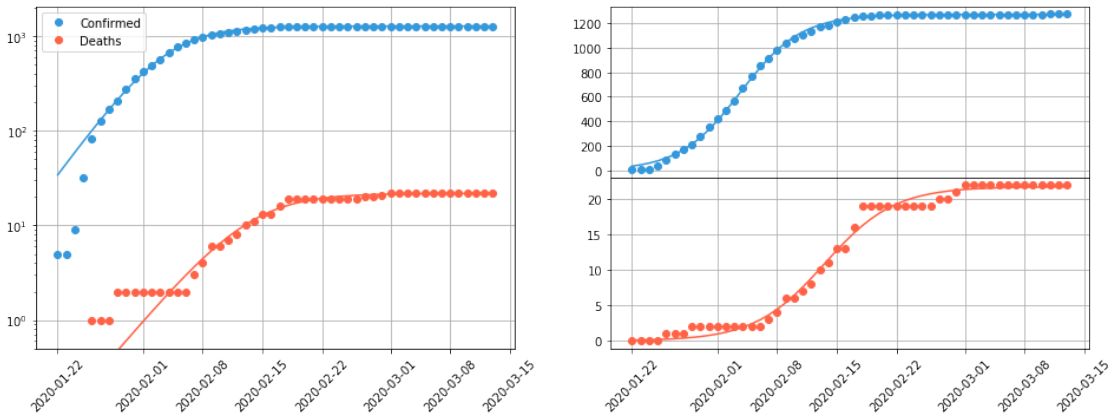
Iran
Date range: 2020-01-02 to 2021-03-12



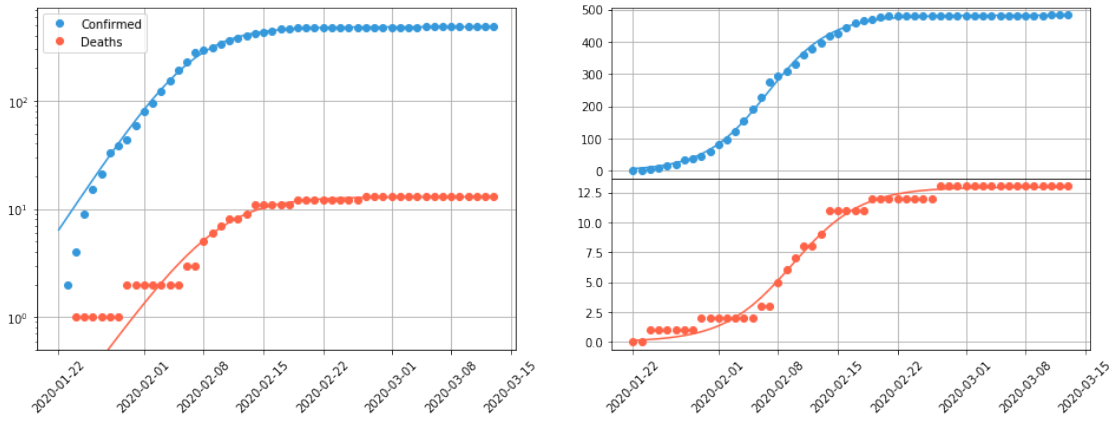
Korea, South
Date range: 2020-01-02 to 2021-03-12



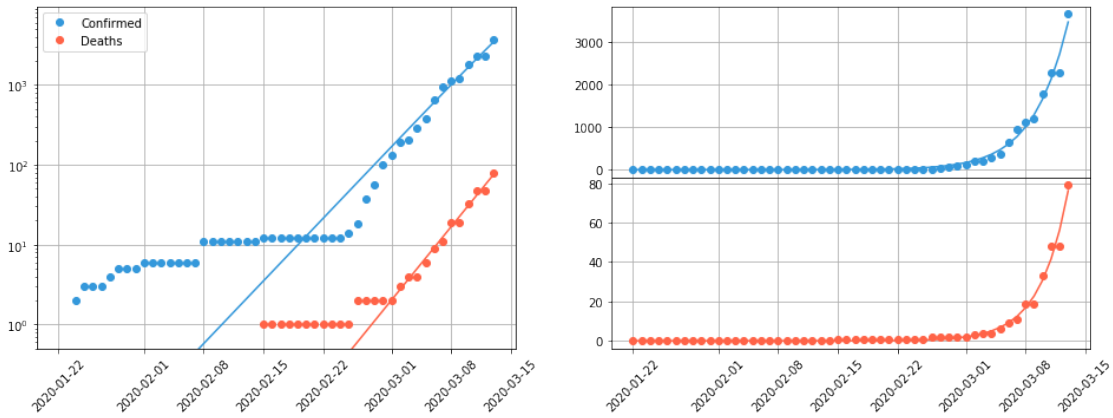
China Henan
Date range: 2020-01-02 to 2021-03-12



