Covid Plots

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1 Introduction

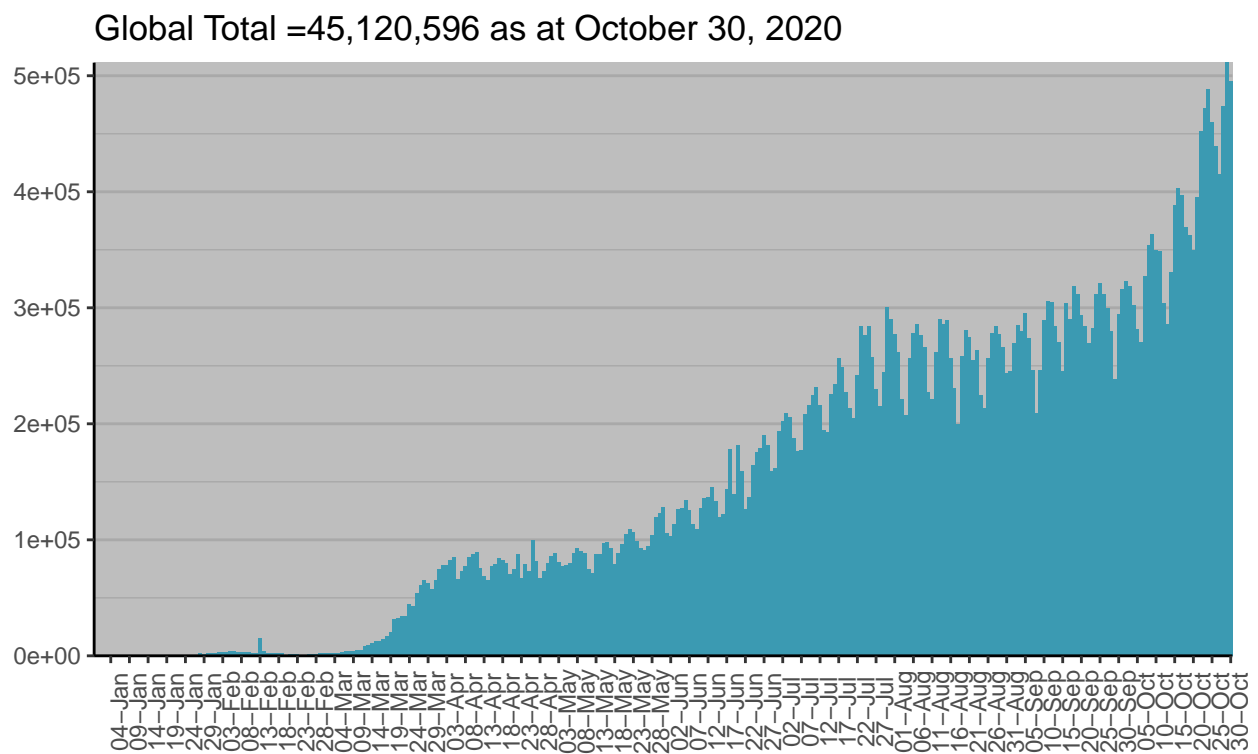Global Total =45,120,596 as at October 30, 2020

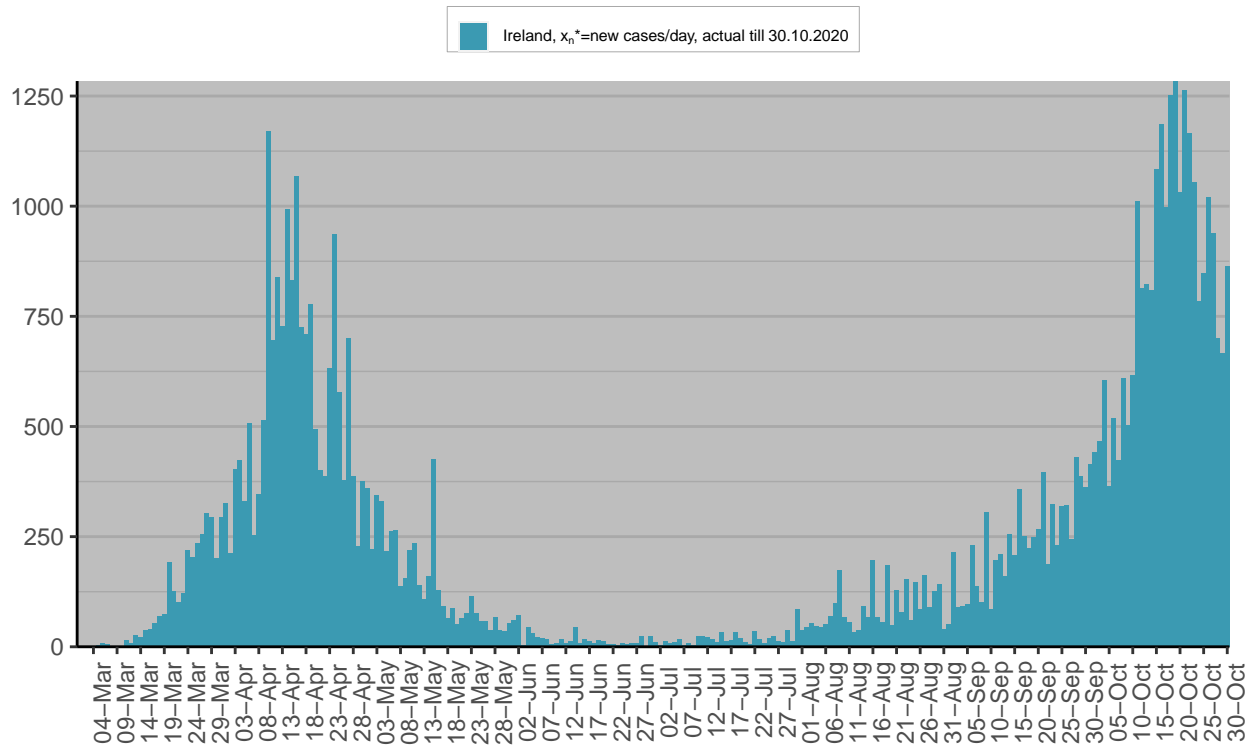Figure 