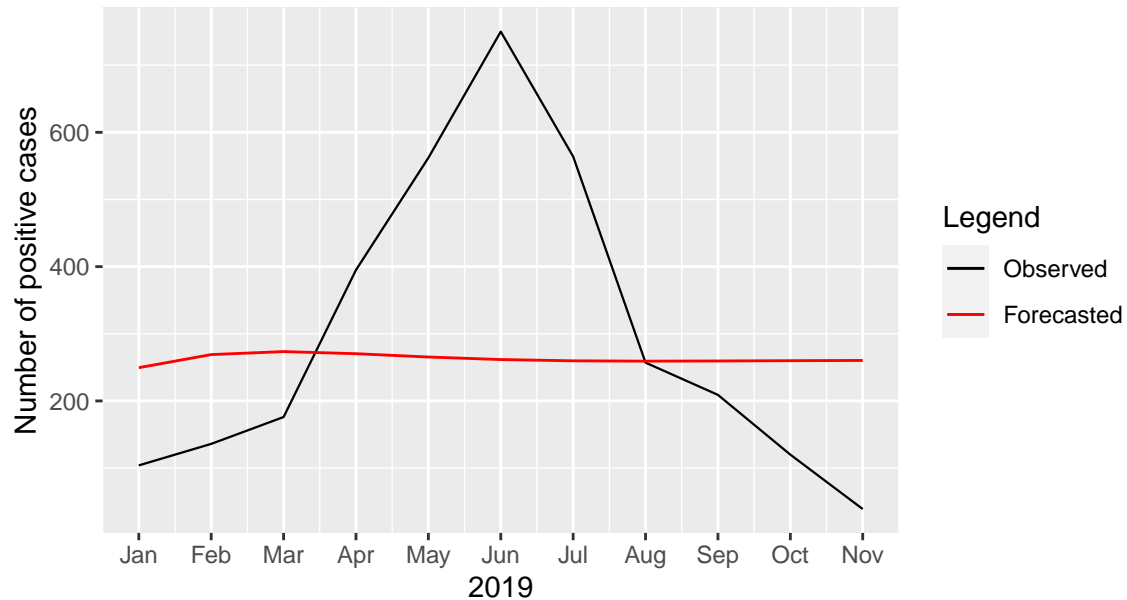
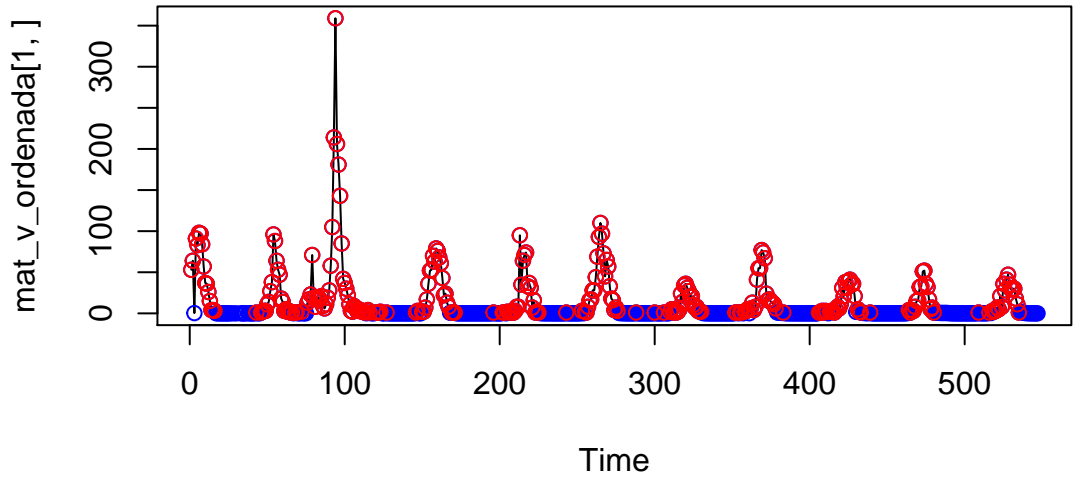
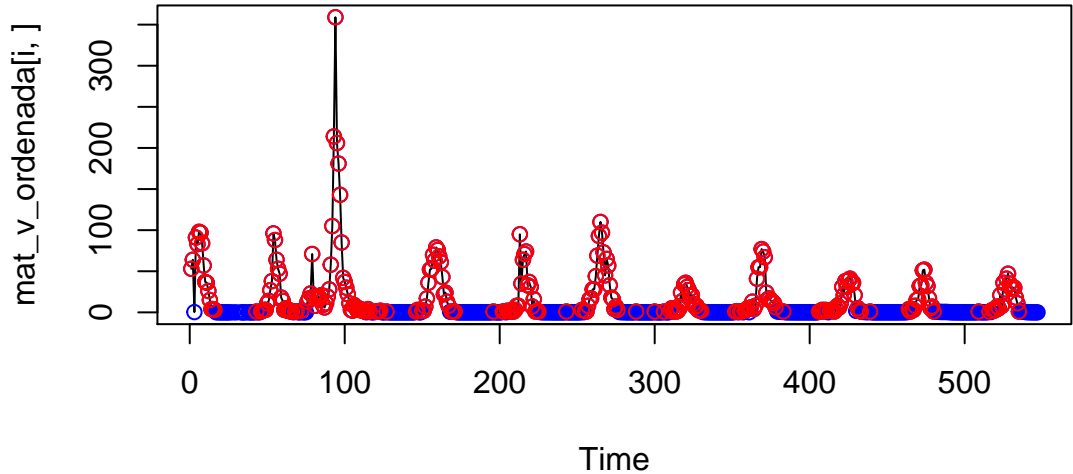


