Timeseries analysis of COVID-19 outbreak, progression and predicted end
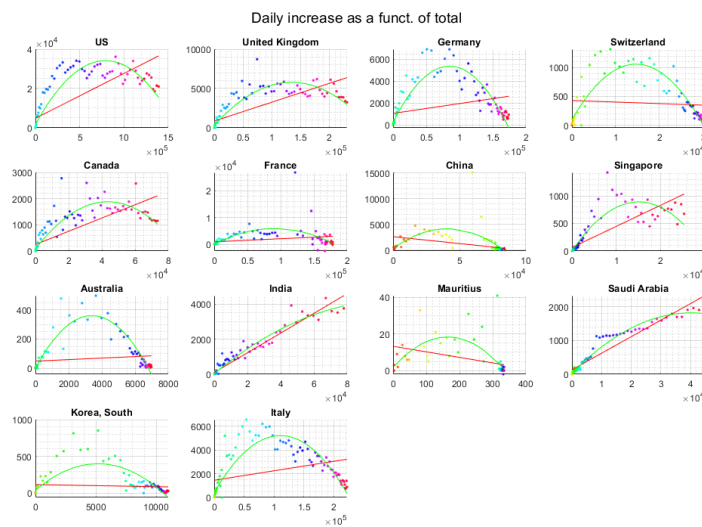
Written by D.S.Jokhun on 2020.03.21
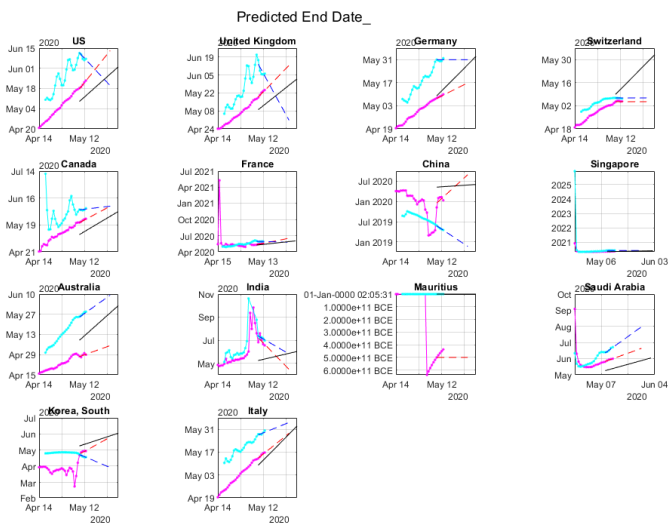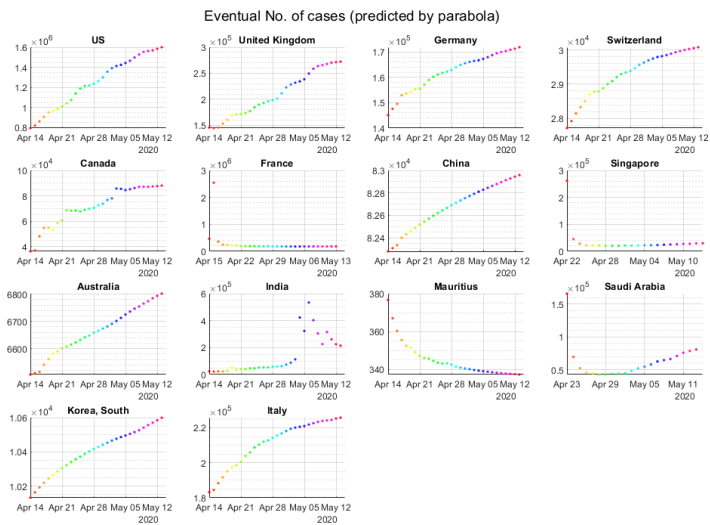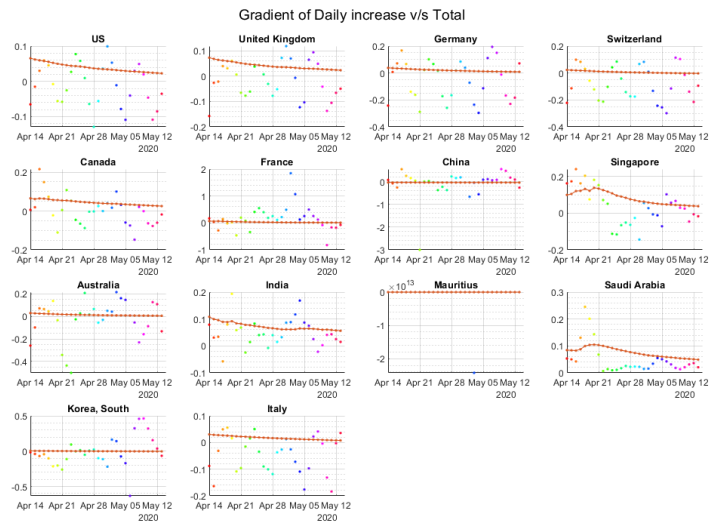
The data has been provided by johns hopkins csse