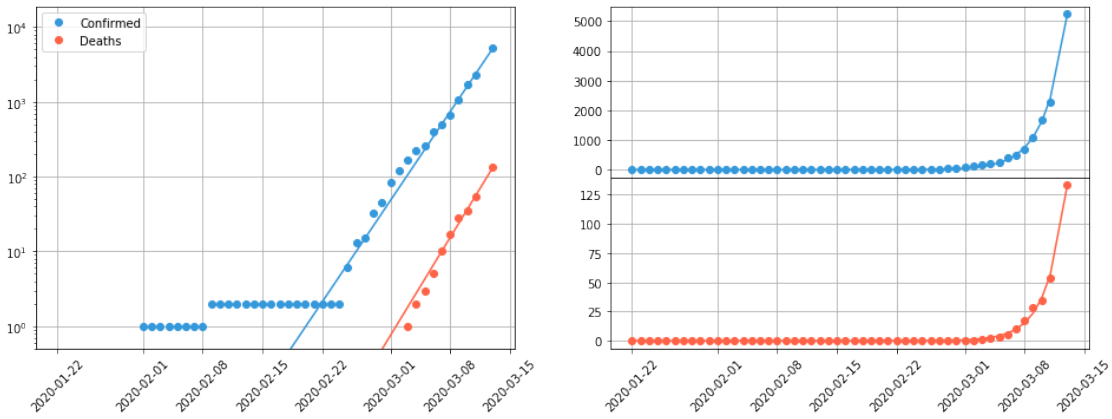
China Heilongjiang
Date range: 2020-01-02 to 2021-03-12



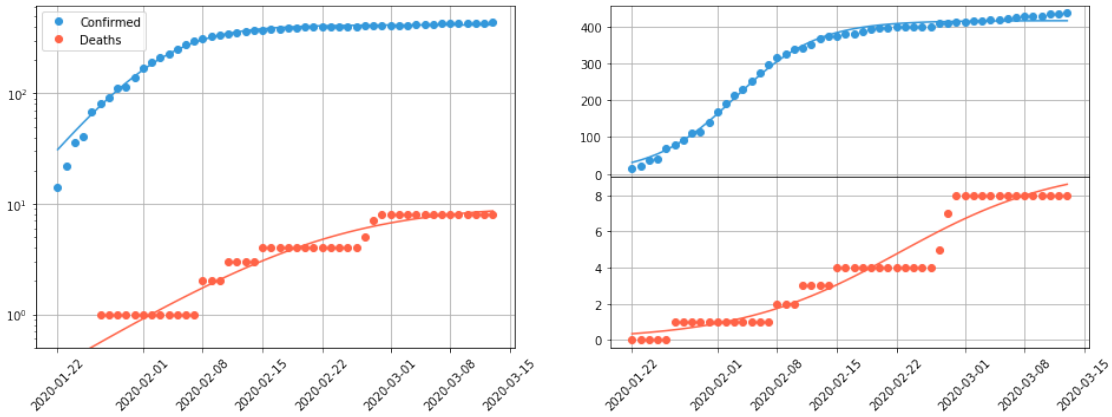
France France
Date range: 2020-01-02 to 2021-03-12



