

Modeling the Dynamics of COVID-19

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Data Source

- ☒ Local
☐ Our World In Data

Continent

Europe

Country

Isle of Man

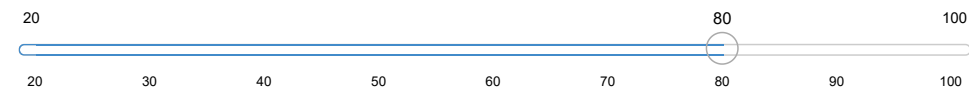
Modeling Period

2020-04-04

to

2020-06-01

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



Variable of Interest

- ☒ New Cases
☐ New Deaths

Isle of Man

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

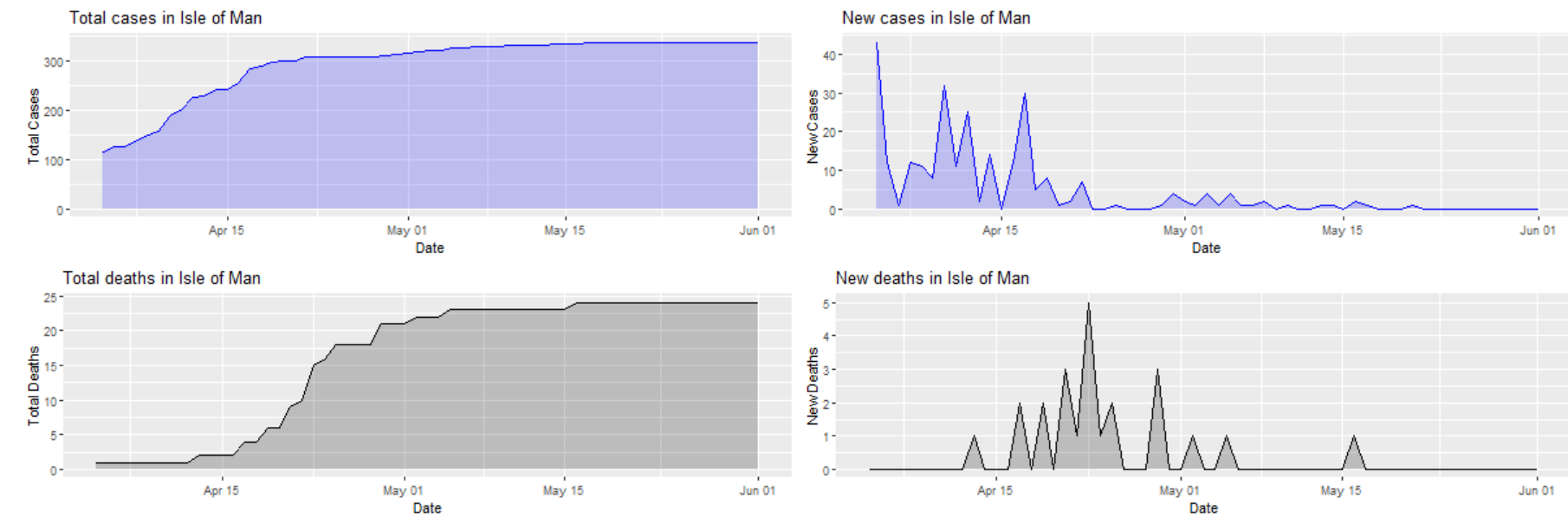
The first case was reported on: **2020-04-04**

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

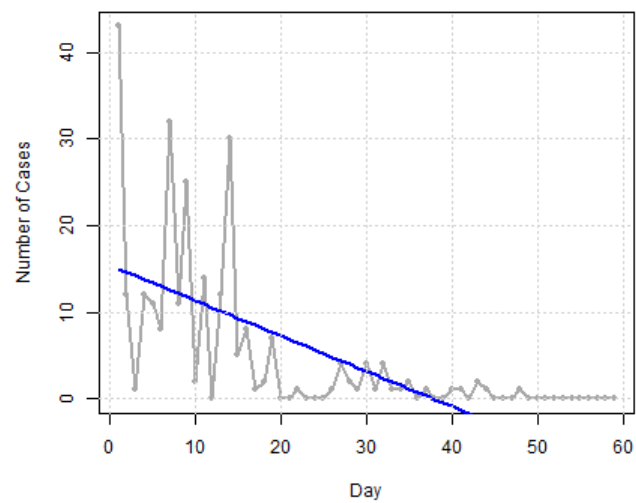
The total cumulative number of cases by the last day in the selected period is **336** cases.