Out-of-sample forecasts for the AR(2) model

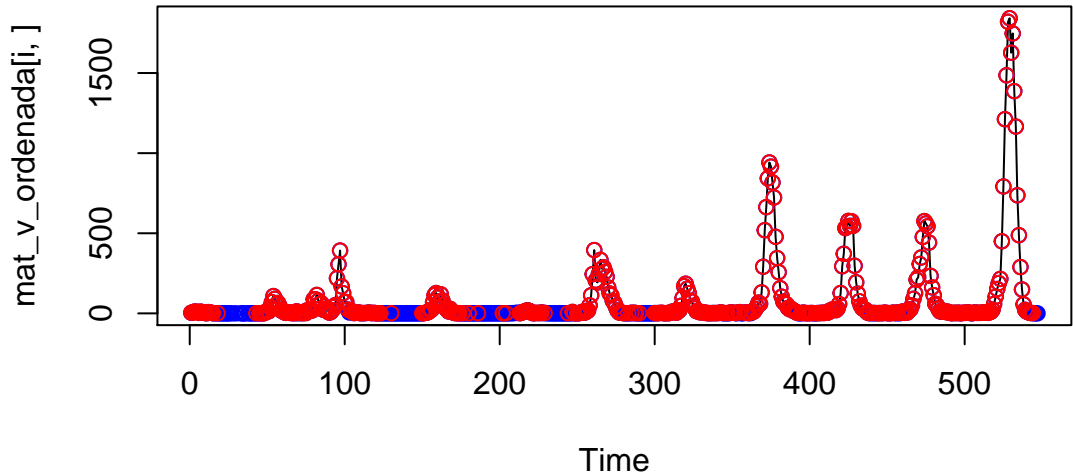




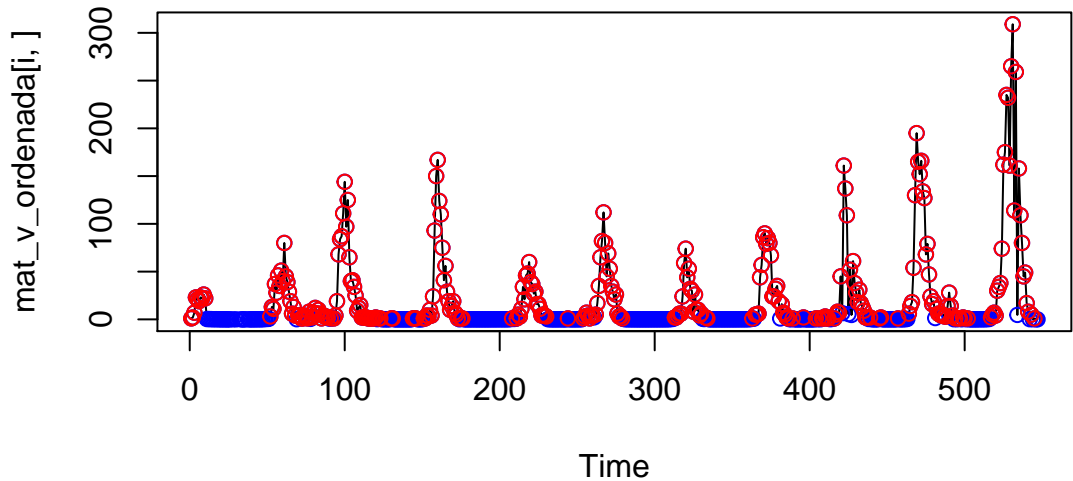
Belgium



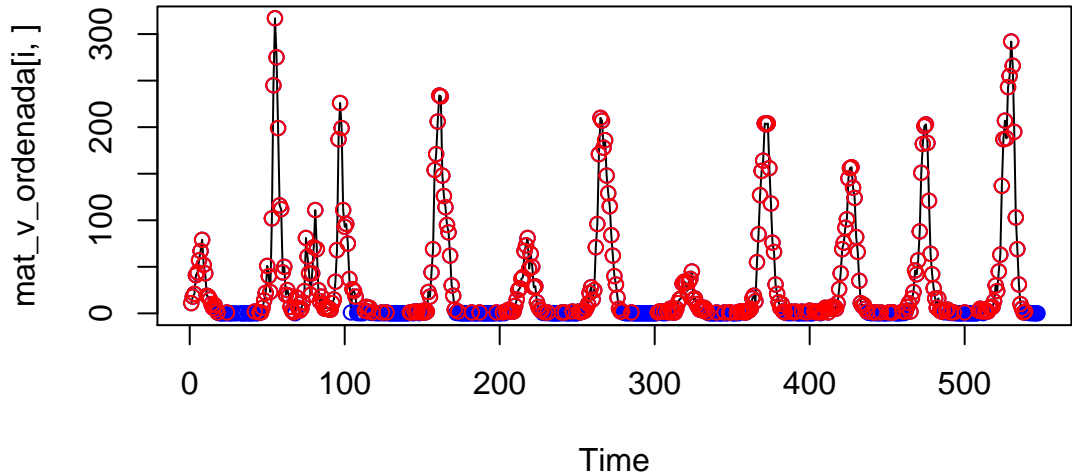
Denmark



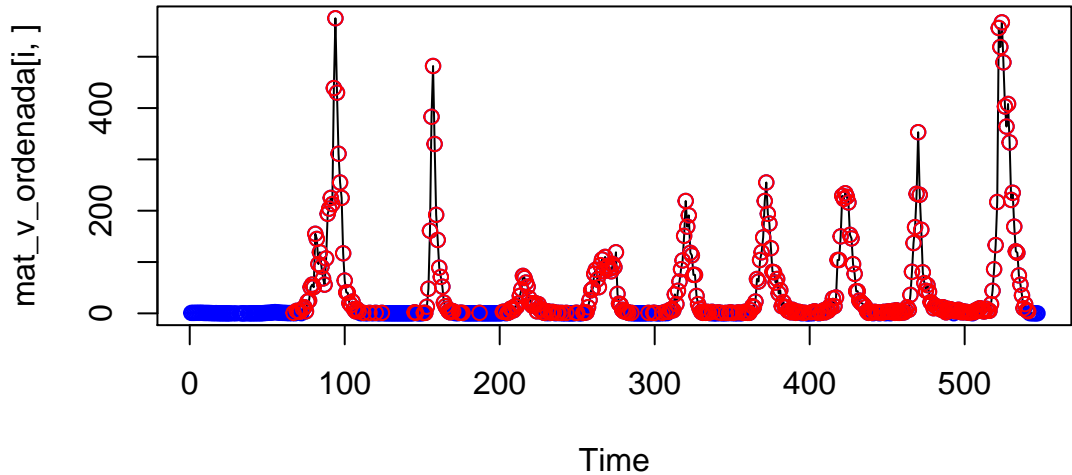
Estonia



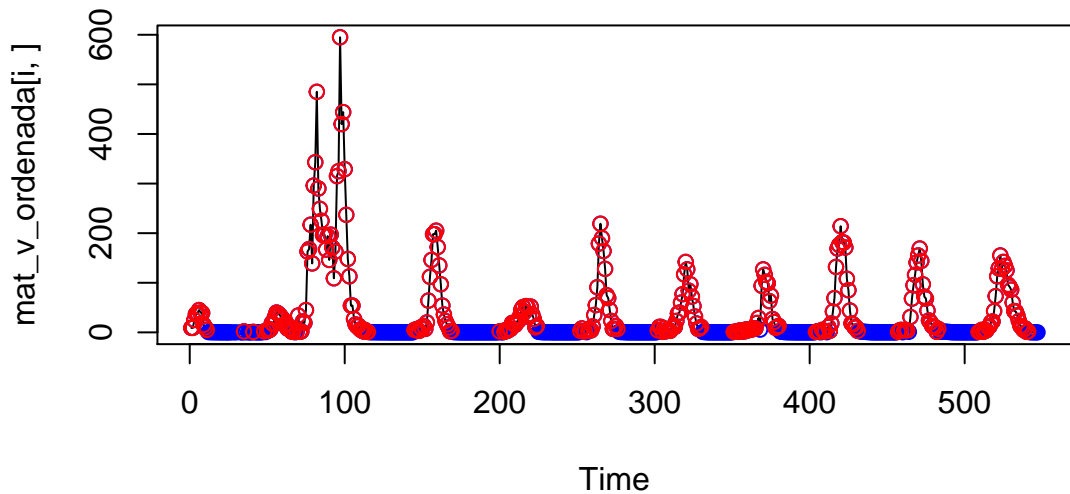
Germany



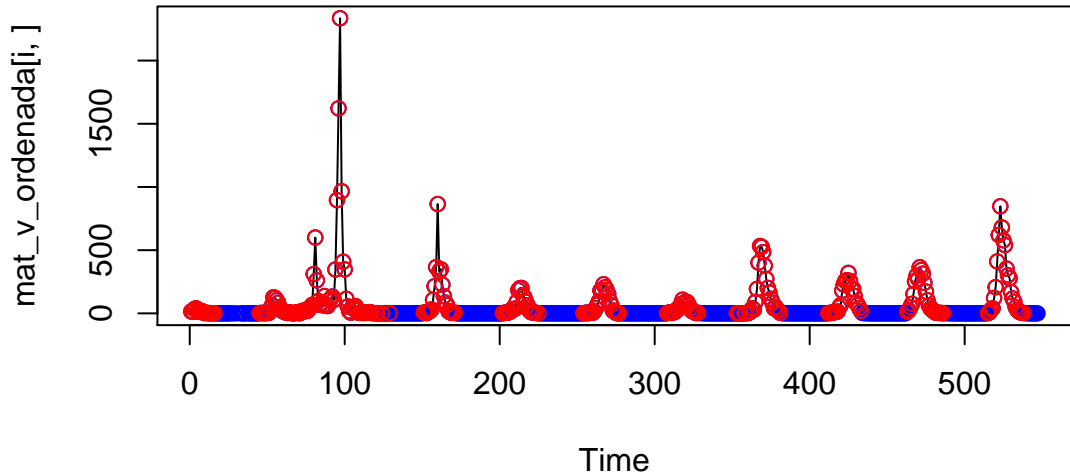
Ireland



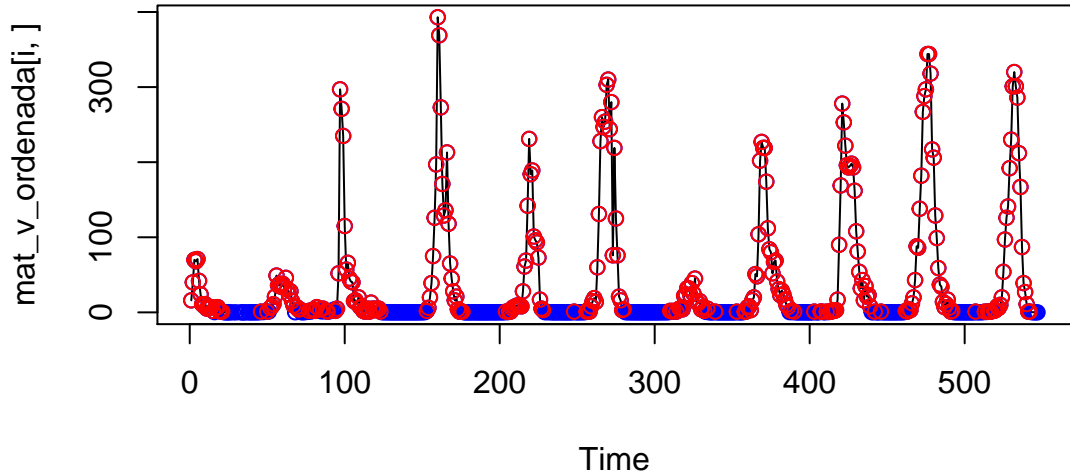
Israel



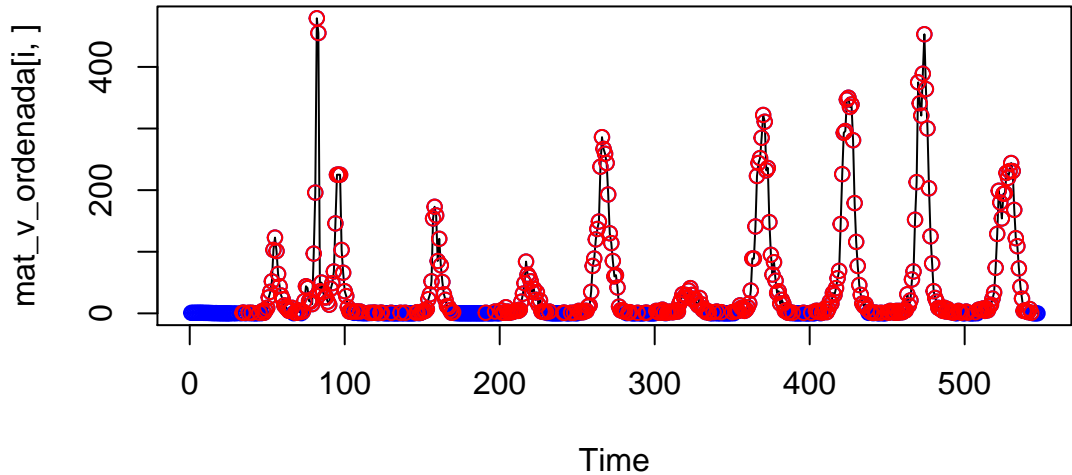
Italy



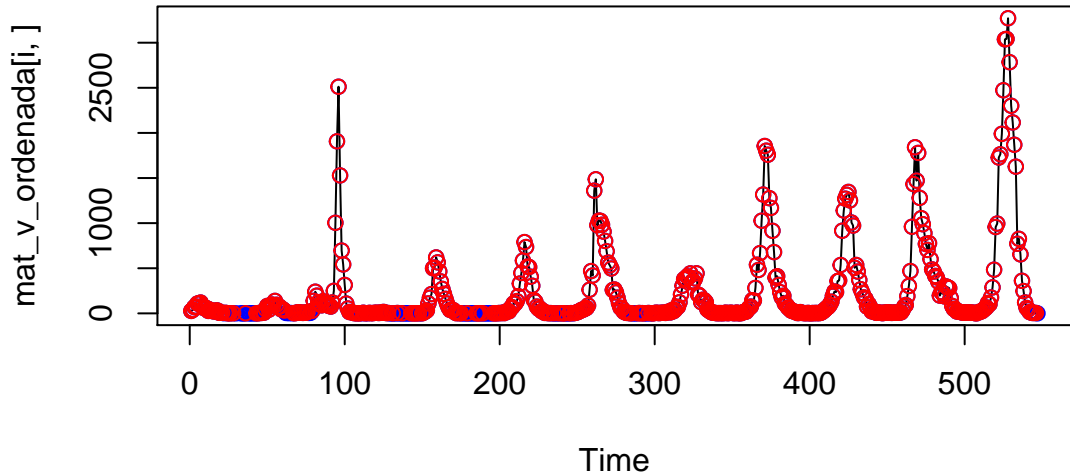
Latvia



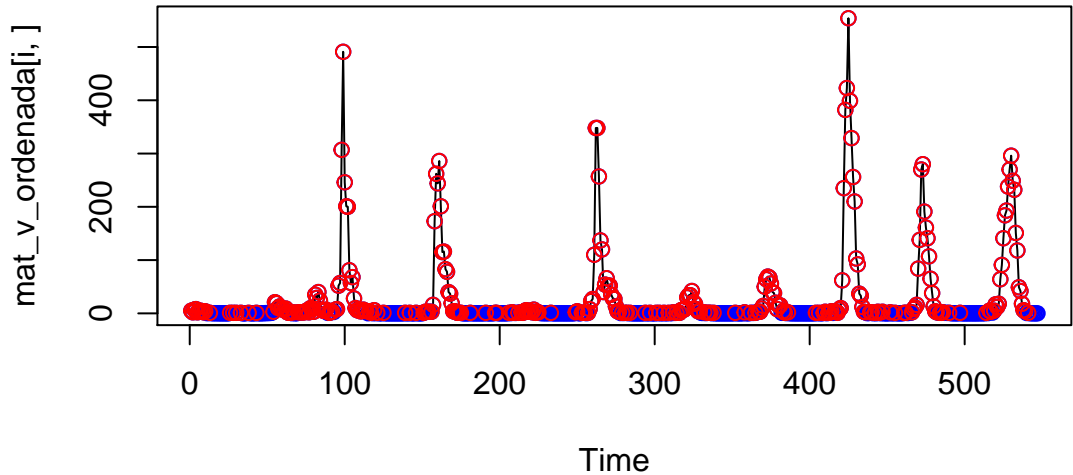
Netherlands



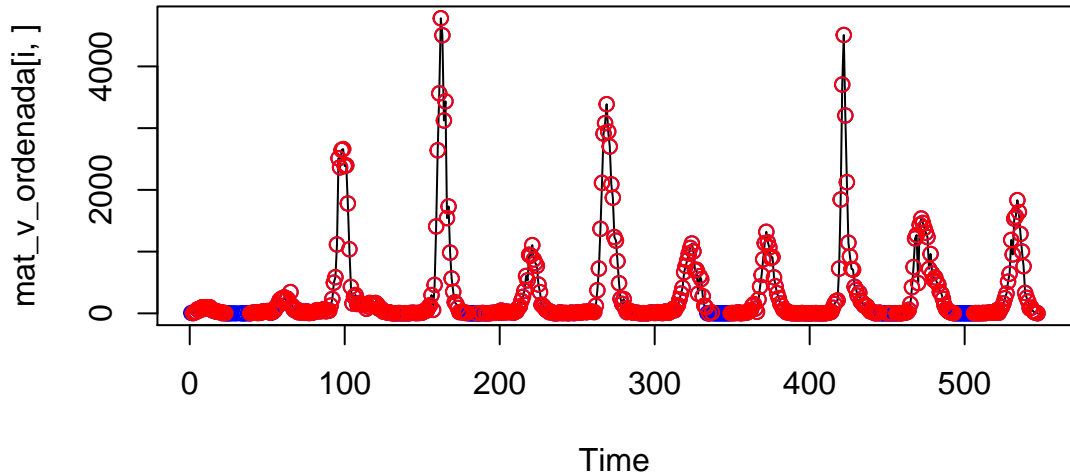
Norway



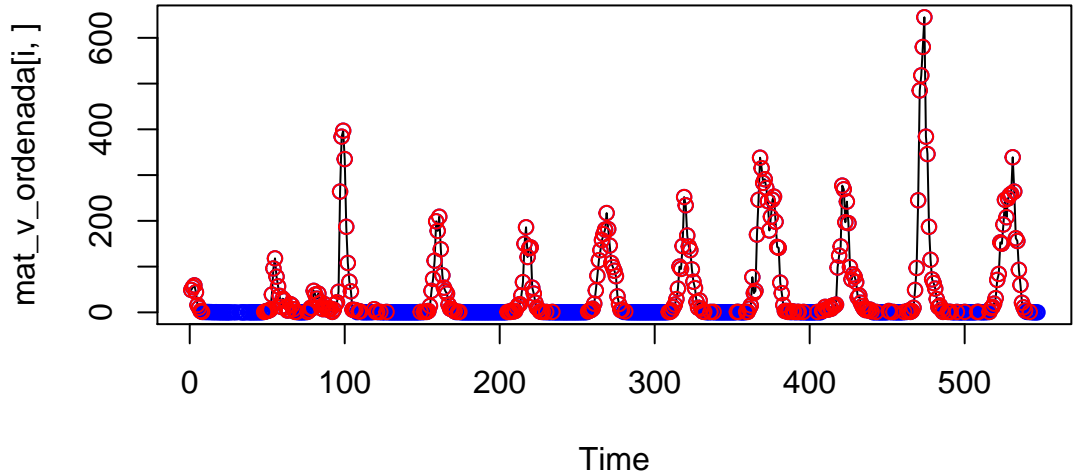
Poland



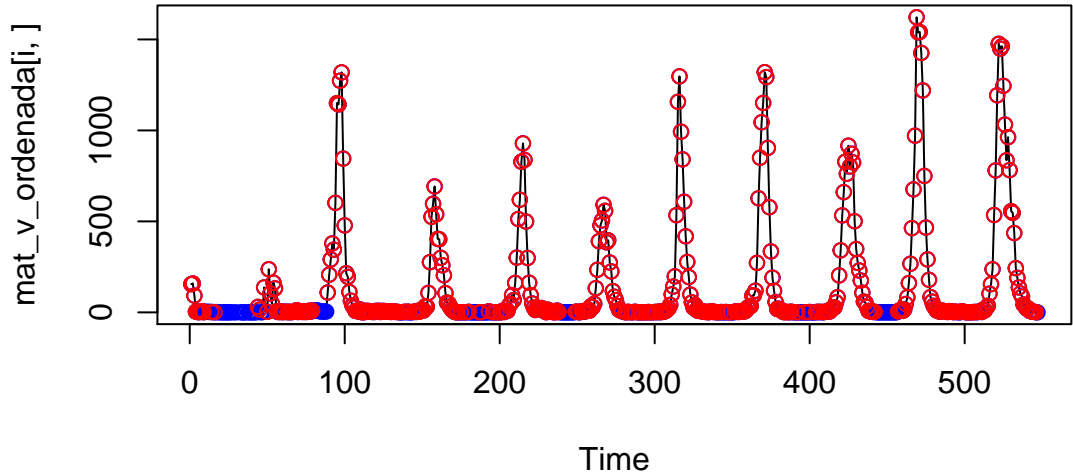
Russian Federation



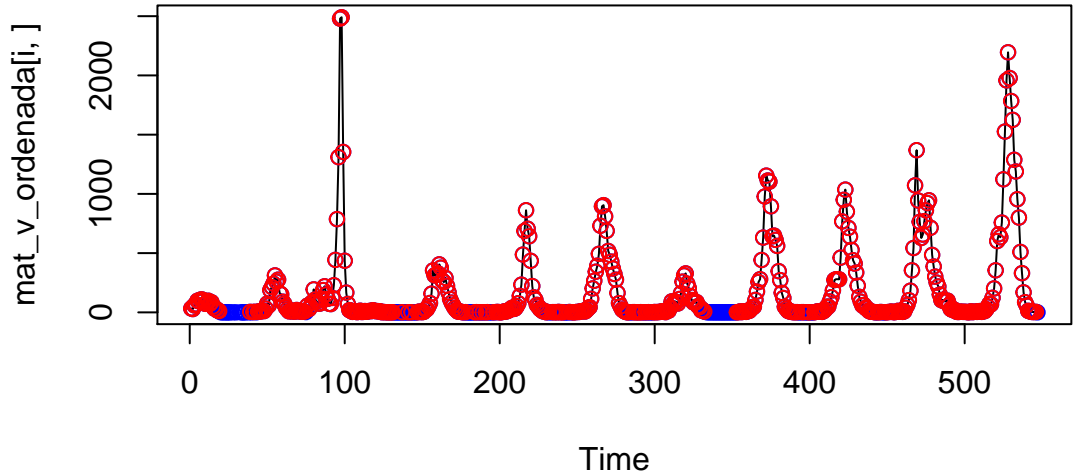
Slovenia



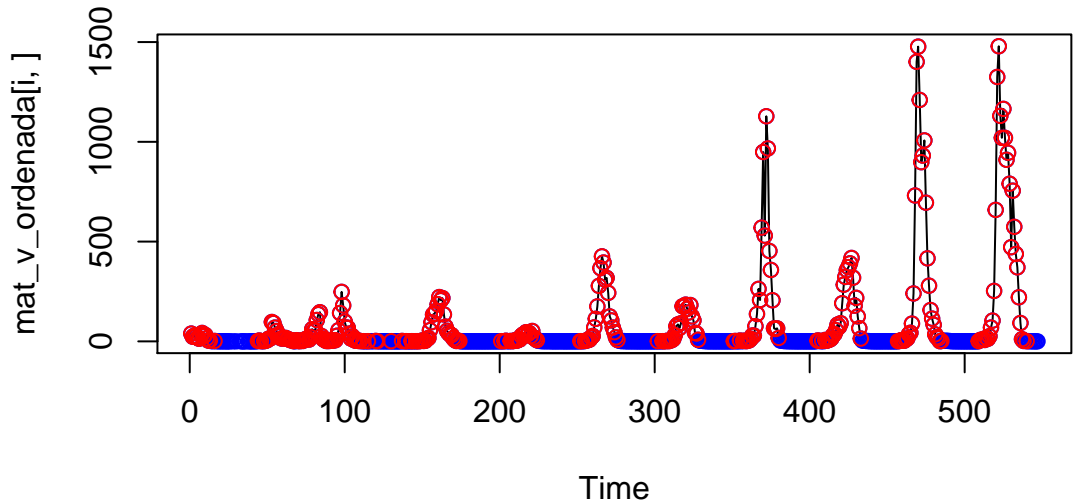
Spain



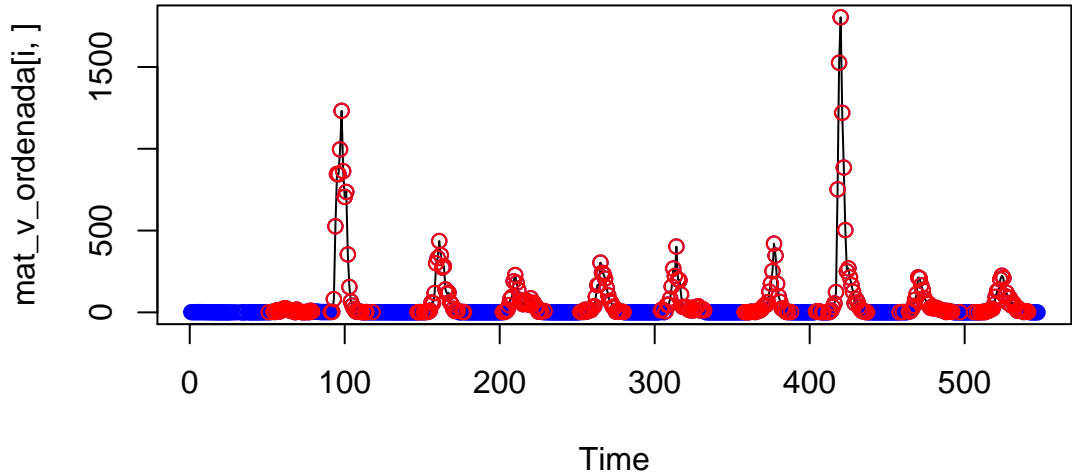
Sweden



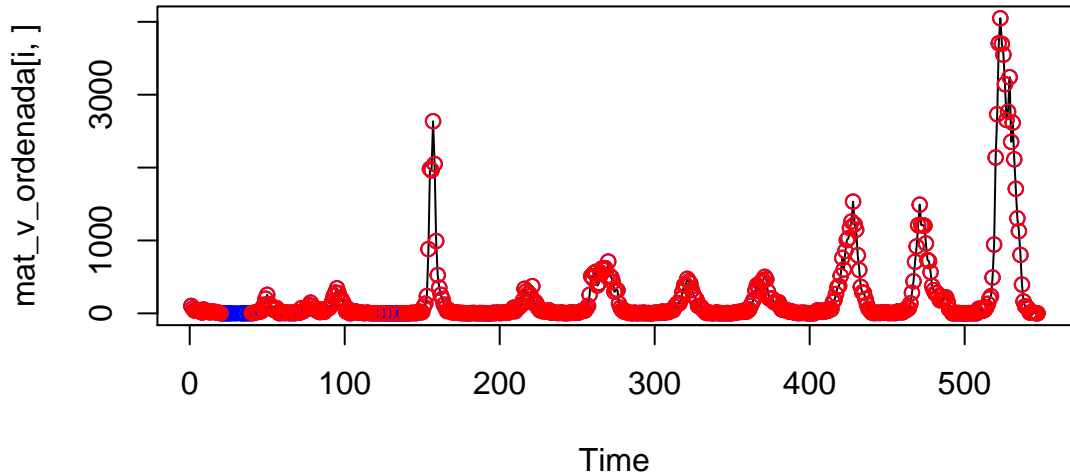
Switzerland



Turkey

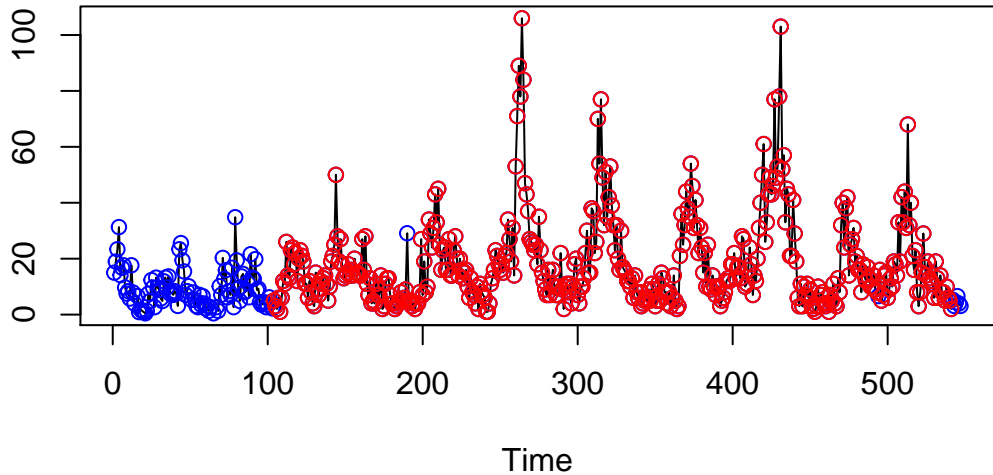


United Kingdom of Great Britain and Northern Ireland

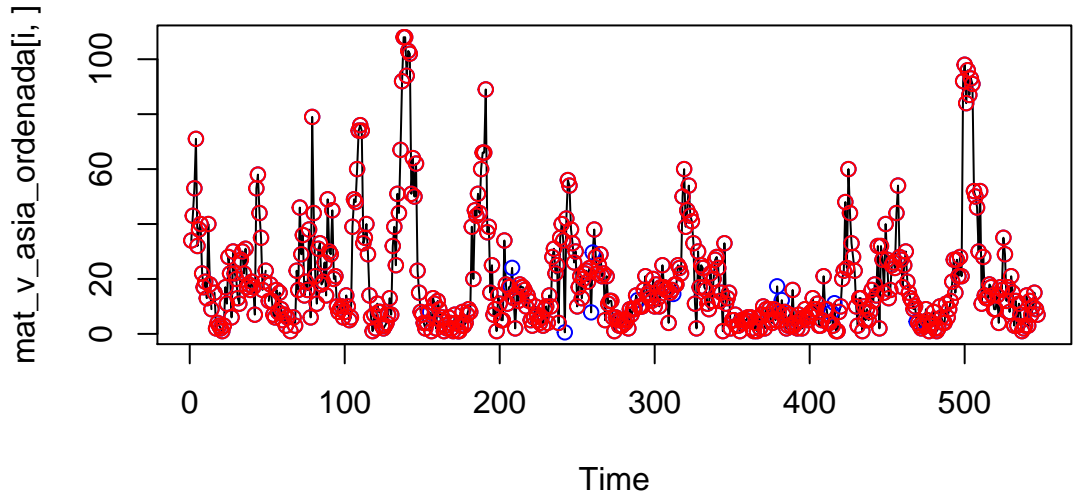


Indonesia

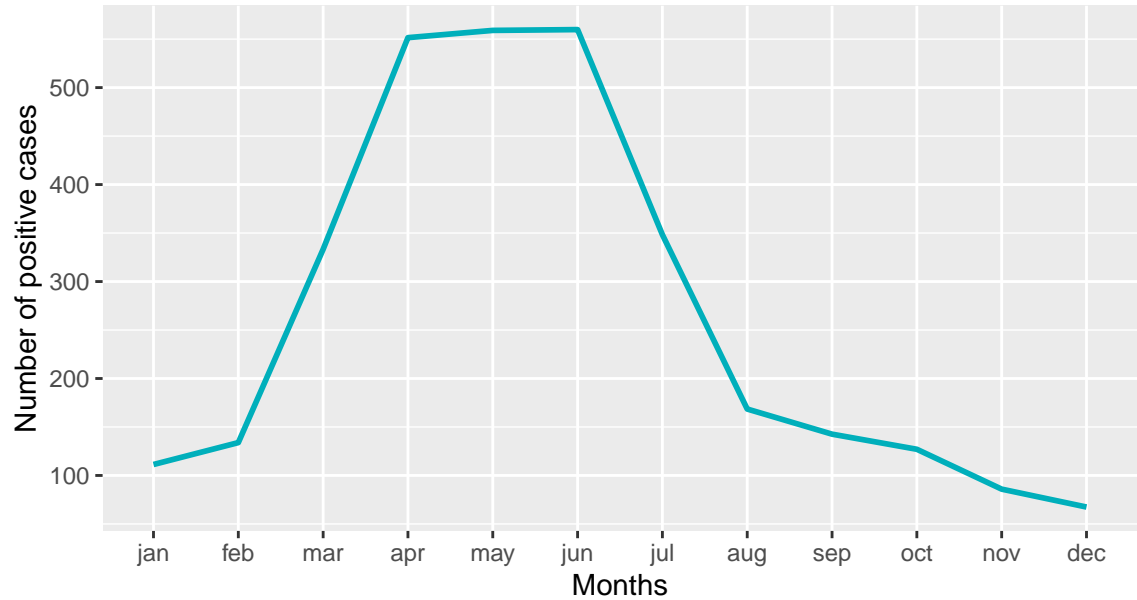
mat_v_asia_ordenada[i,]