1: Daily cases Globally to date

Figure 2: *x*-diagram for Ireland: the numbers of actually registered daily cases
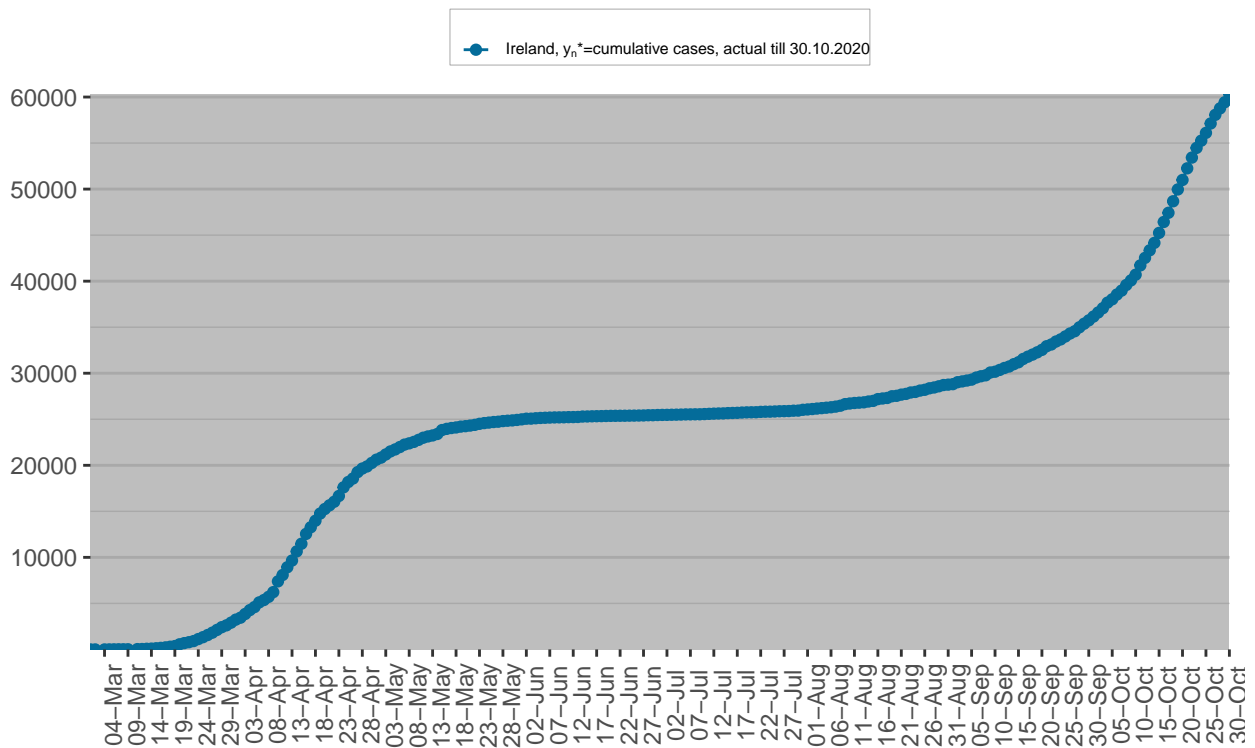

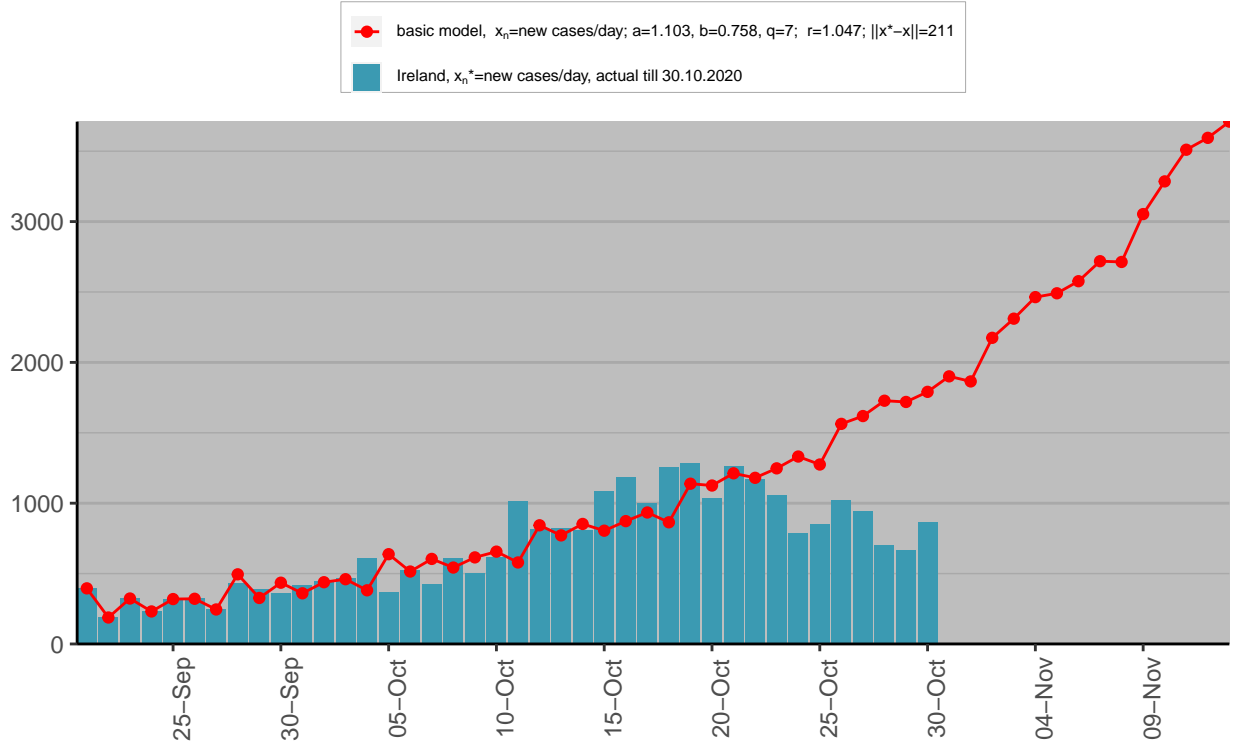Figure 