

Modeling the Dynamics of COVID-19

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Data Source

- ☒ Local
☐ Our World In Data

Continent

Europe

Country

Monaco

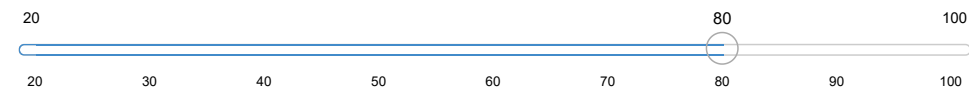
Modeling Period

2020-04-04

to

2020-06-01

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



Variable of Interest

- ☒ New Cases
☐ New Deaths

Monaco

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

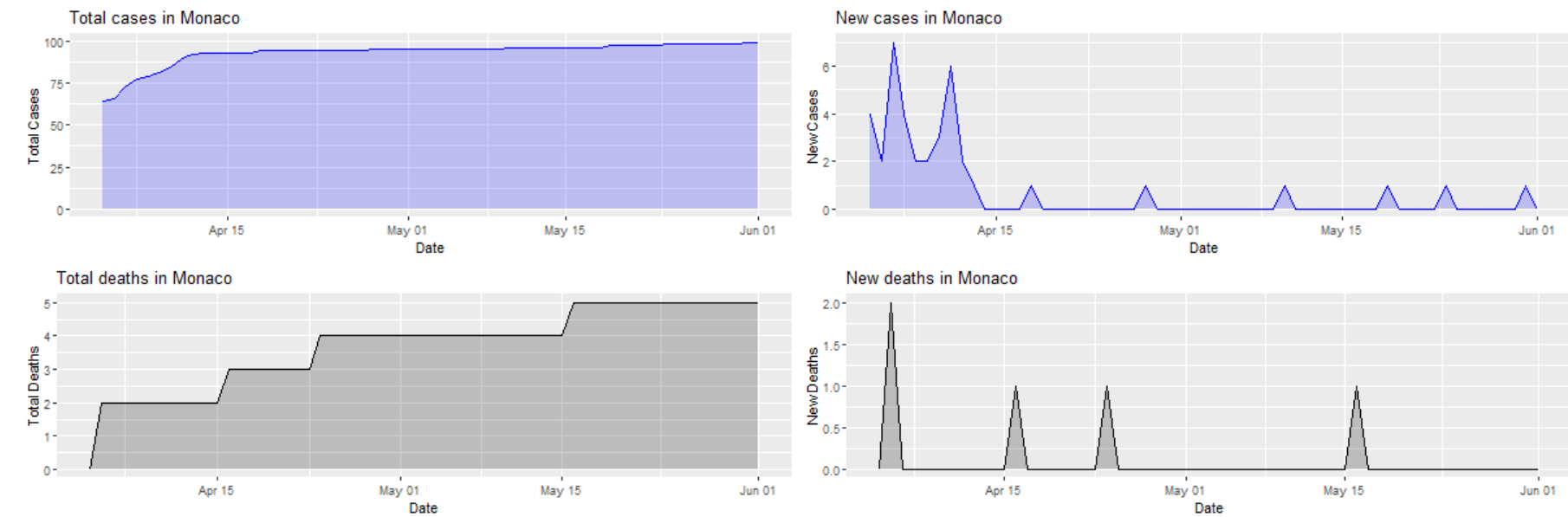
The first case was reported on: **2020-04-04**

The first death was reported on: **2020-04-05**

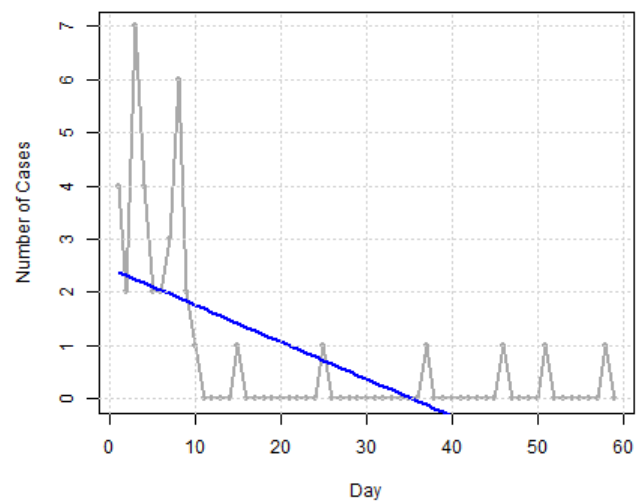
The total cumulative number of cases by the last day in the selected period is **99** cases.

