



Modeling the Dynamics of COVID-19

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Data Source

- ☒ Local
☐ Our World In Data

Continent

Europe

Country

Sweden

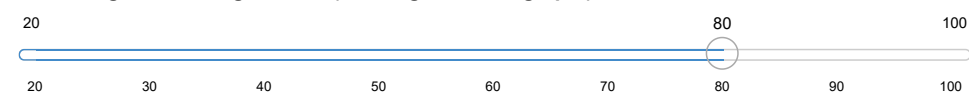
Modeling Period

2020-04-04

to

2020-06-01

Percentage of Training Dataset (Training vs. Testing Split):



Variable of Interest

- ☒ New Cases
☐ New Deaths

Sweden

The study timeframe starts from **2020-04-04** until **2020-06-01** covering **59** days.

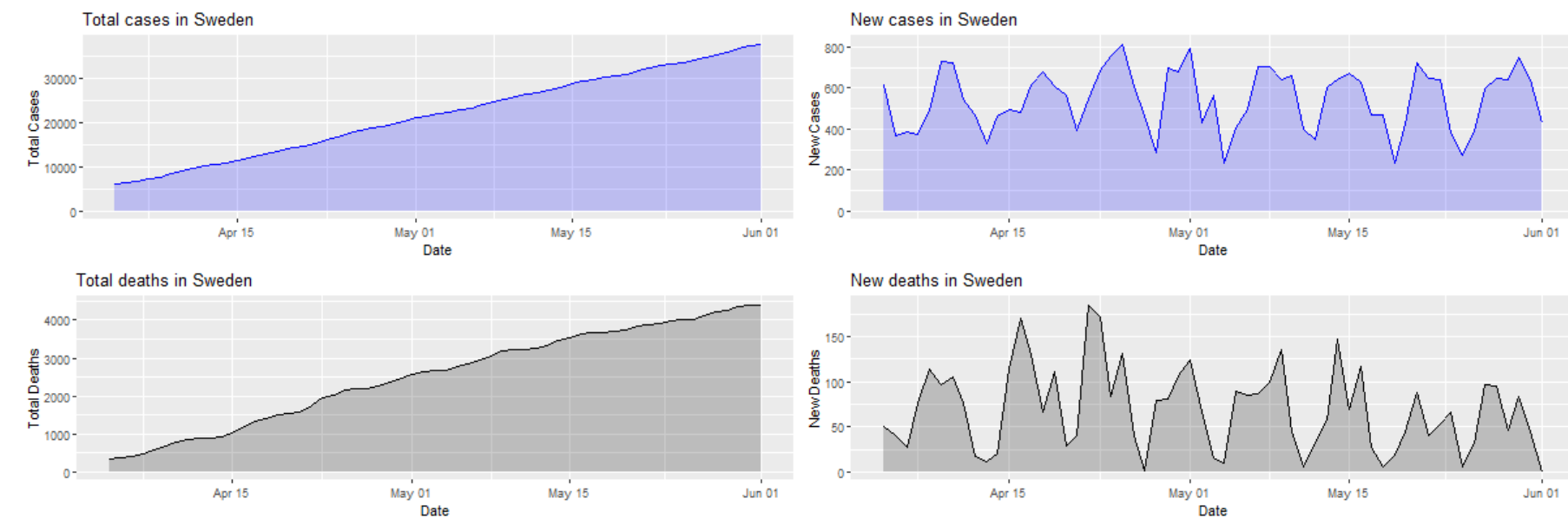
The first case was reported on: **2020-04-04**

The first death was reported on: **2020-04-04**

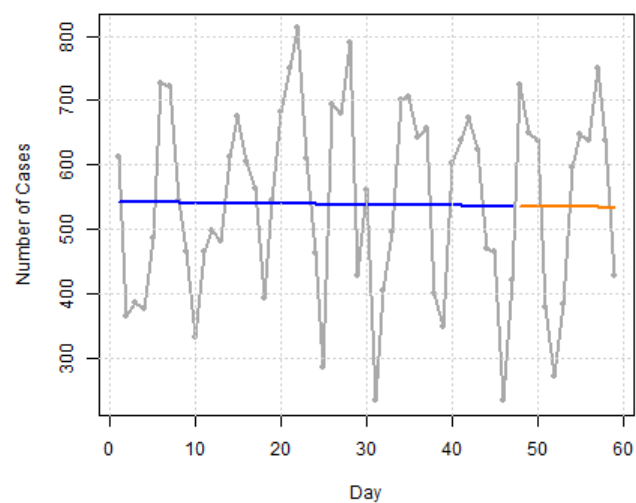
The total cumulative number of cases by the last day in the selected period is **37542** cases.