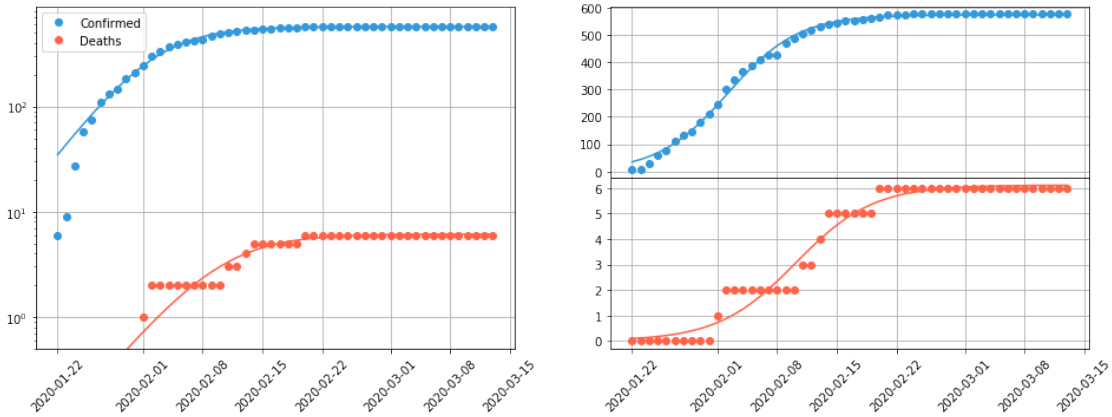
Spain
Date range: 2020-01-02 to 2021-03-12



China Beijing
Date range: 2020-01-02 to 2021-03-12



China Chongqing
Date range: 2020-01-02 to 2021-03-12



China Anhui
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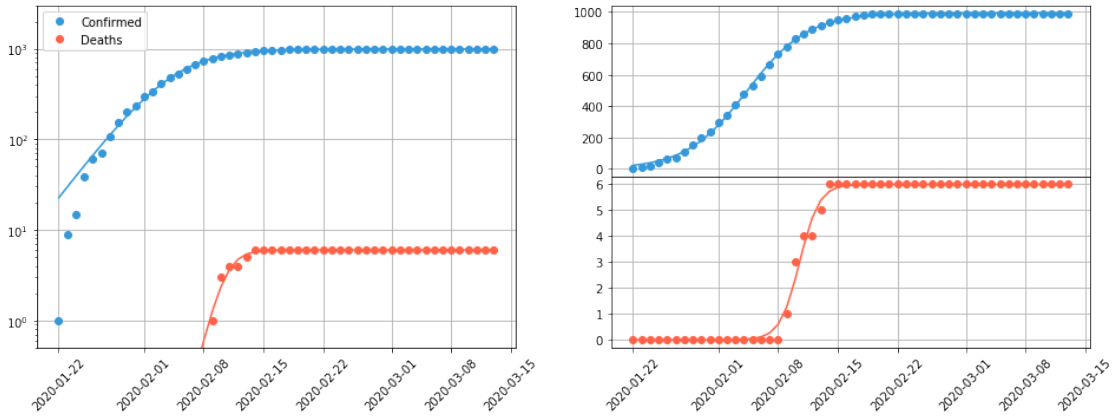