3: *x*-diagram for Ireland: the numbers of actually registered daily cases

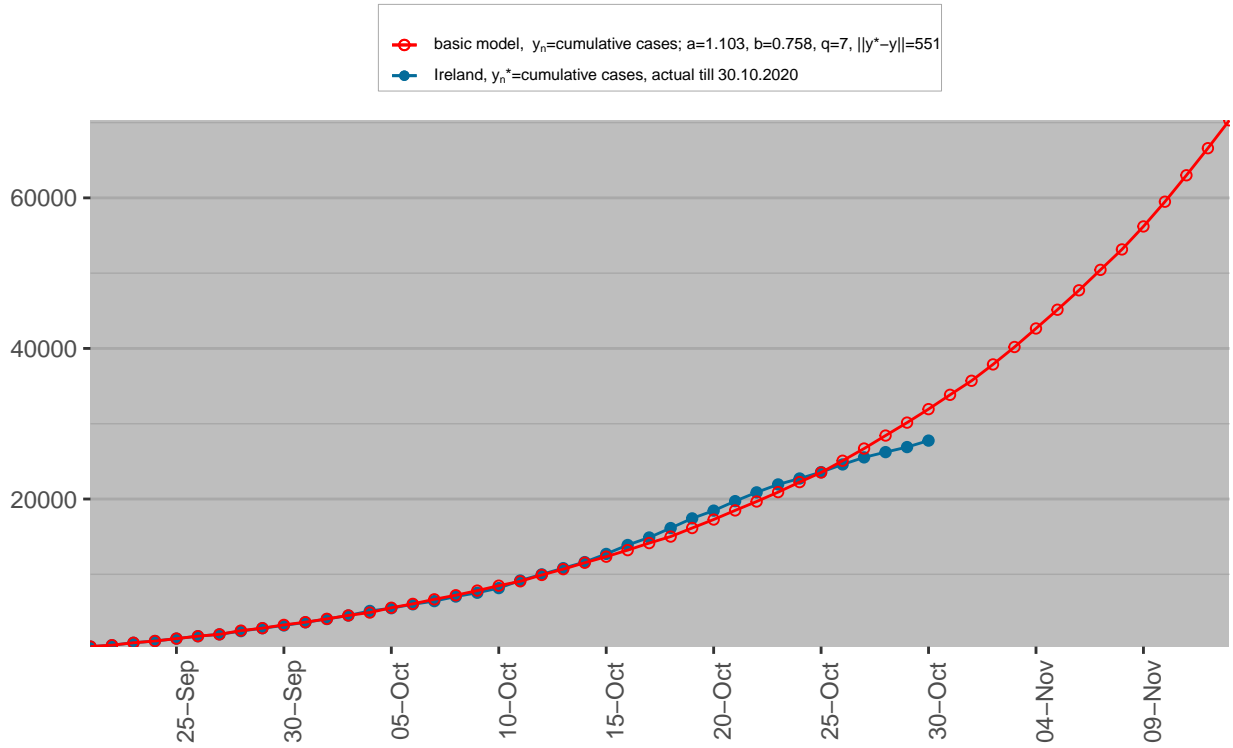Figure 4: Comparison of the basic model with the actual data, Ireland (x-diagram)

