

Forecasting of coronavirus COVID19 epidemic (SIR model)

DISCLAIMER: The model may fail in some situations. In particular, the model may fail in the initial phase and in when additional epidemic stages or outbreaks (not described by SIR model) are encountered. Use it at your own discretion.

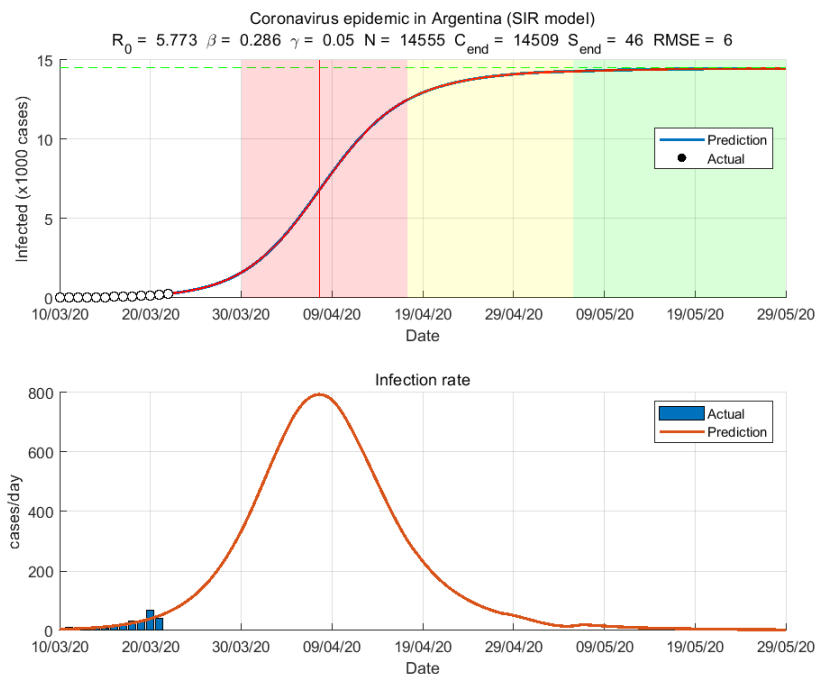
Report

```
fprintf('Date: %s\n',datestr(date))
```

Date: 23-Mar-2020

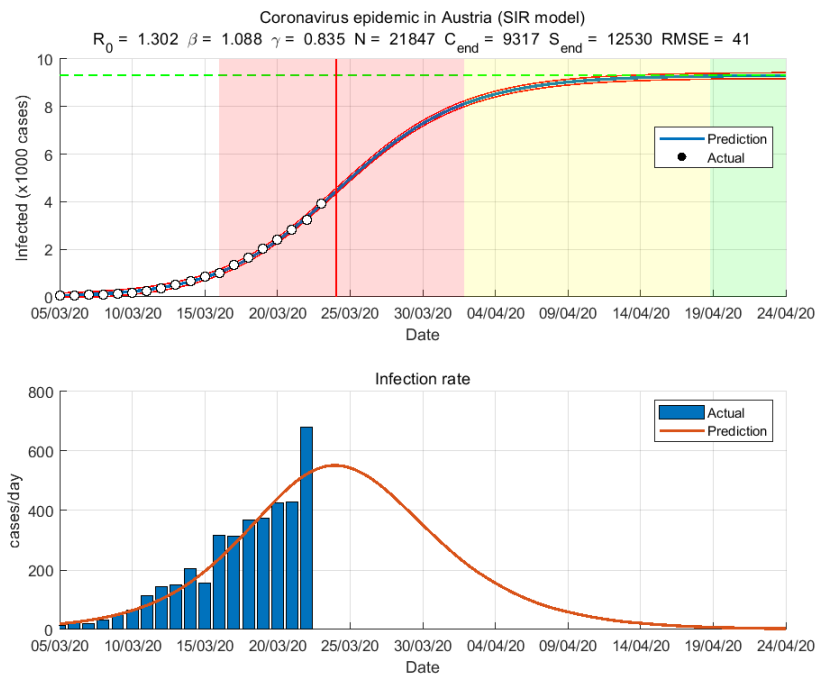
Argentina

```
fitVirusCV19(@getDataArgentina);
```



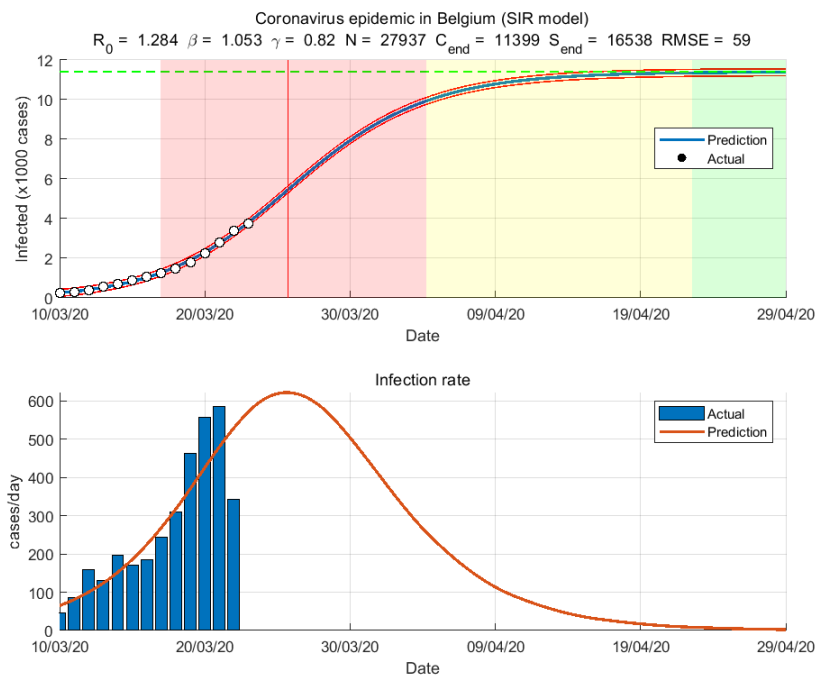
Austria

```
fitVirusCV19(@getDataAustria);
```



