



Modeling the Dynamics of COVID-19

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Data Source
☒ Local
☐ Our World In Data

Continent
Europe

Country
Belgium

Modeling Period
2020-04-04 to 2020-06-01

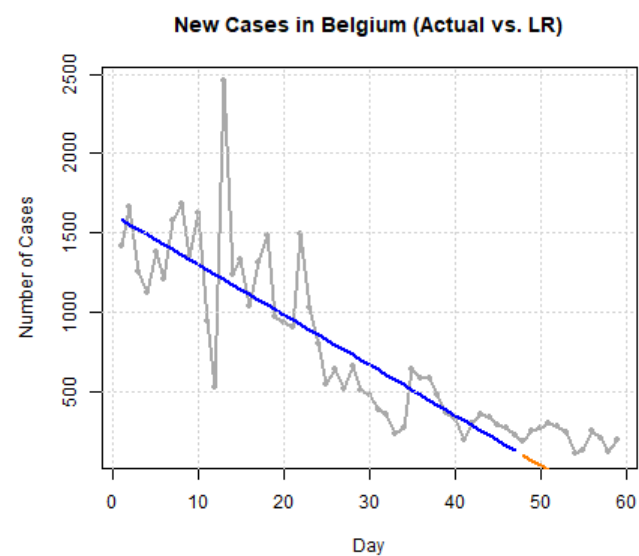
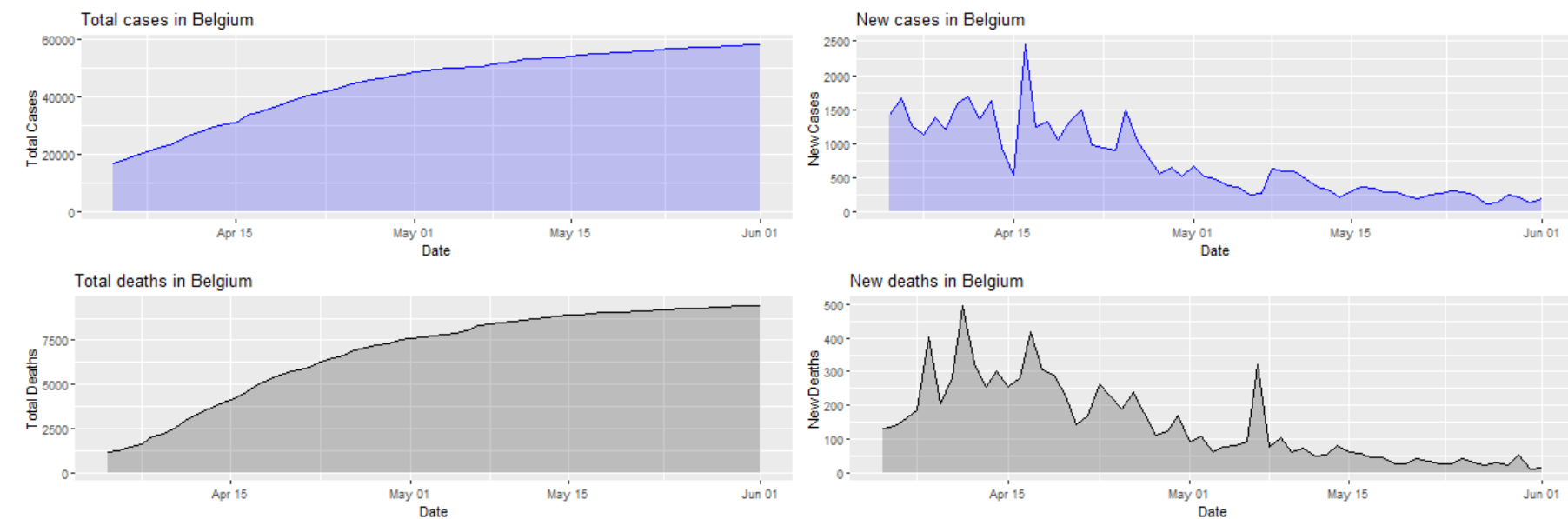
Percentage of Training Dataset (Training vs. Testing Split):
20 80 100

