



Modeling the Dynamics of COVID-19

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Data Source

- ☒ Local
☐ Our World In Data

Continent

Europe

Country

Russia

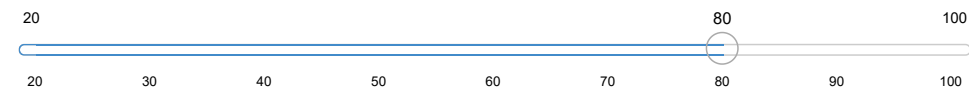
Modeling Period

2020-04-04

to

2020-06-01

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



Variable of Interest

- ☒ New Cases
☐ New Deaths

Russia

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

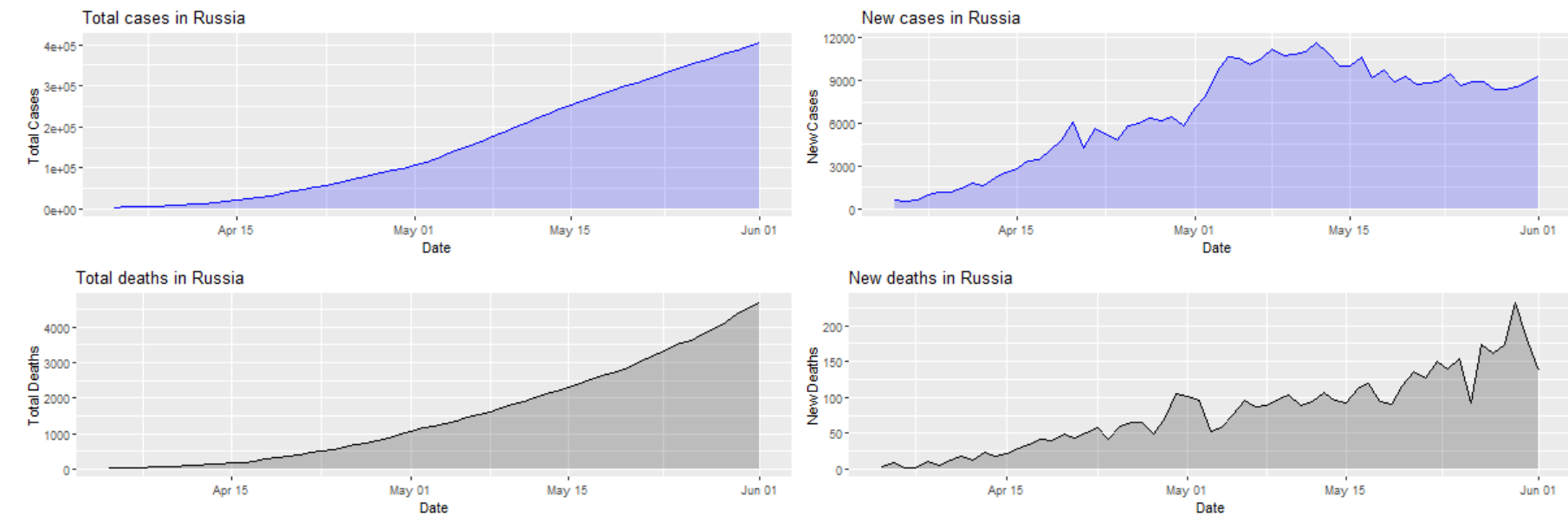
The first case was reported on: **2020-04-04**

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

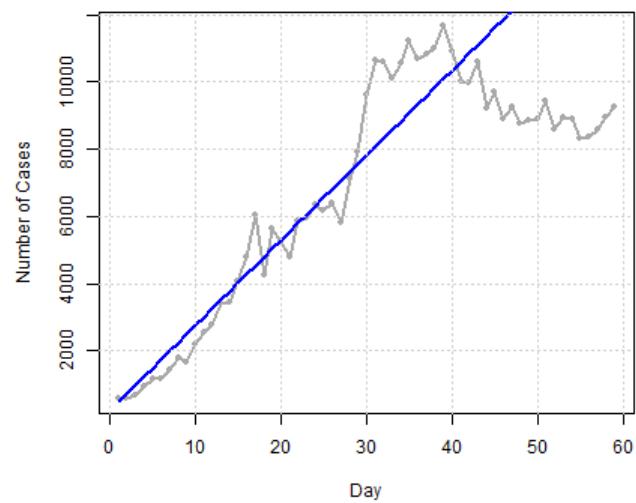
The total cumulative number of cases by the last day in the selected period is **405843** cases.