Belgium

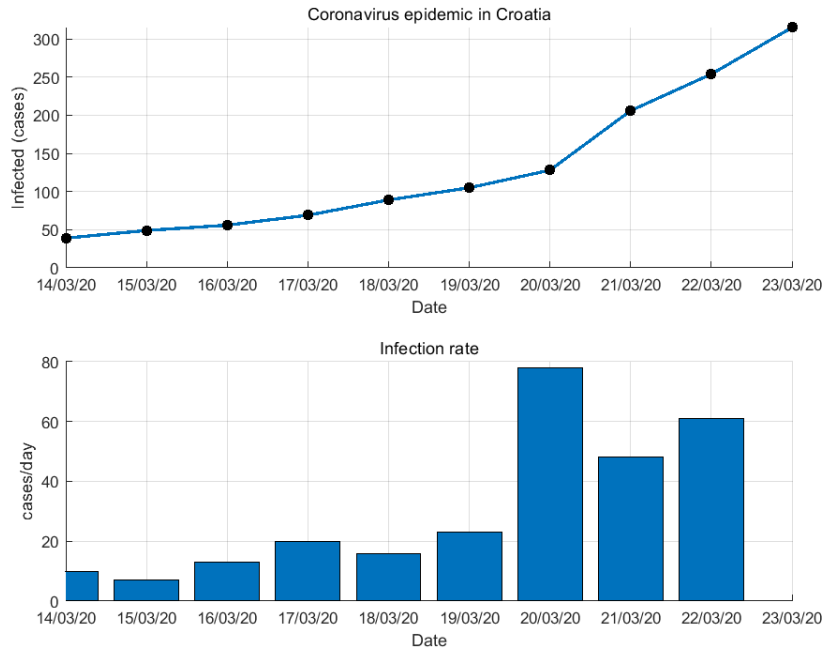
```
fitVirusCV19(@getDataBelgium);
```



Croatia

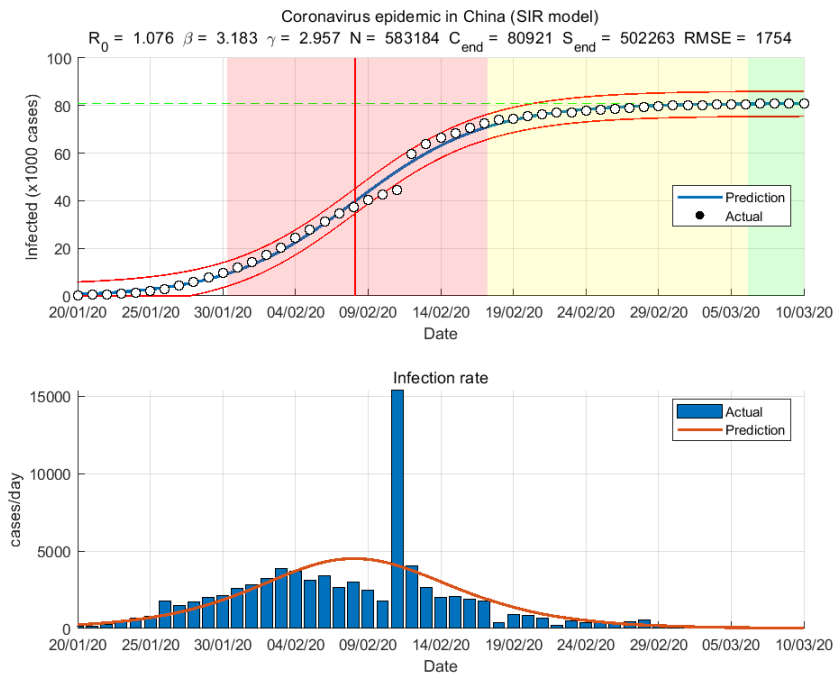
```
fitVirusCV19(@getDataCroatia);
```

Fail to obtain initial approximation for Croatia.



