

Modeling the Dynamics of COVID-19

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Data Source

- ☒ Local
☐ Our World In Data

Continent

Europe

Country

Moldova

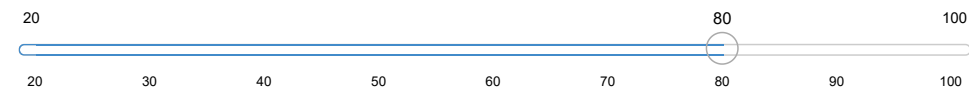
Modeling Period

2020-04-04

to

2020-06-01

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



Variable of Interest

- ☒ New Cases
☐ New Deaths

Moldova

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

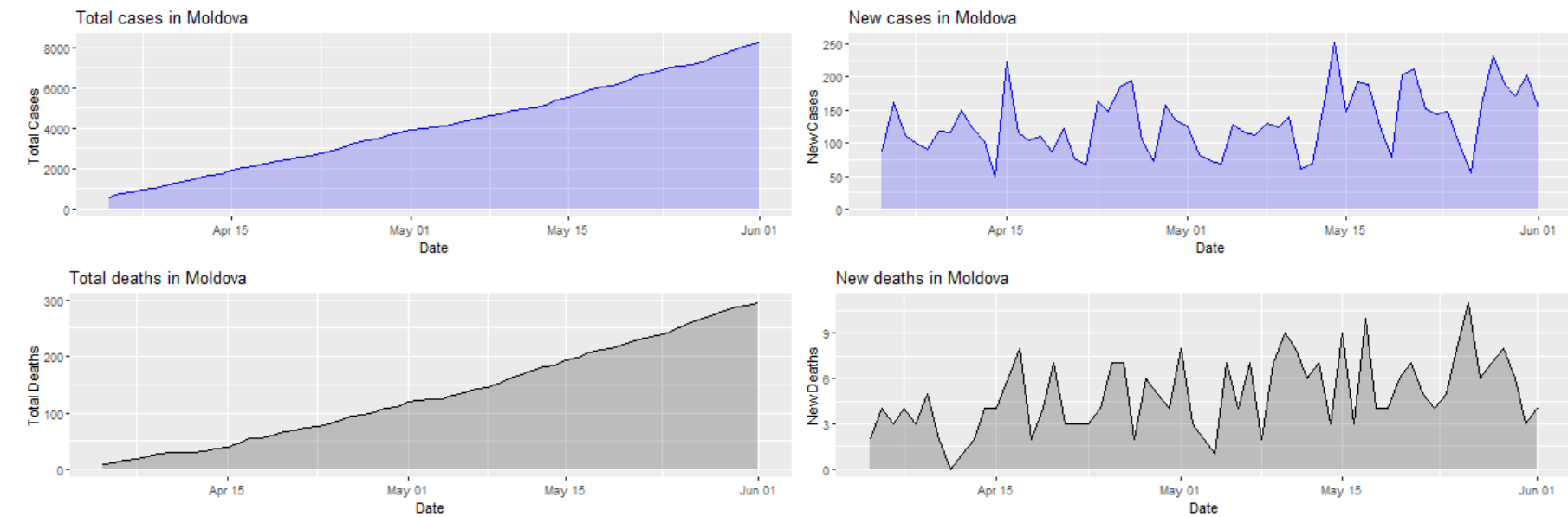
The first case was reported on: **2020-04-04**

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

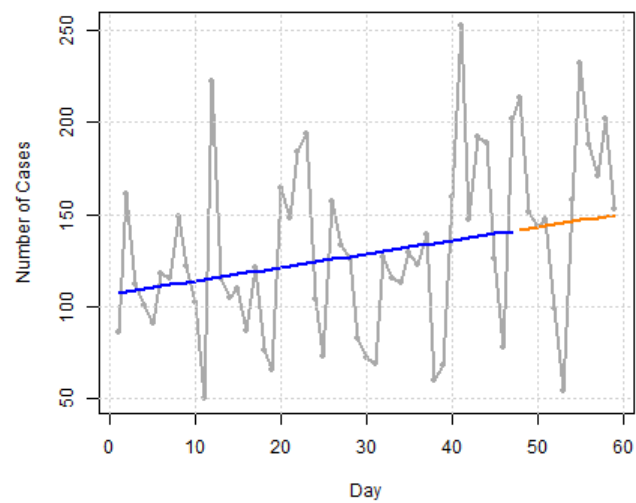
The total cumulative number of cases by the last day in the selected period is **8251** cases.