The total number of deaths by the last day in the selected period is **5** deaths.

Cases vs. Deaths Overview

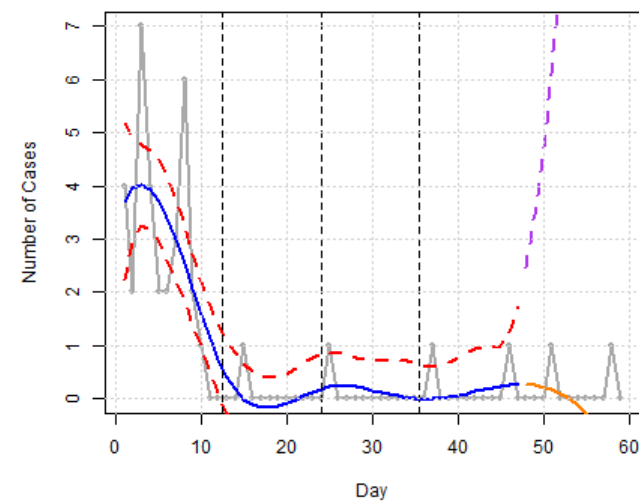


New Cases in Monaco (Actual vs. LR)



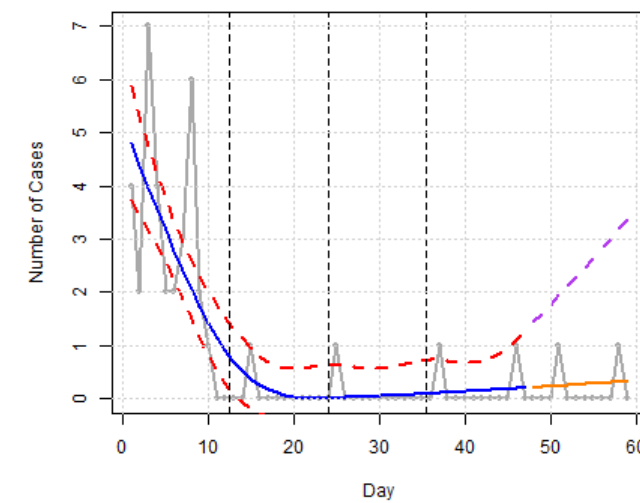
AIC = 162.033
BIC = 167.583
Training MSE = 1.62
Testing MSE = 2.26

New Cases in Monaco (Actual vs. Cubic Spline)



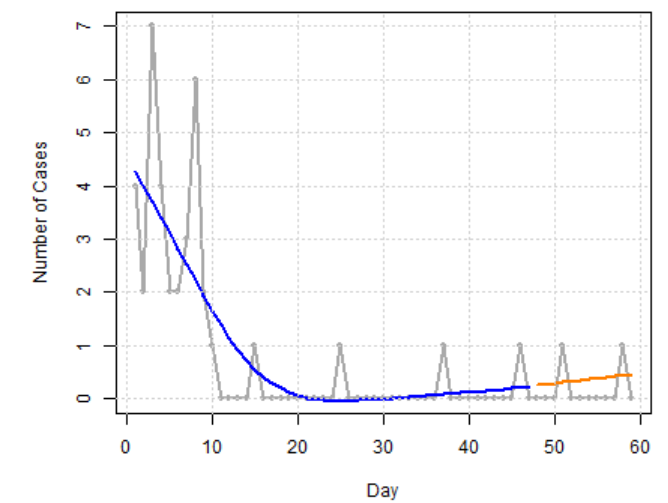
AIC = 136.585
BIC = 151.386
Training MSE = 0.76
Testing MSE = 0.57

New Cases in Monaco (Actual vs. Natural Spline)



AIC = 137.681
BIC = 148.782
Training MSE = 0.85
Testing MSE = 0.15

New Cases in Monaco (Actual vs. Smoothing Spline)



Degrees of Freedom = 4.416
AIC = 88.738
BIC = 96.909
Training MSE = 0.85
Testing MSE = 0.17