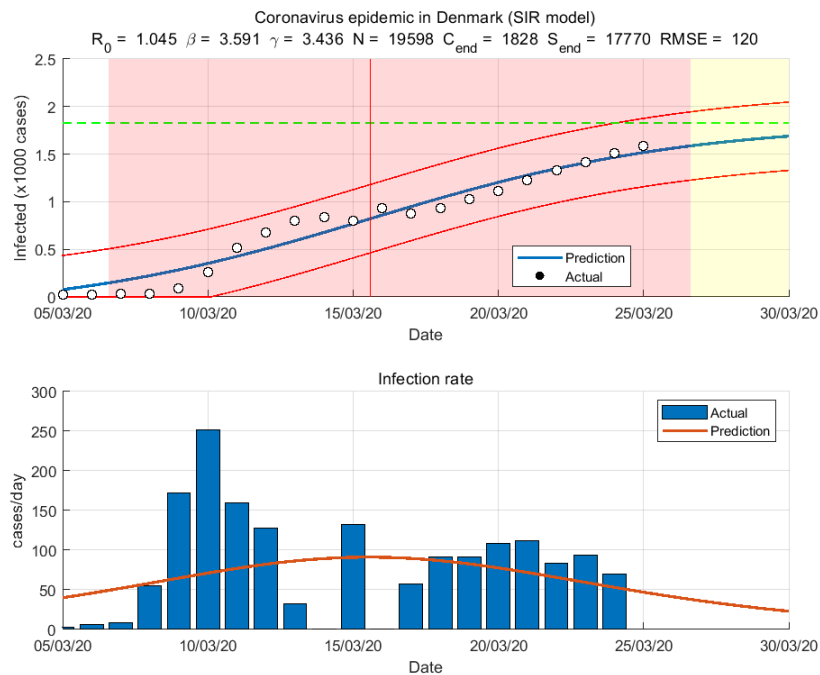
China

```
fitVirusCV19(@getDataChina);
```



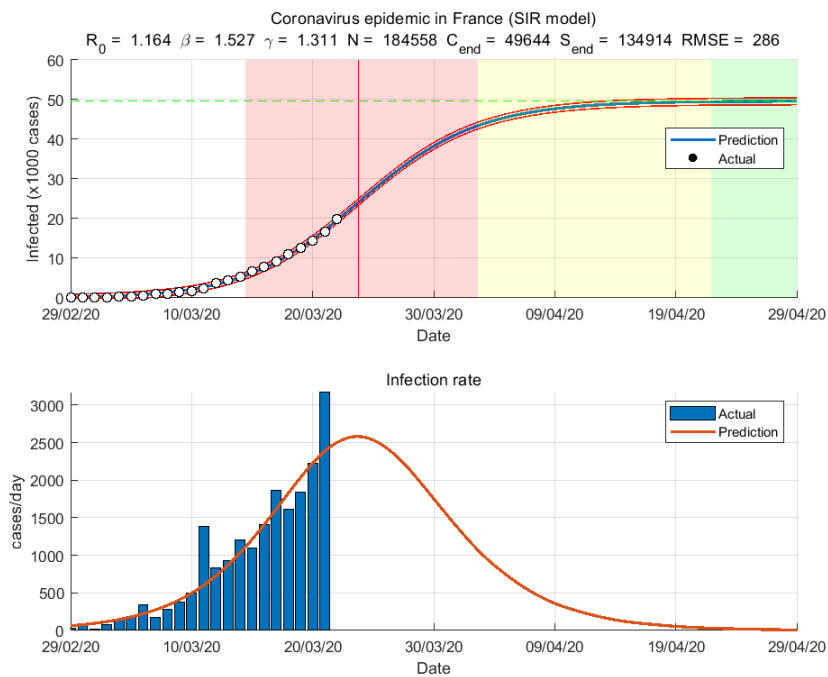
Denmark

```
fitVirusCV19(@getDataDenmark);
```



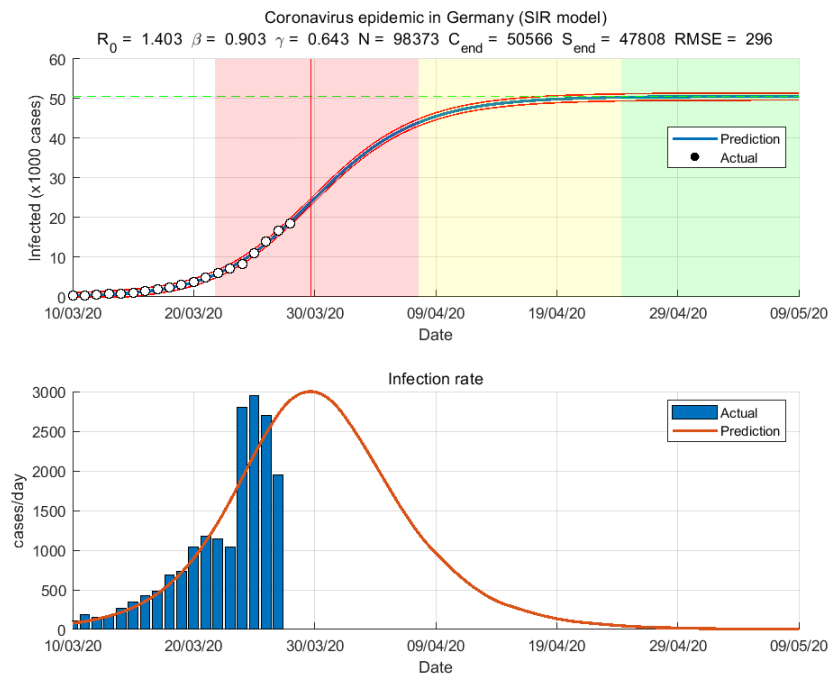
France

```
fitVirusCV19(@getDataFrance);
```