The total number of deaths by the last day in the selected period is **295** deaths.

Cases vs. Deaths Overview



New Cases in Moldova (Actual vs. LR)



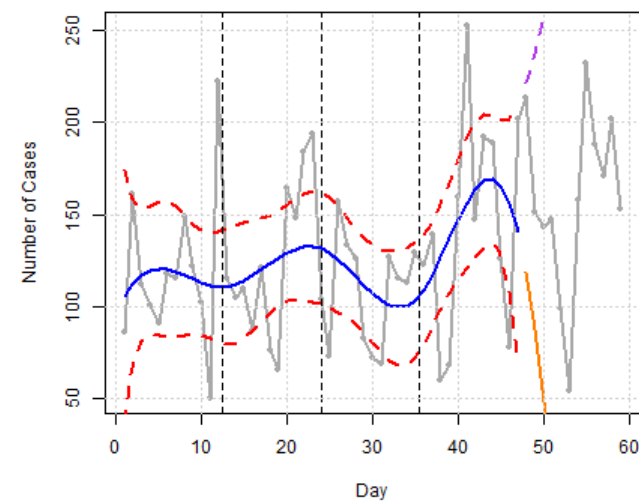
AIC = 494.103

BIC = 499.654

Training MSE = 1,895.61

Testing MSE = 2,330.54

New Cases in Moldova (Actual vs. Cubic Spline)



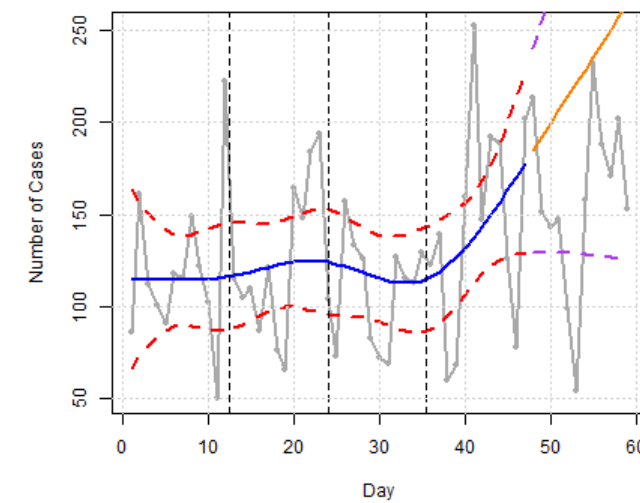
AIC = 497.877

BIC = 512.678

Training MSE = 1,660.41

Testing MSE = 267,904.6

New Cases in Moldova (Actual vs. Natural Spline)



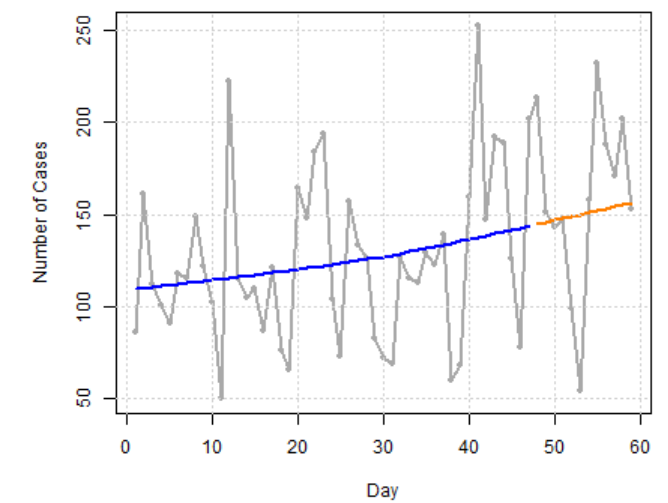
AIC = 496.705

BIC = 507.806

Training MSE = 1,763.39

Testing MSE = 6,653.4

New Cases in Moldova (Actual vs. Smoothing Spline)



Degrees of Freedom = 2.216

AIC = 176,362.9

BIC = 176,367

Training MSE = 1,876.16

Testing MSE = 2,212.81