

Modeling the Dynamics of COVID-19

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Data Source

- ☒ Local
☐ Our World In Data

Continent

Europe

Country

Kosovo

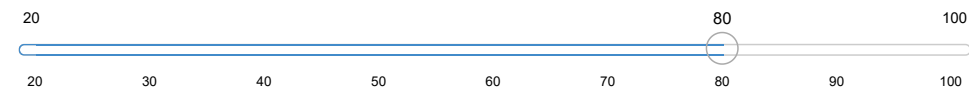
Modeling Period

2020-04-04

to

2020-06-01

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



Variable of Interest

- ☒ New Cases
☐ New Deaths

Kosovo

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

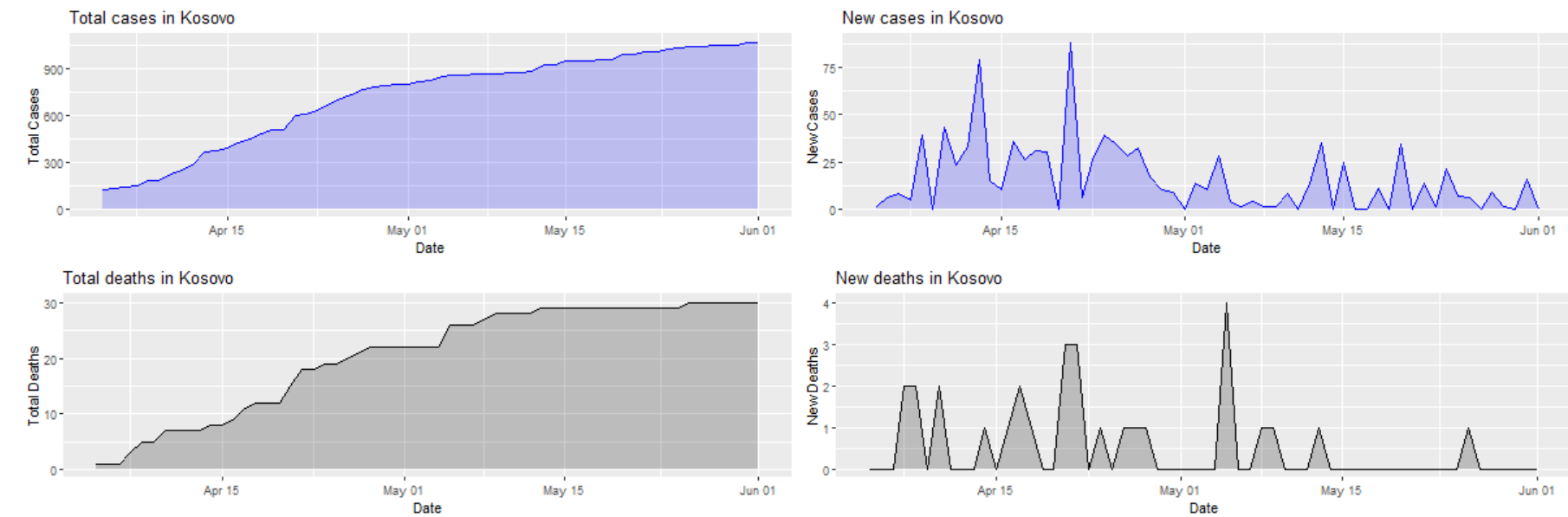
The first case was reported on: **2020-04-04**

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

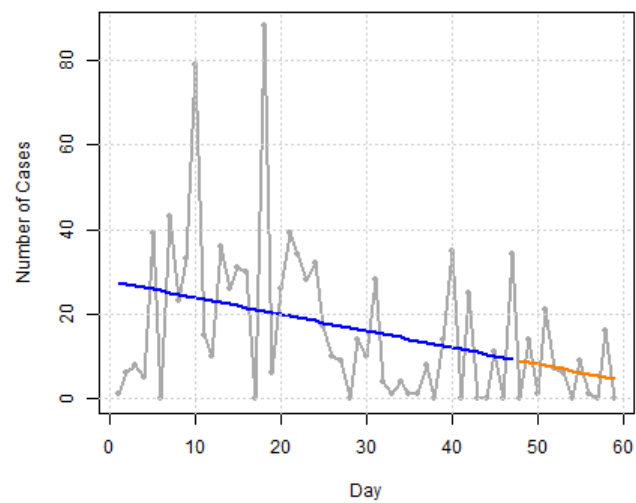
The total cumulative number of cases by the last day in the selected period is **1064** cases.

