



# Modeling the Dynamics of COVID-19

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## Data Source

- ☒ Local  
☐ Our World In Data

## Continent

Europe

## Country

Slovenia

## Modeling Period

2020-04-04 to 2020-06-01

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



## Variable of Interest

- ☒ New Cases  
☐ New Deaths

## Slovenia

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

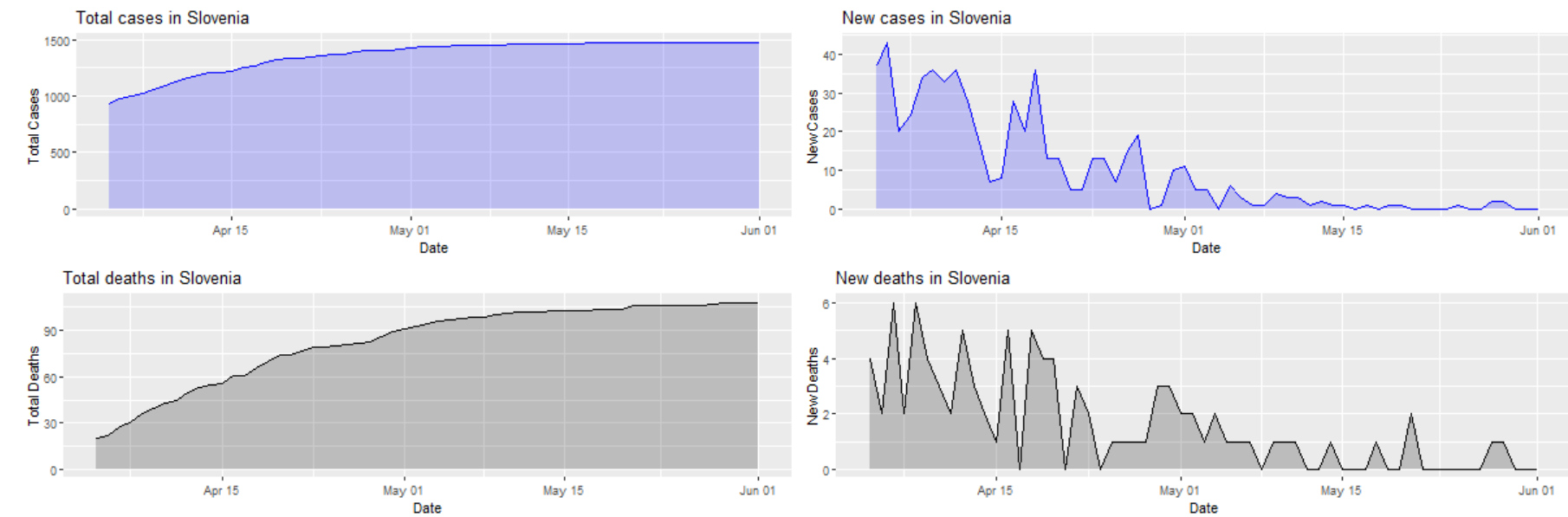
The first case was reported on: **2020-04-04**

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

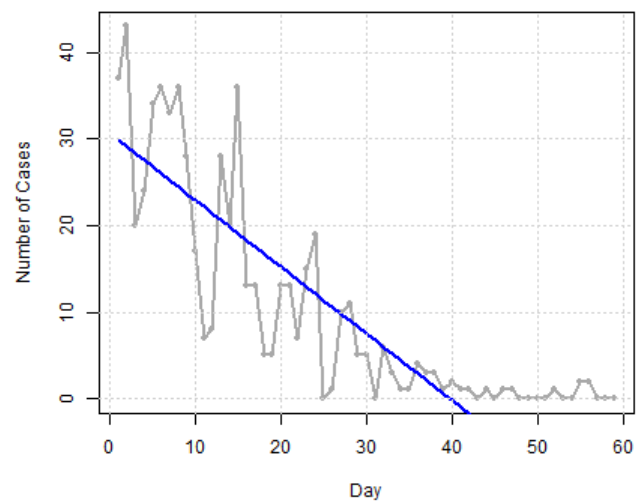
The total cumulative number of cases by the last day in the selected period is **1473** cases.