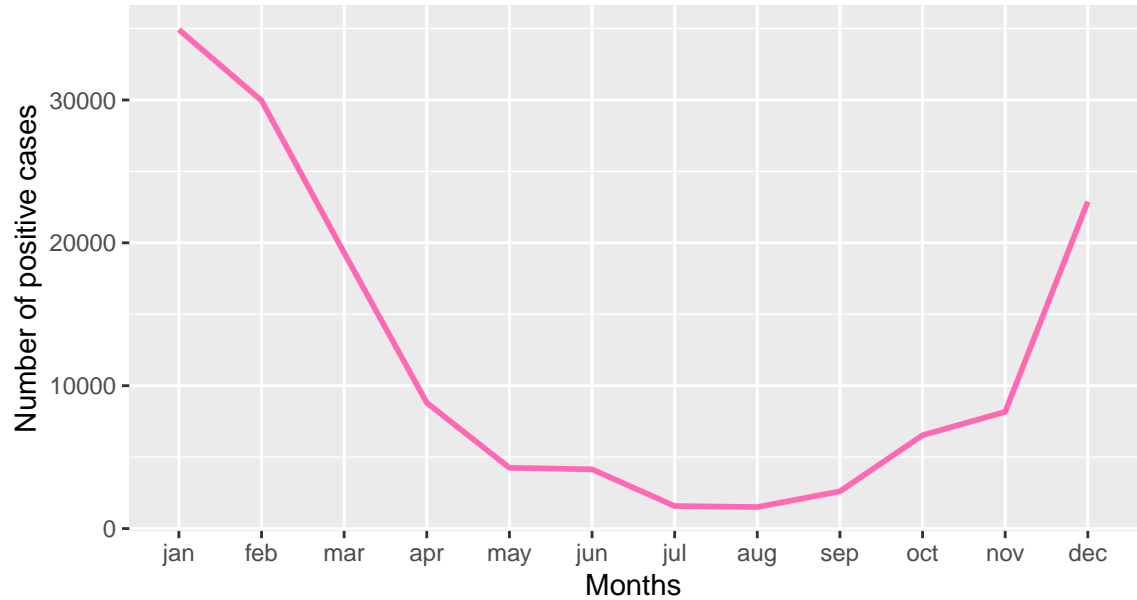
Thailand



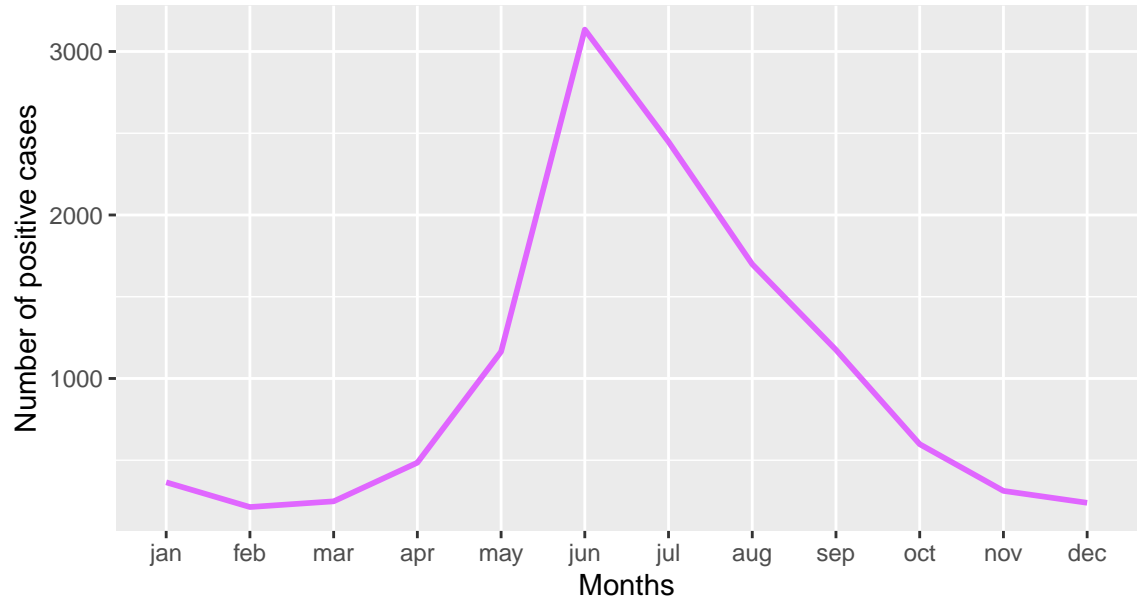
Brazil



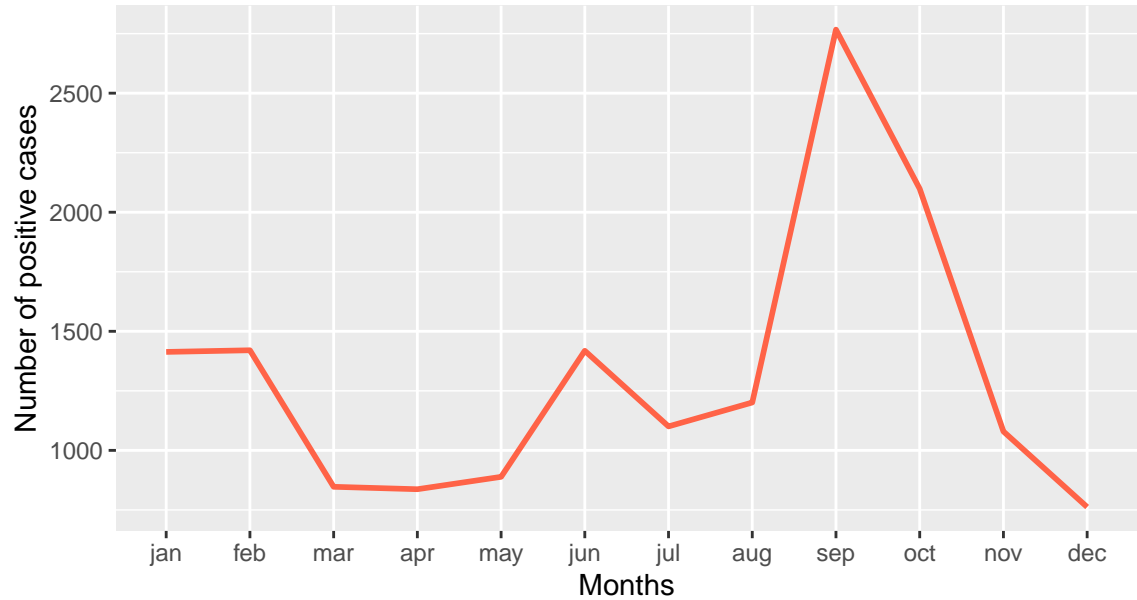
North America Region



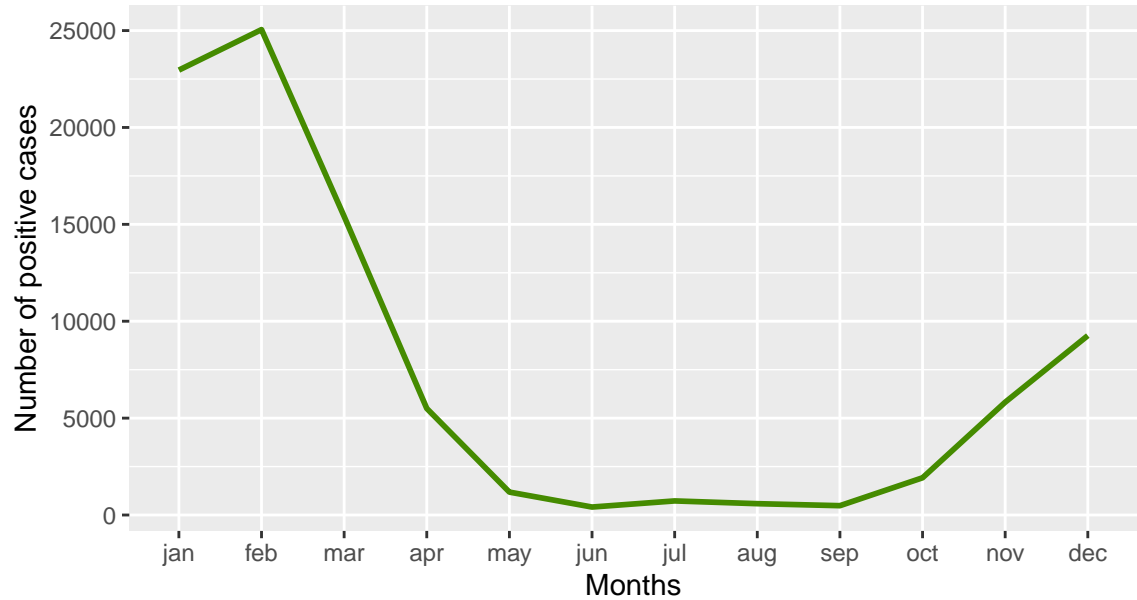
South America Region



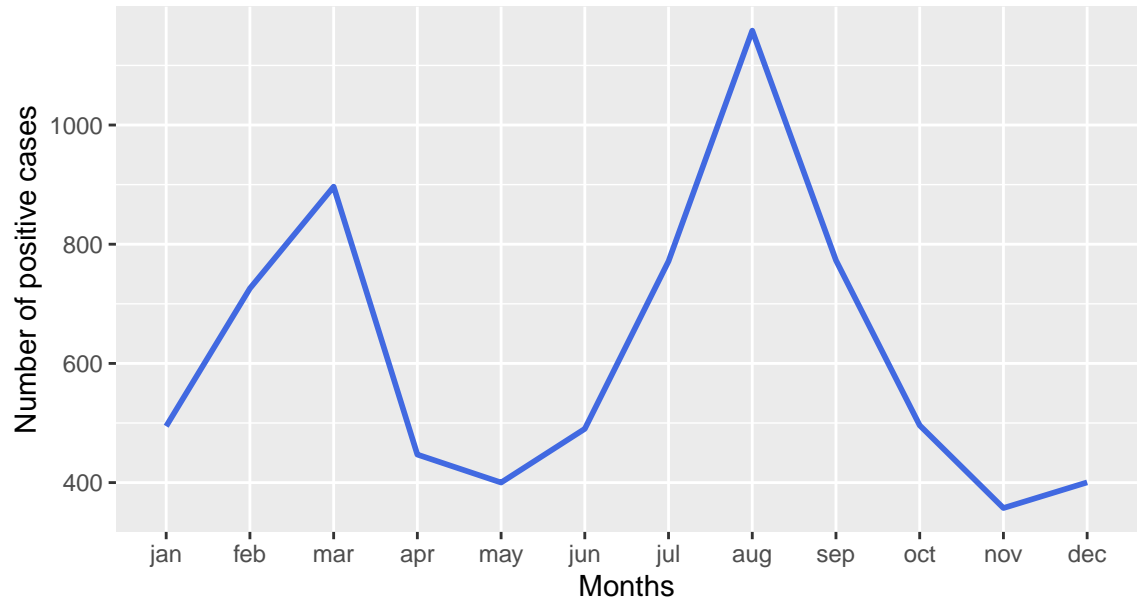
Central America Region



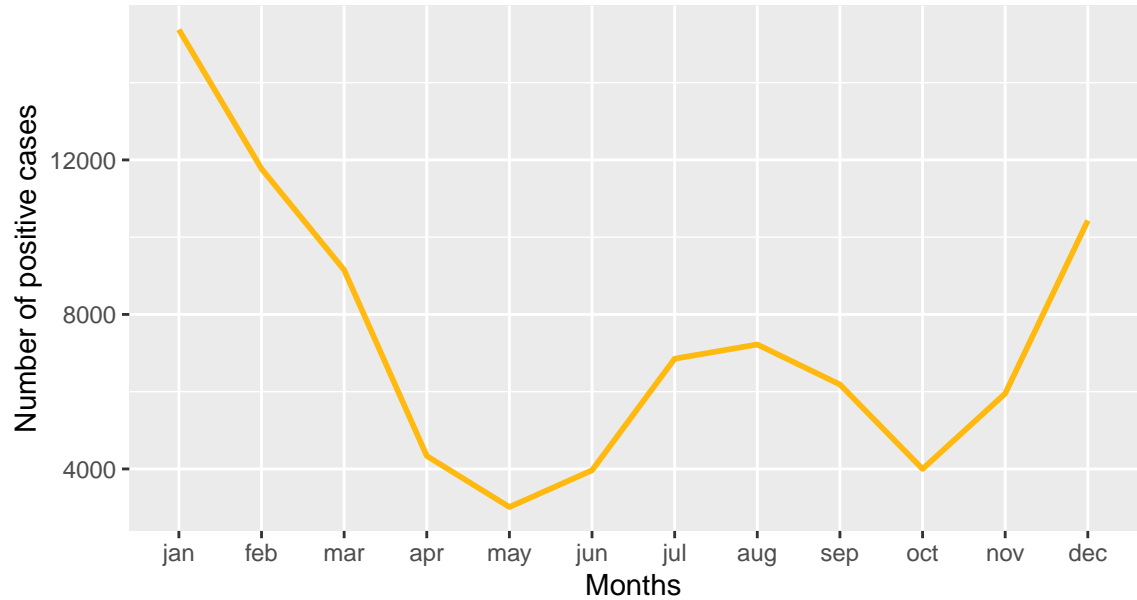
European Region

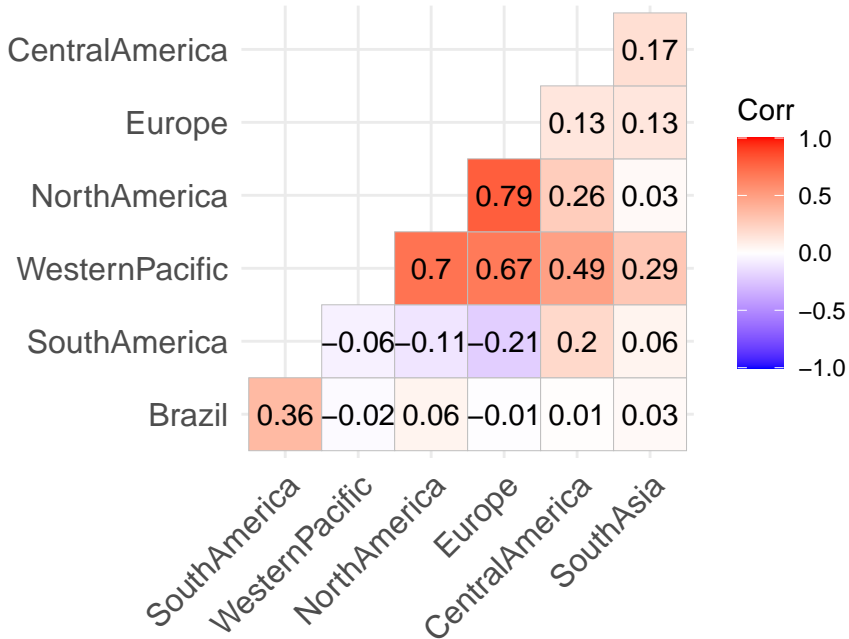


South Asia Region

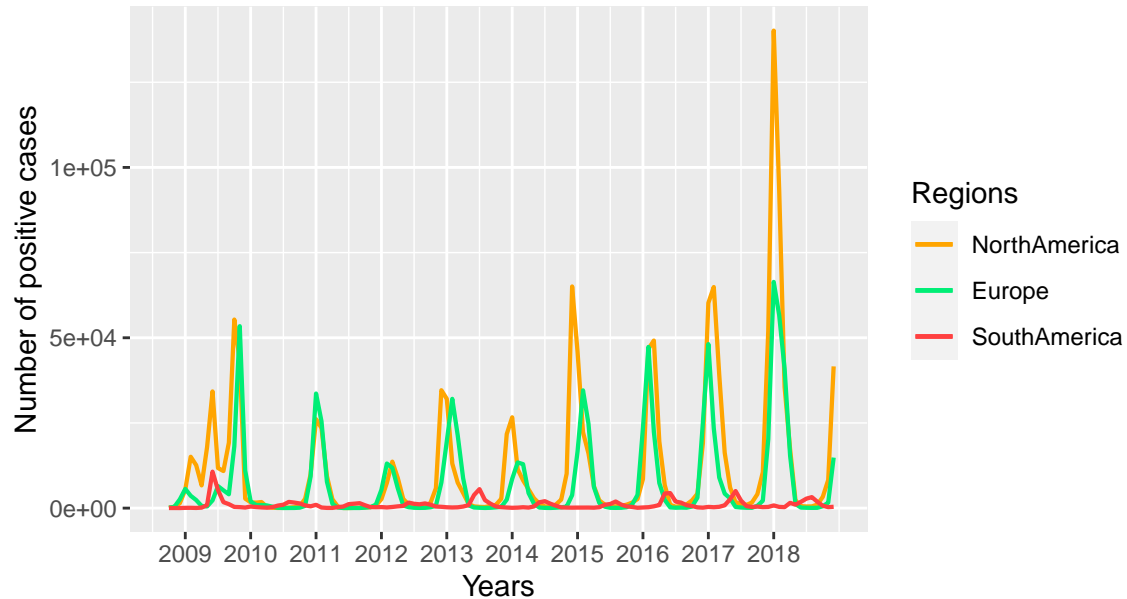


Western Pacific Region

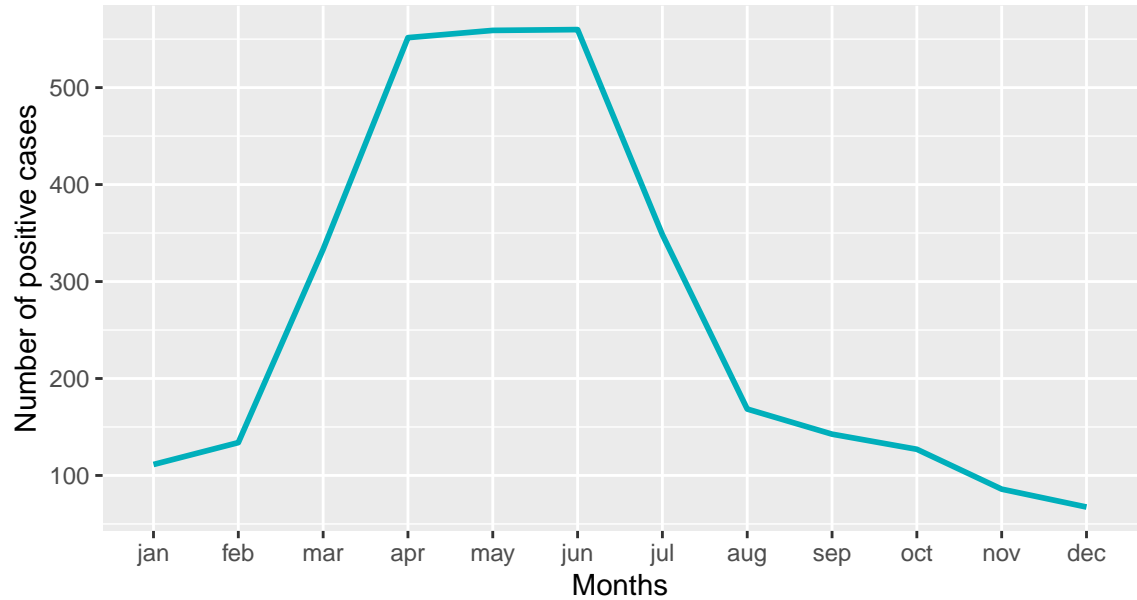




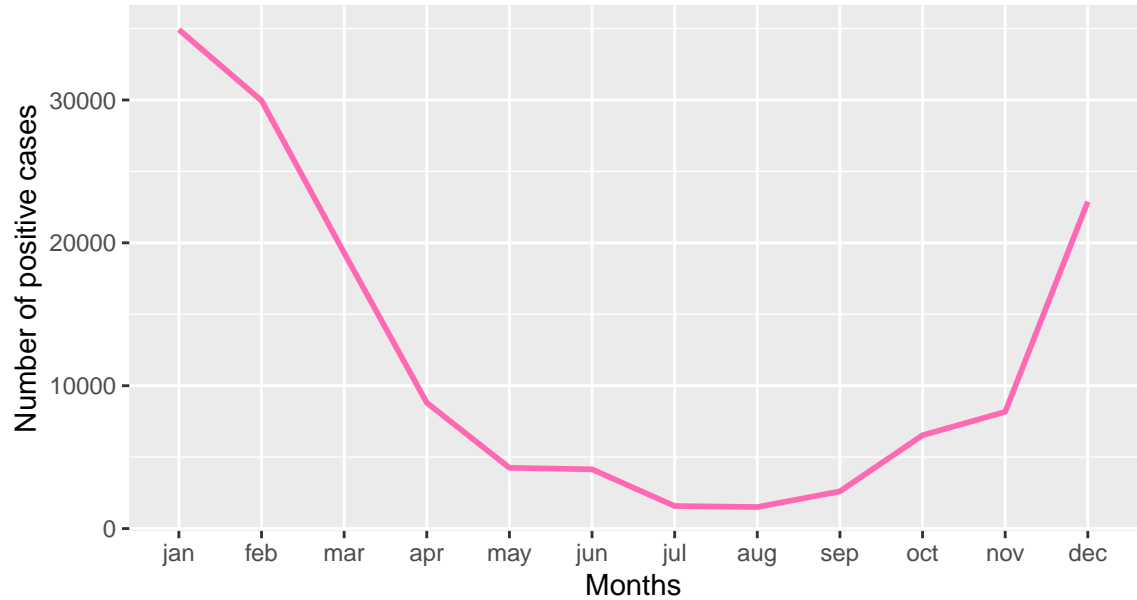
Comparing time series



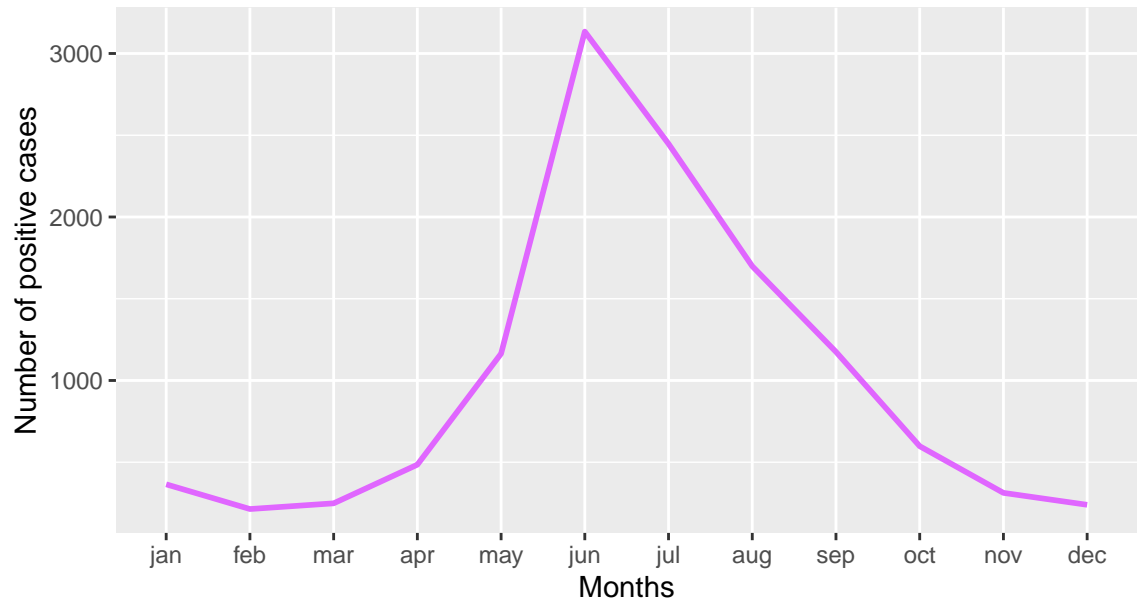
Brazil



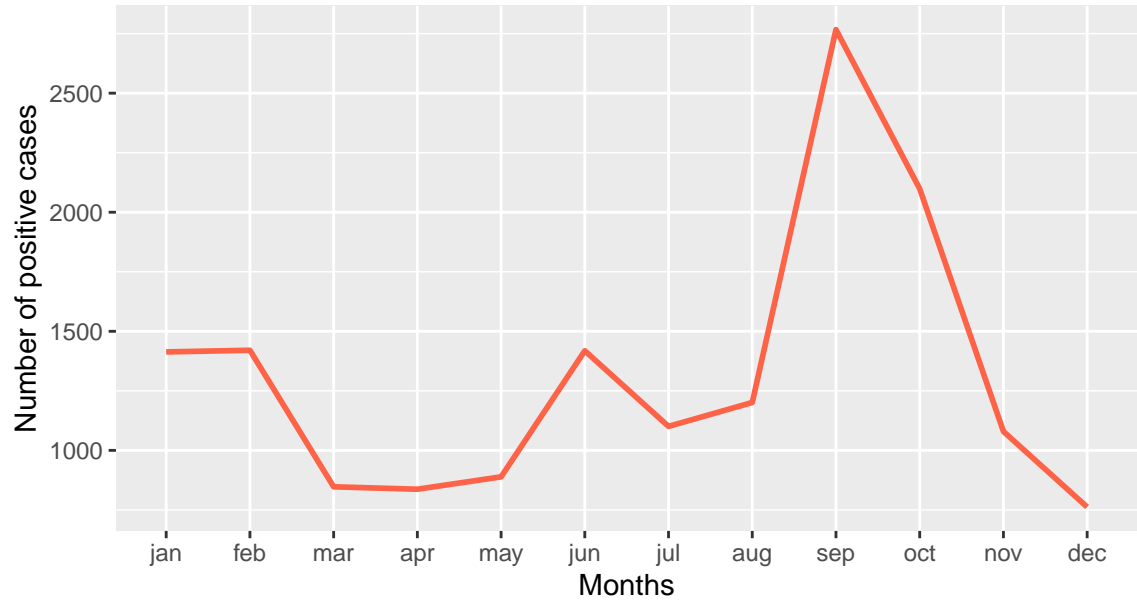
North America Region



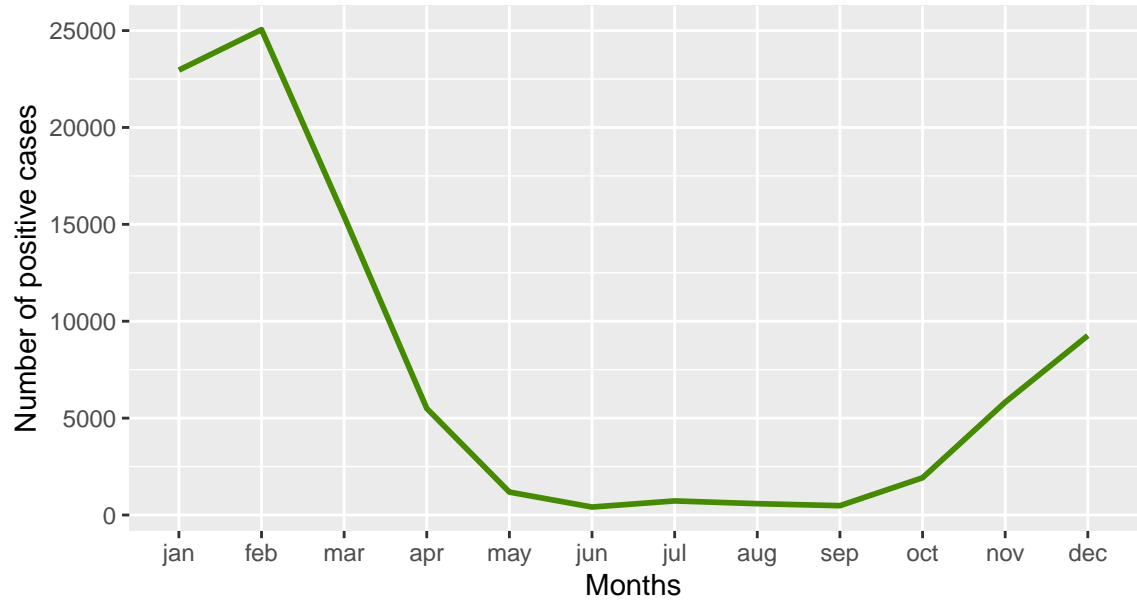
South America Region



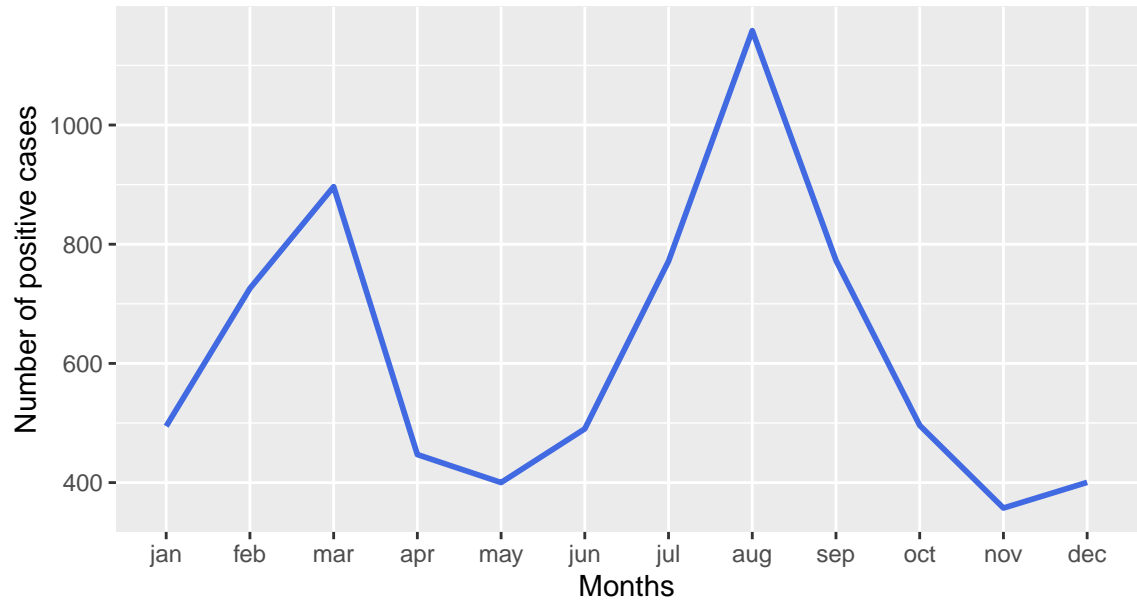
Central America Region



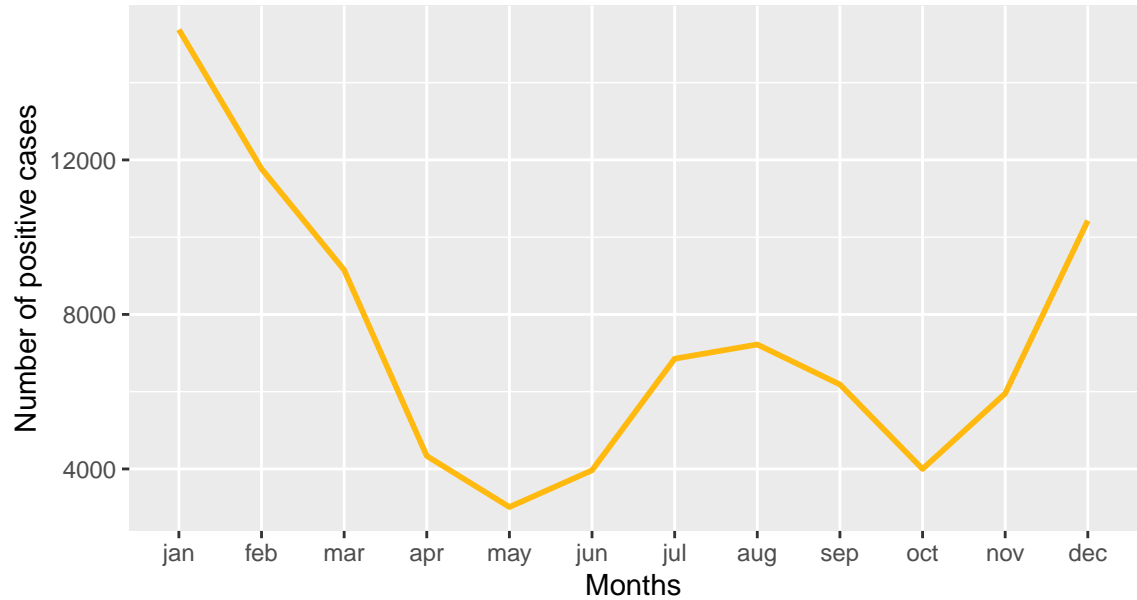
European Region

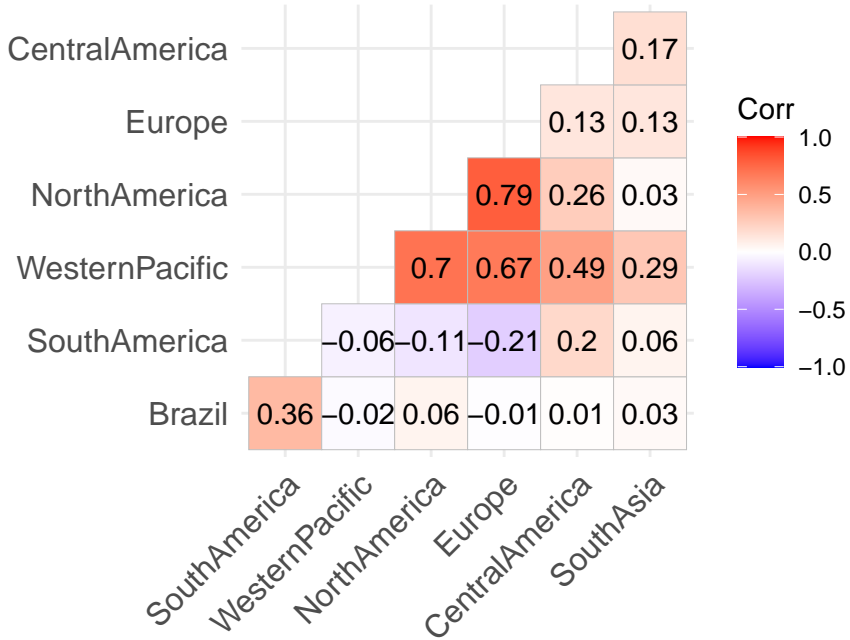


South Asia Region

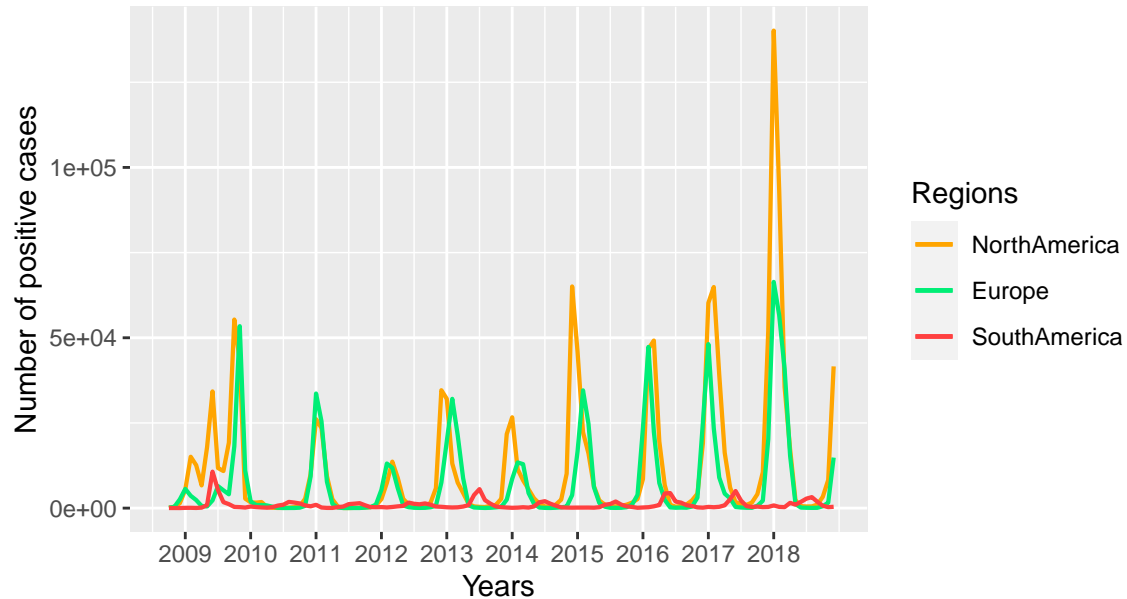