- Forked from https://github.com/cssegisanddata/covid-19.git
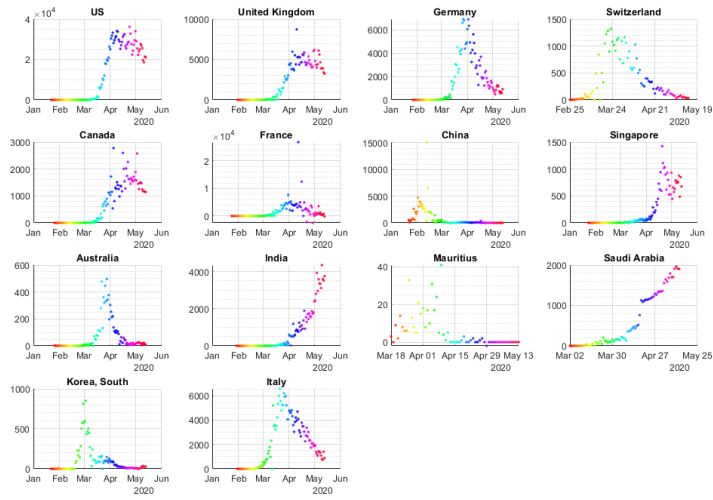
```
DailyReportGenerator
```

```
Data_StartDate = datetime
    22-Jan-2020
Data_EndDate = datetime
    13-May-2020 00:00:00
Starting parallel pool (parpool) using the 'local' profile ...
Connected to the parallel pool (number of workers: 8).
```
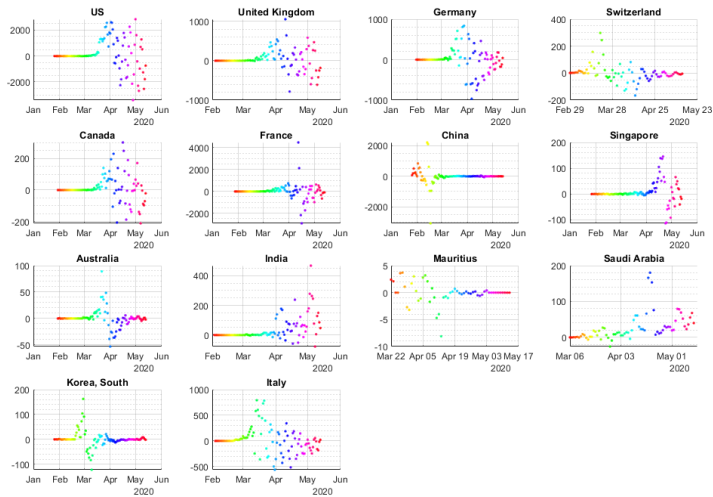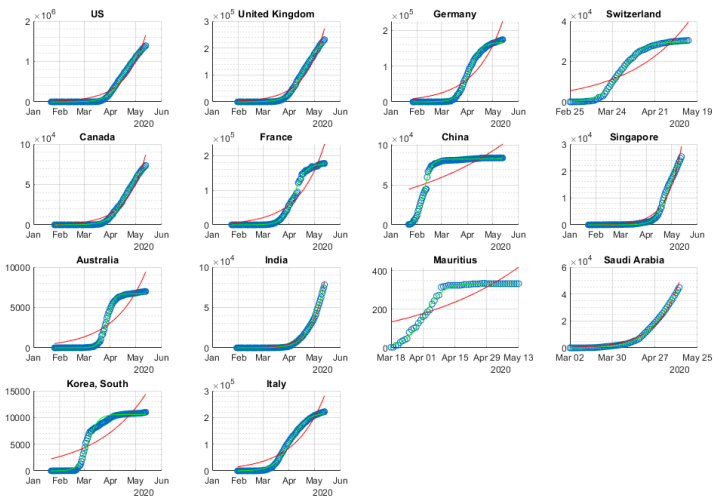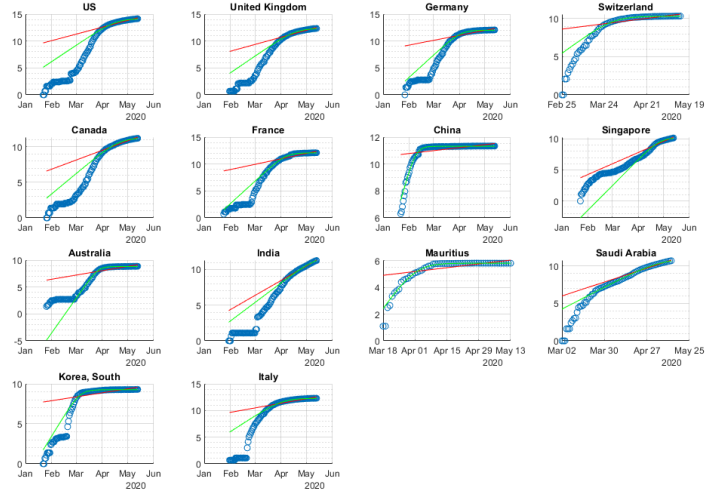

