

Modeling the Dynamics of COVID-19

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Data Source

- ☒ Local
☐ Our World In Data

Continent

Europe

Country

Finland

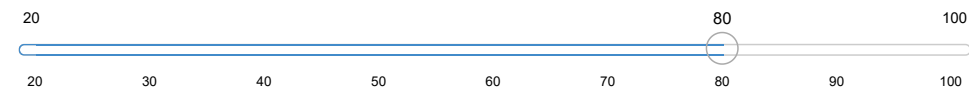
Modeling Period

2020-04-04

to

2020-06-01

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



Variable of Interest

- ☒ New Cases
☐ New Deaths

Finland

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

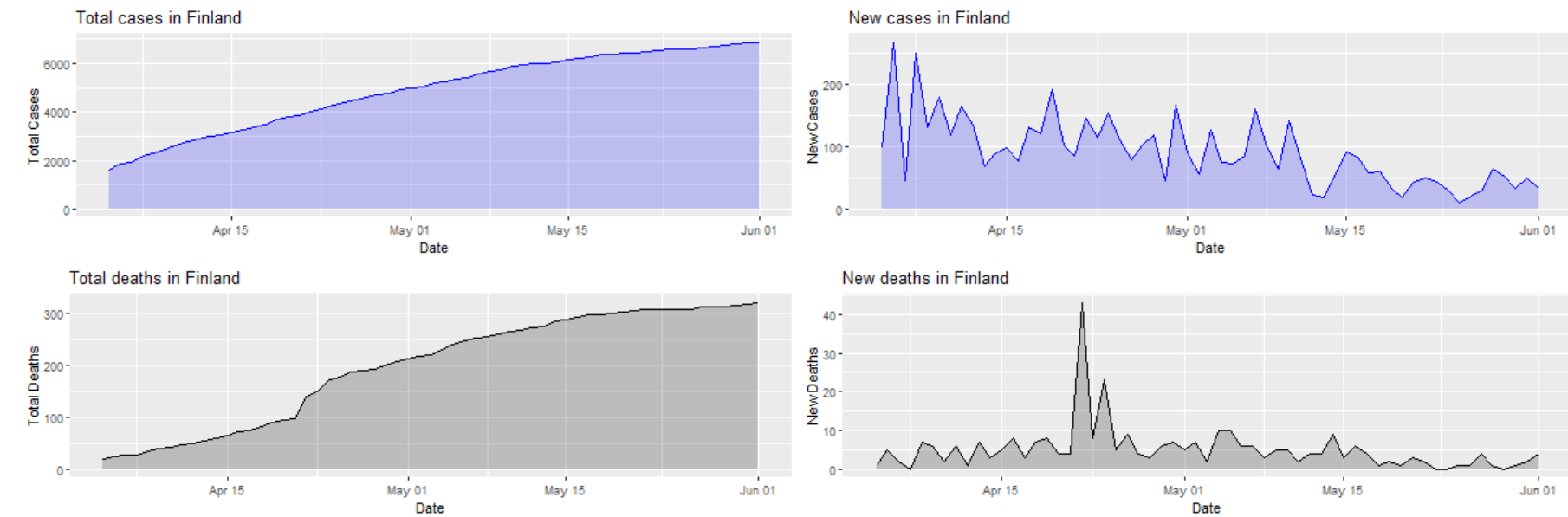
The first case was reported on: **2020-04-04**

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

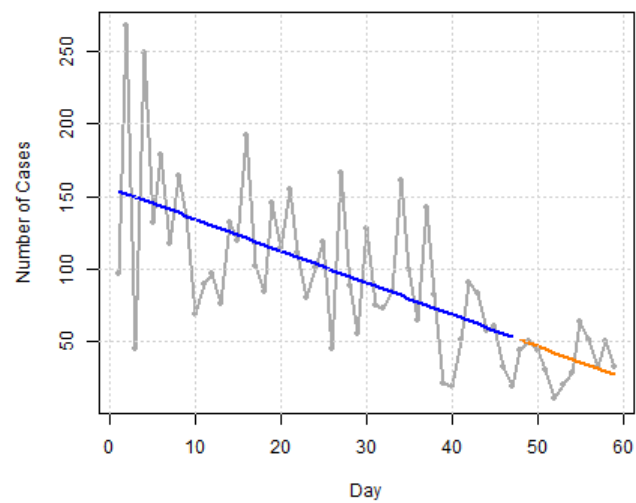
The total cumulative number of cases by the last day in the selected period is **6859** cases.