The total number of deaths by the last day in the selected period is **4693** deaths.

Cases vs. Deaths Overview

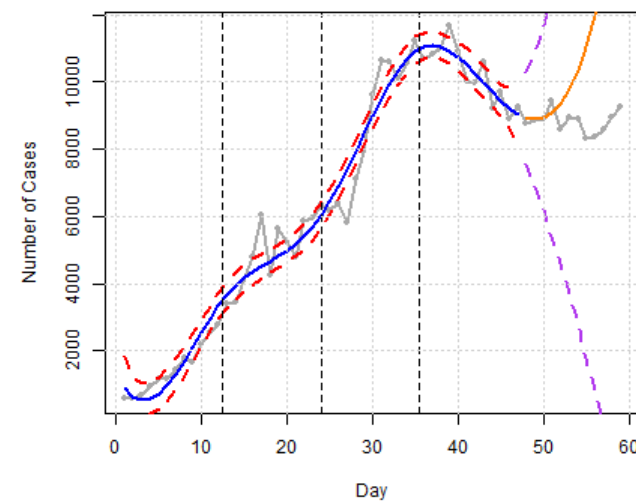


New Cases in Russia (Actual vs. LR)



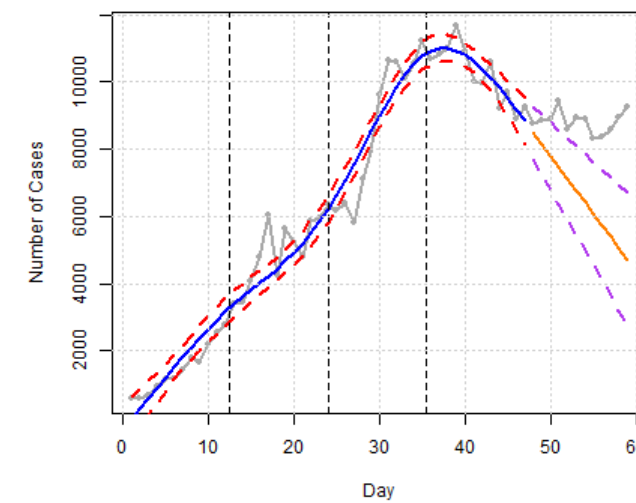
AIC = 805.605
BIC = 811.155
Training MSE = 1,432,592
Testing MSE = 25,372,015

New Cases in Russia (Actual vs. Cubic Spline)



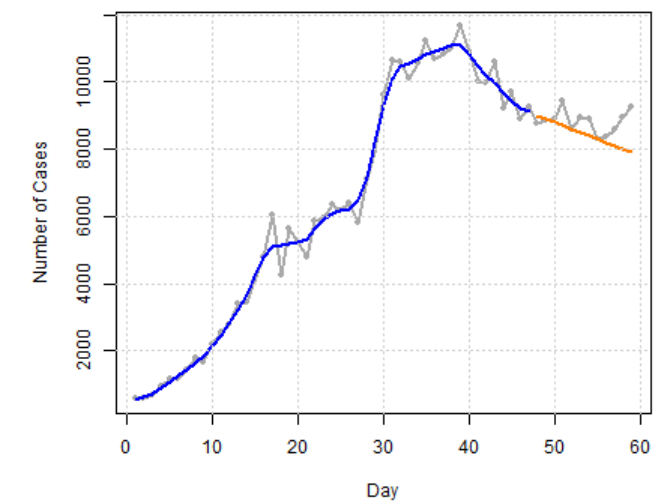
AIC = 740.163
BIC = 754.964
Training MSE = 287,751.5
Testing MSE = 9,888,671

New Cases in Russia (Actual vs. Natural Spline)



AIC = 746.24
BIC = 757.341
Training MSE = 356,555.8
Testing MSE = 6,359,370

New Cases in Russia (Actual vs. Smoothing Spline)



Degrees of Freedom = 16.454
AIC = 10,696,724
BIC = 10,696,755
Training MSE = 113,794.6
Testing MSE = 336,395.9