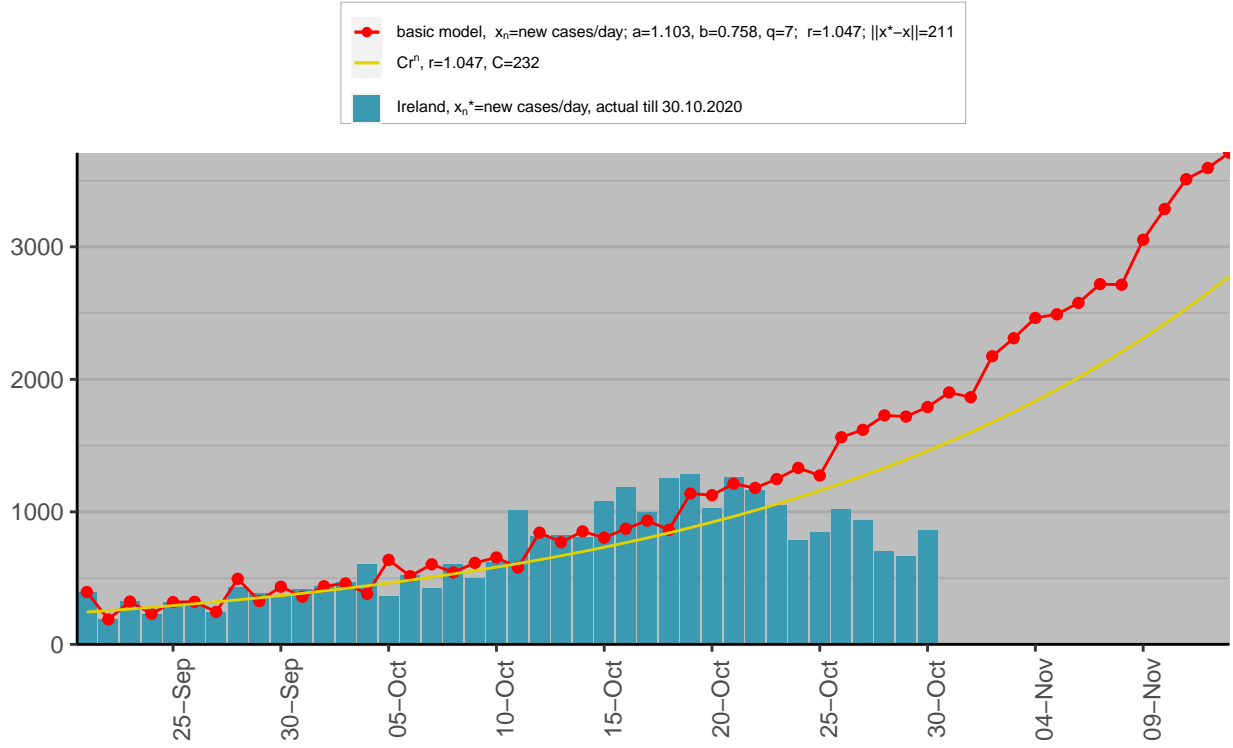Figure 5: Comparison of the basic model with the actual data, Ireland (x-diagram)

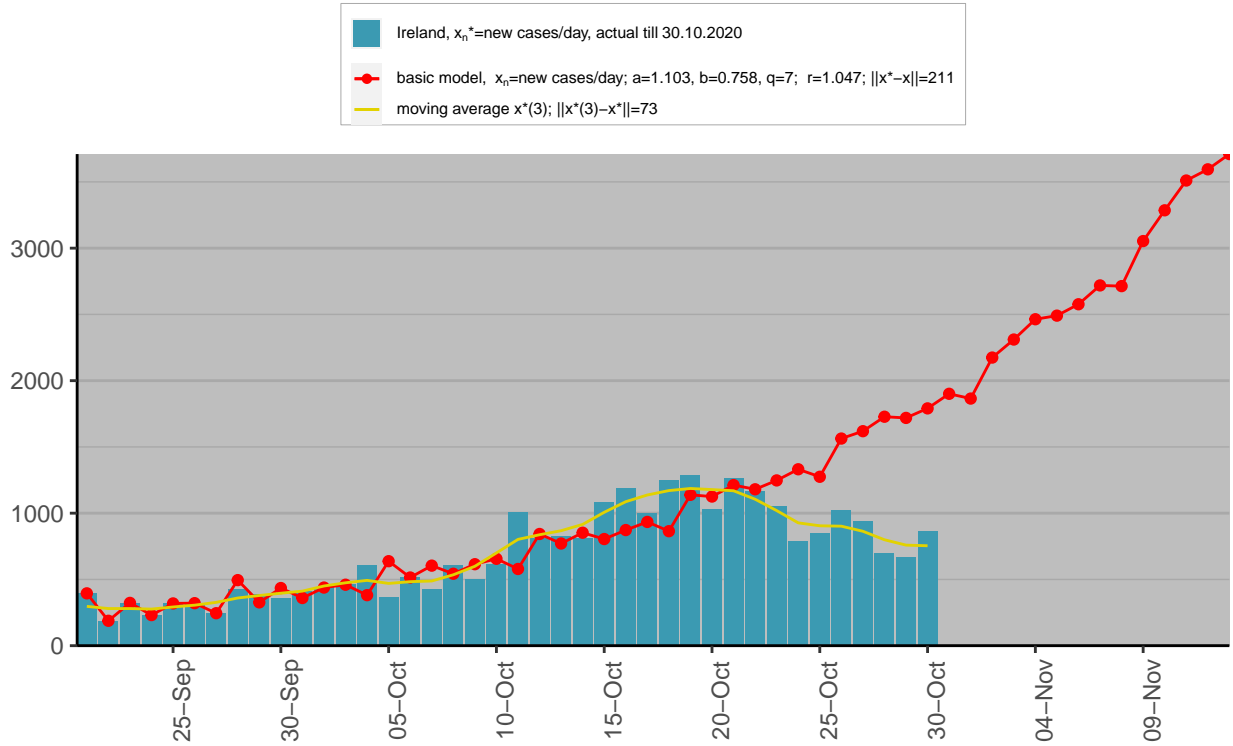Figure 6: Comparison of x_n^*, x_n and Cr^n, Ireland