Western Pacific Region

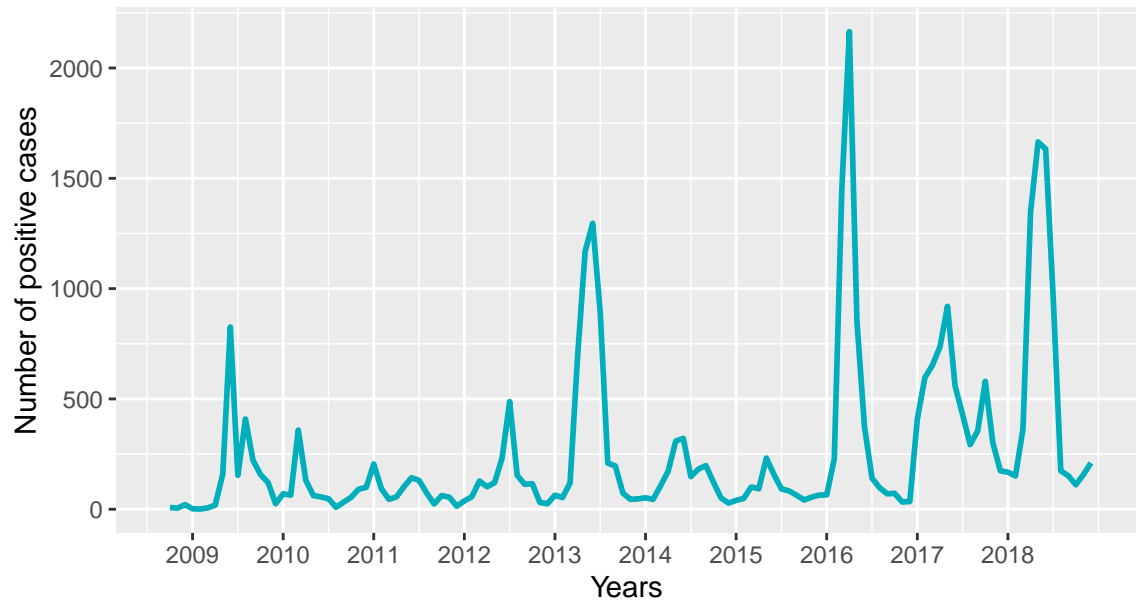




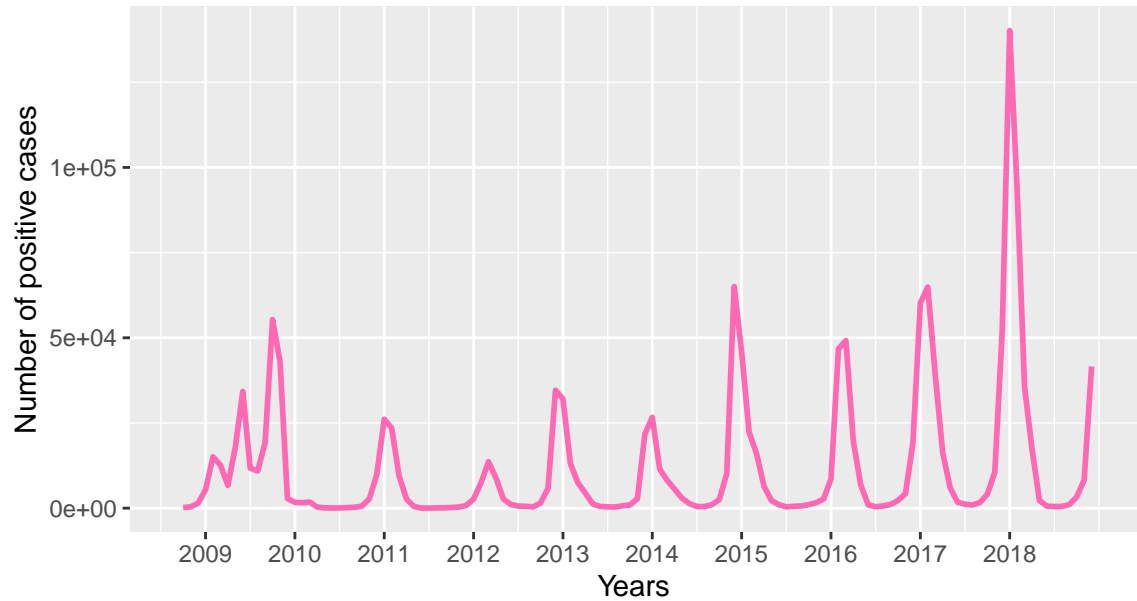
Comparing time series



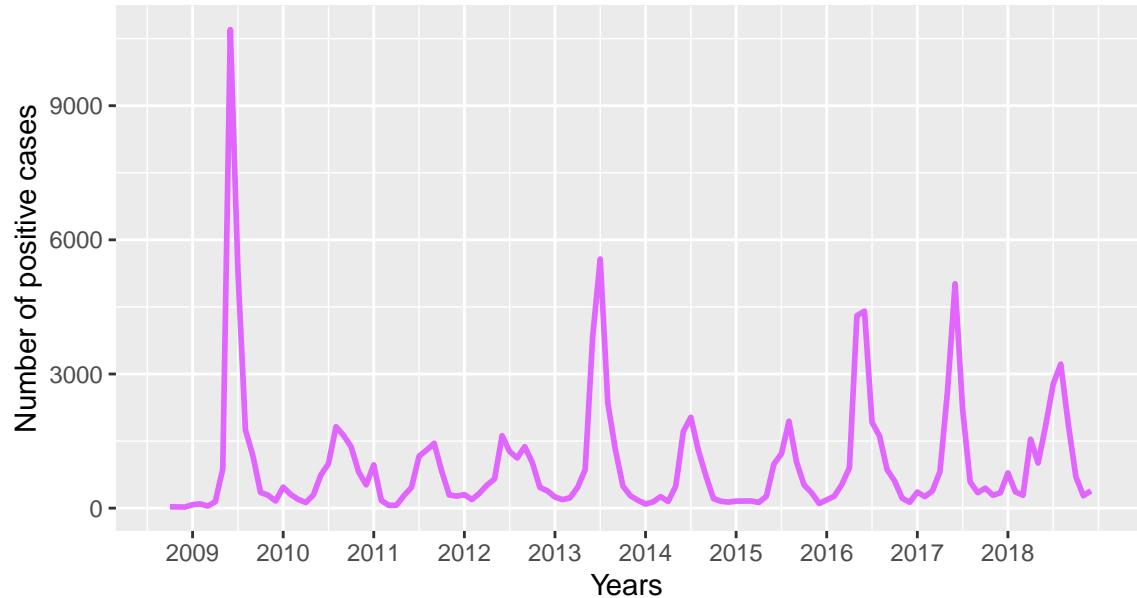
Brazil



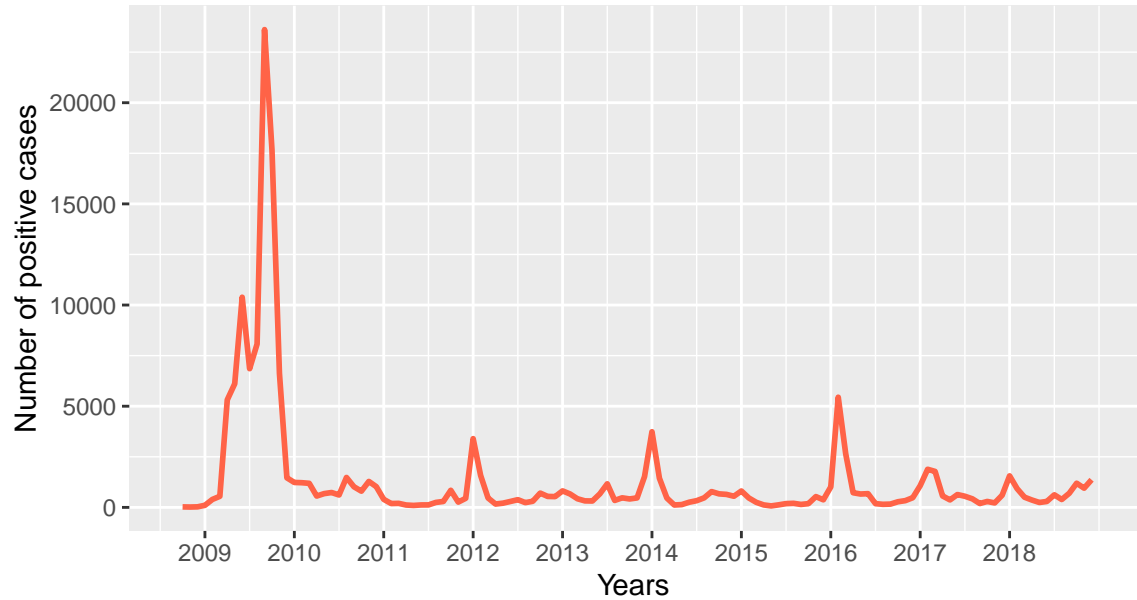
North America Region



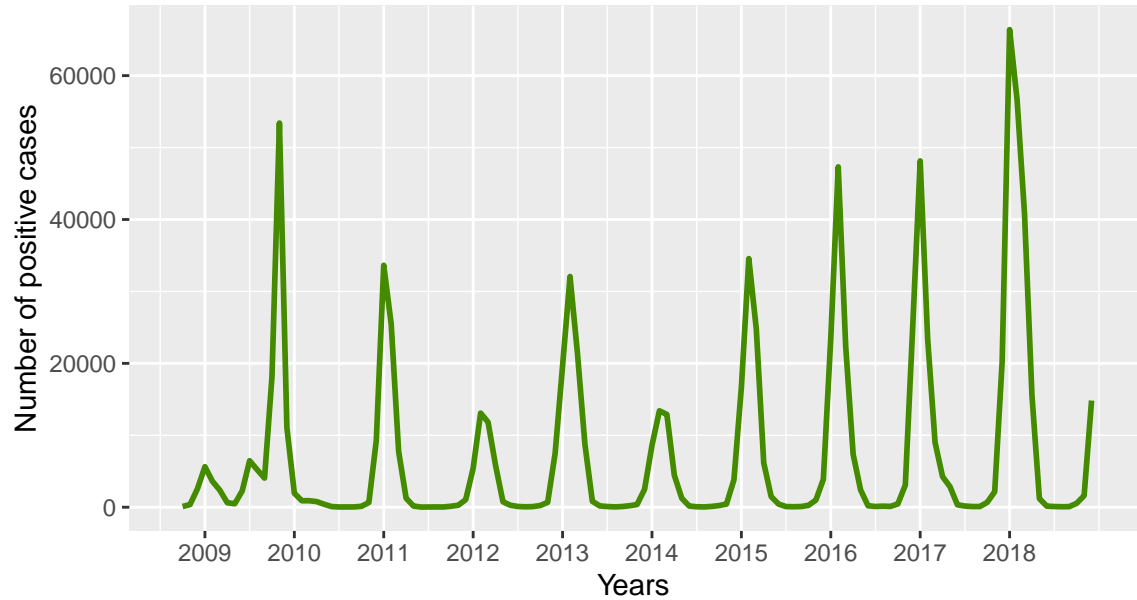
South America Region



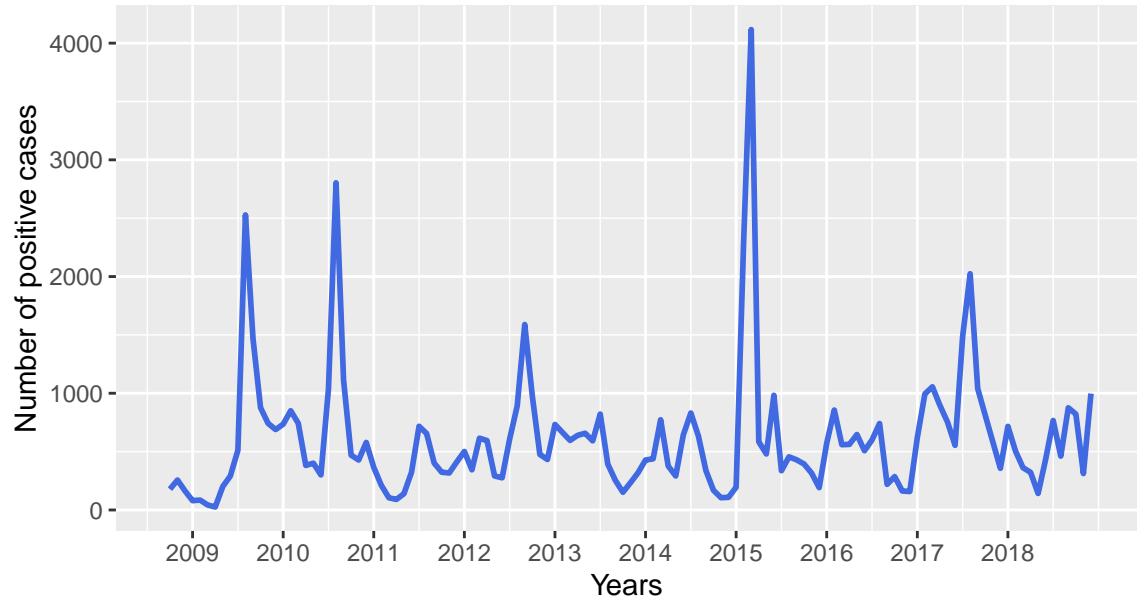
Central America Region



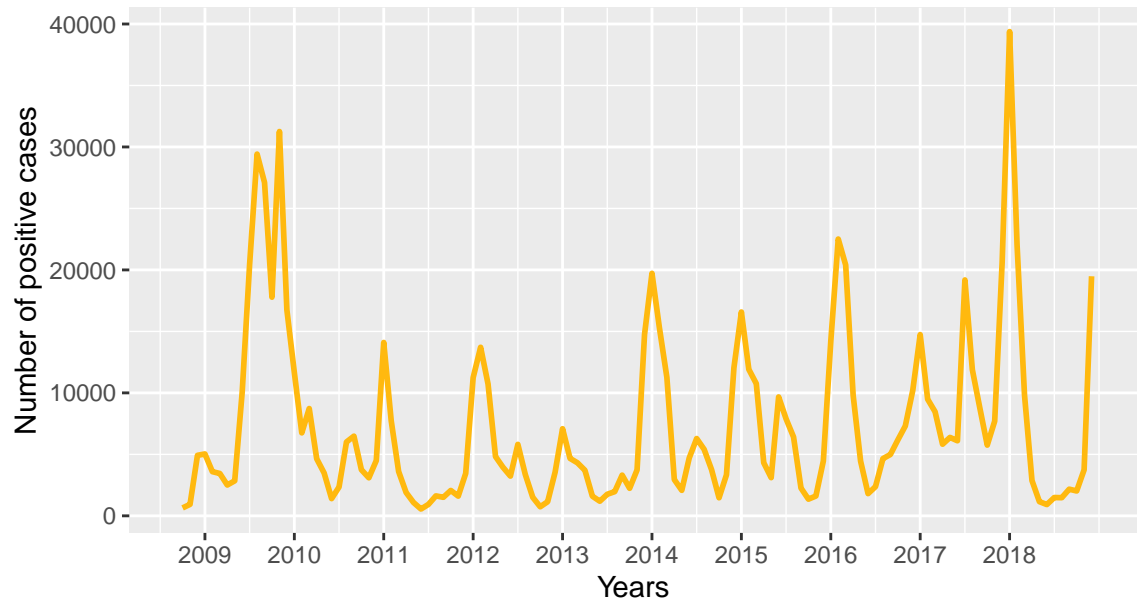
European Region



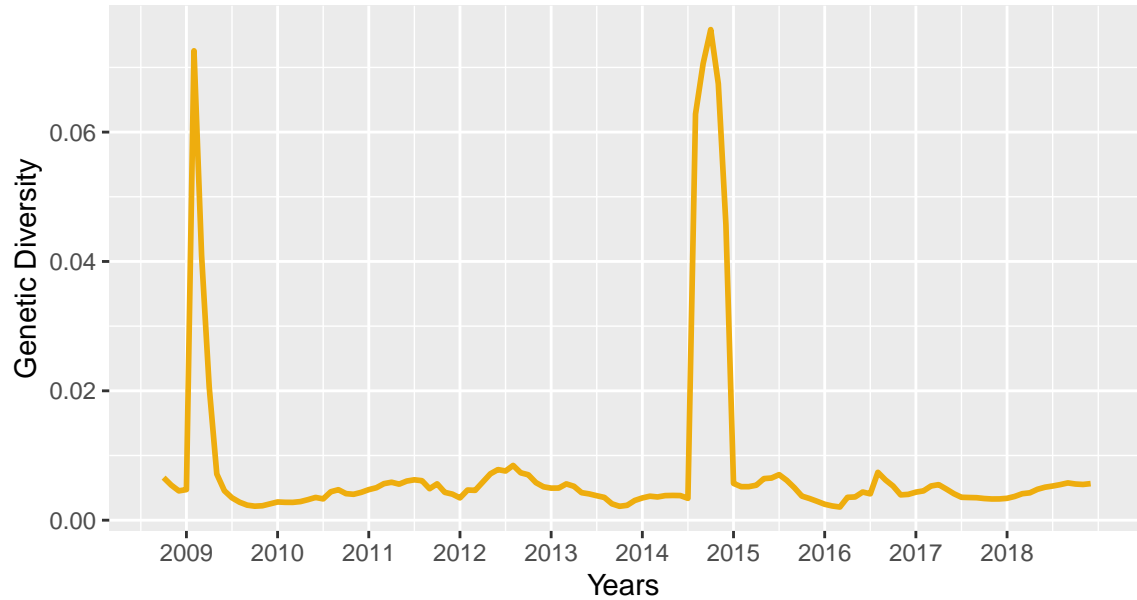
South Asia Region



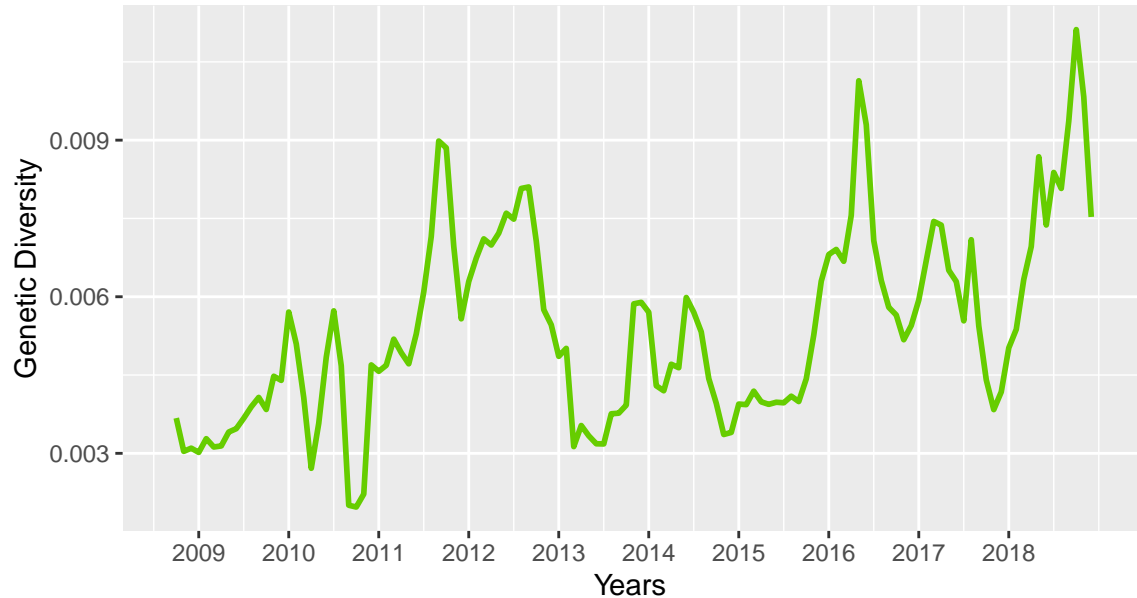
Western Pacific Region



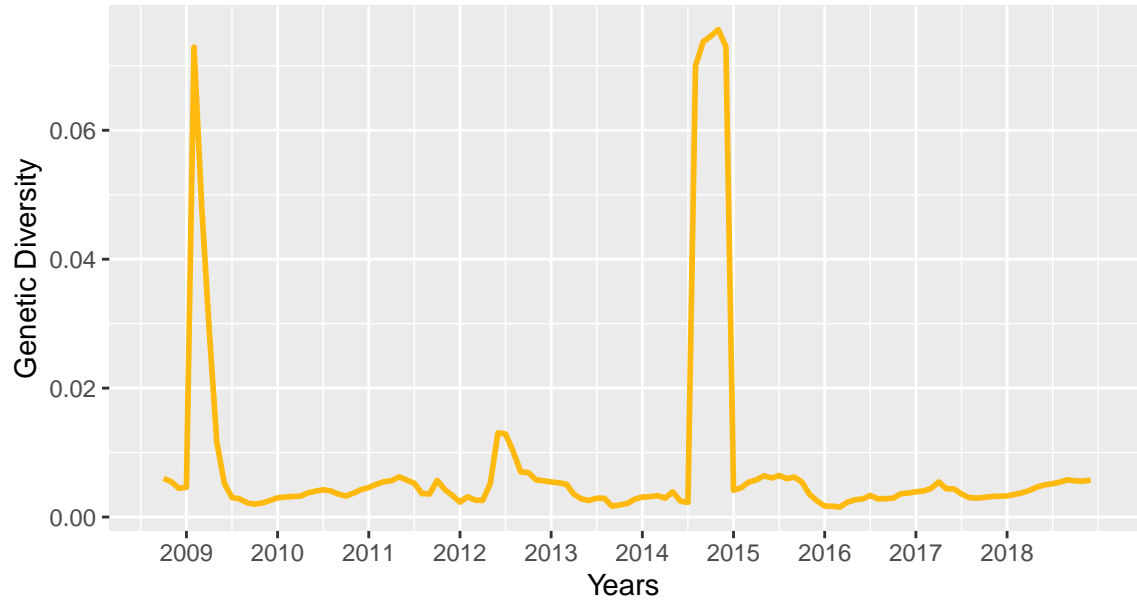
Global Diversity (H1N1)



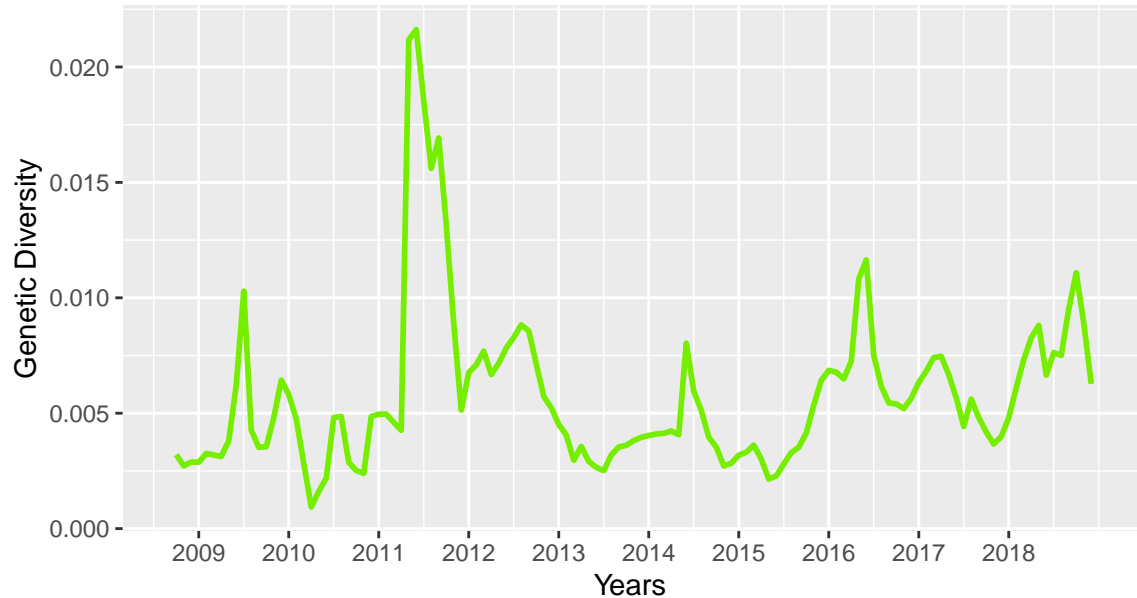
Global Diversity (H3N2)



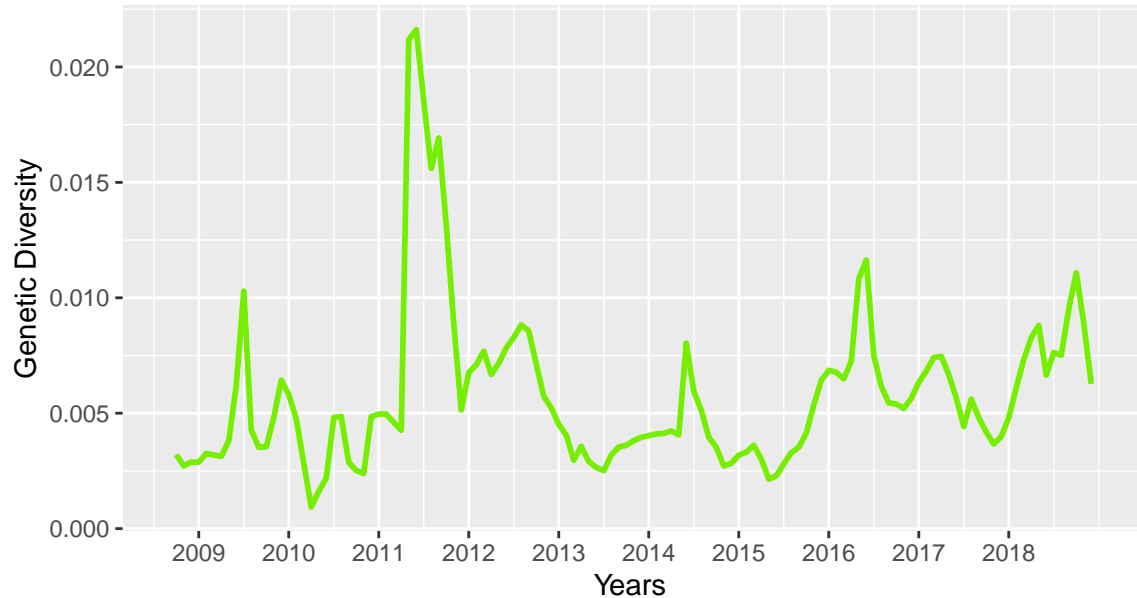
North America Diversity (H1N1)



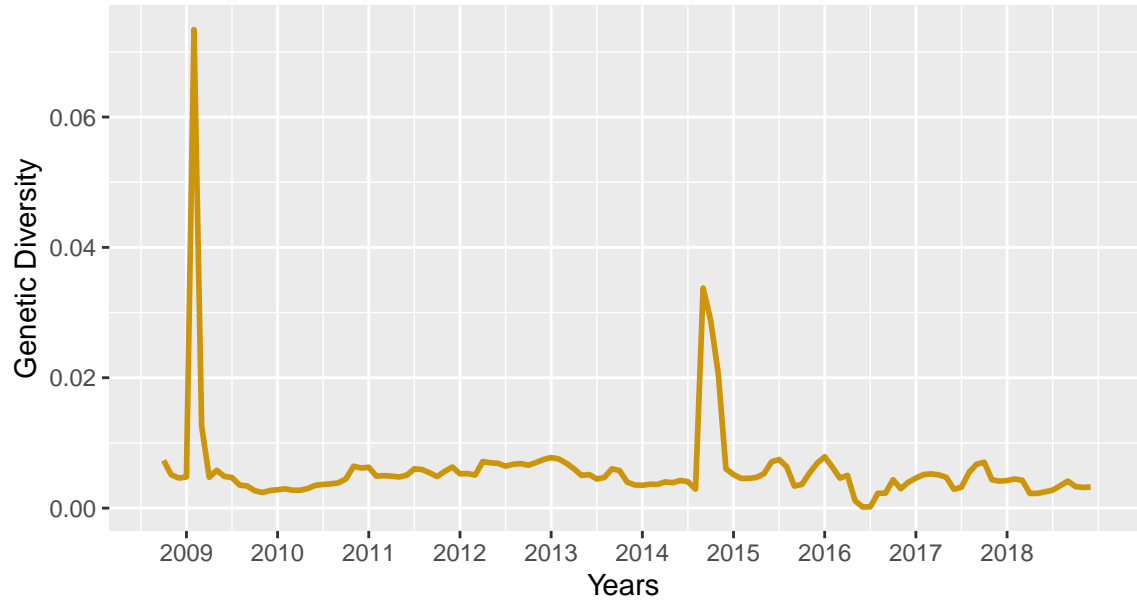
North America Diversity (H3N2)



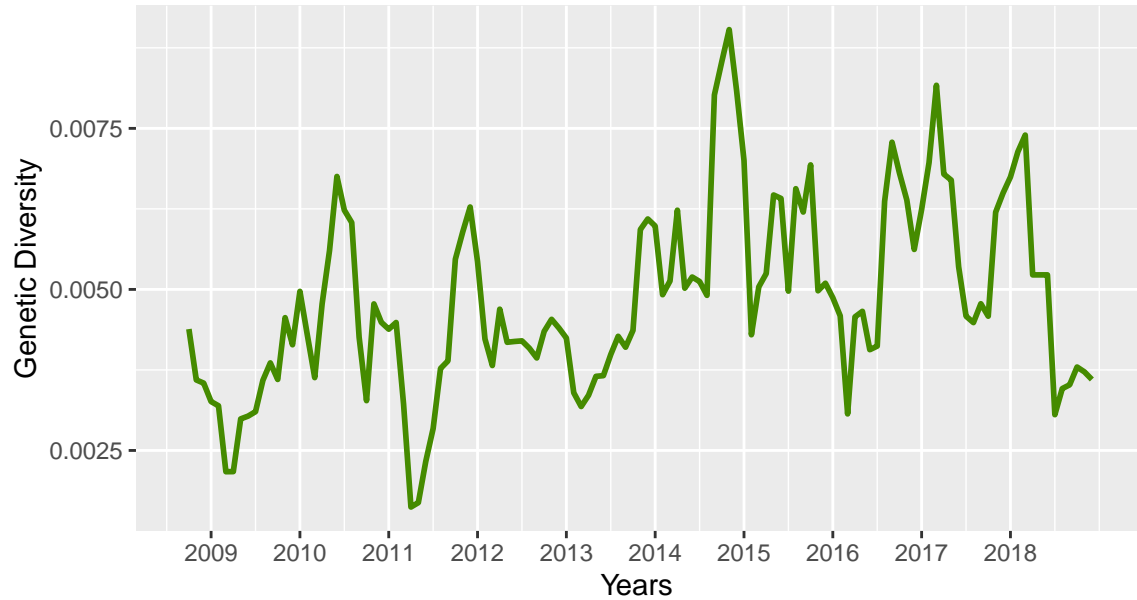
North America Diversity (H3N2)



Asia Diversity (H1N1)

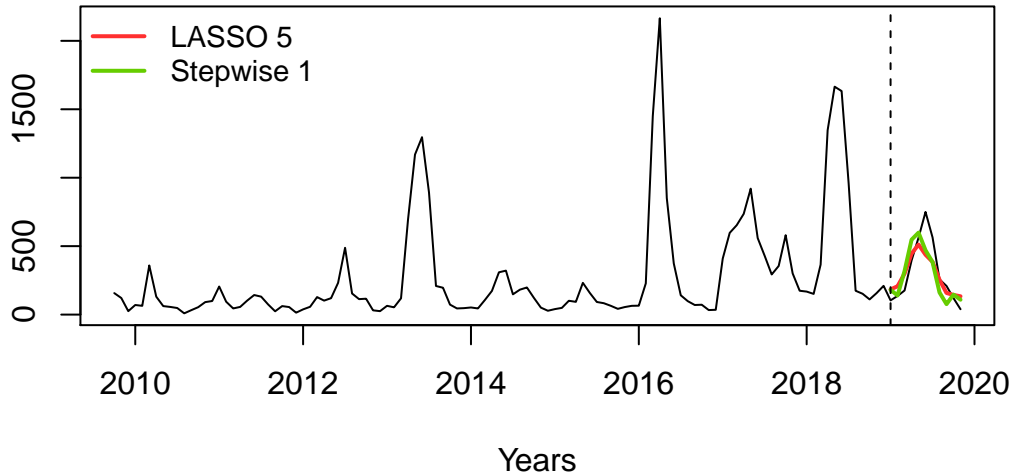


Asia Diversity (H3N2)