The total number of deaths by the last day in the selected period is **108** deaths.

## Cases vs. Deaths Overview

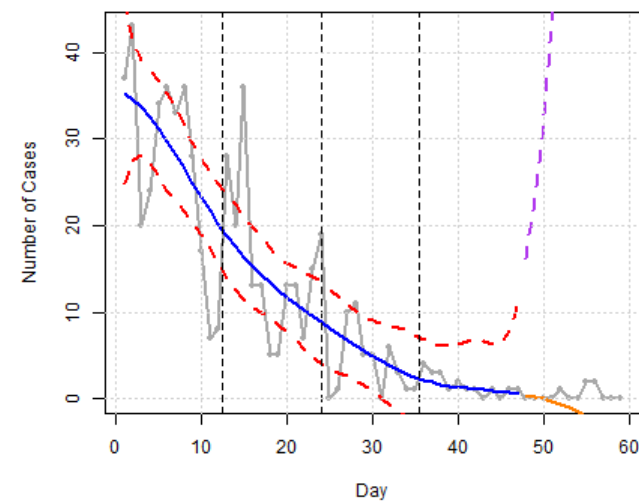


New Cases in Slovenia (Actual vs. LR)



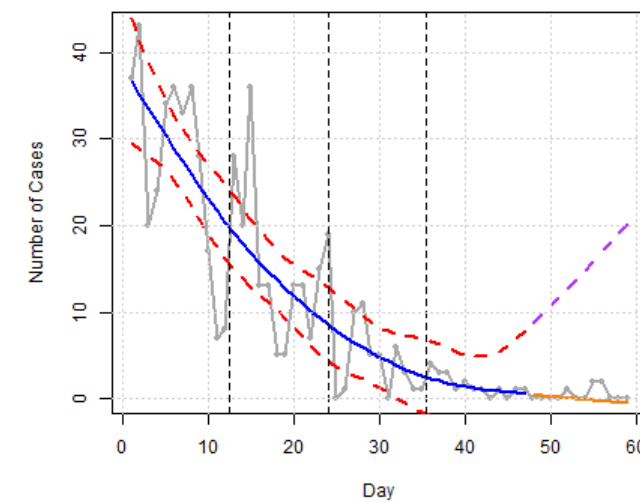
AIC = 322.974  
BIC = 328.524  
Training MSE = 49.71  
Testing MSE = 130.1

New Cases in Slovenia (Actual vs. Cubic Spline)



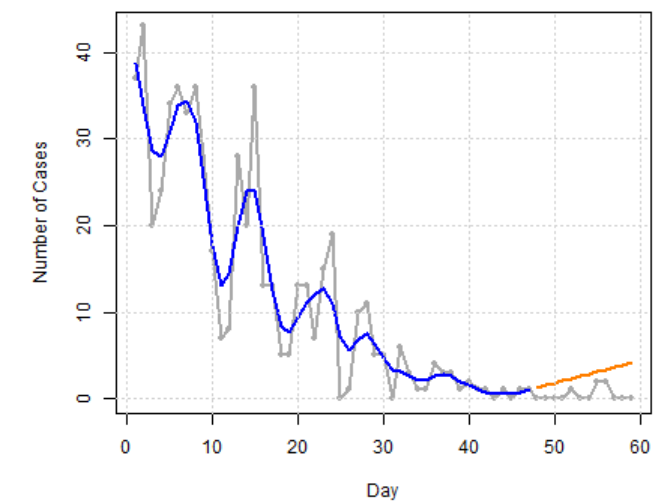
AIC = 321.915  
BIC = 336.716  
Training MSE = 39.29  
Testing MSE = 8.68

New Cases in Slovenia (Actual vs. Natural Spline)



AIC = 318.077  
BIC = 329.178  
Training MSE = 39.42  
Testing MSE = 1

New Cases in Slovenia (Actual vs. Smoothing Spline)



Degrees of Freedom = 17.522  
AIC = 1,629.661  
BIC = 1,662.079  
Training MSE = 16.96  
Testing MSE = 6.46