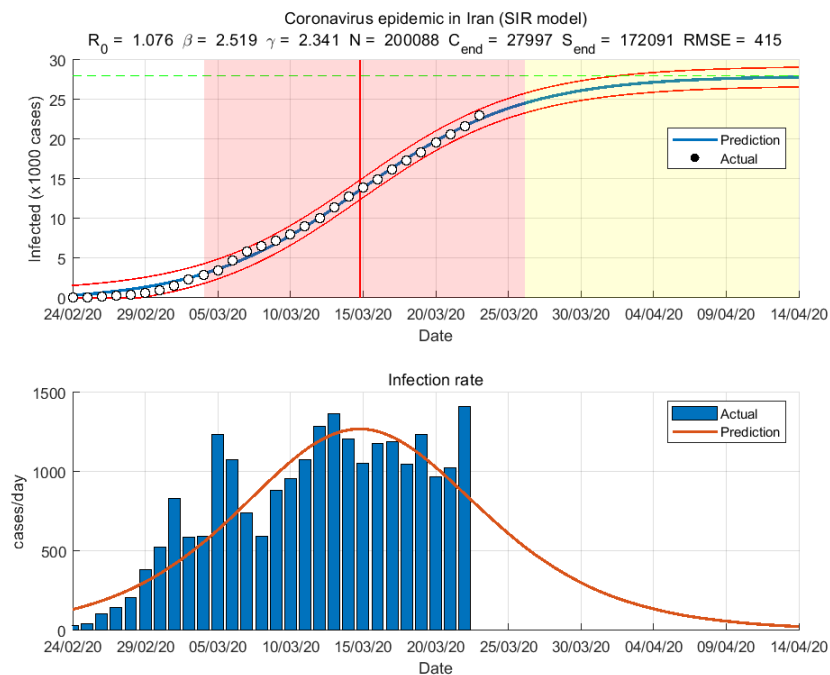
Germany

```
fitVirusCV19(@getDataGermany);
```



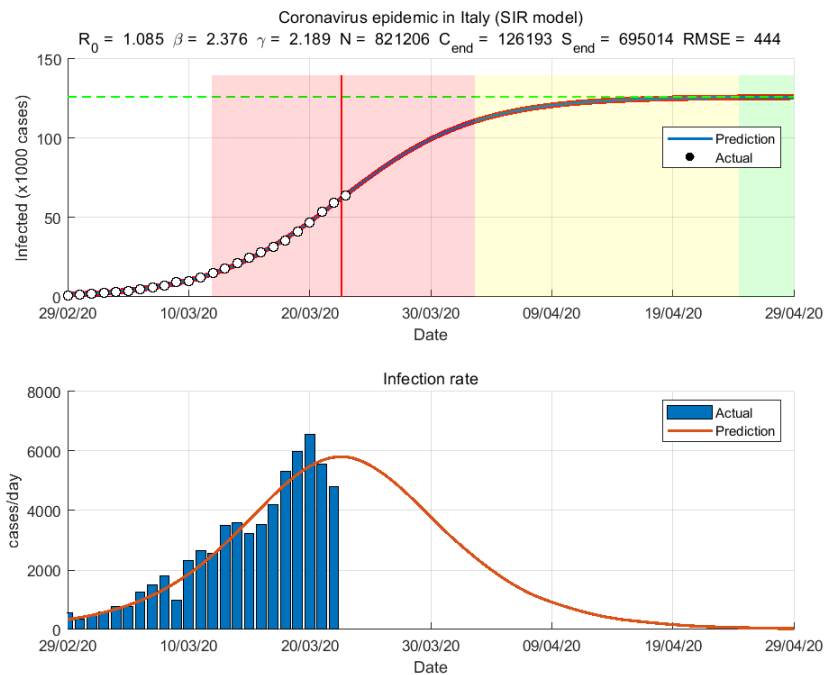
Iran

```
fitVirusCV19(@getDataIran);
```