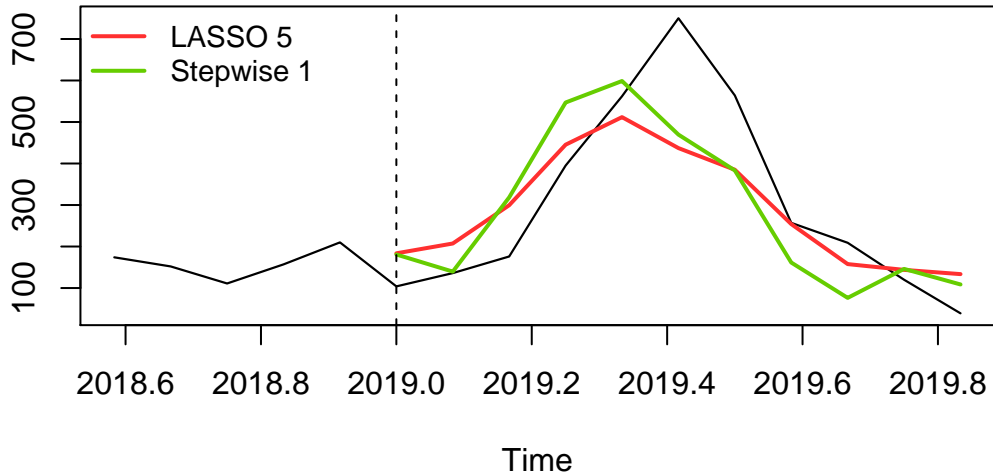
Forecasts of the different models

Number of positive cases

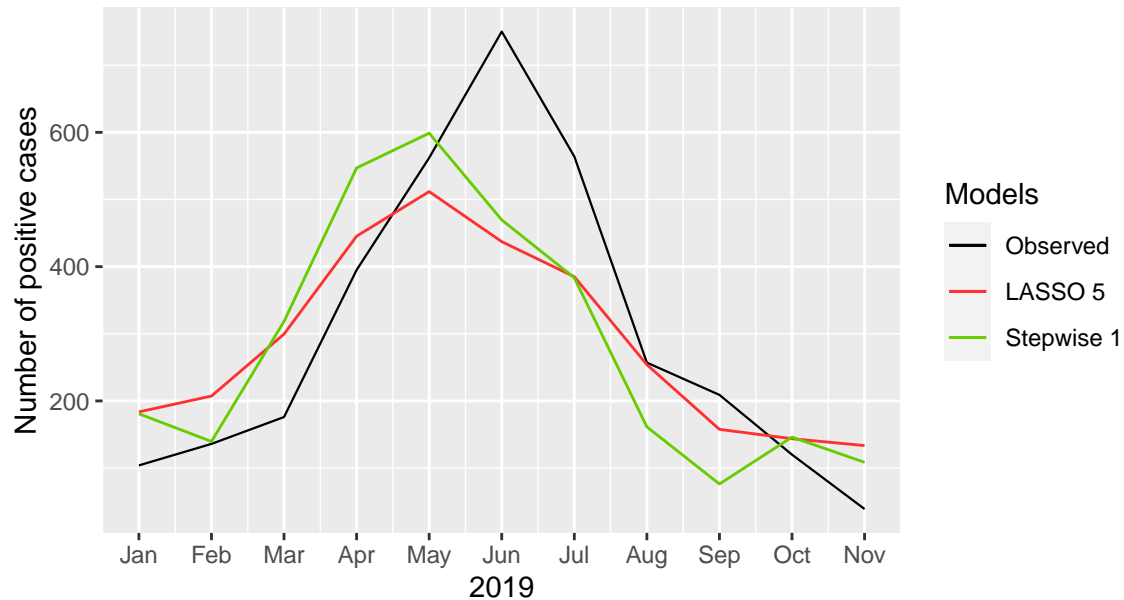


Forecasts of the different models

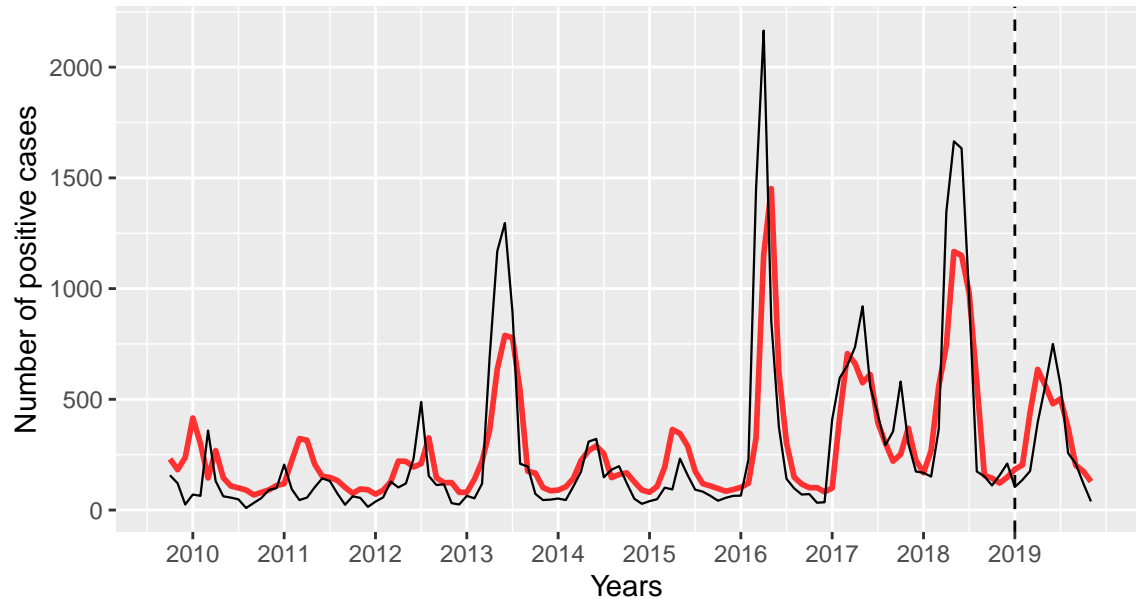
Number of positive cases



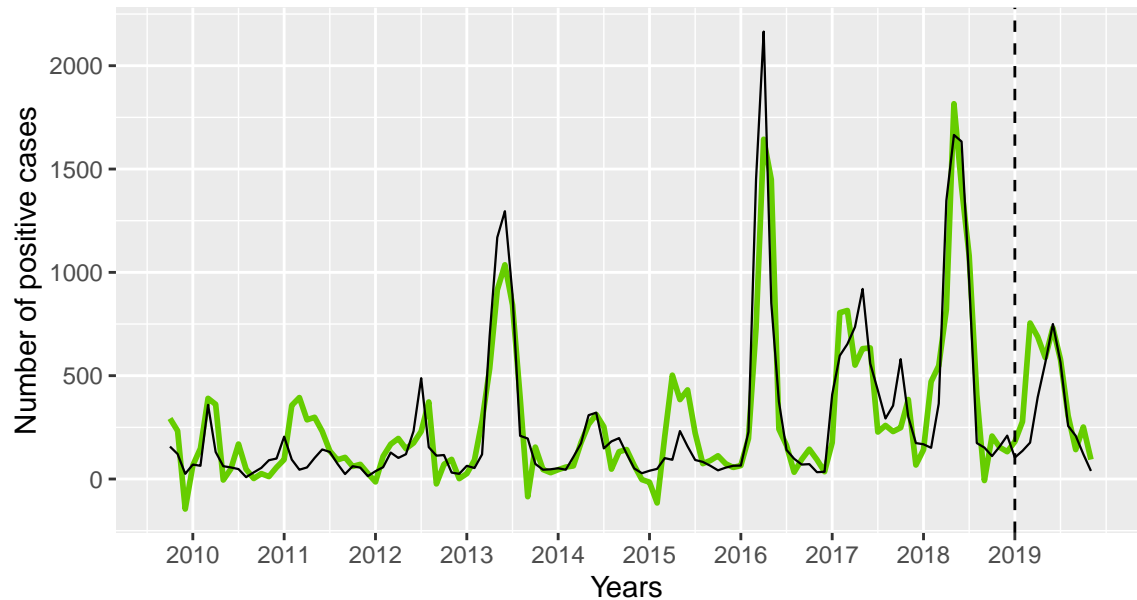
Out-of-sample forecasts



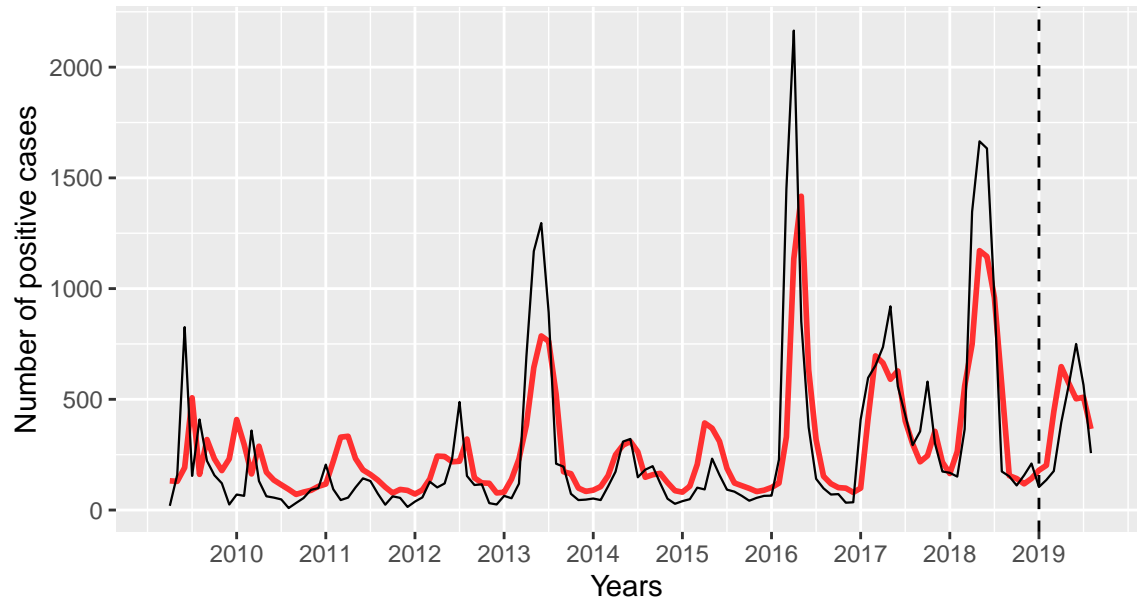
Predicted values (LASSO $p=5$)



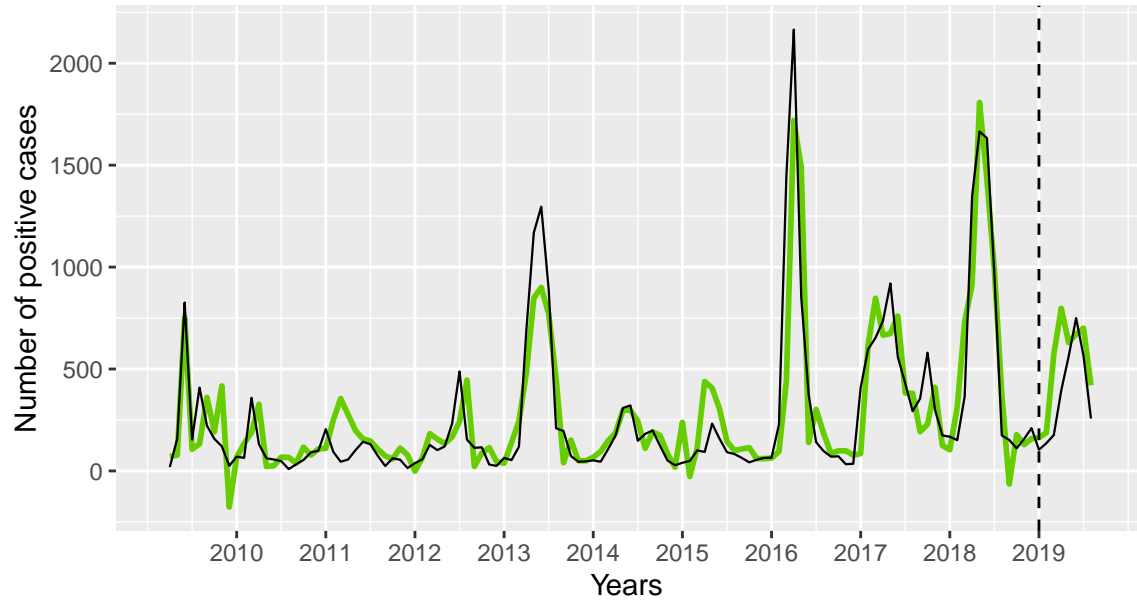
Predicted values (Stepwise 1 Model)



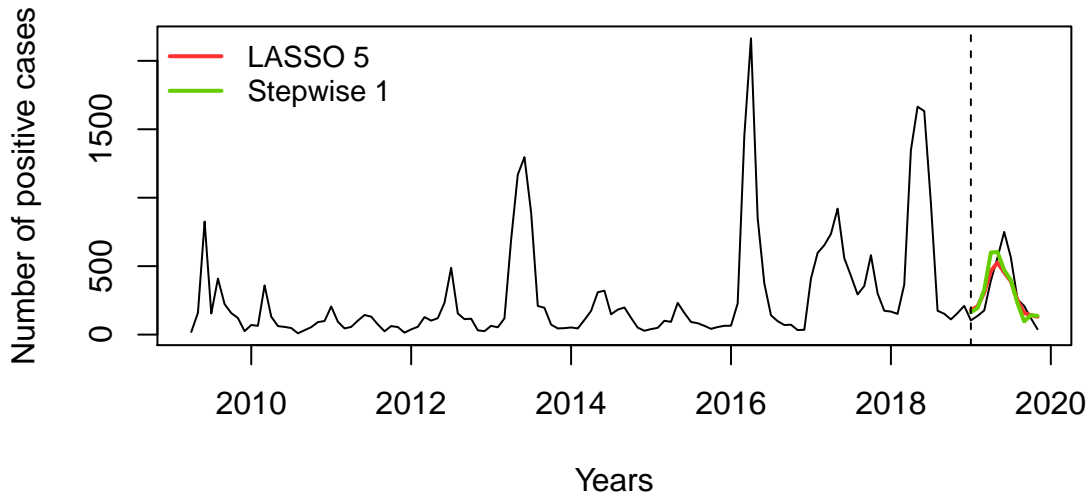
Predicted values (LASSO $p=5$)



Predicted values (Stepwise 1 Model)

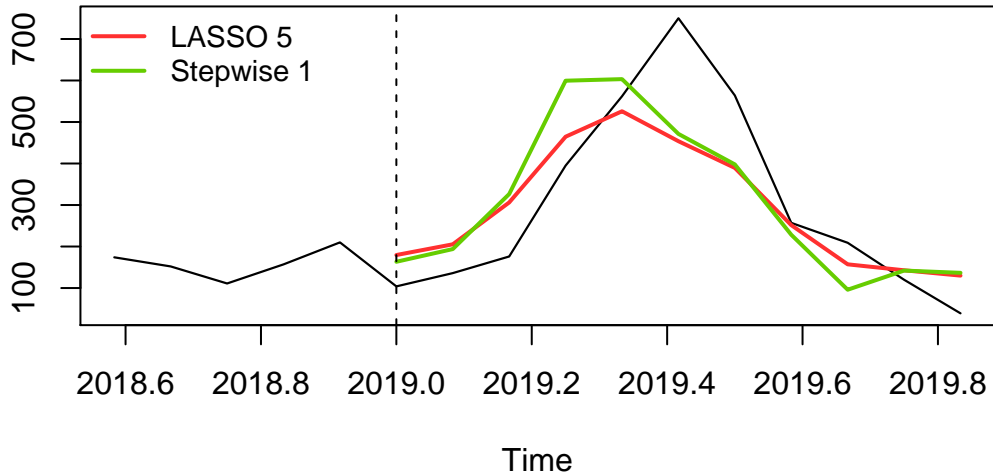


Forecasts of the different models

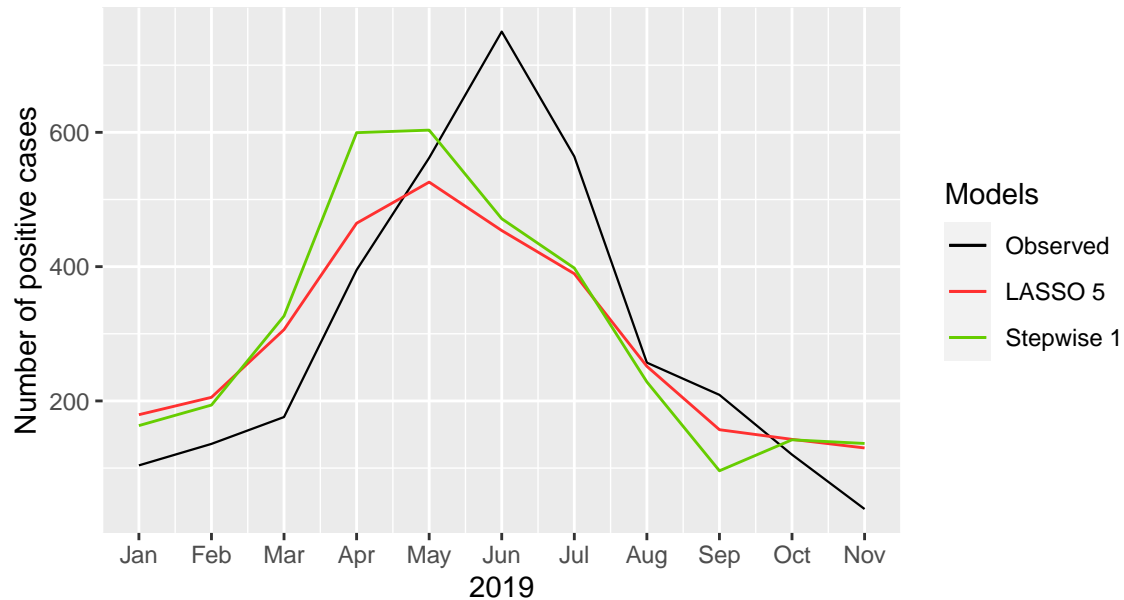


Forecasts of the different models

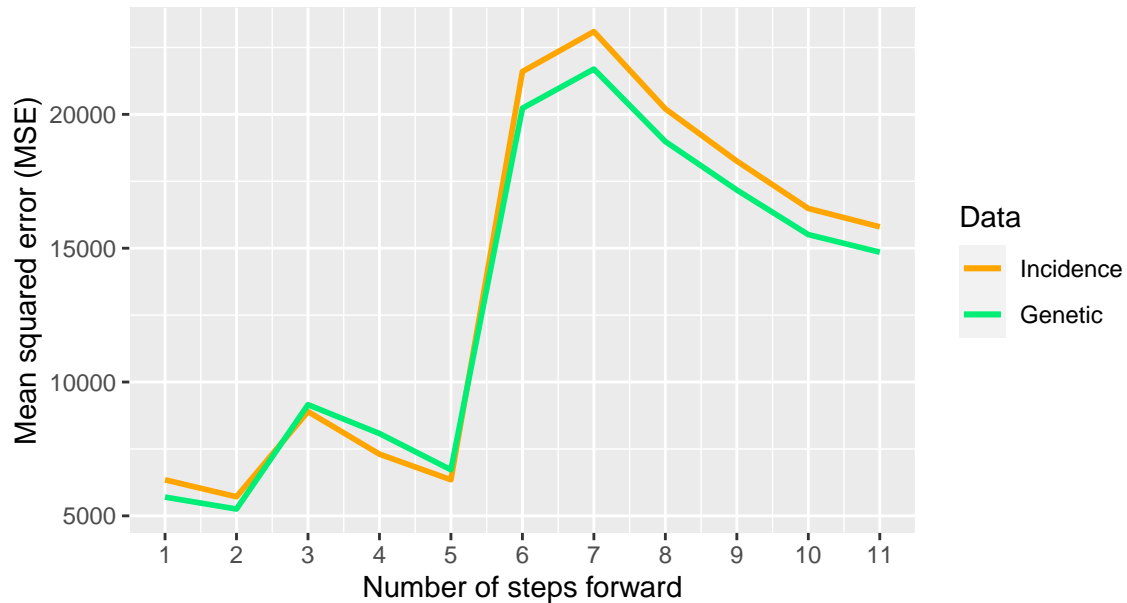
Number of positive cases



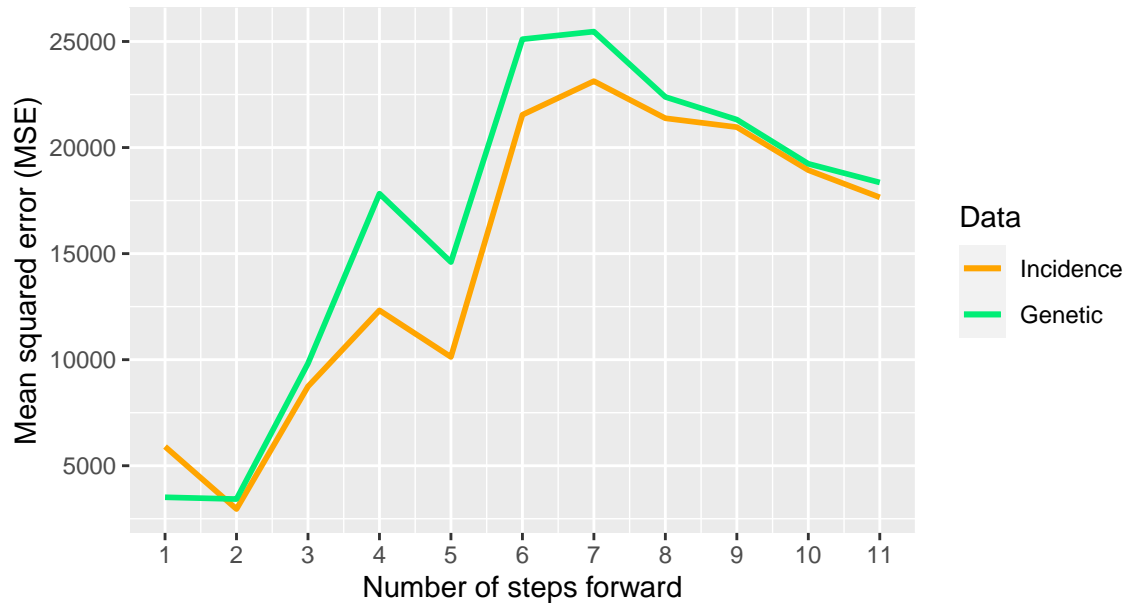
Out-of-sample forecasts

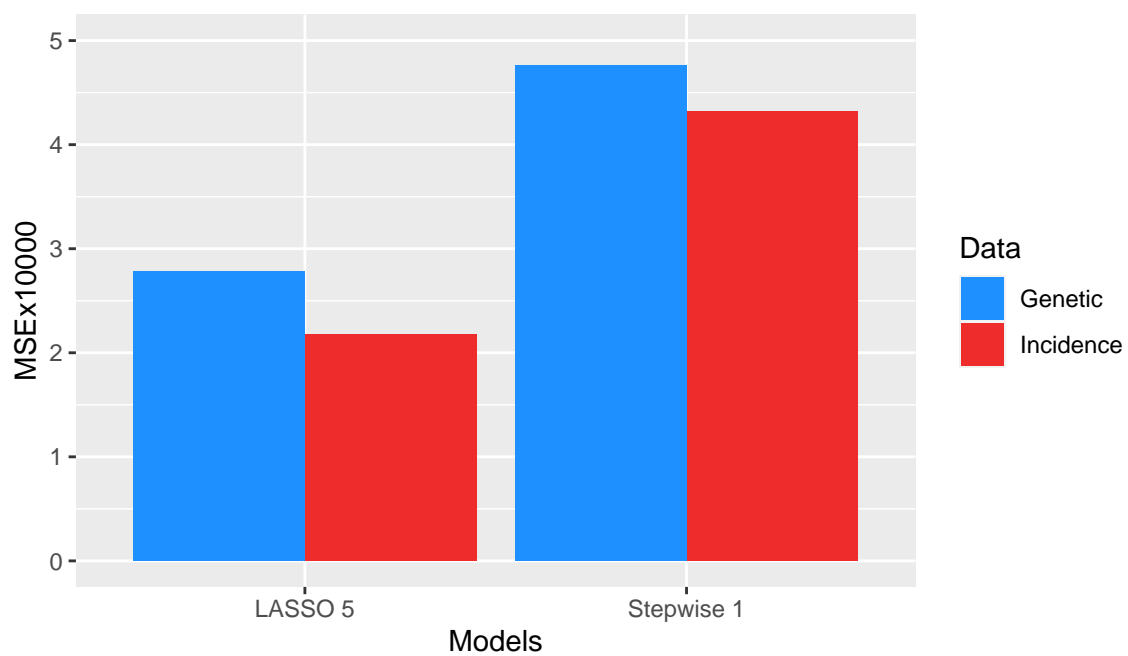


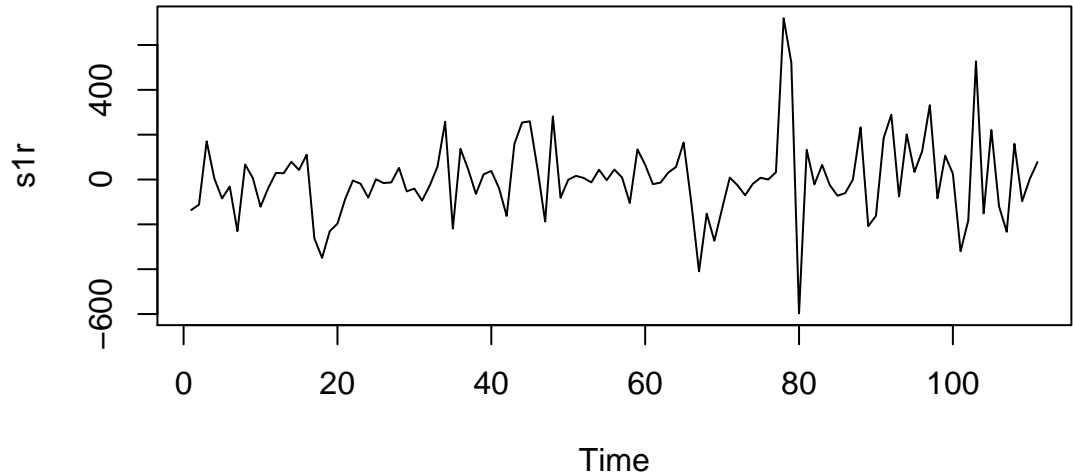
Comparing MSE (LASSO $p=5$)



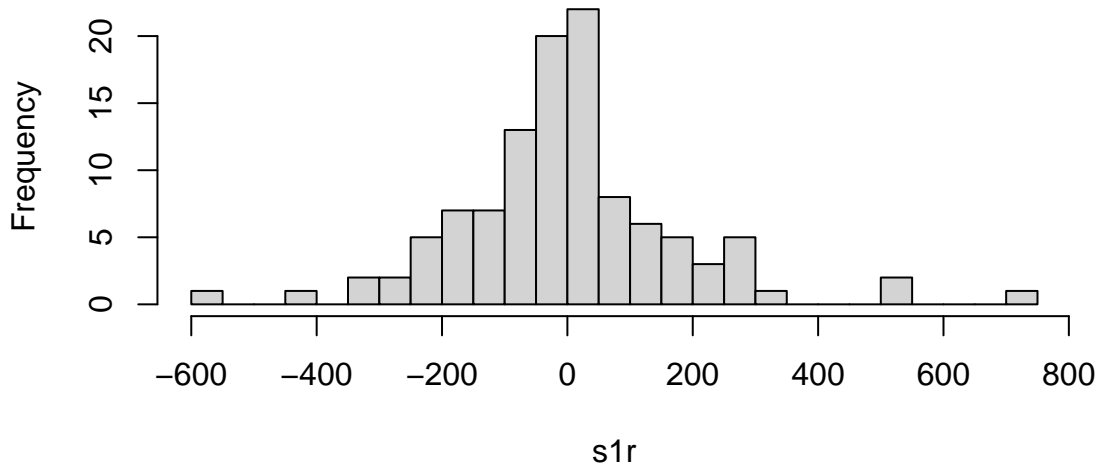
Comparing MSE (Stepwise 1 Model)



