



Modeling the Dynamics of COVID-19

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Data Source

- ☒ Local
☐ Our World In Data

Continent

Europe

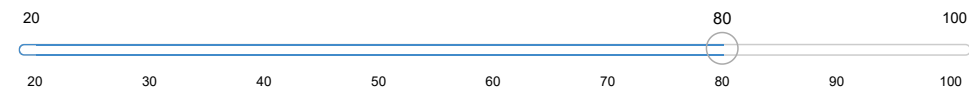
Country

Ireland

Modeling Period

2020-04-04 to 2020-06-01

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



Variable of Interest

- ☒ New Cases
☐ New Deaths

Ireland

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

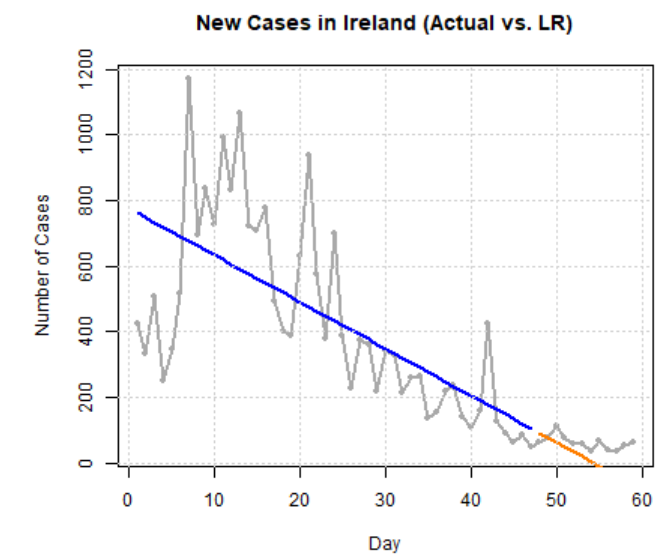
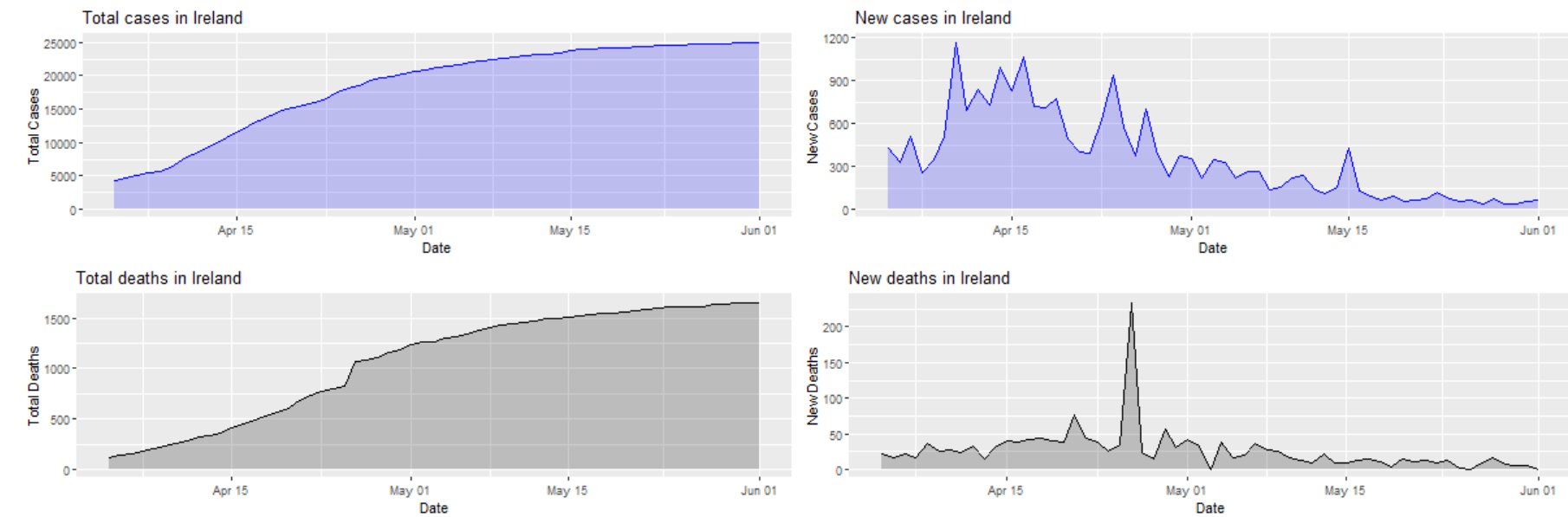
The first case was reported on: **2020-04-04**

