

Modeling the Dynamics of COVID-19

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Data Source

- ☒ Local
☐ Our World In Data

Continent

Europe

Country

Iceland

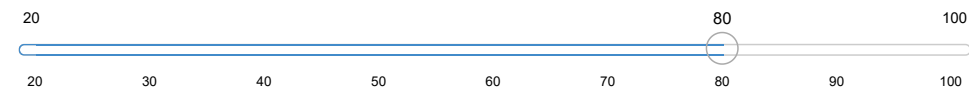
Modeling Period

2020-04-04

to

2020-06-01

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



Variable of Interest

- ☒ New Cases
☐ New Deaths

Iceland

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

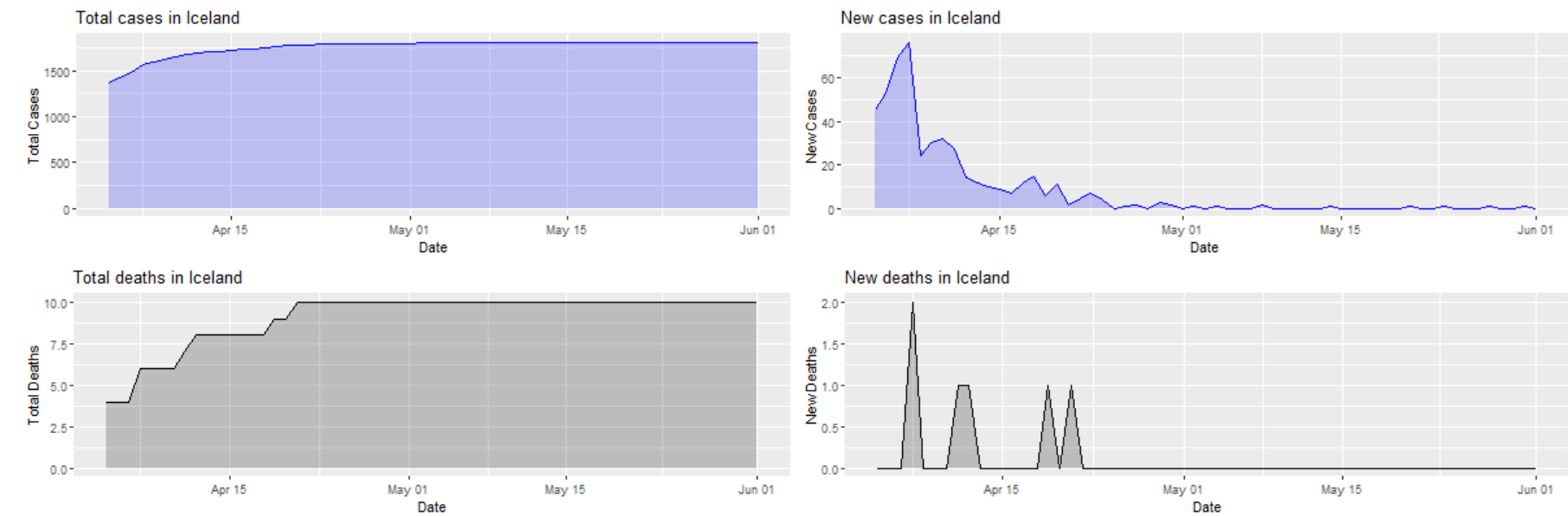
The first case was reported on: **2020-04-04**

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

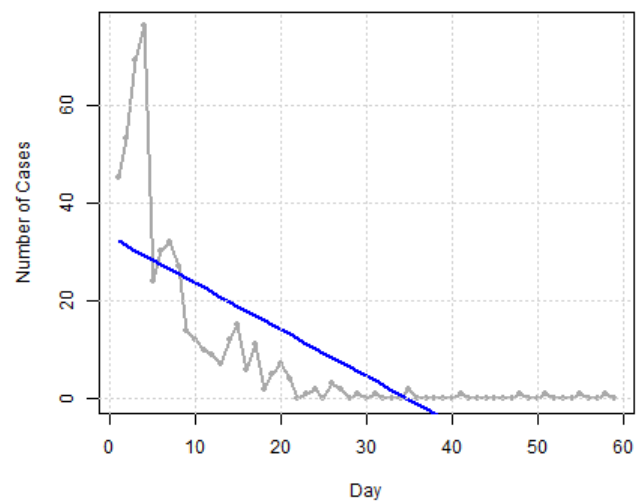
The total cumulative number of cases by the last day in the selected period is **1806** cases.