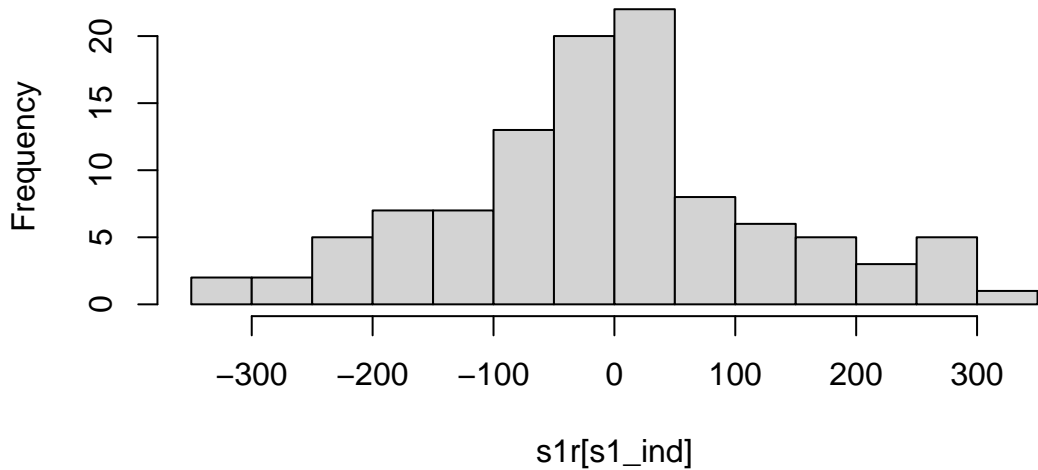


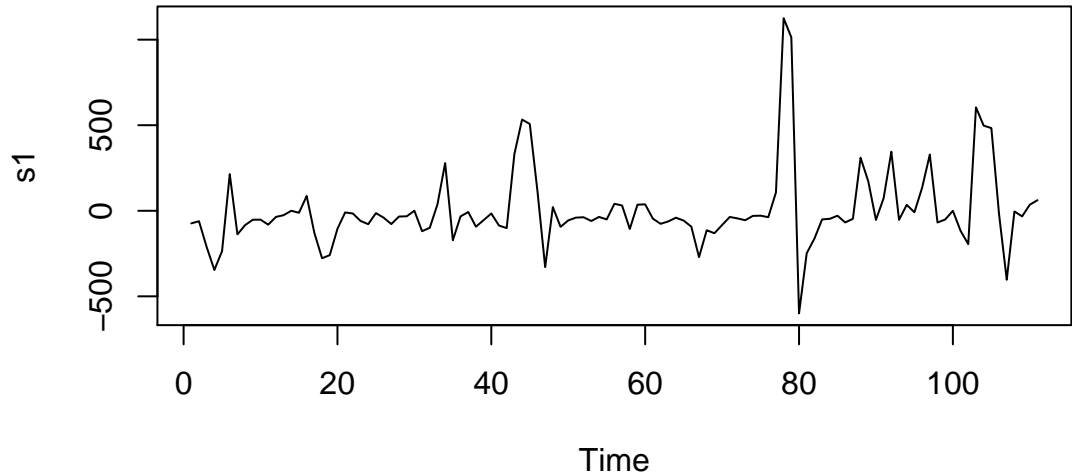


Histogram of s1r

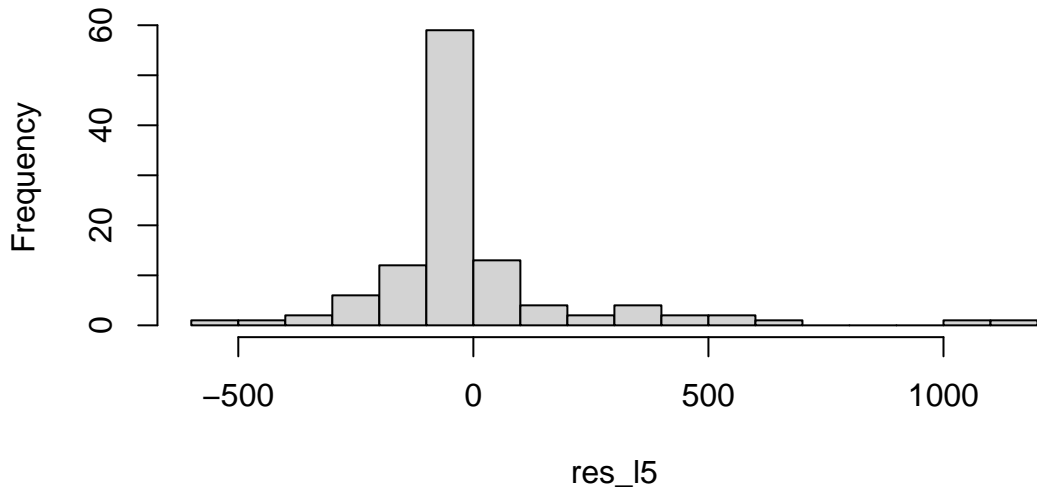


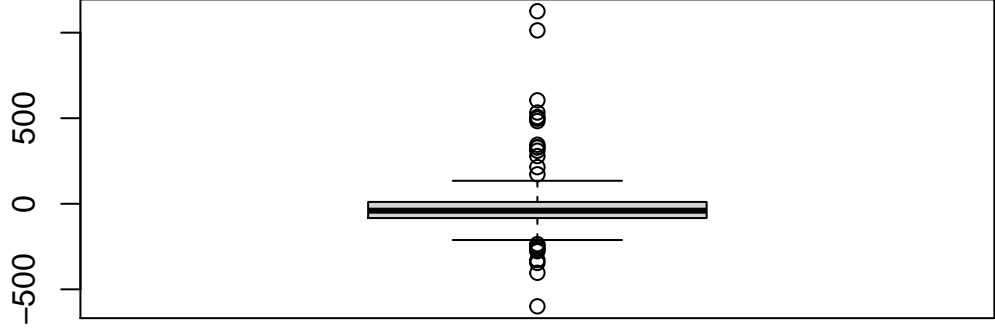
Histogram of s1r[s1_ind]



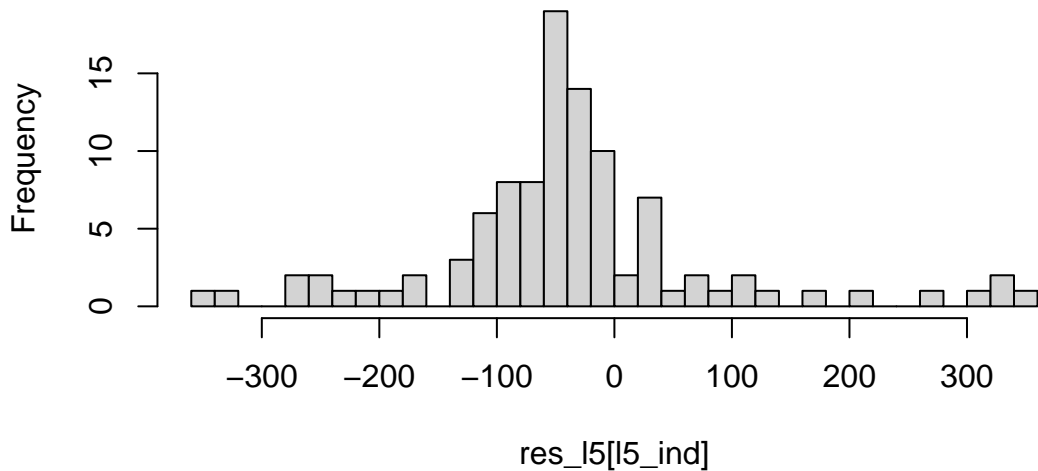


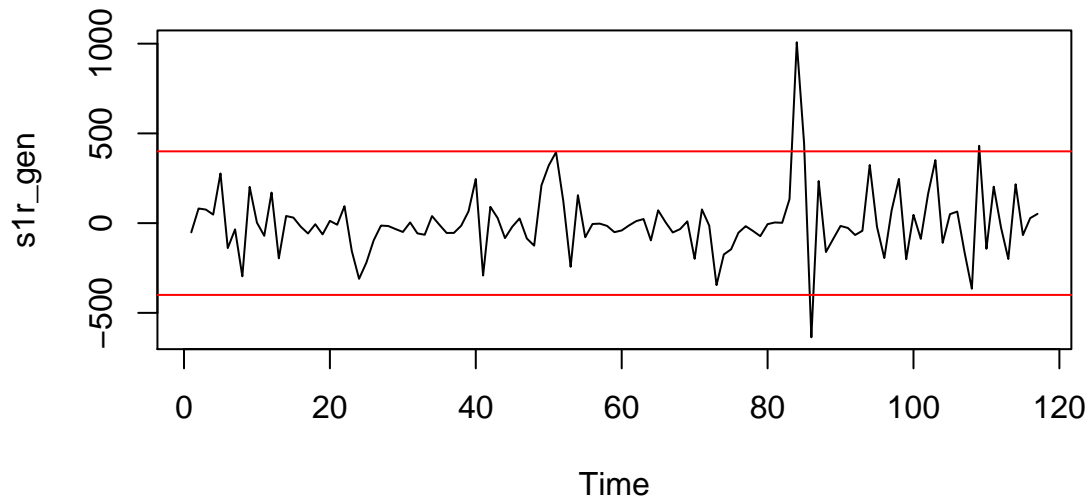
Histogram of res_l5



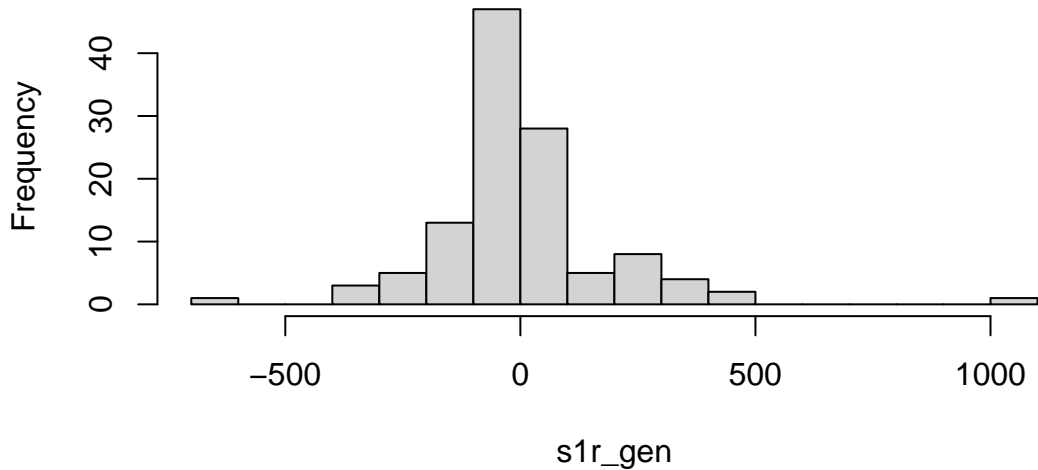


Histogram of res_l5[l5_ind]

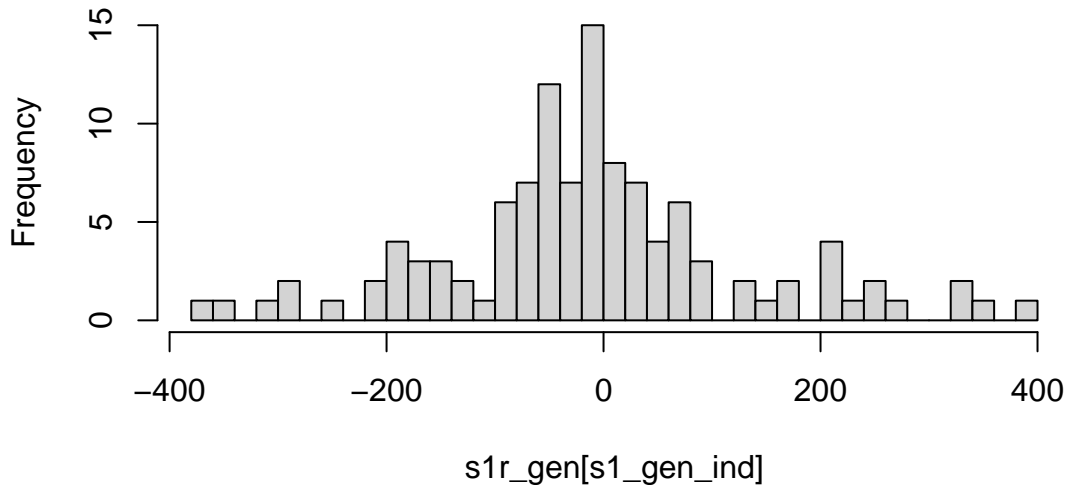




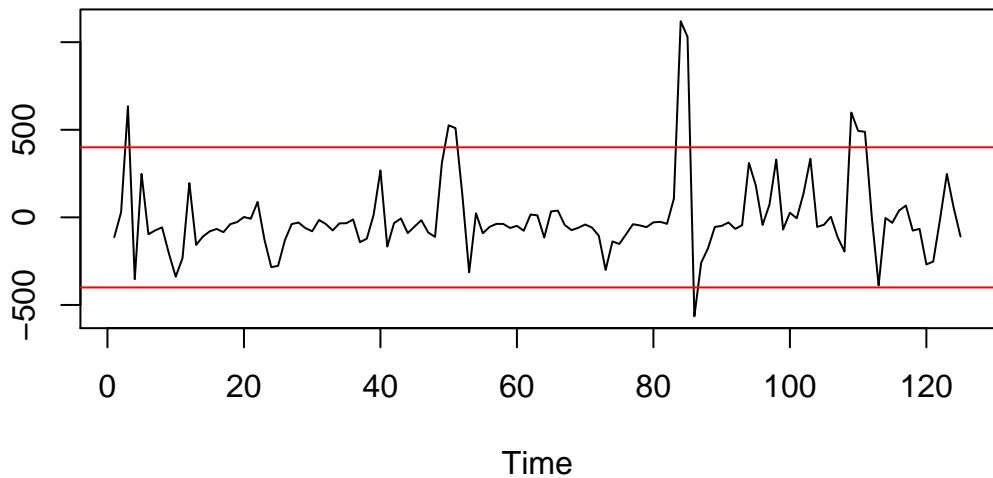
Histogram of s1r_gen



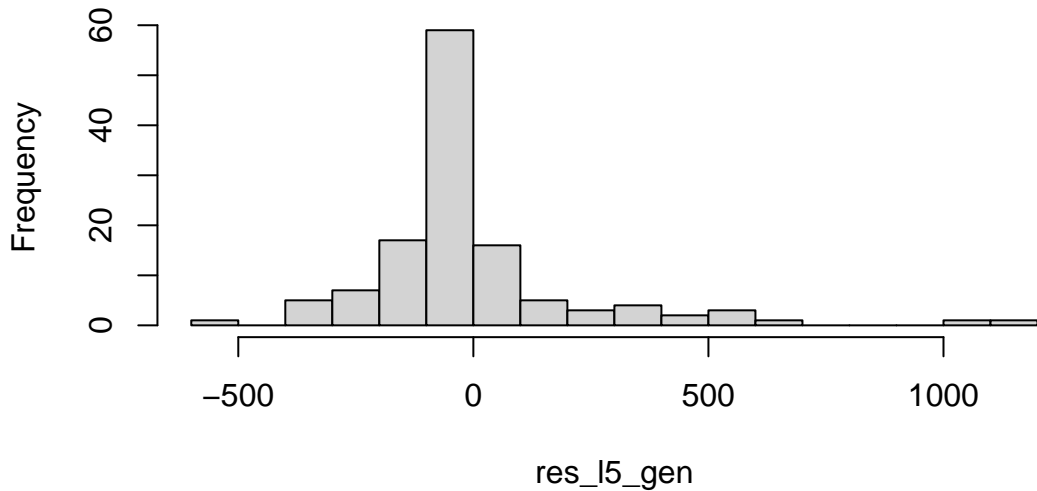
Histogram of s1r_gen[s1_gen_ind]

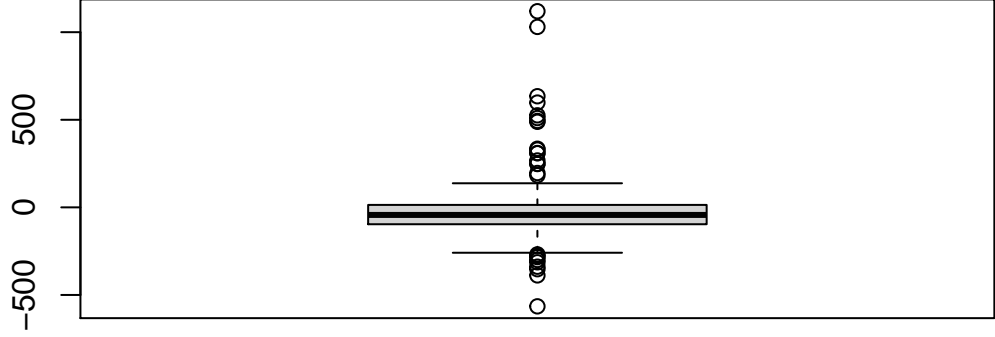


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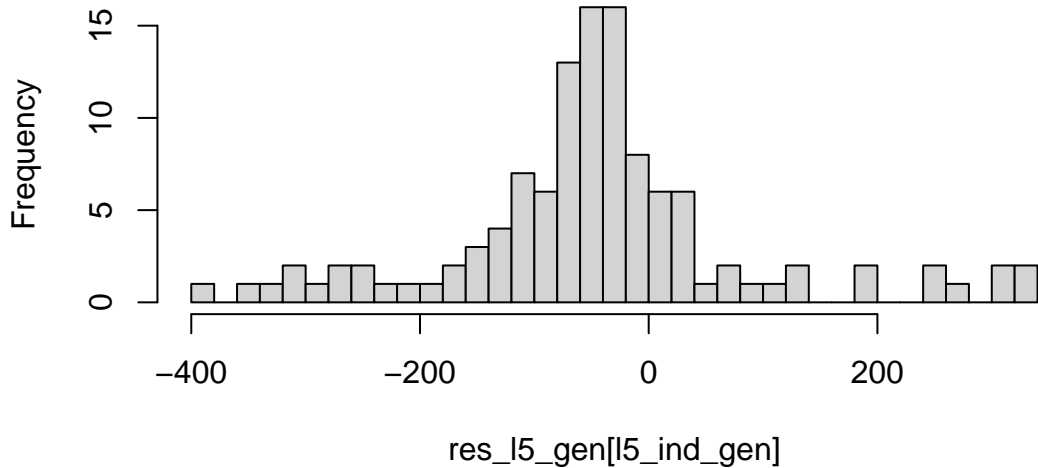


Histogram of res_l5_gen

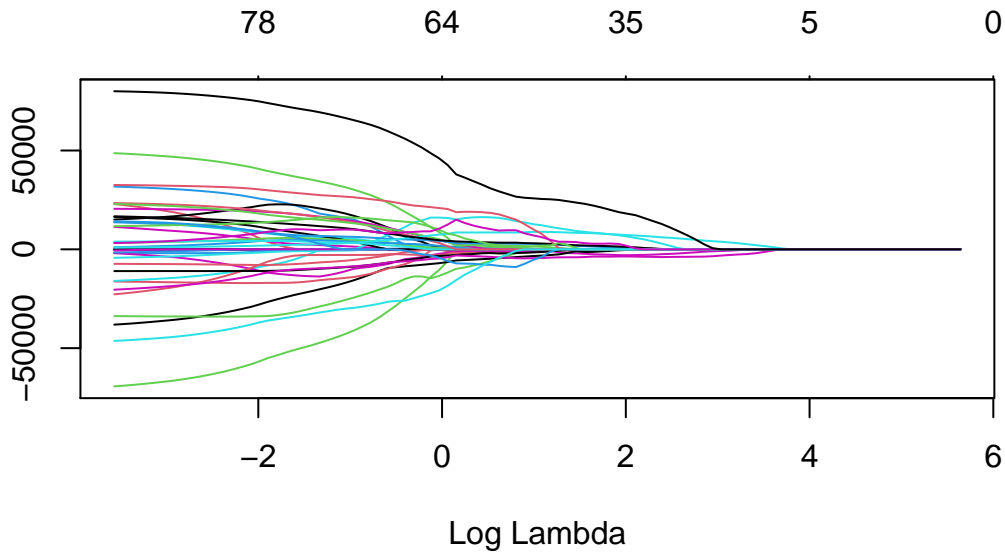




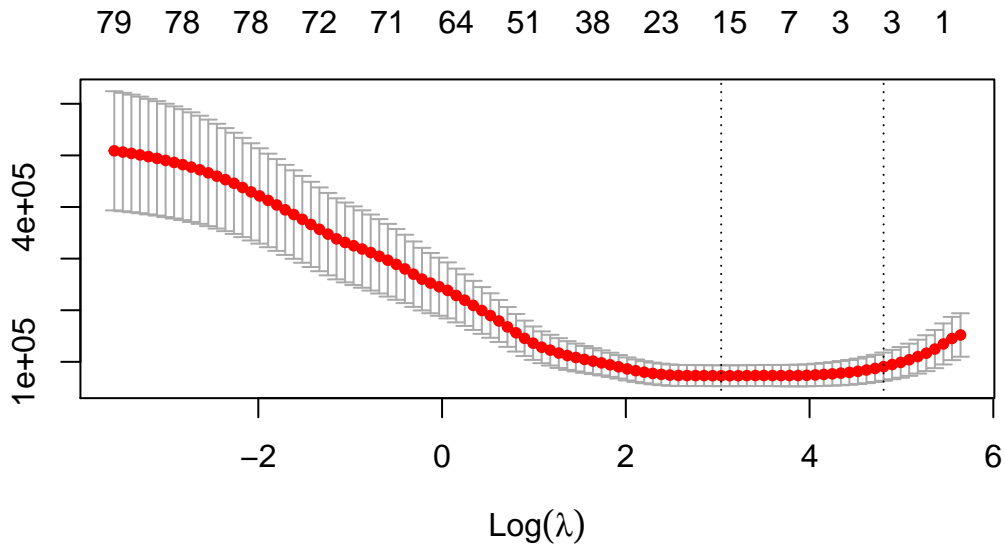
Histogram of res_l5_gen[l5_ind_gen]