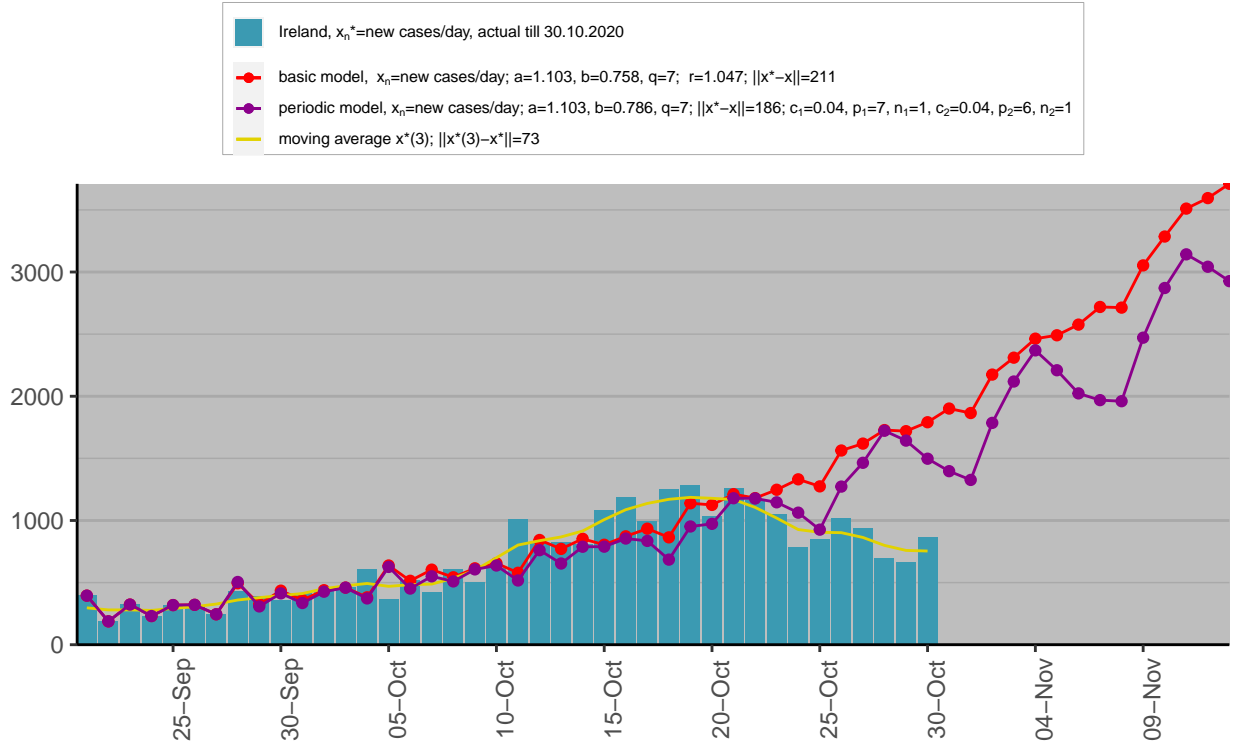Figure 7: Comparison of basic model with moving averages, Ireland

Figure 8: Comparison of basic and periodic models with moving averages, Ireland