Variable of Interest
☒ New Cases
☐ New Deaths

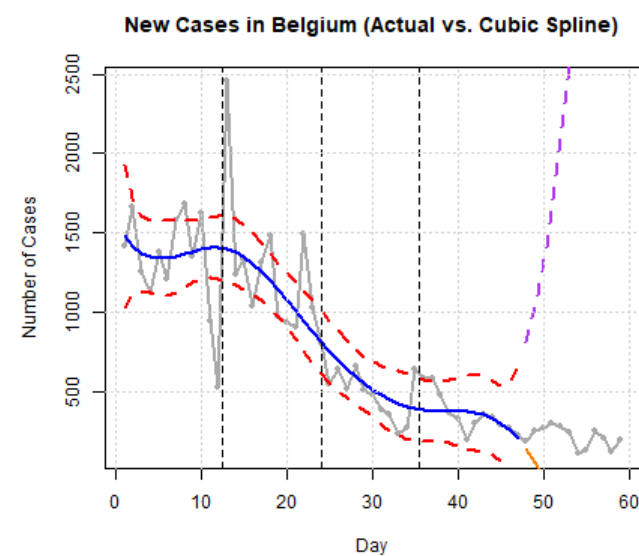
Belgium

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 **58381** cases.
The total number of deaths by the last day in the selected period is **9467** deaths.

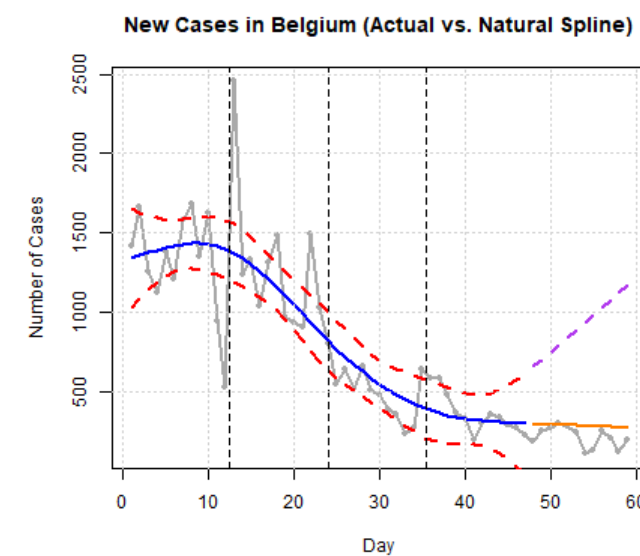
Cases vs. Deaths Overview



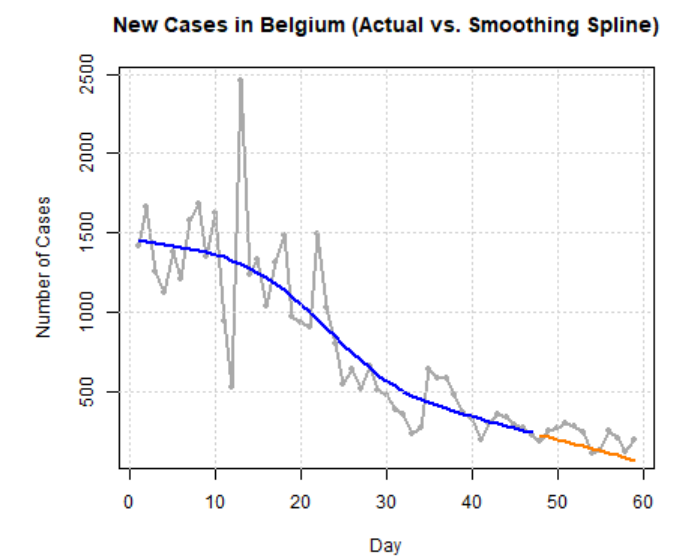
AIC = 673.041
BIC = 678.592
Training MSE = 85,347.58
Testing MSE = 92,011.13



AIC = 674.482
BIC = 689.283
Training MSE = 71,138.24
Testing MSE = 1,365,870



AIC = 671.776
BIC = 682.877
Training MSE = 73,123.34
Testing MSE = 8,765.16



Degrees of Freedom = 4.296
AIC = 6,871,273
BIC = 6,871,281
Training MSE = 73,098.55
Testing MSE = 7,653.43