Daily increase as a funct. of total

Gradient of Daily increase v/s Total

Eventual No. of cases (predicted by parabola)

Predicted End Date_

2

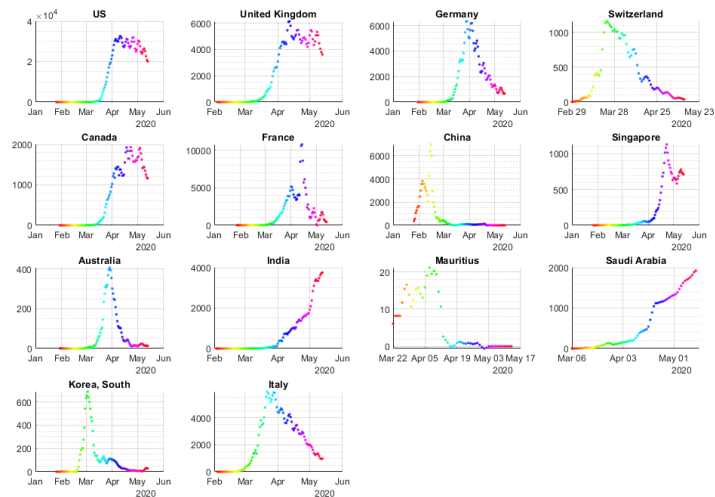Daily Increase

Gradient of Daily Increase

Total No. of cases

3

Log of total number of cases (exponent v/s time)

Gradient of total number of cases

Goodness of Fit - Exponential and Sigmoid