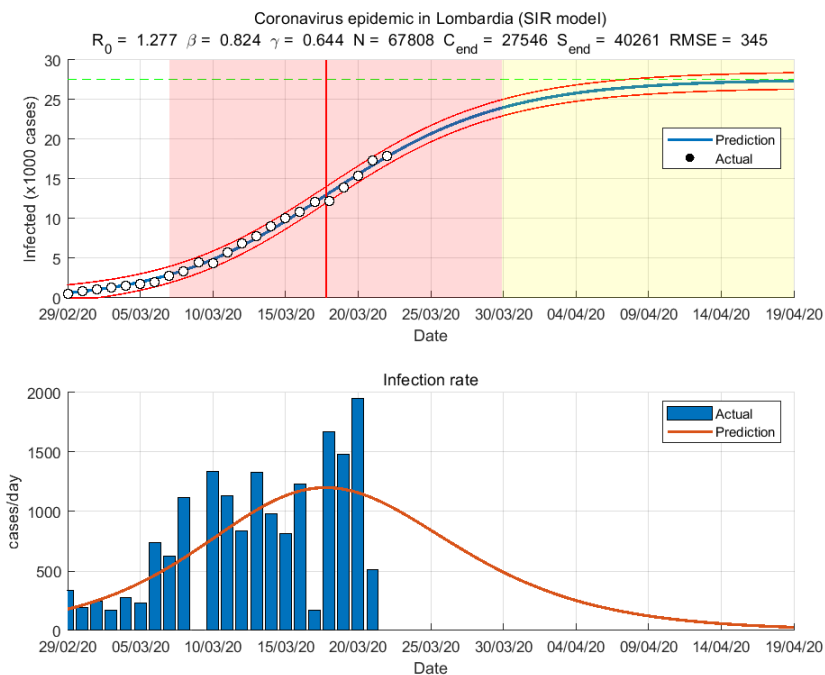
Italy

```
fitVirusCV19(@getDataItaly);
```



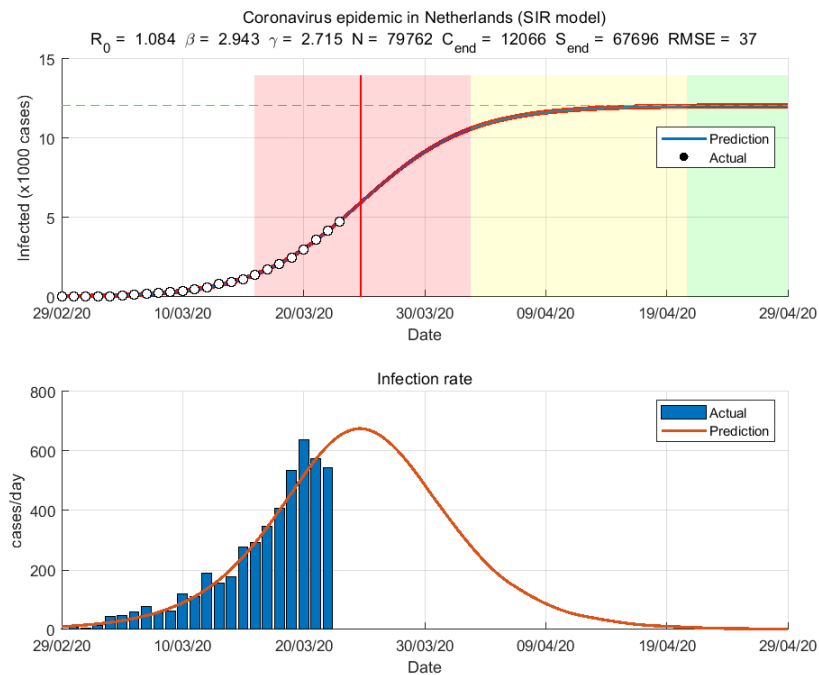
Lombardia

```
fitVirusCV19(@getDataLombardia);
```



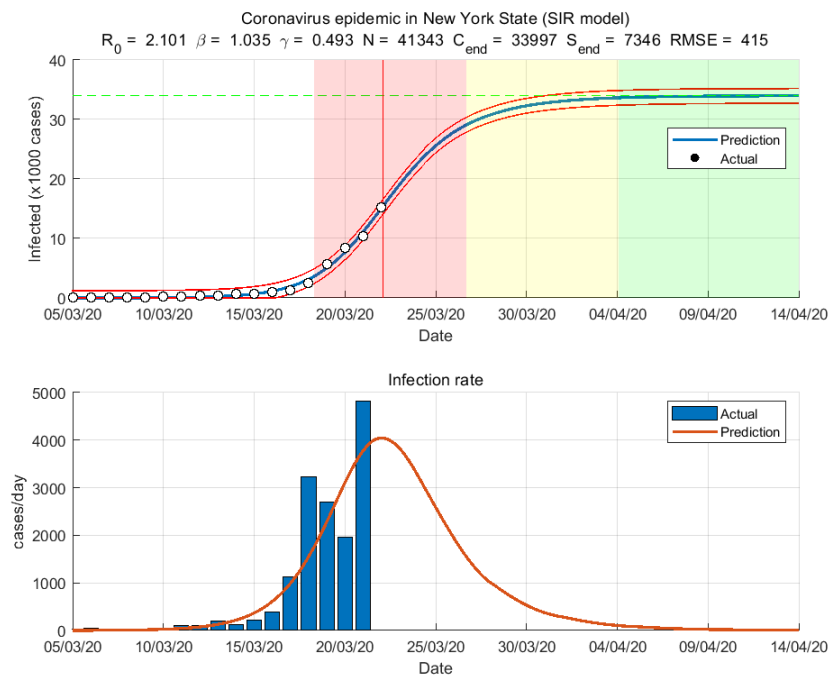
Netherlands

```
fitVirusCV19(@getDataNetherlands);
```