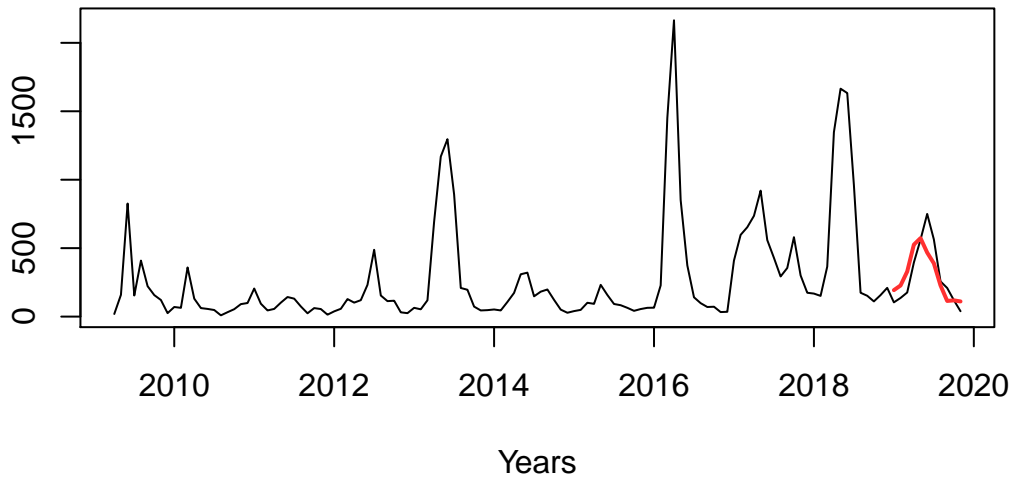
Coefficients



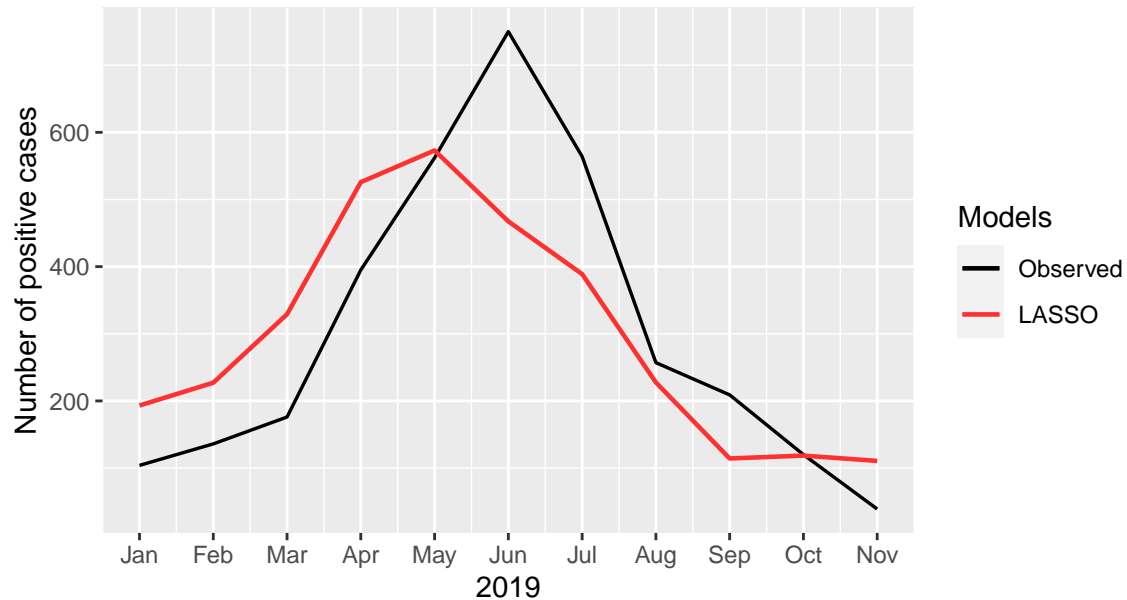
Mean-Squared Error



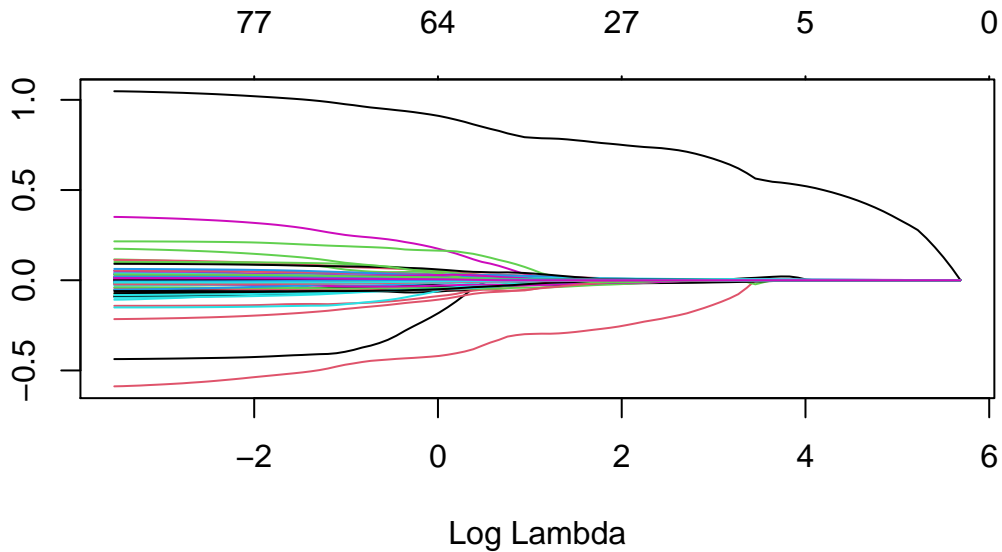
Number of positive cases



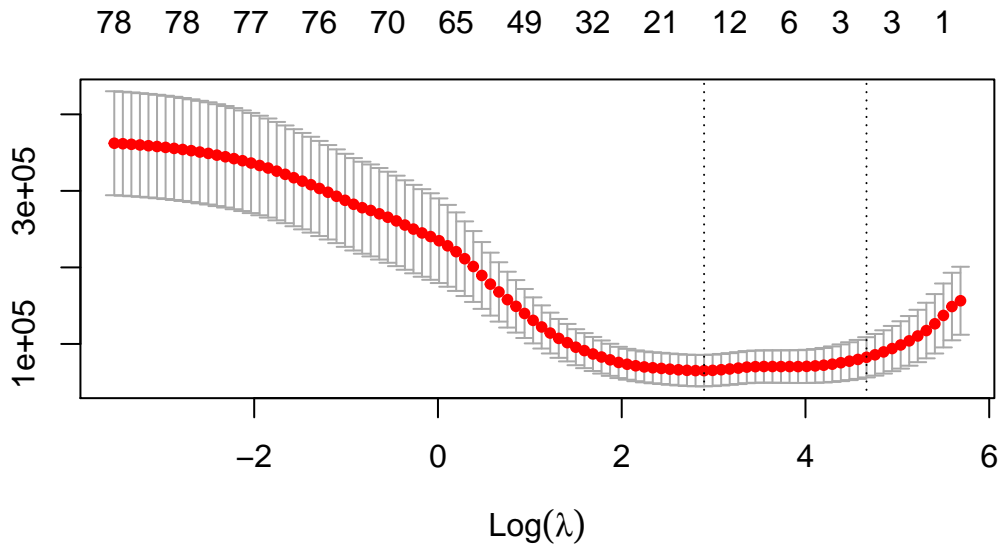
Out-of-sample forecasts



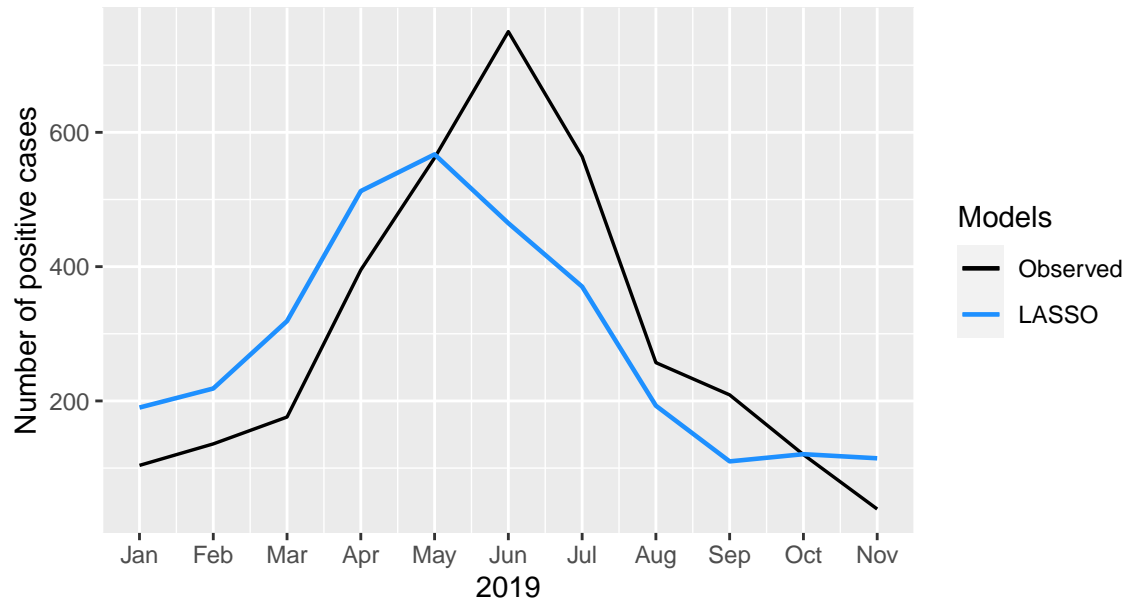
Coefficients



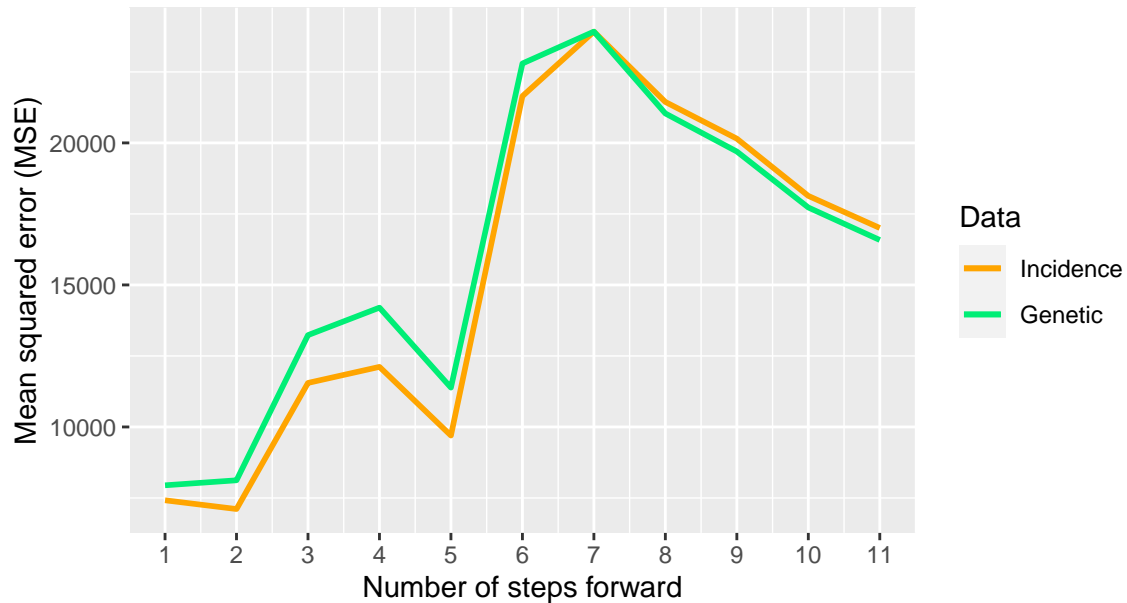
Mean-Squared Error



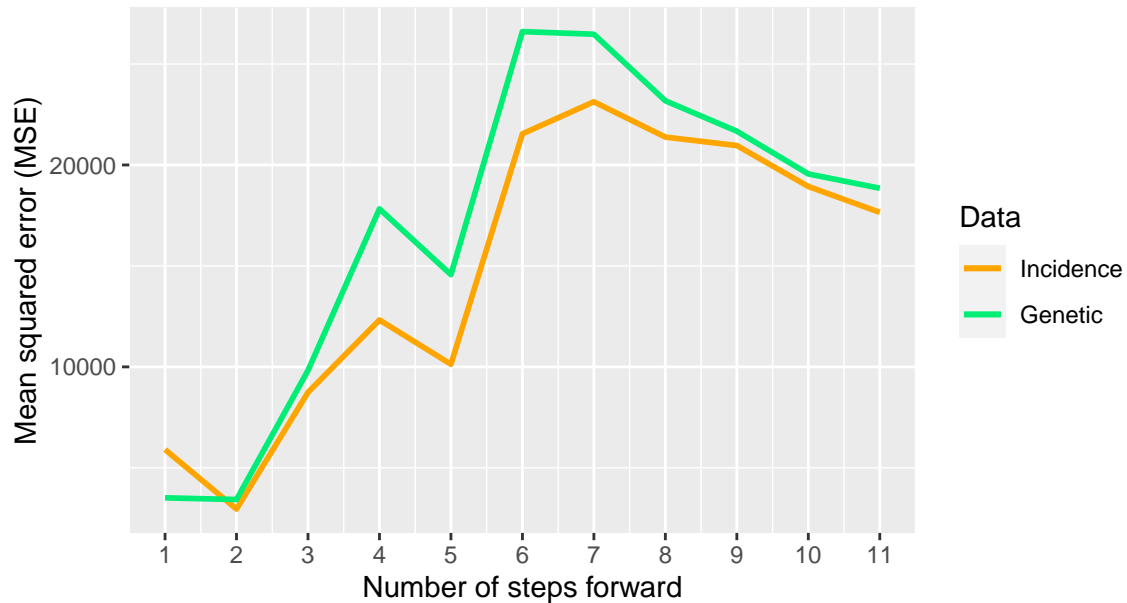
Out-of-sample forecasts



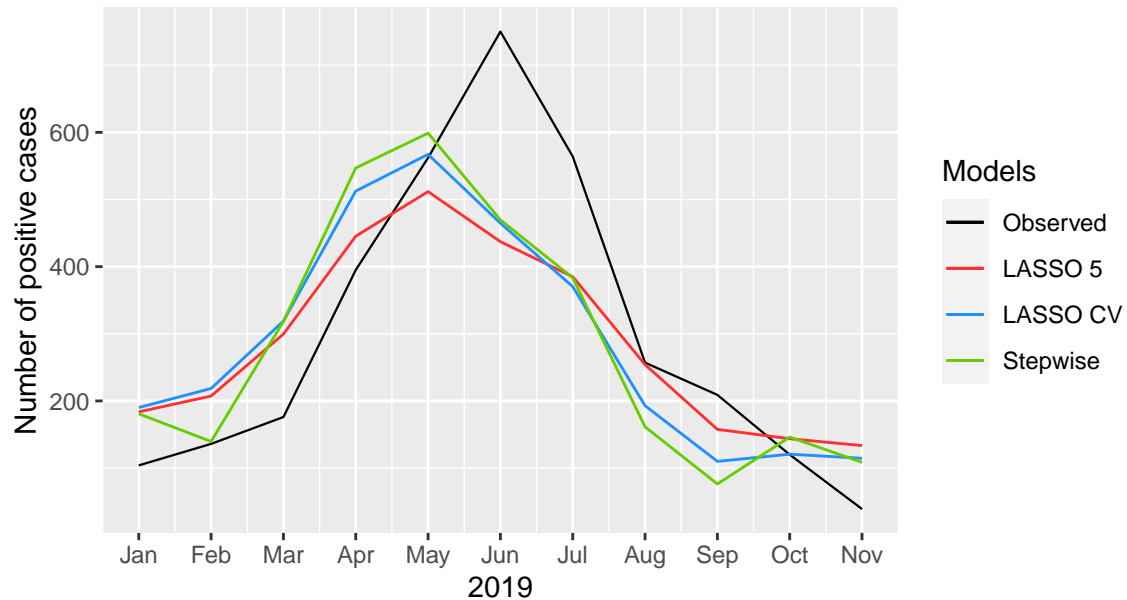
Comparing MSE (LASSO CV)



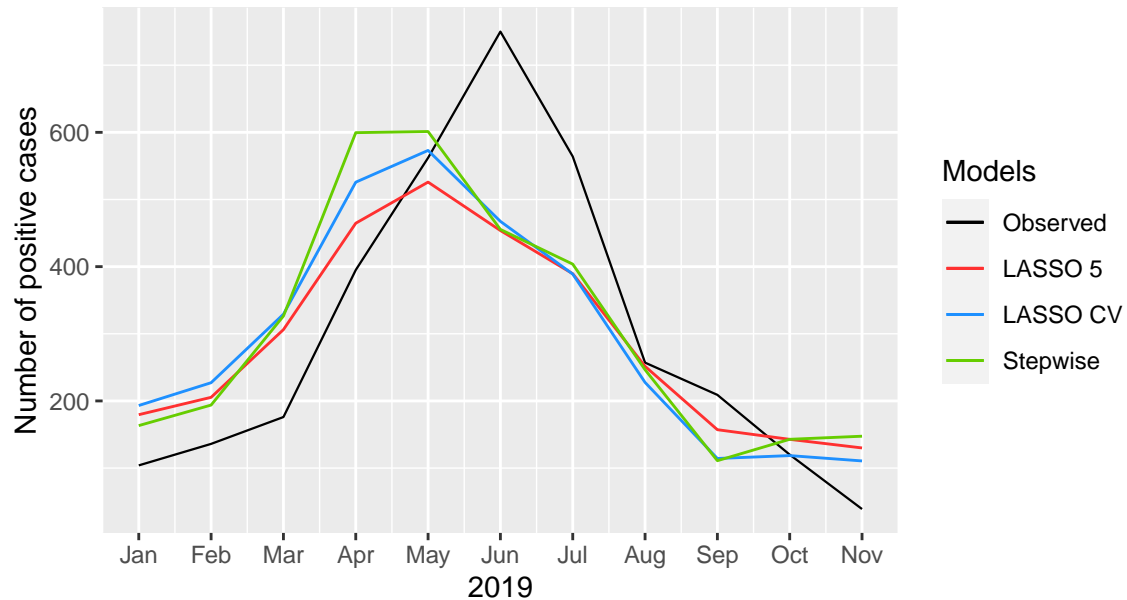
Comparing MSE (Stepwise)



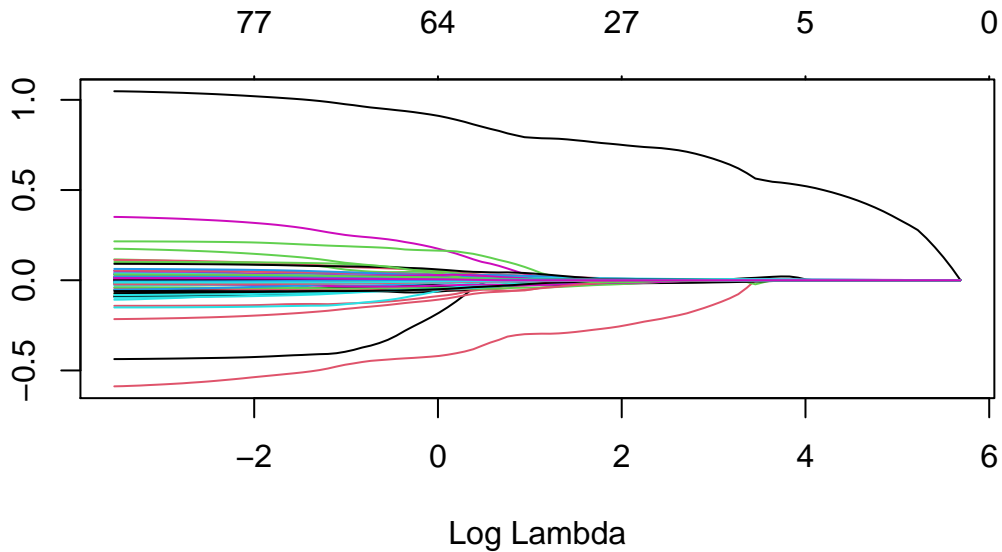
Out-of-sample forecasts



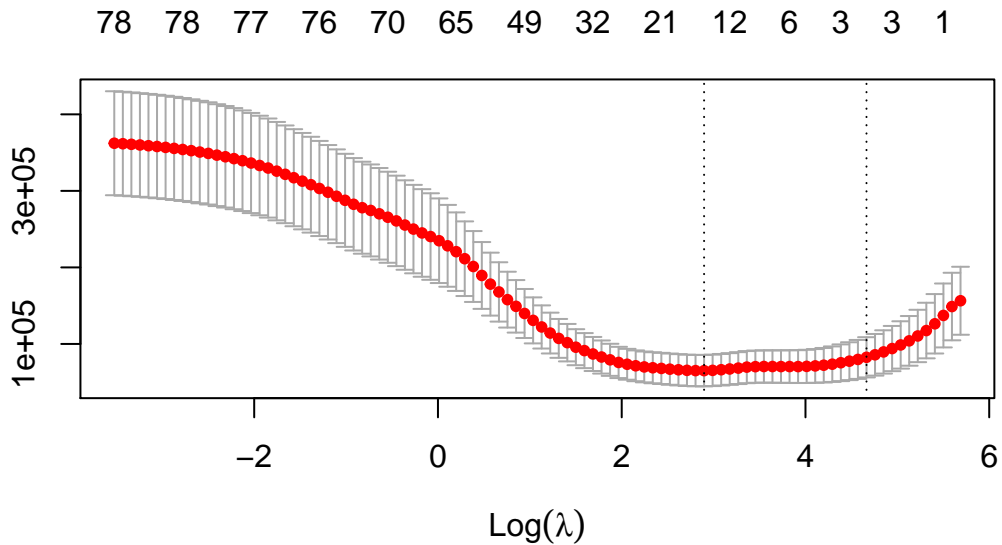
Out-of-sample forecasts



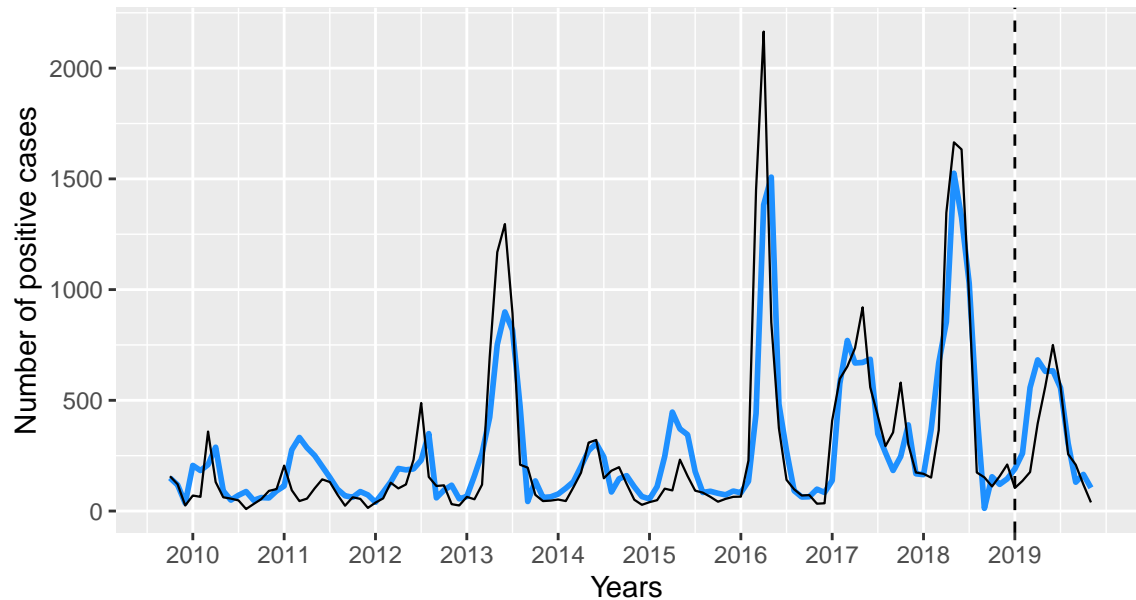
Coefficients



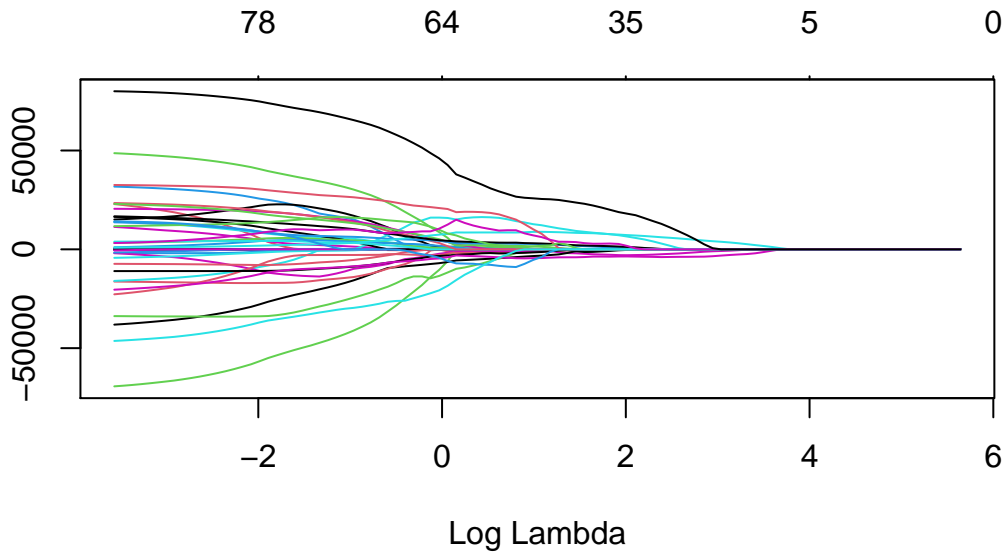
Mean-Squared Error



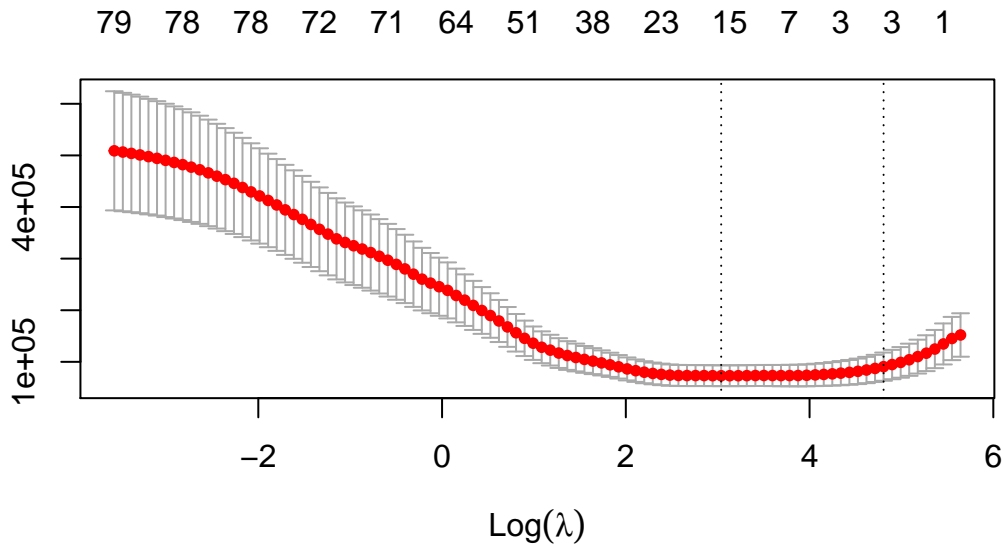
Predicted values (LASSO CV)



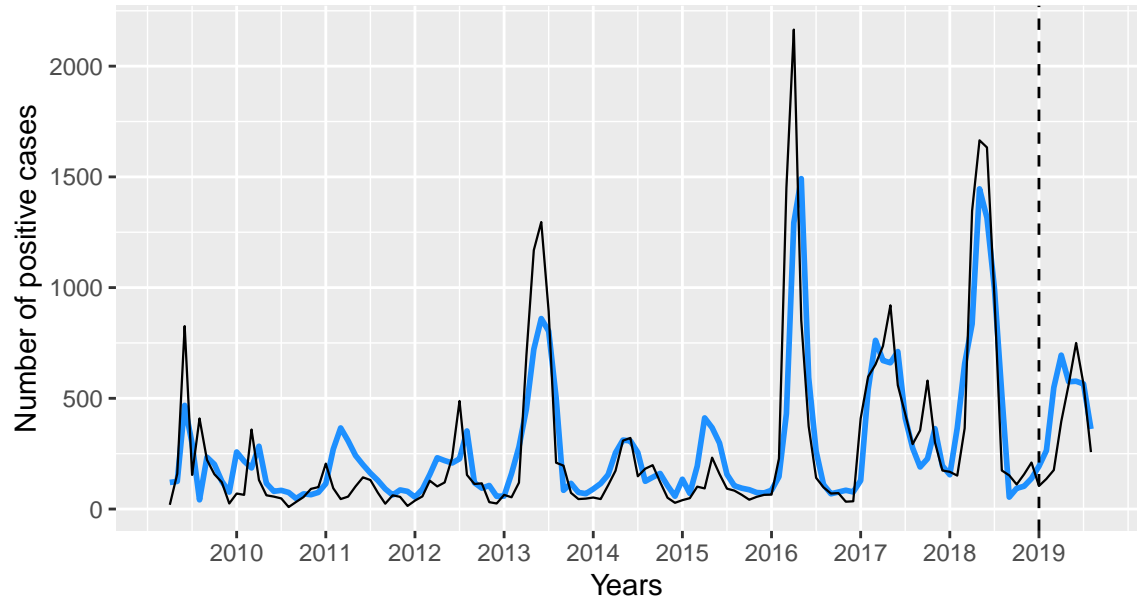
Coefficients

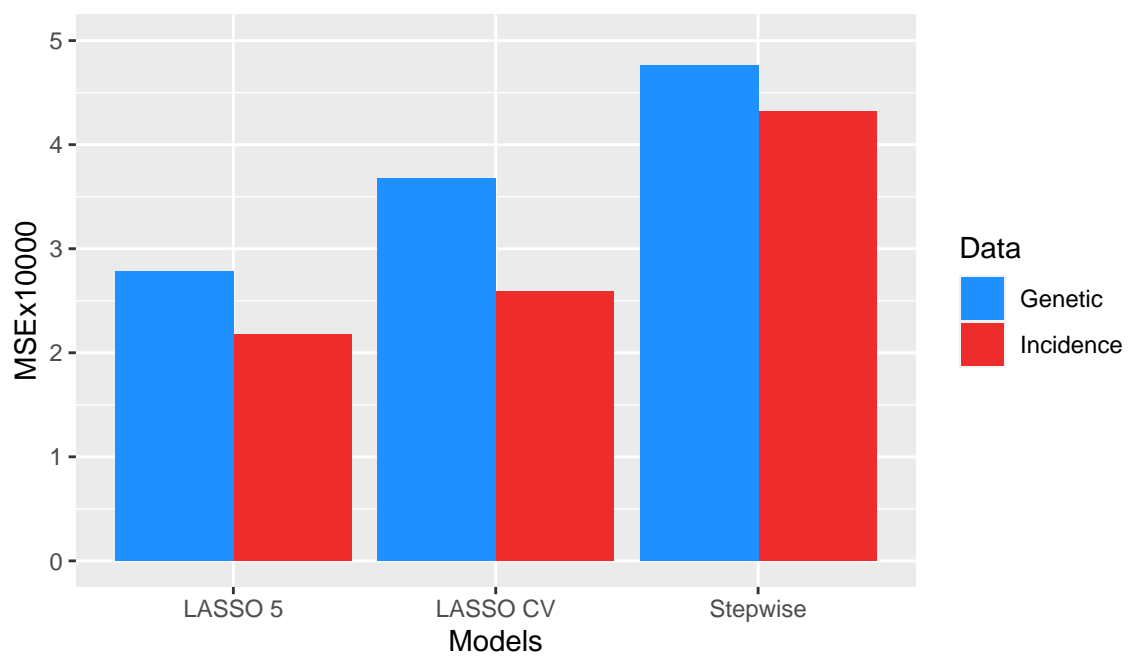


Mean-Squared Error

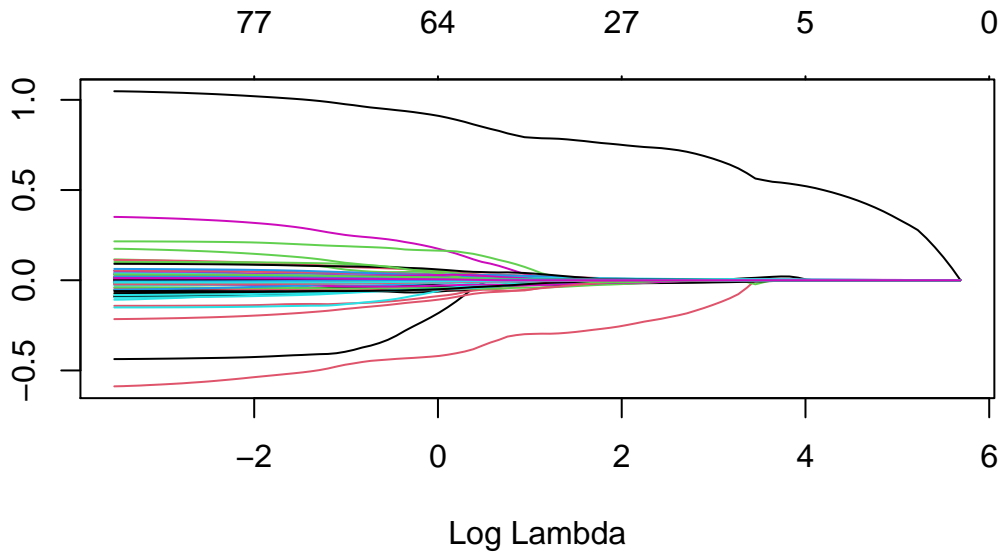


Predicted values (LASSO CV)

