

# Modeling the Dynamics of COVID-19

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## Data Source

- ☒ Local  
☐ Our World In Data

## Continent

Europe

## Country

Andorra

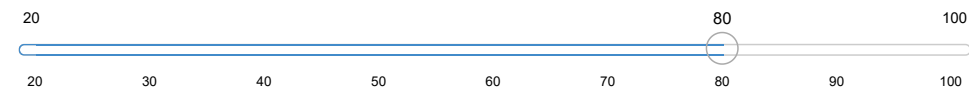
## Modeling Period

2020-04-04

to

2020-06-01

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



## Variable of Interest

- ☒ New Cases  
☐ New Deaths

## Andorra

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

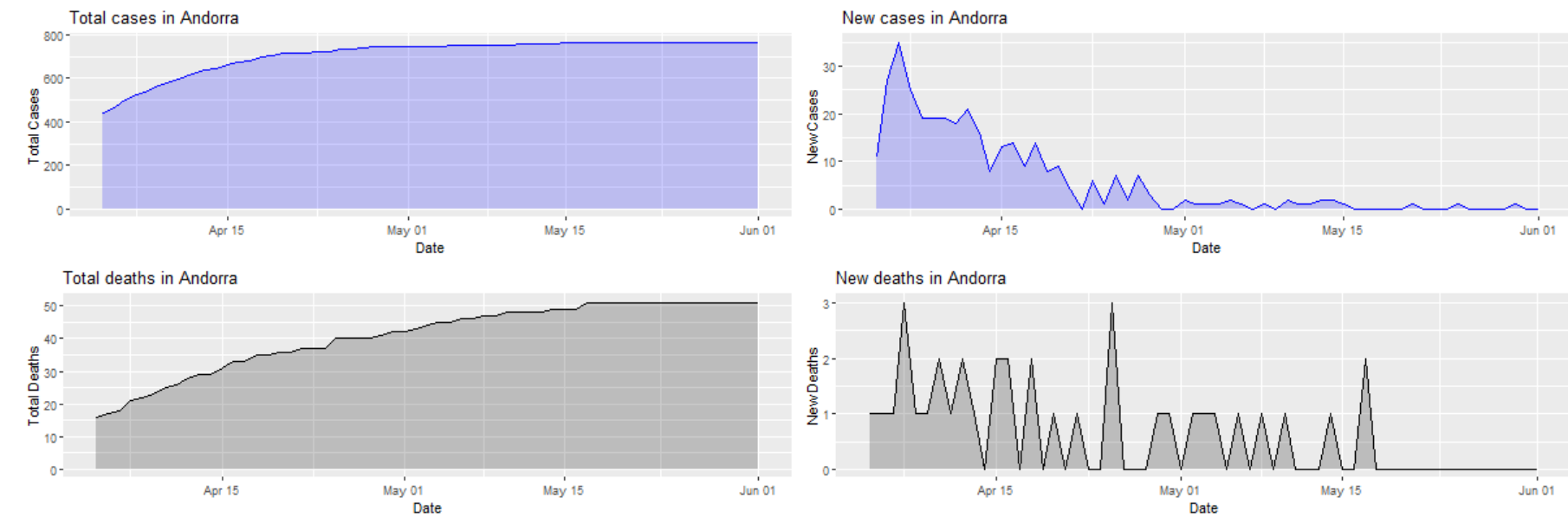
The first case was reported on: **2020-04-04**

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

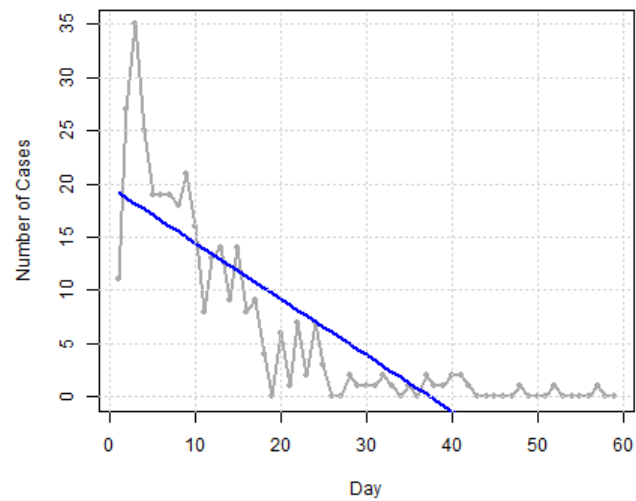
The total cumulative number of cases by the last day in the selected period is **764** cases.