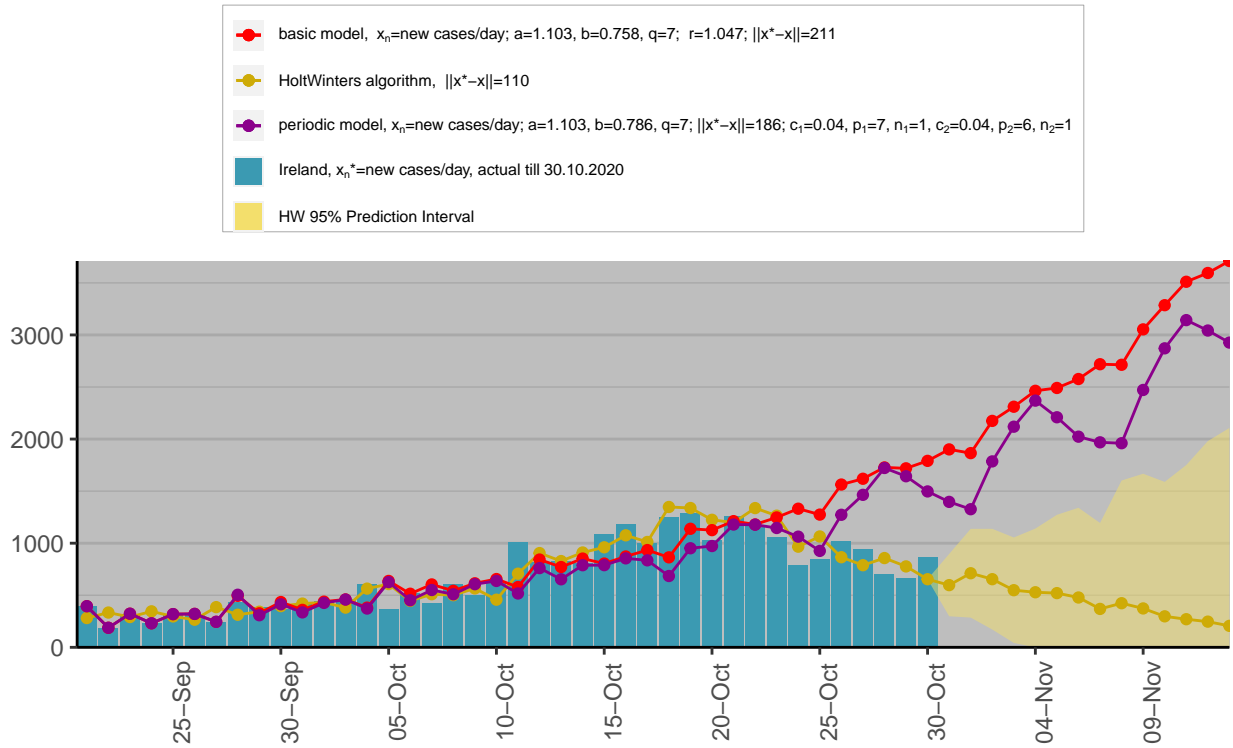

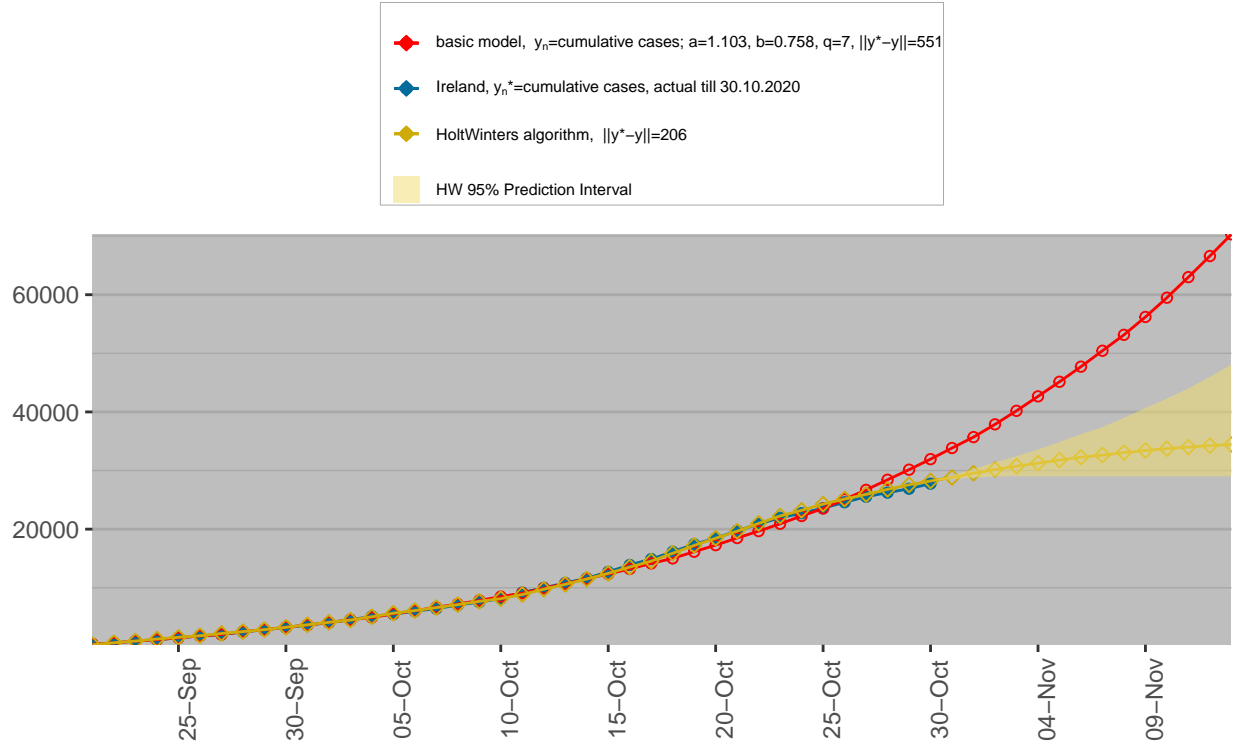Figure 9: Comparison of basic and periodic models with HoltWinters model, Ireland

Figure 10: Comparison of Cumulative basic and periodic models