



Modeling the Dynamics of COVID-19

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Data Source

- ☒ Local
☐ Our World In Data

Continent

Europe

Country

Hungary

Modeling Period

2020-04-04 to 2020-06-01

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



Variable of Interest

- ☒ New Cases
☐ New Deaths

Hungary

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

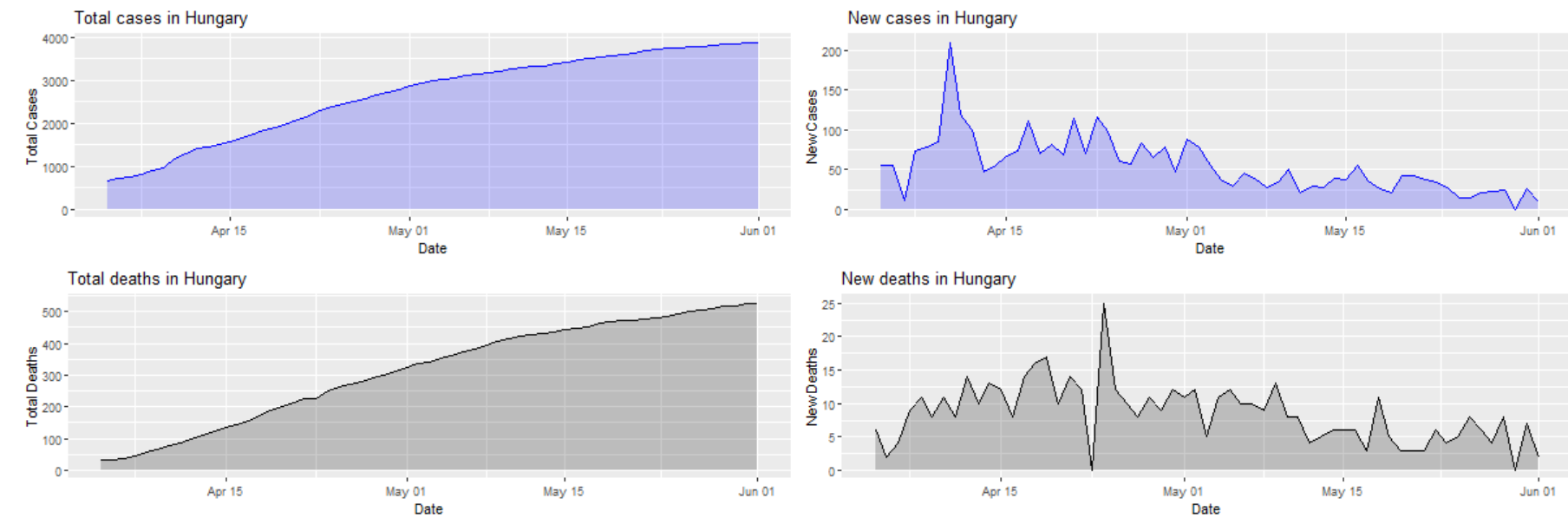
The first case was reported on: **2020-04-04**

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

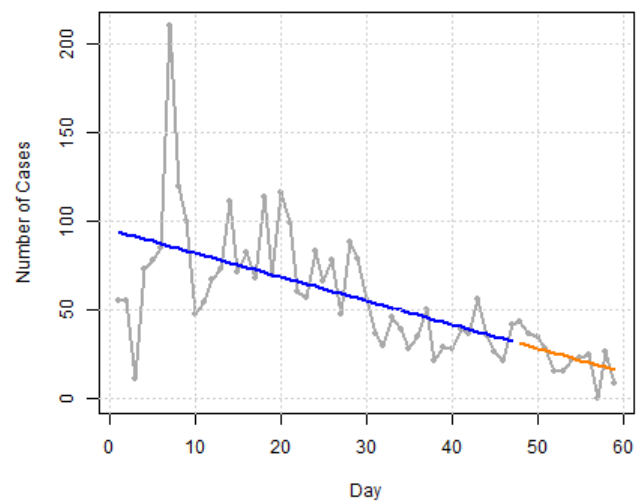
The total cumulative number of cases by the last day in the selected period is **3876** cases.