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

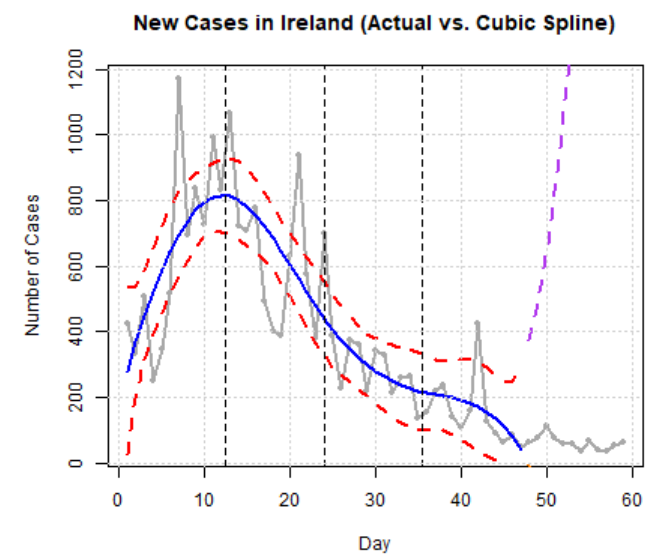
The total cumulative number of cases by the last day in the selected period is **24990** cases.

The total number of deaths by the last day in the selected period is **1650** deaths.

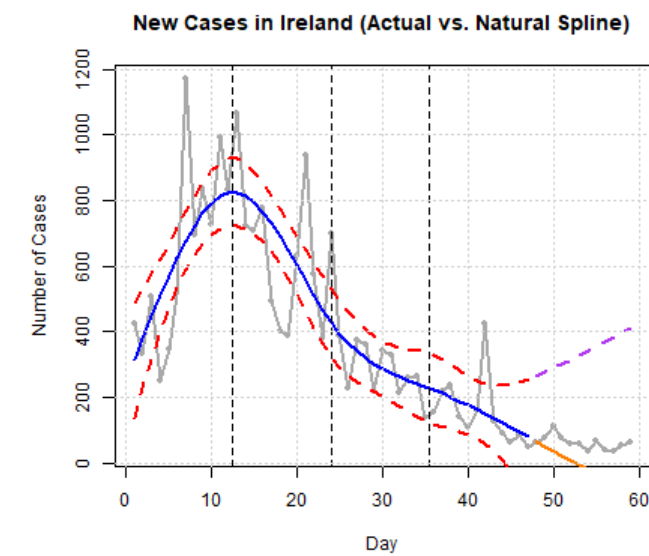
Cases vs. Deaths Overview



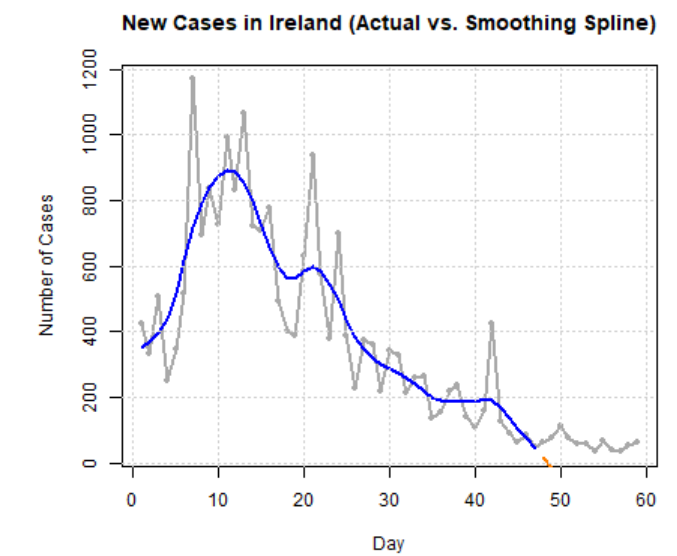
AIC = 641.732
BIC = 647.282
Training MSE = 43,841.14
Testing MSE = 4,056.59



AIC = 621.167
BIC = 635.969
Training MSE = 22,880.18
Testing MSE = 495,385.8



AIC = 617.557
BIC = 628.657
Training MSE = 23,070.4
Testing MSE = 7,283.13



Degrees of Freedom = 11.007
AIC = 1,566,990
BIC = 1,567,010
Training MSE = 16,669.87
Testing MSE = 51,120.53