The total number of deaths by the last day in the selected period is **10** deaths.

Cases vs. Deaths Overview

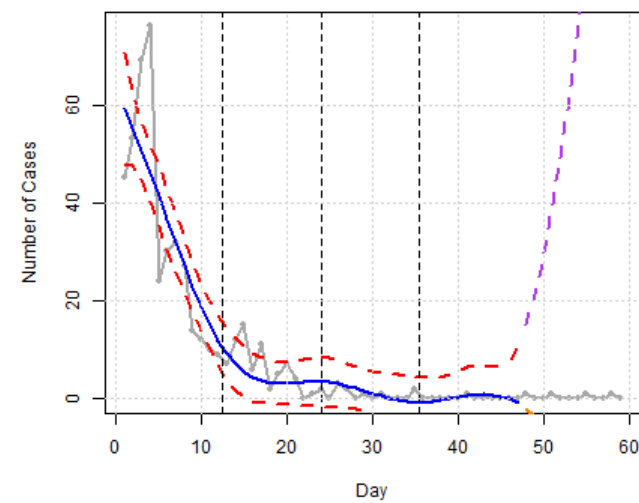


New Cases in Iceland (Actual vs. LR)



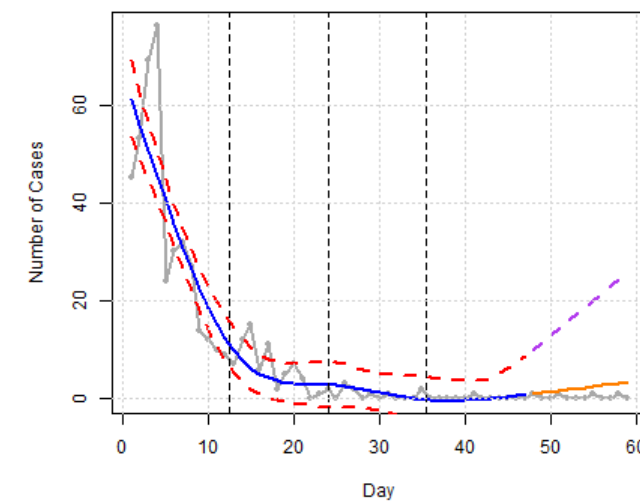
AIC = 374.674
BIC = 380.225
Training MSE = 149.34
Testing MSE = 339.43

New Cases in Iceland (Actual vs. Cubic Spline)



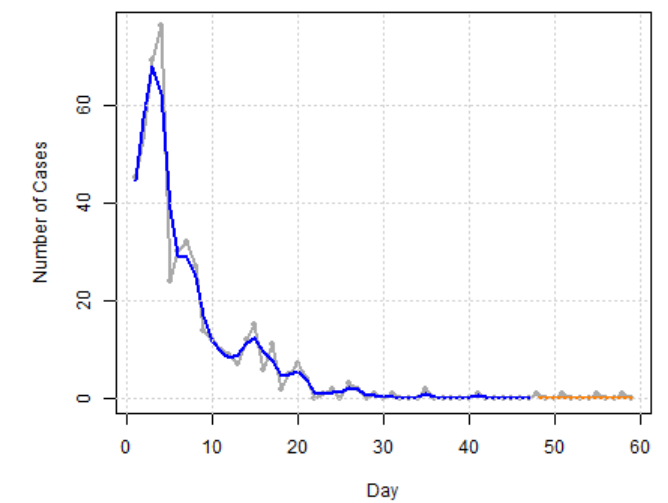
AIC = 329.678
BIC = 344.48
Training MSE = 46.35
Testing MSE = 685.15

New Cases in Iceland (Actual vs. Natural Spline)



AIC = 326.16
BIC = 337.261
Training MSE = 46.82
Testing MSE = 4.11

New Cases in Iceland (Actual vs. Smoothing Spline)



Degrees of Freedom = 25.362
AIC = 1,042.166
BIC = 1,089.09
Training MSE = 10.55
Testing MSE = 0.33