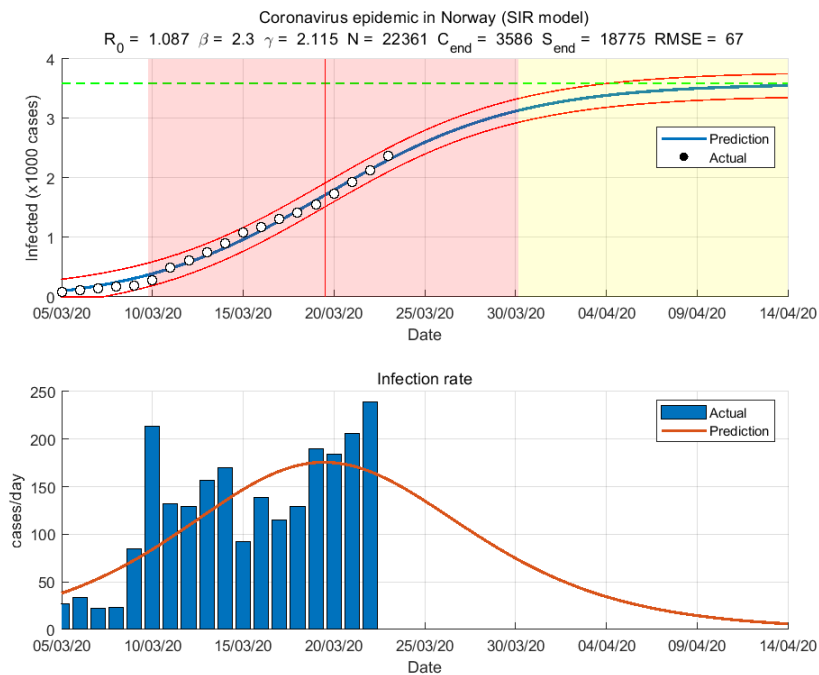
New York State

```
fitVirusCV19(@getDataNYState);
```



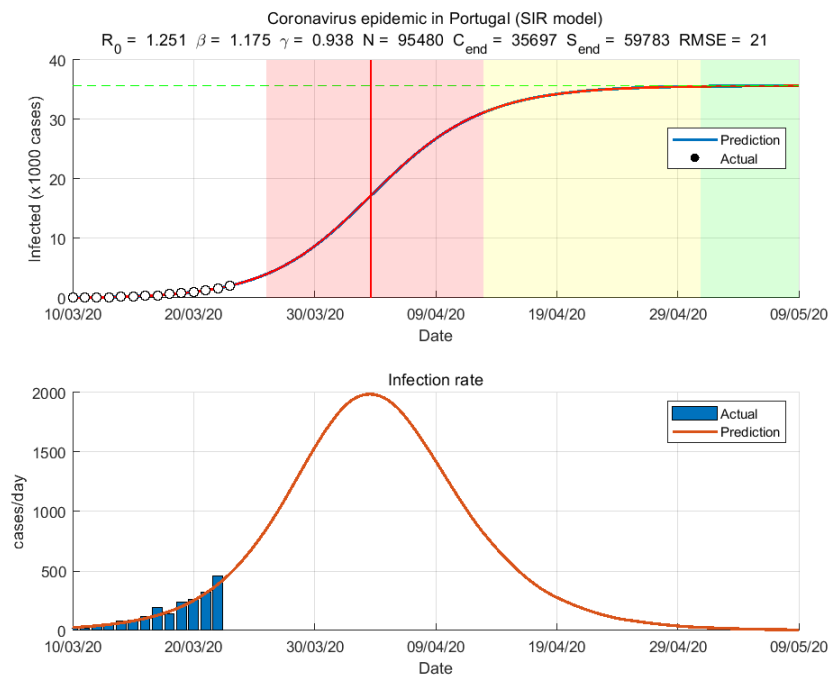
Norway

```
fitVirusCV19(@getDataNorway);
```



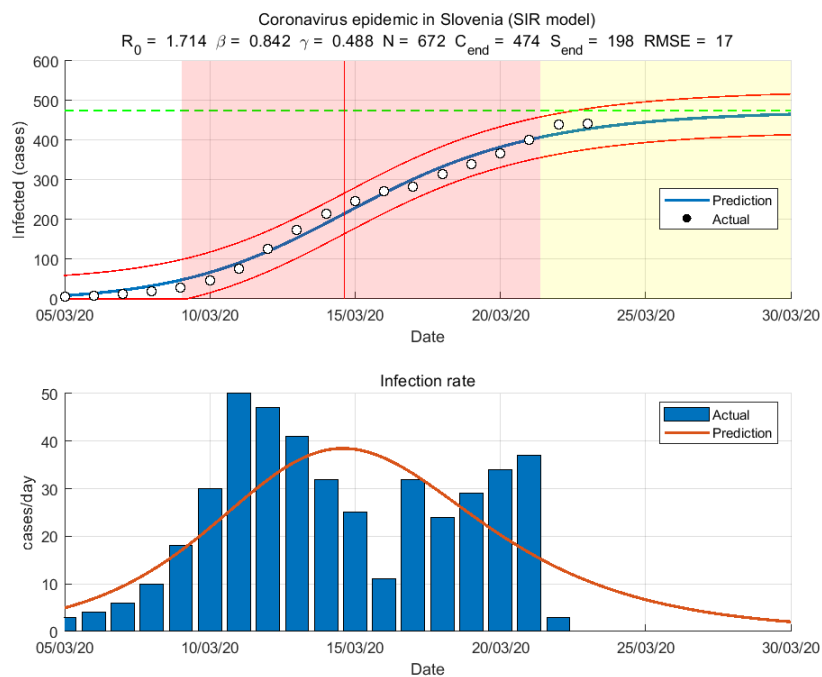
Portugal

```
fitVirusCV19(@getDataPortugal);
```



