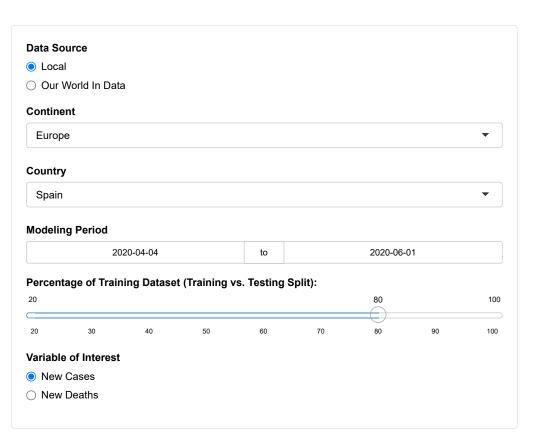
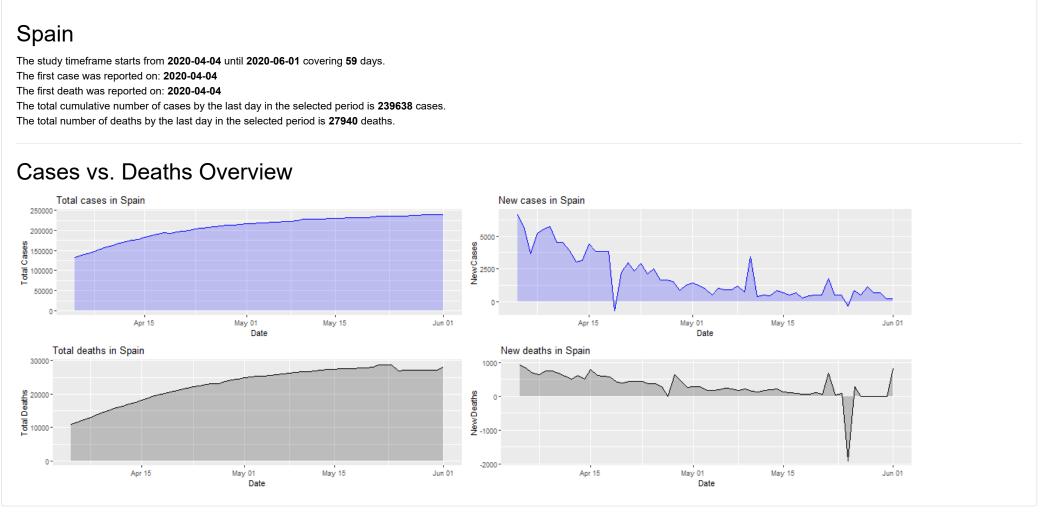
Modeling the Dynamics of COVID-19

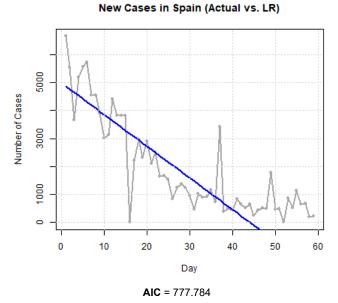
Supervised by Dr. Sawsan Hilal Built by Aisha Khalid and Ahmed Khedr

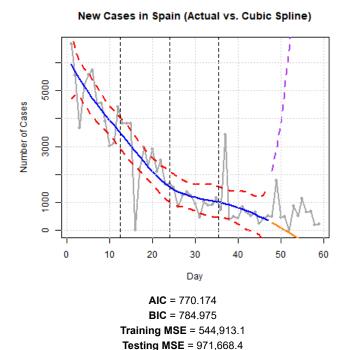


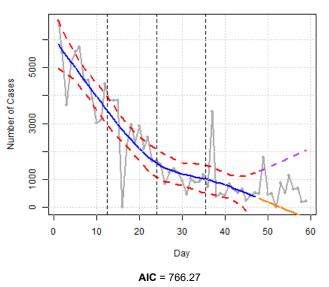




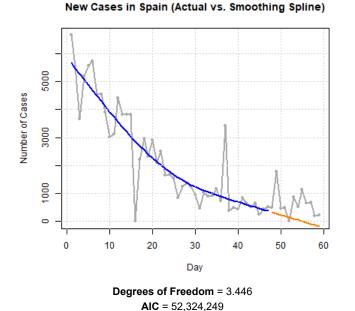
The data contains negative values which have been set as zero (0).







New Cases in Spain (Actual vs. Natural Spline)



BIC = 783.335

Training MSE = 792,594.5

Testing MSE = 3,111,569

BIC = 777.371 Training MSE = 546,024.7 Testing MSE = 619,599.7

BIC = 52,324,255 Training MSE = 556,640.9 Testing MSE = 493,356