China Guangdong
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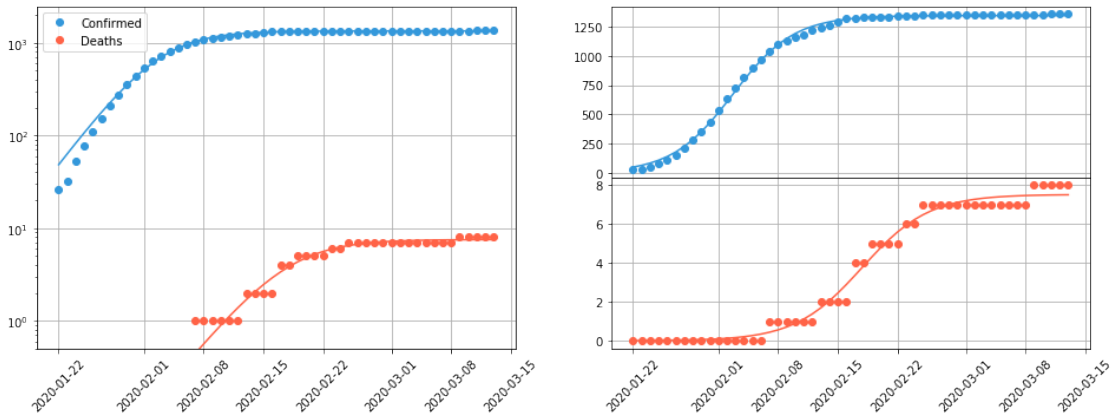
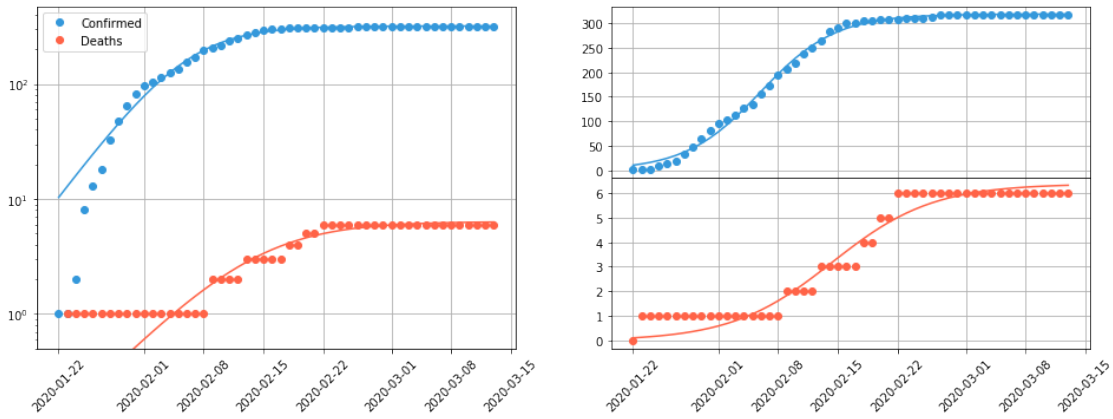


China Hebei
Date range: 2020-01-02 to 2021-03-12



China Hainan
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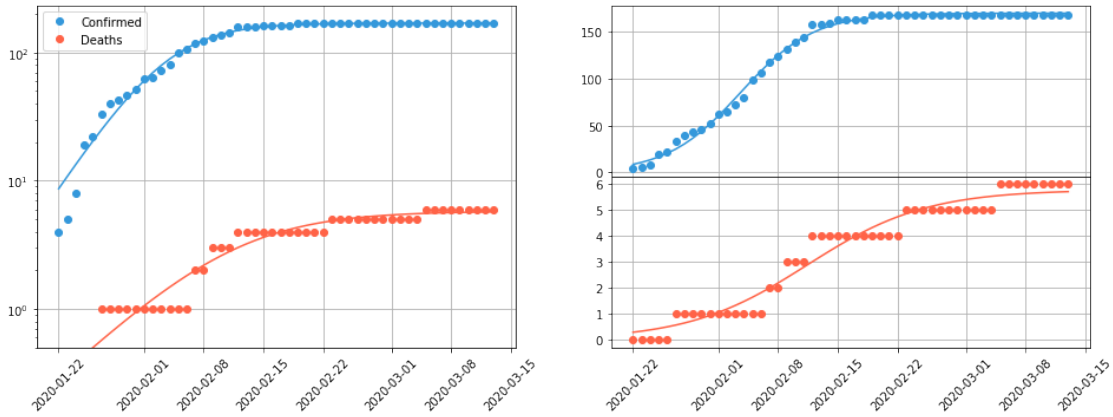