with HoltWinters Prediction, Ireland
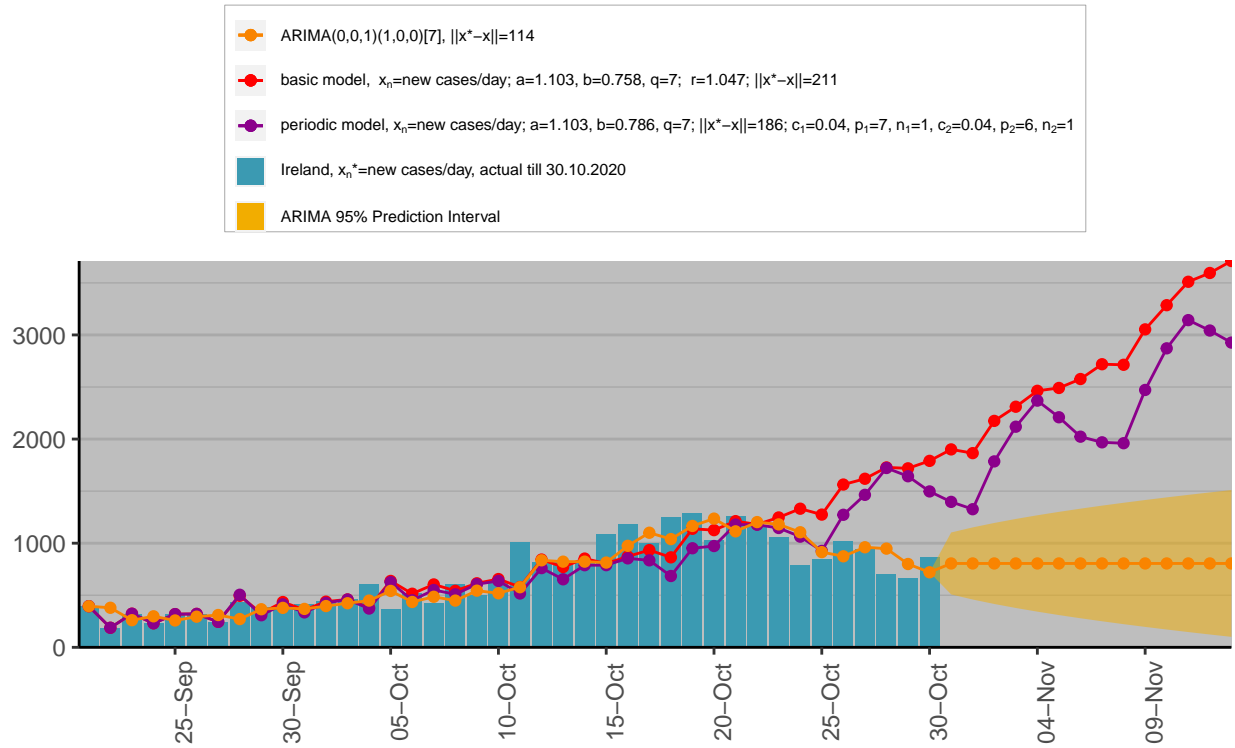

Figure 11: Comparison of basic and periodic models with ARIMA model, Ireland
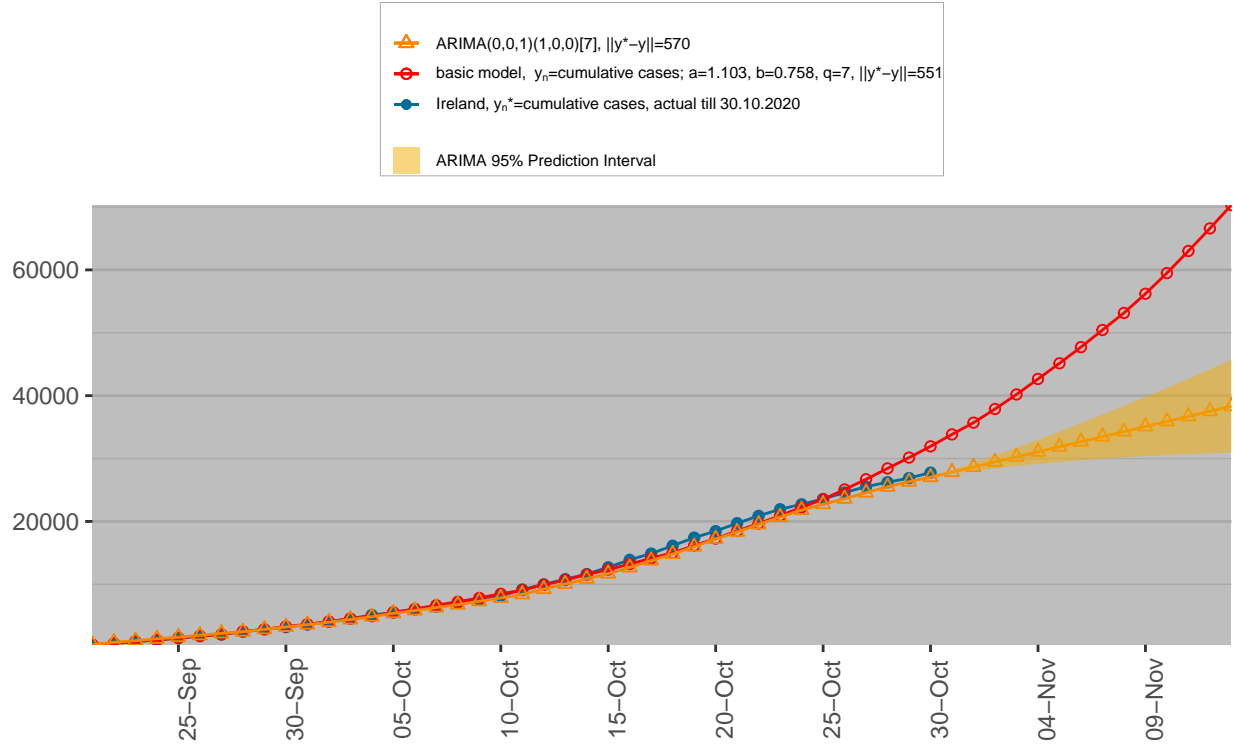