The total number of deaths by the last day in the selected period is **4395** deaths.

Cases vs. Deaths Overview

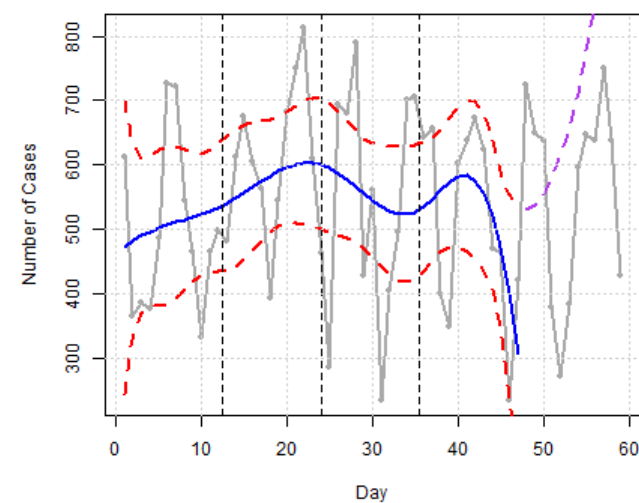


New Cases in Sweden (Actual vs. LR)



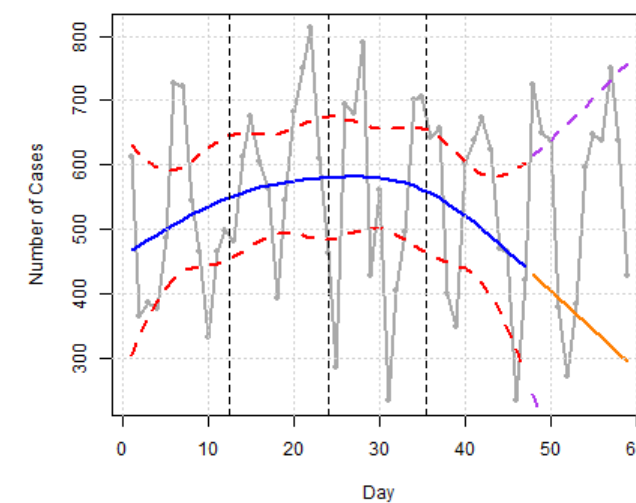
AIC = 607.905
BIC = 613.456
Training MSE = 21,345.99
Testing MSE = 22,582.19

New Cases in Sweden (Actual vs. Cubic Spline)



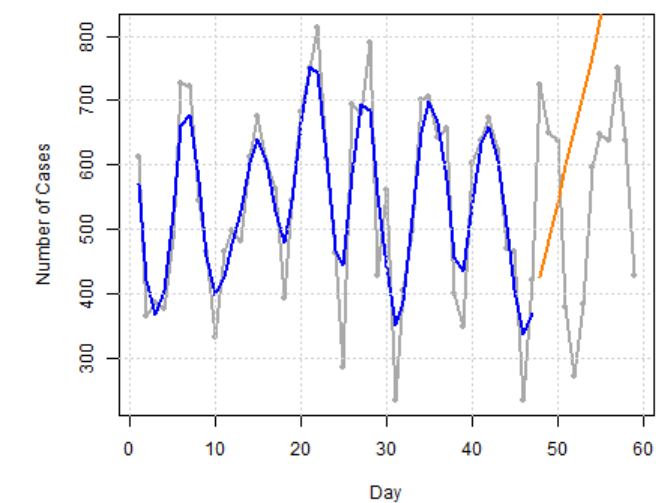
AIC = 611.033
BIC = 625.834
Training MSE = 18,442.2
Testing MSE = 4,838,104

New Cases in Sweden (Actual vs. Natural Spline)



AIC = 610.185
BIC = 621.285
Training MSE = 19,721.29
Testing MSE = 63,718.01

New Cases in Sweden (Actual vs. Smoothing Spline)



Degrees of Freedom = 22.367
AIC = 345,873.5
BIC = 345,914.9
Training MSE = 3,679.03
Testing MSE = 91,803.15