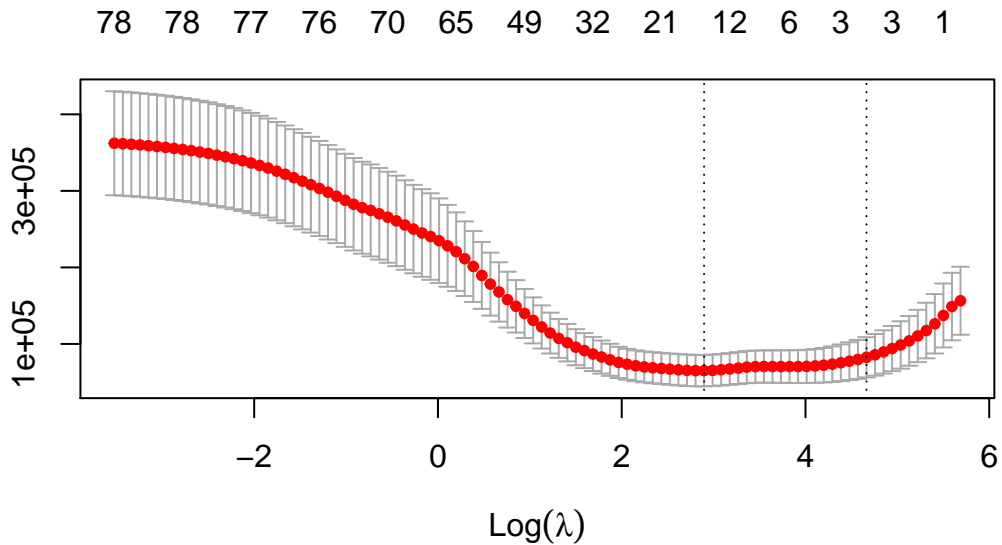


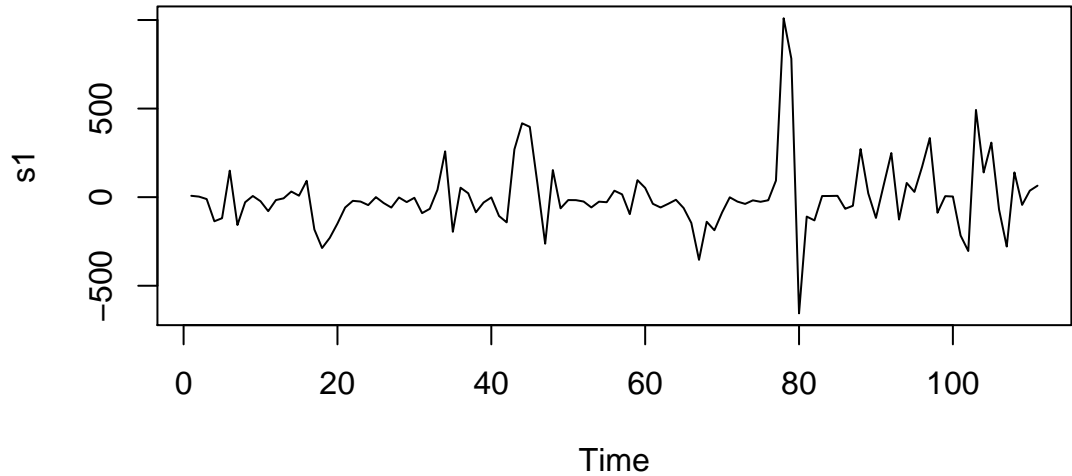


Coefficients

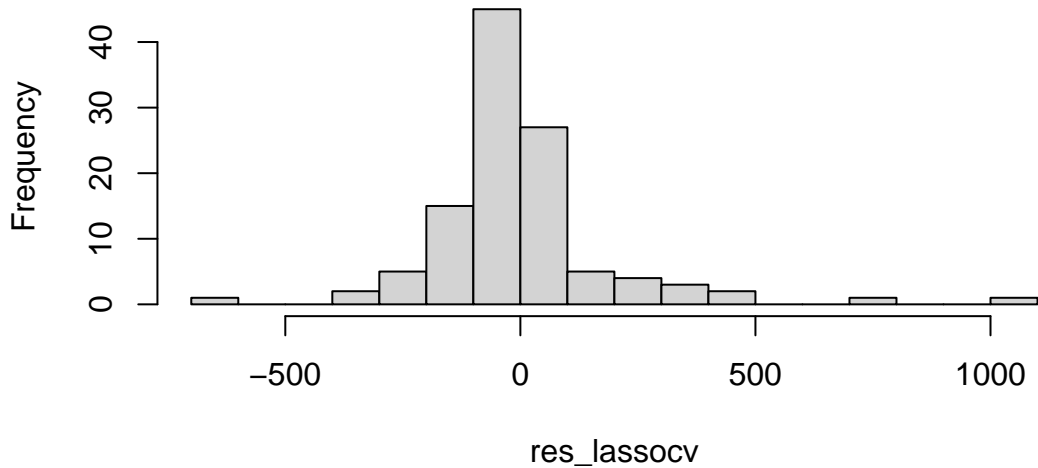


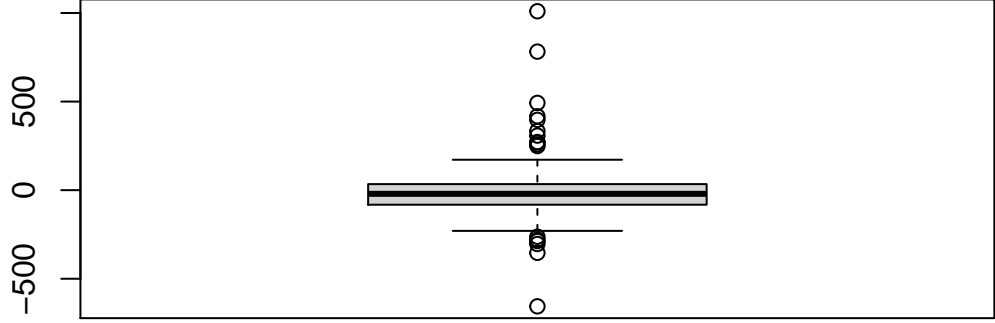
Mean-Squared Error



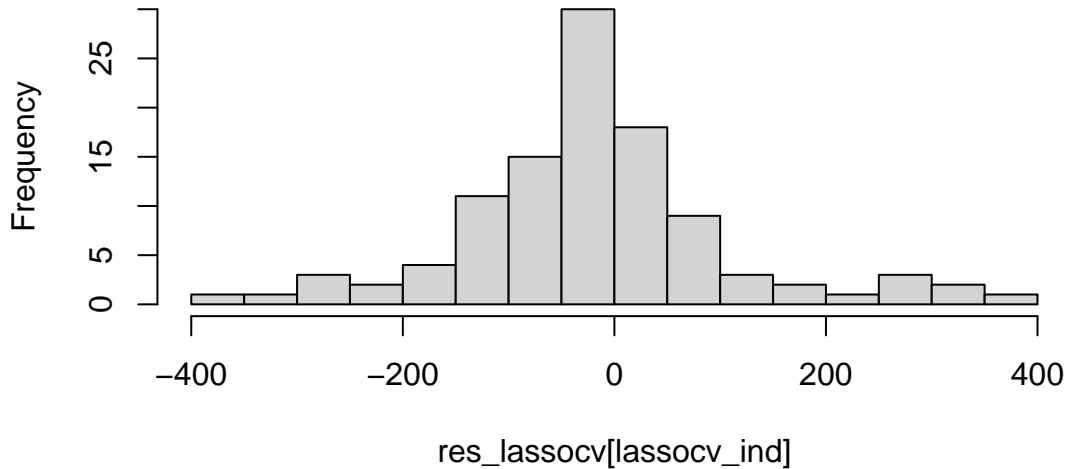


Histogram of res_lassocv

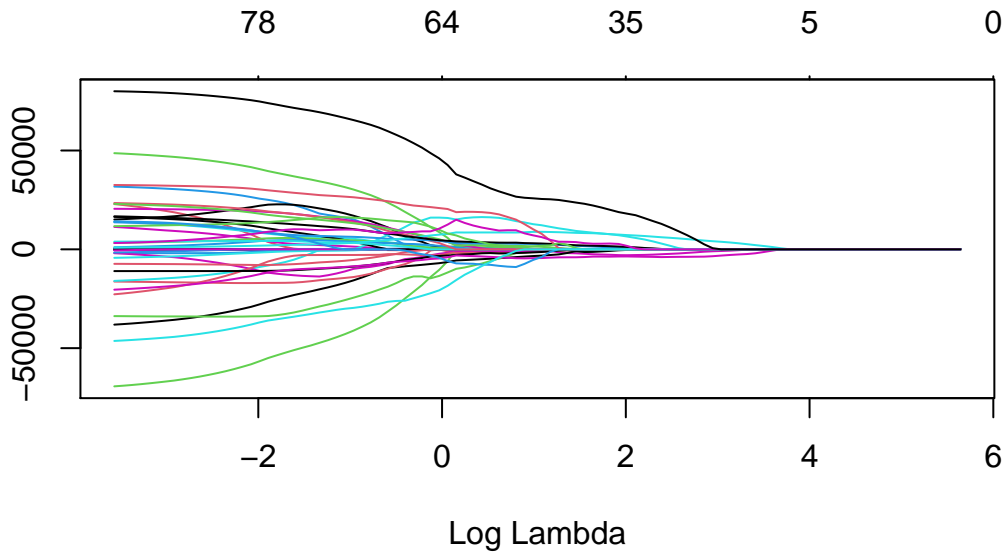




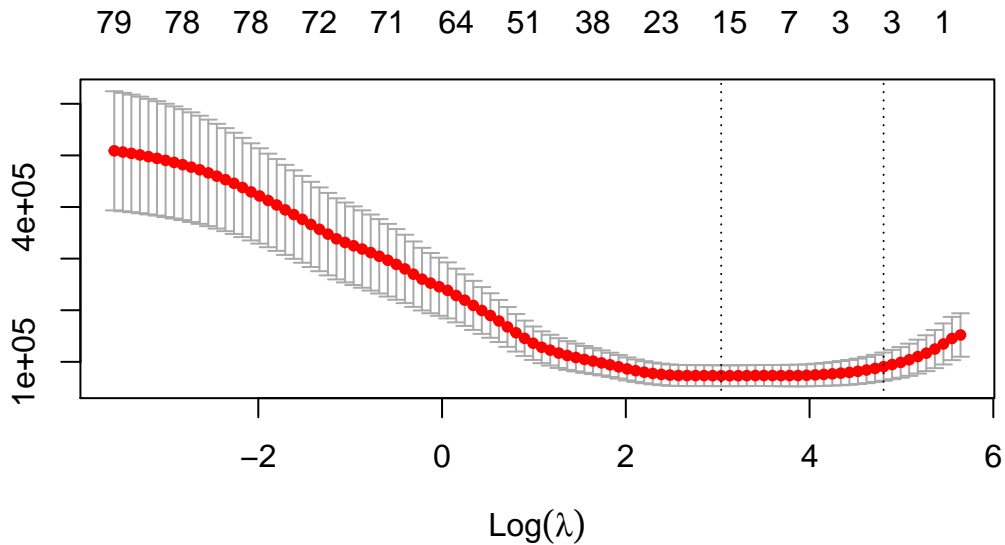
Histogram of res_lassocv[lassocv_ind]



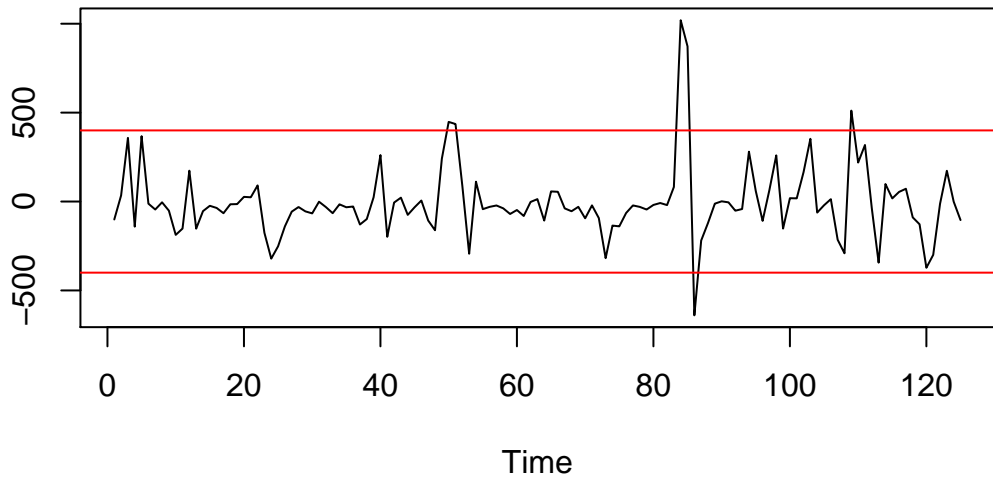
Coefficients



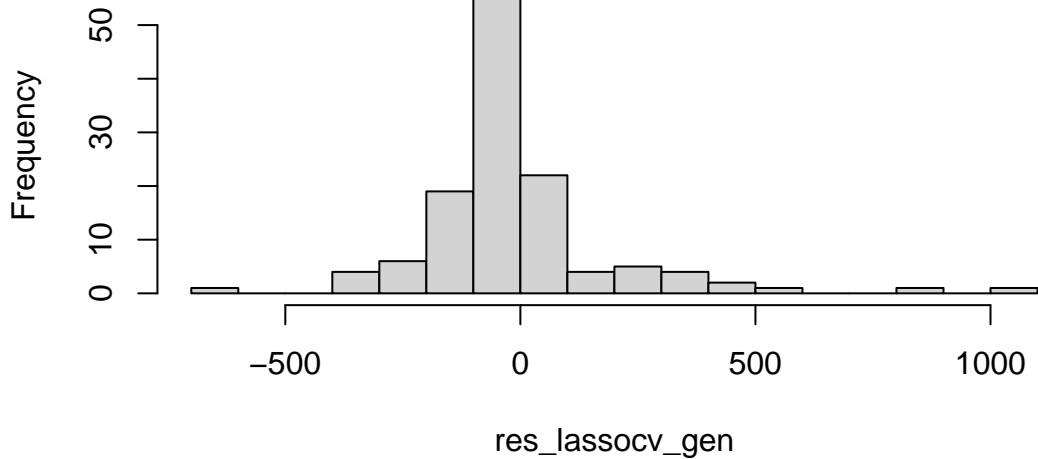
Mean-Squared Error

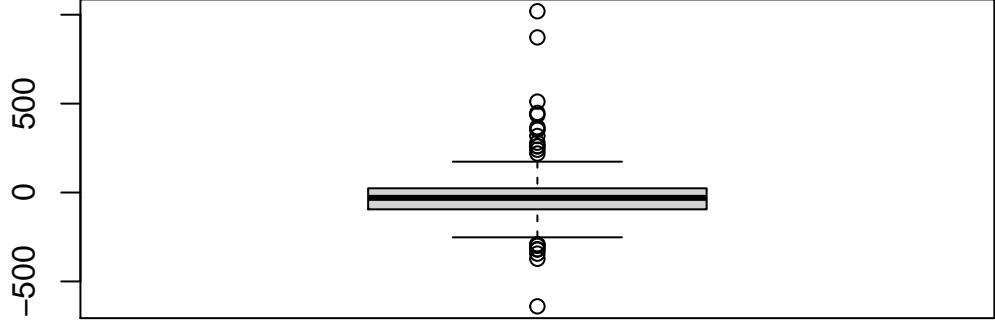


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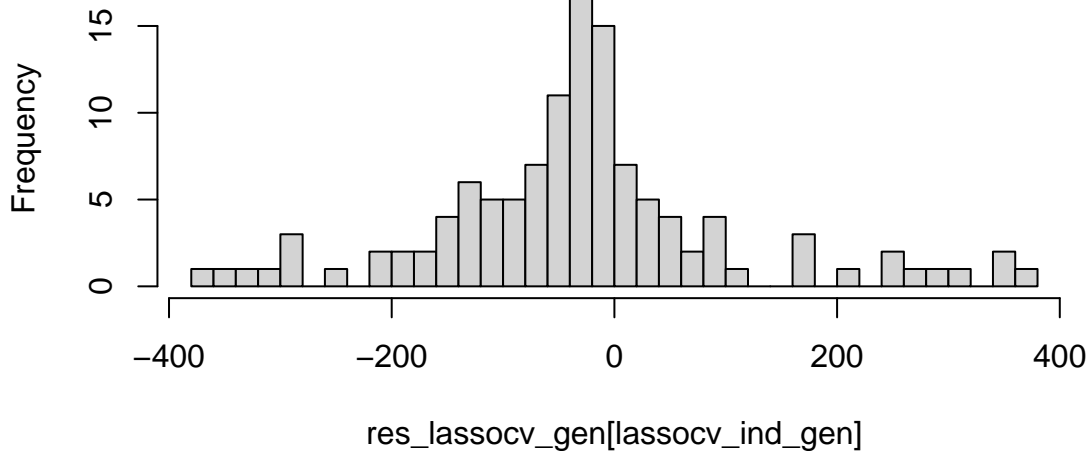


Histogram of res_lassocv_gen

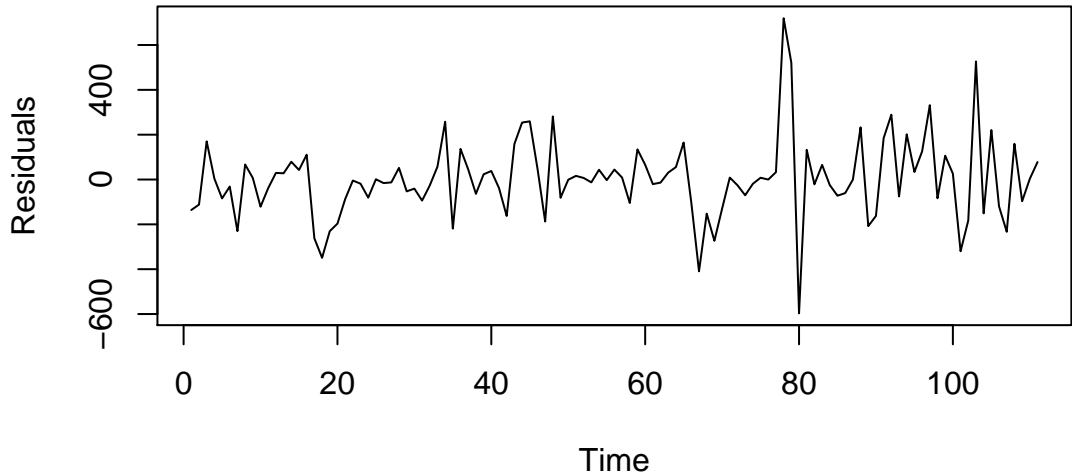




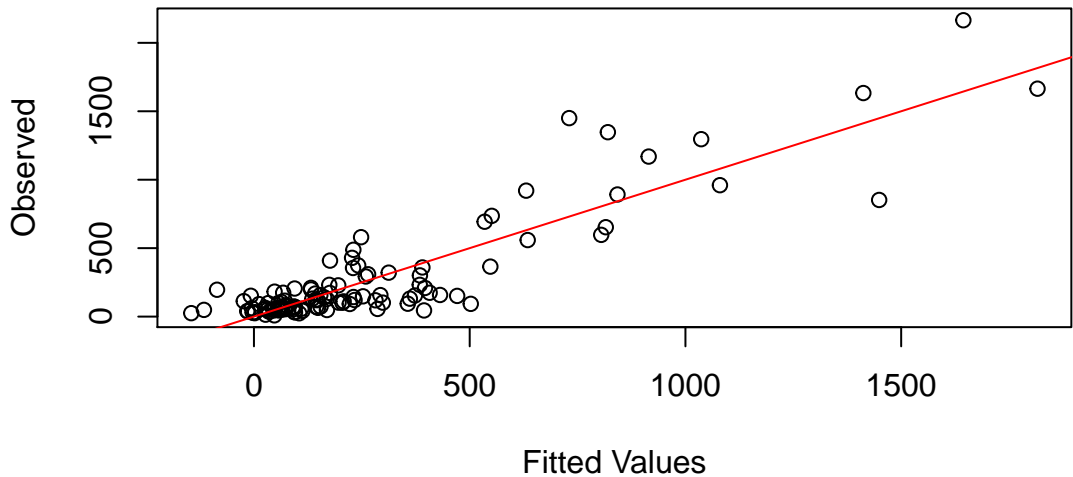
Histogram of res_lassocv_gen[lassocv_ind_gen]



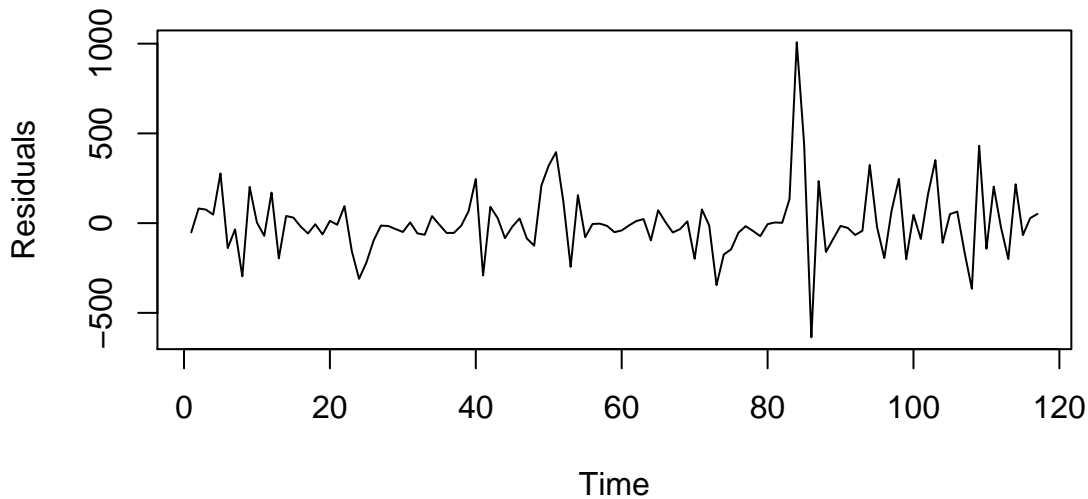
Incidence



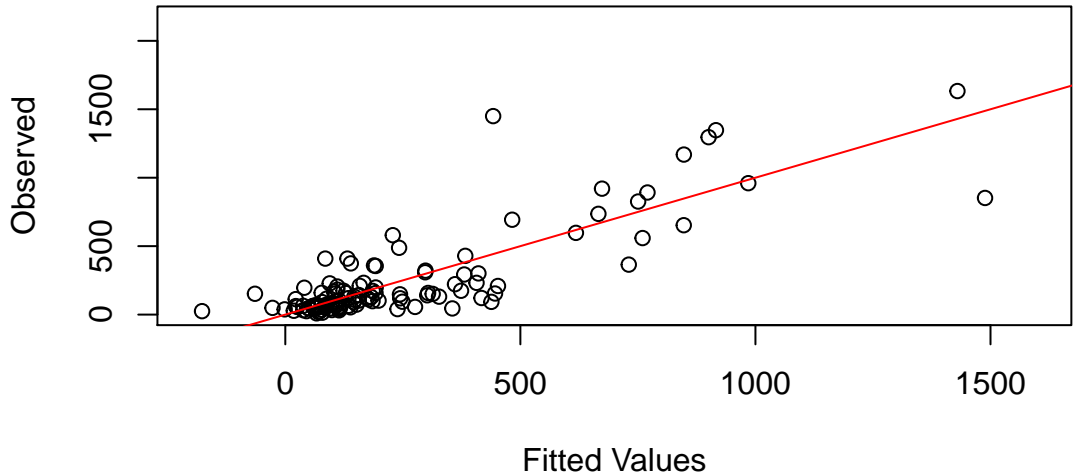
Incidence

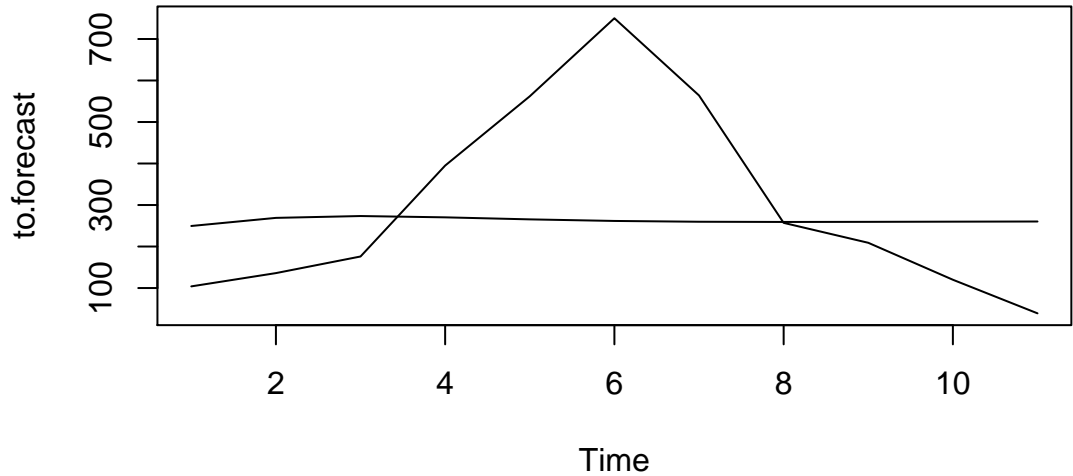


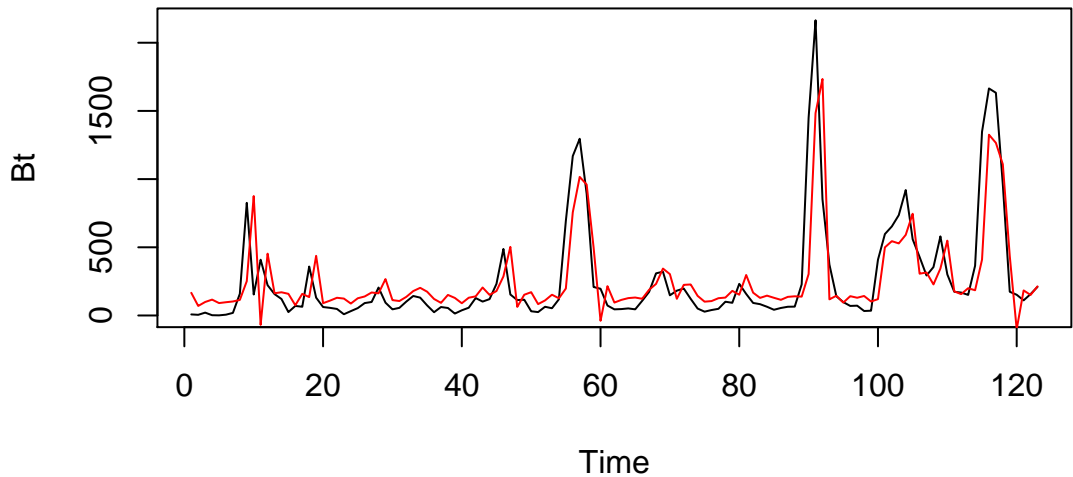
Genetic



Genetic







Out-of-sample forecasts for the AR(2) model