The total number of deaths by the last day in the selected period is **320** deaths.

Cases vs. Deaths Overview

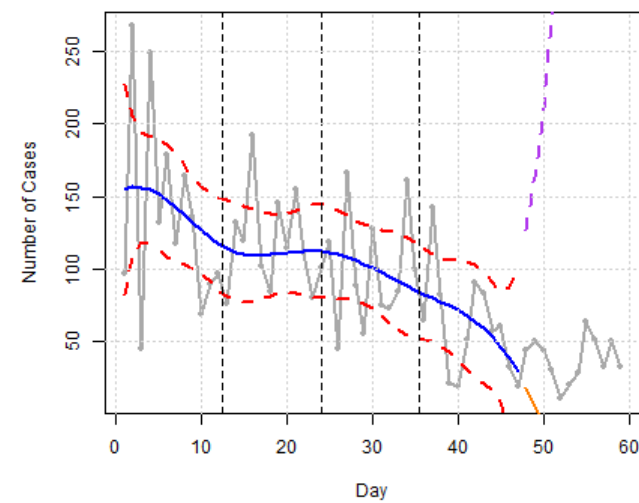


New Cases in Finland (Actual vs. LR)



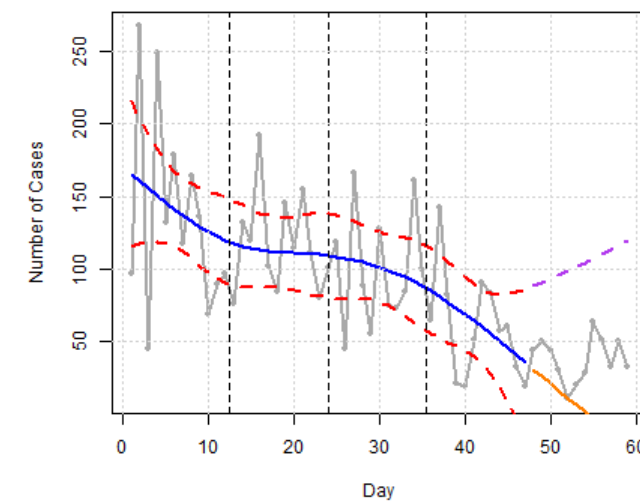
AIC = 494.957
BIC = 500.507
Training MSE = 1,930.35
Testing MSE = 273.82

New Cases in Finland (Actual vs. Cubic Spline)



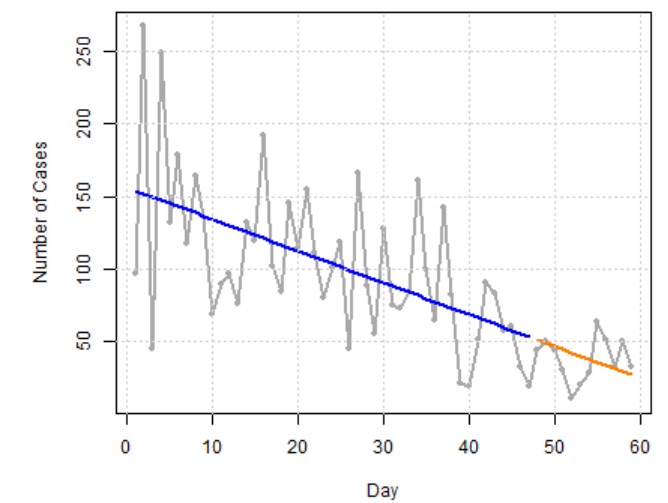
AIC = 503.061
BIC = 517.862
Training MSE = 1,854.04
Testing MSE = 23,648.08

New Cases in Finland (Actual vs. Natural Spline)



AIC = 499.343
BIC = 510.444
Training MSE = 1,865.19
Testing MSE = 1,682.54

New Cases in Finland (Actual vs. Smoothing Spline)



Degrees of Freedom = 2
AIC = 181,457
BIC = 181,460.7
Training MSE = 1,930.35
Testing MSE = 273.82