The total number of deaths by the last day in the selected period is **526** deaths.

Cases vs. Deaths Overview

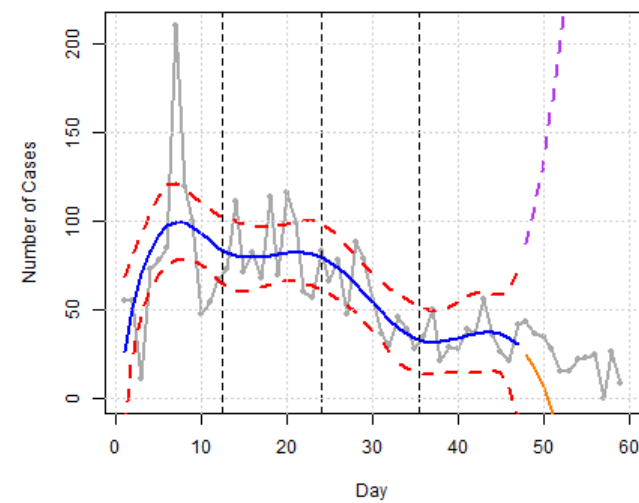


New Cases in Hungary (Actual vs. LR)



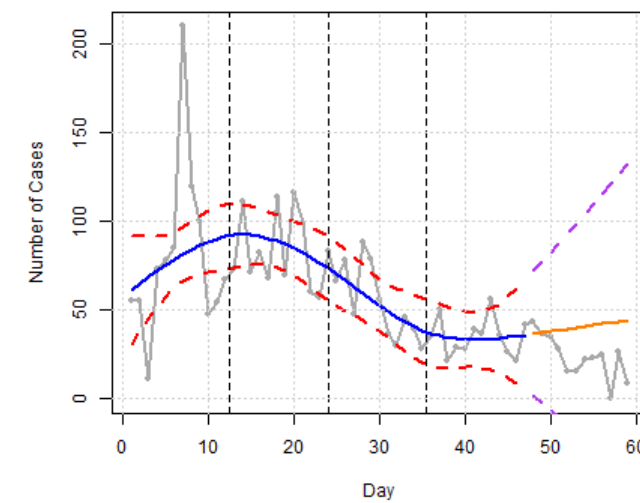
AIC = 457.17
BIC = 462.721
Training MSE = 863.93
Testing MSE = 79.2

New Cases in Hungary (Actual vs. Cubic Spline)



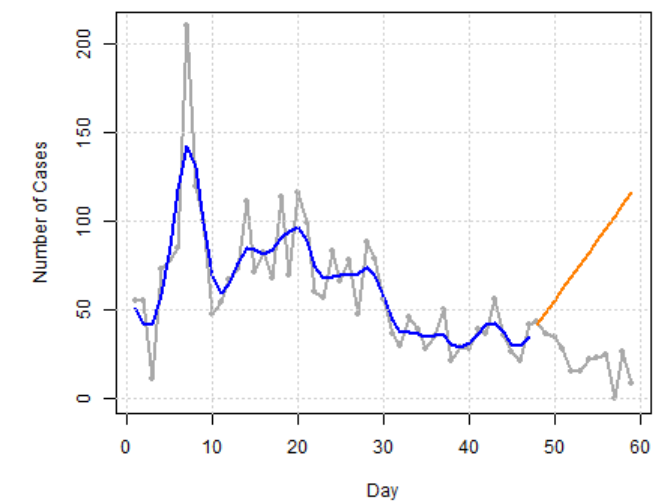
AIC = 451.85
BIC = 466.651
Training MSE = 623.6
Testing MSE = 14,367.56

New Cases in Hungary (Actual vs. Natural Spline)



AIC = 453.956
BIC = 465.057
Training MSE = 710.13
Testing MSE = 478.84

New Cases in Hungary (Actual vs. Smoothing Spline)



Degrees of Freedom = 18.137
AIC = 25,462.3
BIC = 25,495.86
Training MSE = 270.49
Testing MSE = 4,228.59