The total number of deaths by the last day in the selected period is **30** deaths.

Cases vs. Deaths Overview

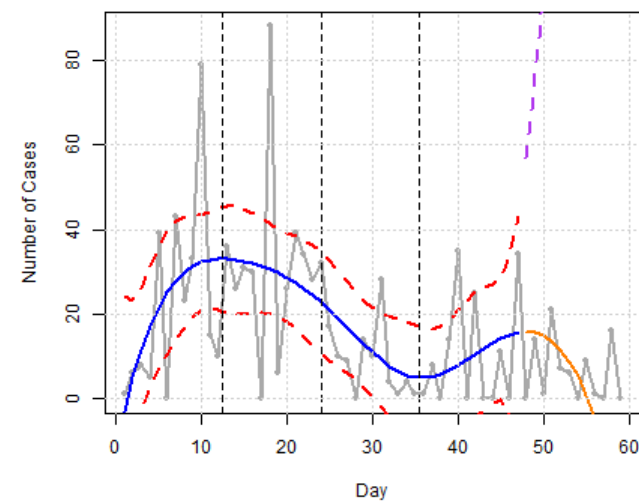


New Cases in Kosovo (Actual vs. LR)



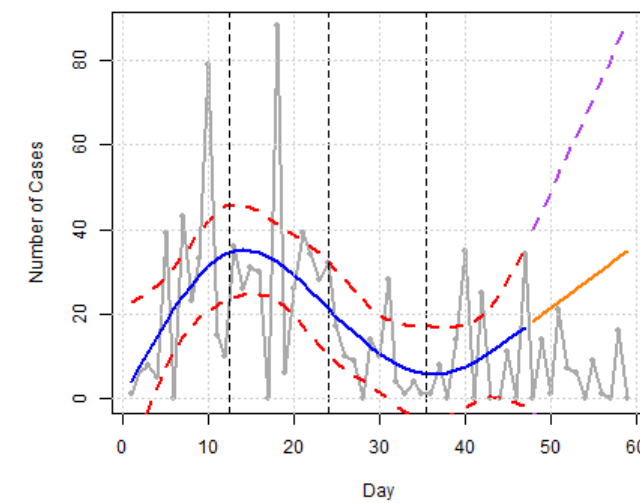
AIC = 414.006
BIC = 419.557
Training MSE = 344.85
Testing MSE = 48.57

New Cases in Kosovo (Actual vs. Cubic Spline)



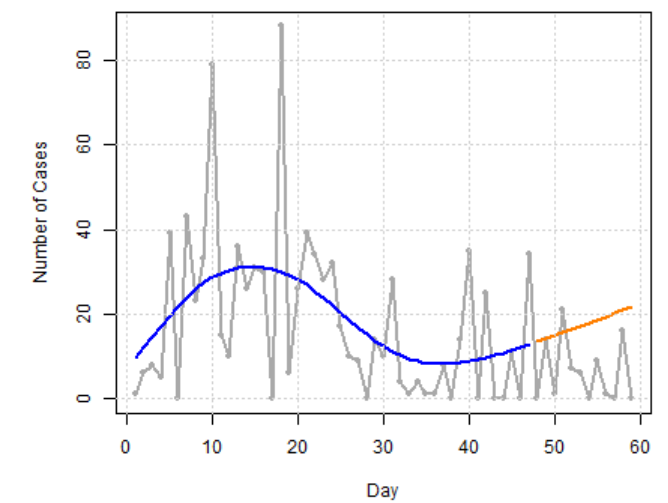
AIC = 411.558
BIC = 426.359
Training MSE = 264.61
Testing MSE = 223.11

New Cases in Kosovo (Actual vs. Natural Spline)



AIC = 408.187
BIC = 419.288
Training MSE = 268.17
Testing MSE = 503.09

New Cases in Kosovo (Actual vs. Smoothing Spline)



Degrees of Freedom = 4.465
AIC = 25.532
BIC = 25,540.26
Training MSE = 271.52
Testing MSE = 189.45