China Shandong
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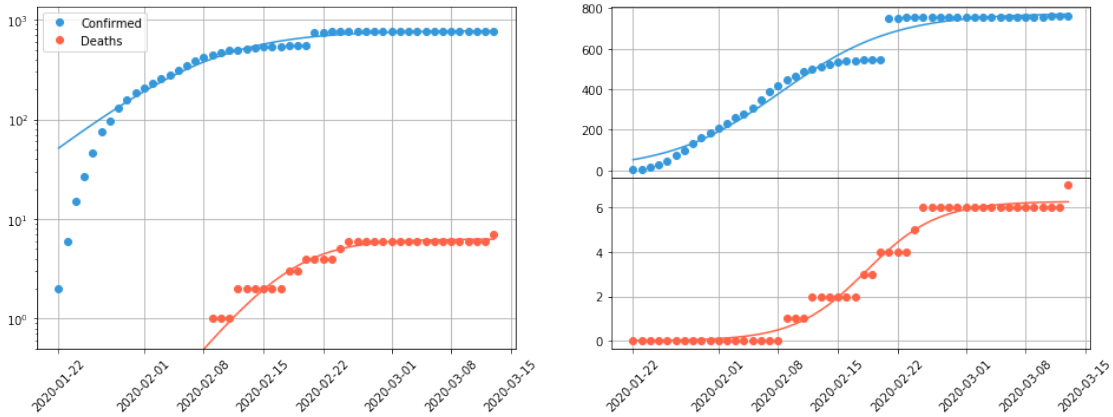
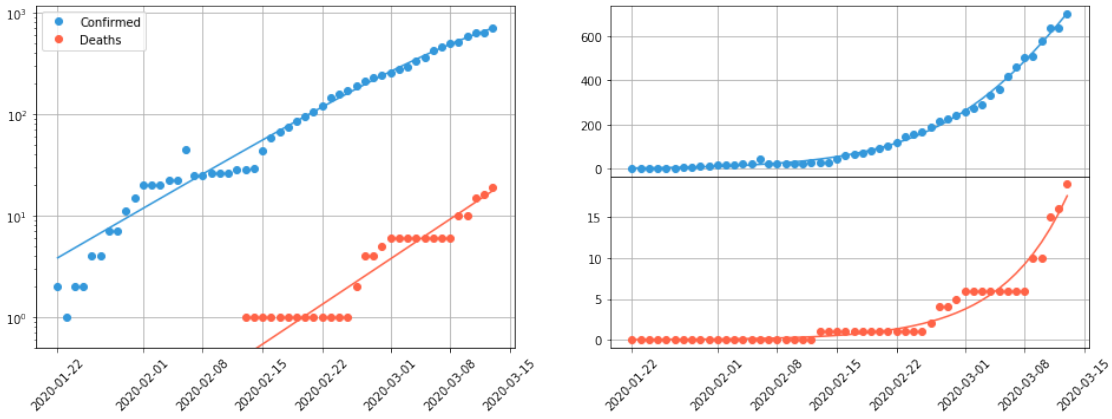
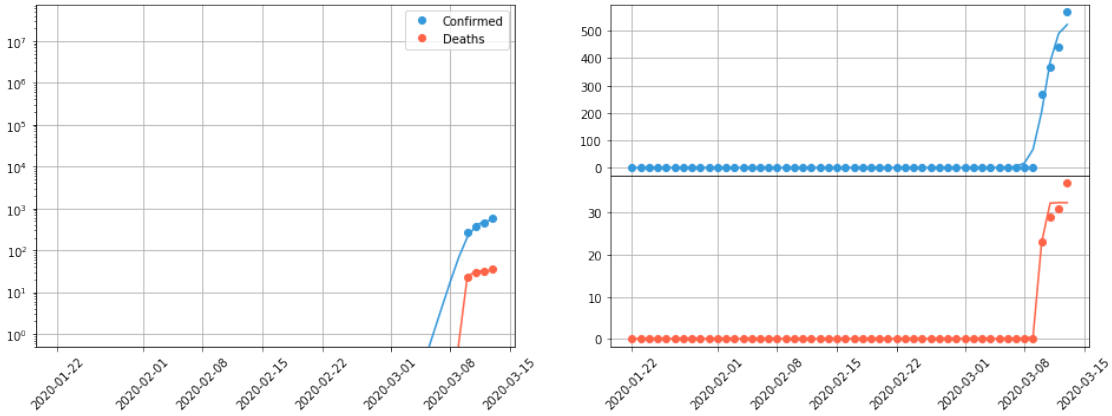