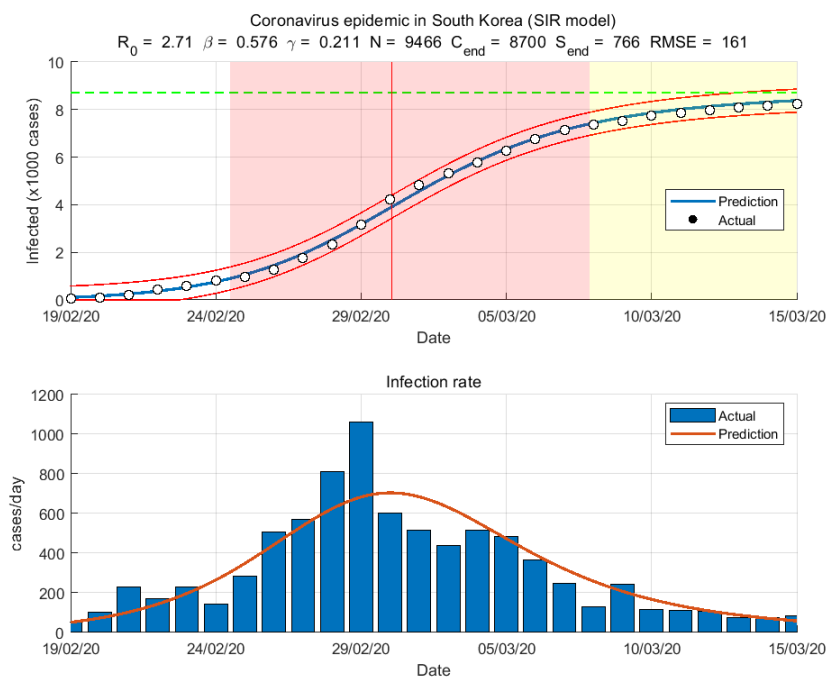
Slovenia

```
fitVirusCV19(@getDataSlovenia);
```



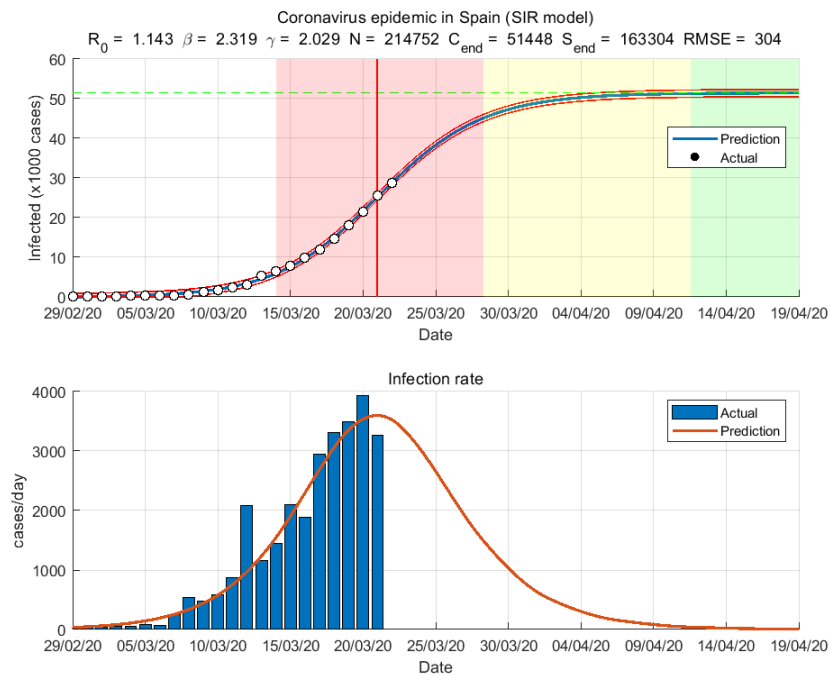
South Korea

```
fitVirusCV19(@getDataSouthKorea);
```