The total number of deaths by the last day in the selected period is **24** deaths.

Cases vs. Deaths Overview

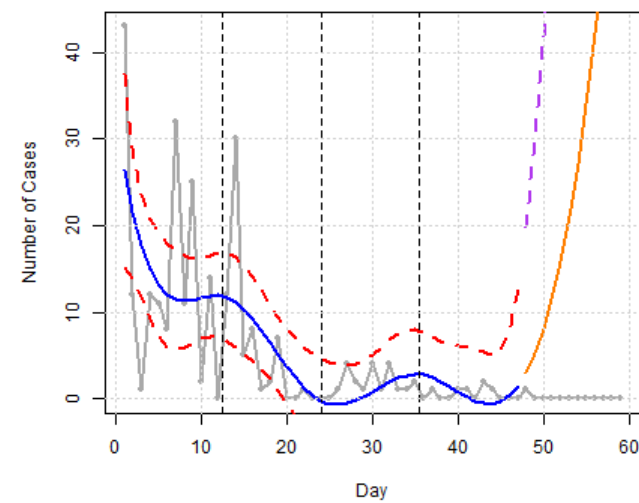


New Cases in Isle of Man (Actual vs. LR)



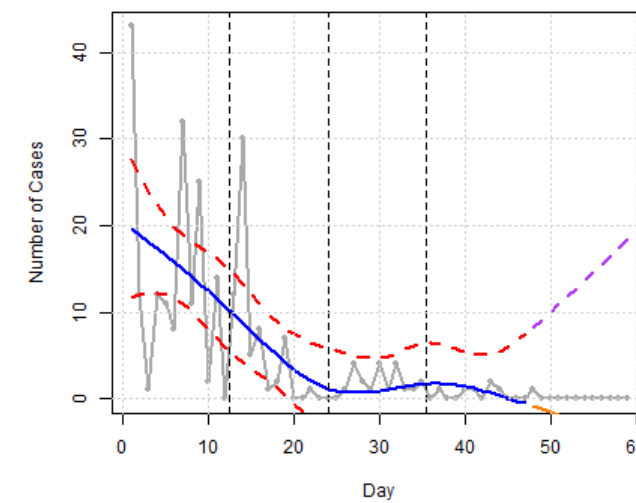
AIC = 328.41
BIC = 333.96
Training MSE = 55.81
Testing MSE = 44.22

New Cases in Isle of Man (Actual vs. Cubic Spline)



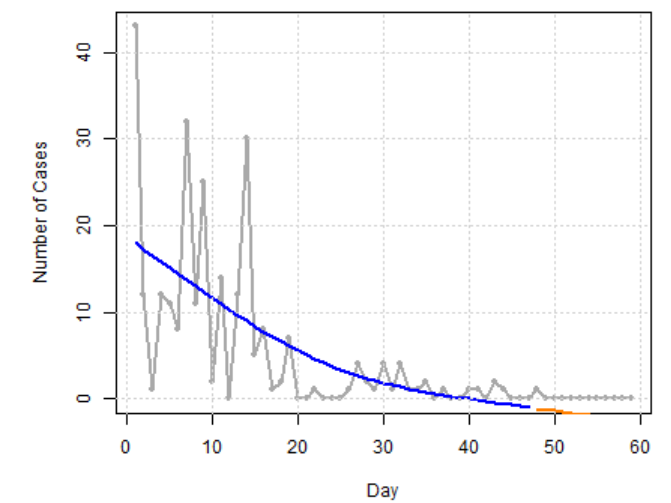
AIC = 327.493
BIC = 342.294
Training MSE = 44.24
Testing MSE = 1,372.58

New Cases in Isle of Man (Actual vs. Natural Spline)



AIC = 327.081
BIC = 338.182
Training MSE = 47.75
Testing MSE = 8.47

New Cases in Isle of Man (Actual vs. Smoothing Spline)



Degrees of Freedom = 2.788
AIC = 4,681.241
BIC = 4,686.399
Training MSE = 49.74
Testing MSE = 4.05