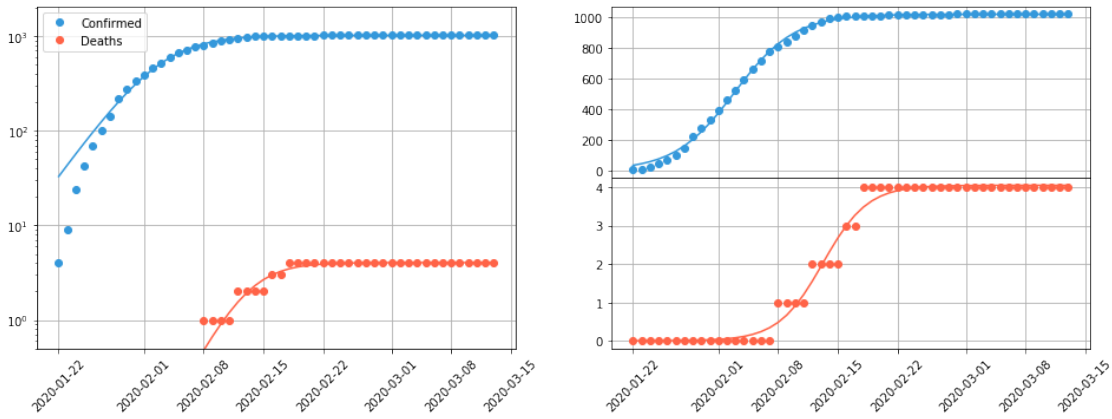
Japan
Date range: 2020-01-02 to 2021-03-12



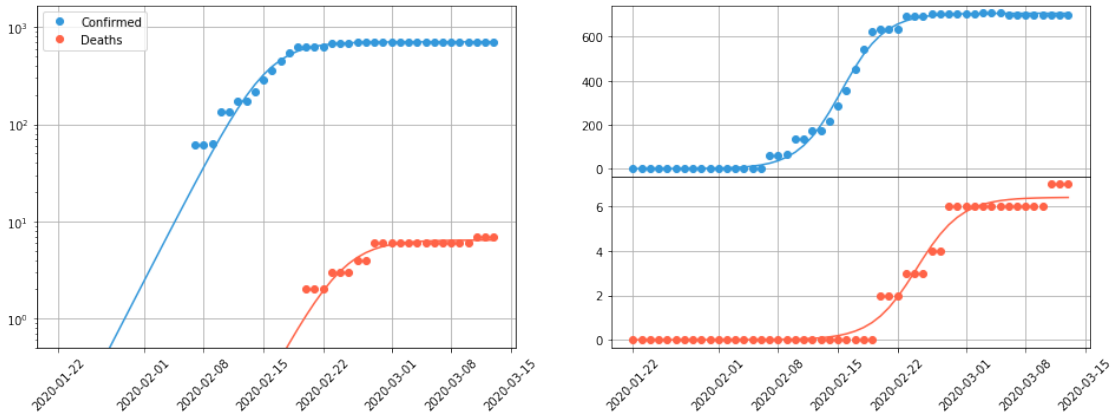
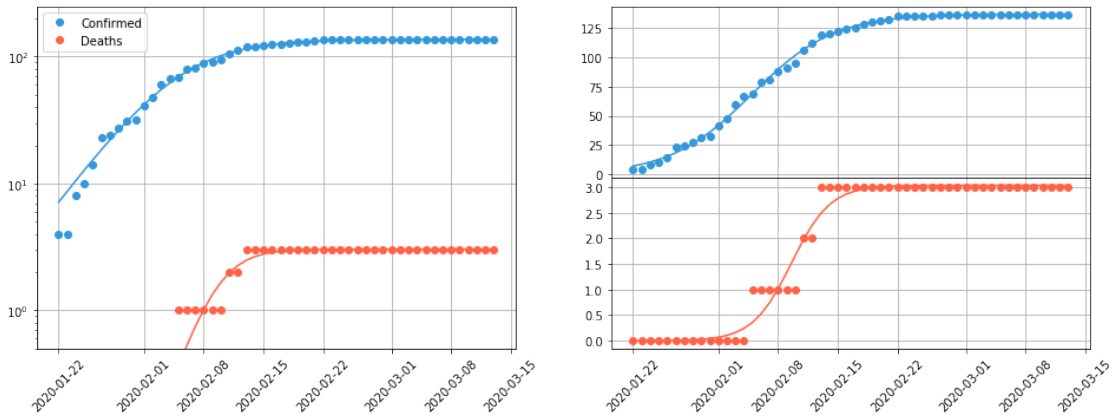
US Washington
Date range: 2020-01-02 to 2021-03-12



China Hunan
Date range: 2020-01-02 to 2021-03-12



Cruise Ship Diamond Princess
Date range: 2020-01-02 to 2021-03-12



China Tianjin
Date range: 2020-01-02 to 2021-03-12