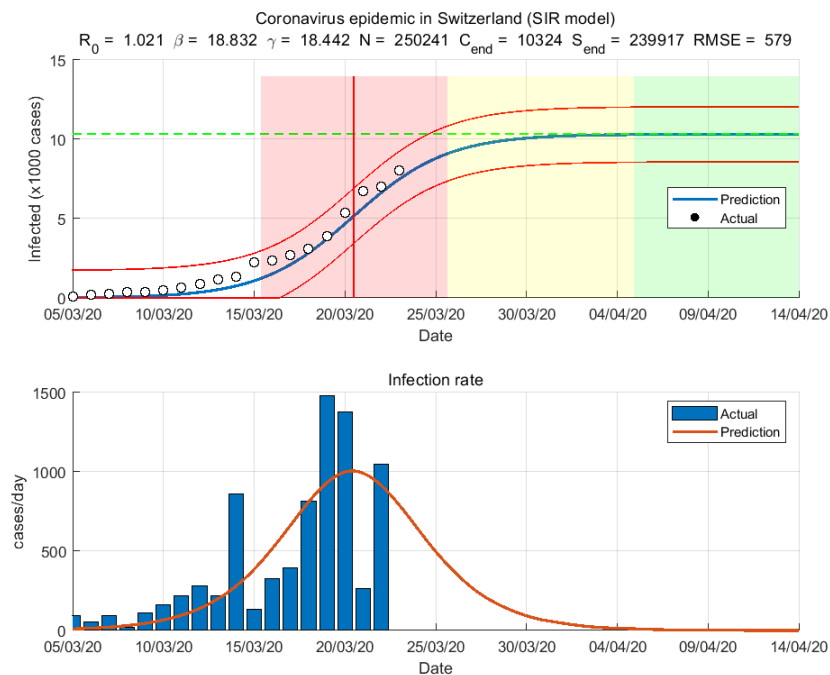
Spain

```
fitVirusCV19(@getDataSpain);
```



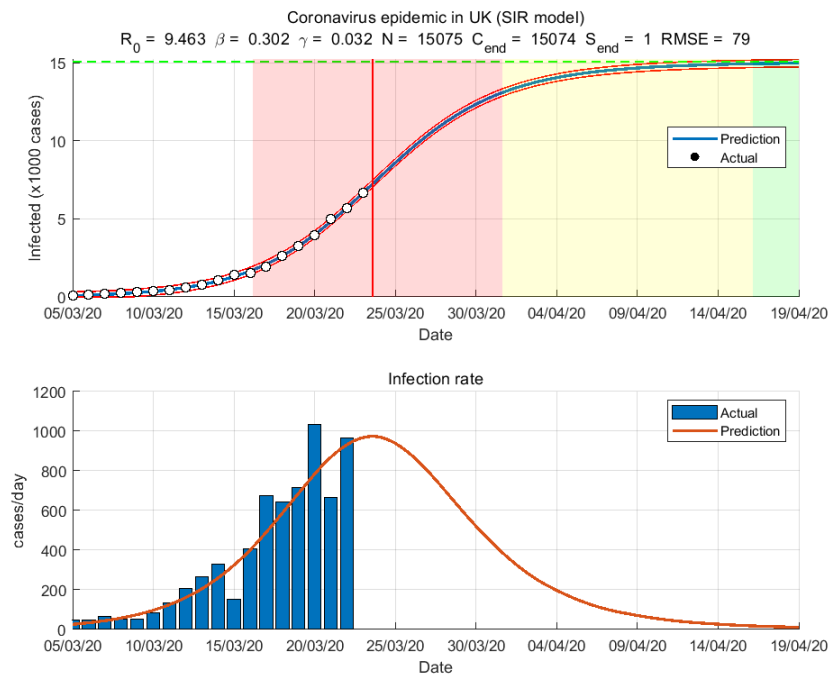
Switzerland

```
fitVirusCV19(@getDataSwitzerland, 'nmax', 3e5);
```



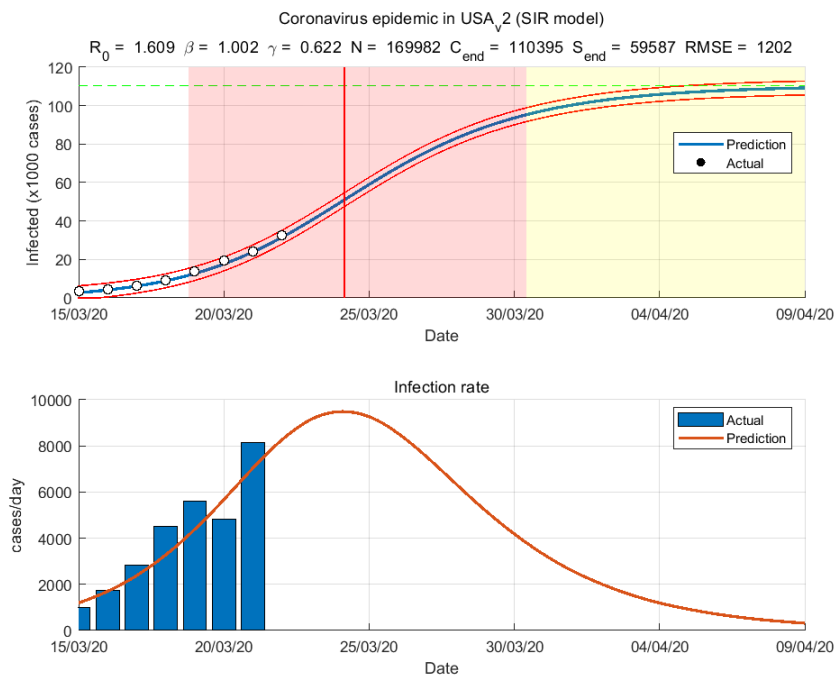
UK

```
fitVirusCV19(@getDataUK);
```



USA

```
fitVirusCV19(@getDataUSA);
```



Countries outside of China

```
fitVirusCV19(@getDataWorld, 'nmax', 6e6);
```