The total number of deaths by the last day in the selected period is **51** deaths.

## Cases vs. Deaths Overview

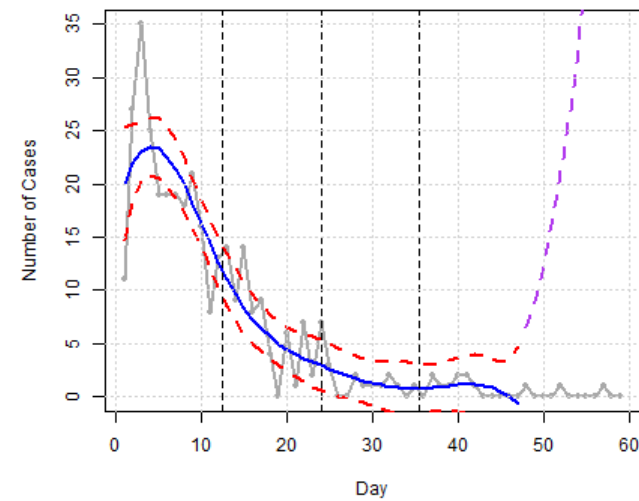


New Cases in Andorra (Actual vs. LR)



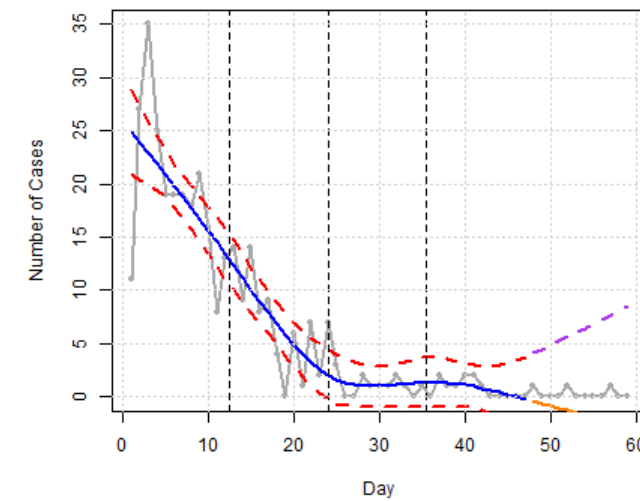
AIC = 287.073  
BIC = 292.623  
Training MSE = 23.16  
Testing MSE = 78.93

New Cases in Andorra (Actual vs. Cubic Spline)



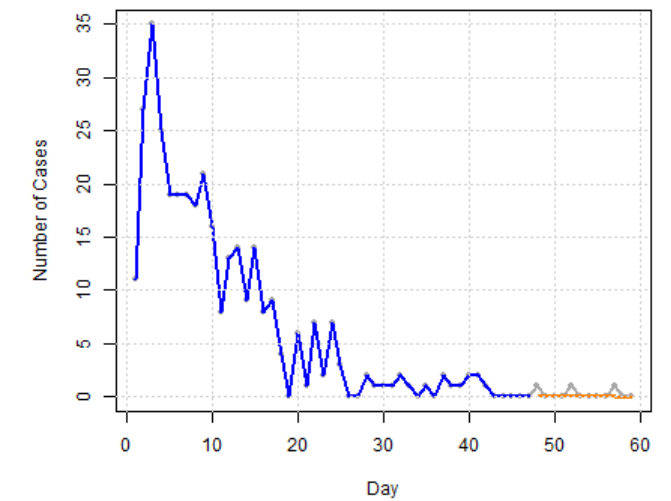
AIC = 258.106  
BIC = 272.908  
Training MSE = 10.11  
Testing MSE = 247.69

New Cases in Andorra (Actual vs. Natural Spline)



AIC = 261.417  
BIC = 272.518  
Training MSE = 11.81  
Testing MSE = 4.21

New Cases in Andorra (Actual vs. Smoothing Spline)



Degrees of Freedom = 47  
AIC = 94  
BIC = 180.957  
Training MSE = 0  
Testing MSE = 0.26