Figure 12: Comparison of Cumulative basic and periodic models with ARIMA model, Ireland
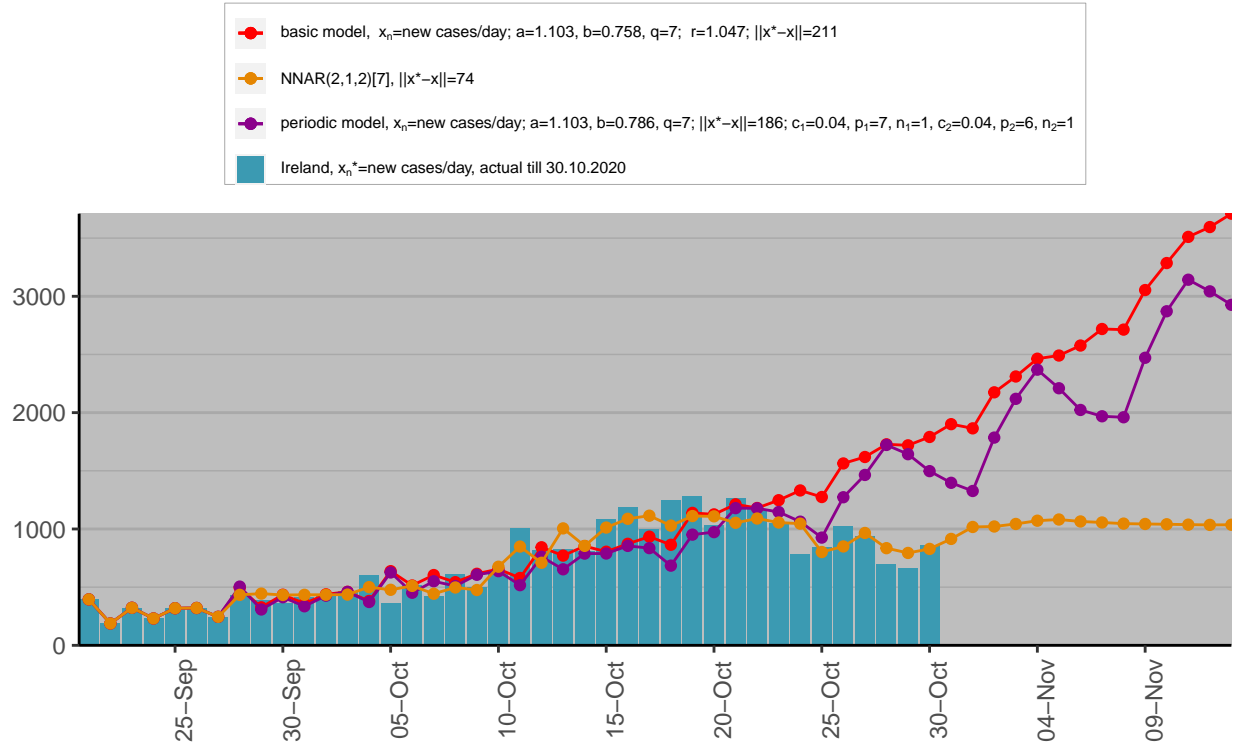

Figure 13: Comparison of basic and periodic models with Neural Network model, Ireland
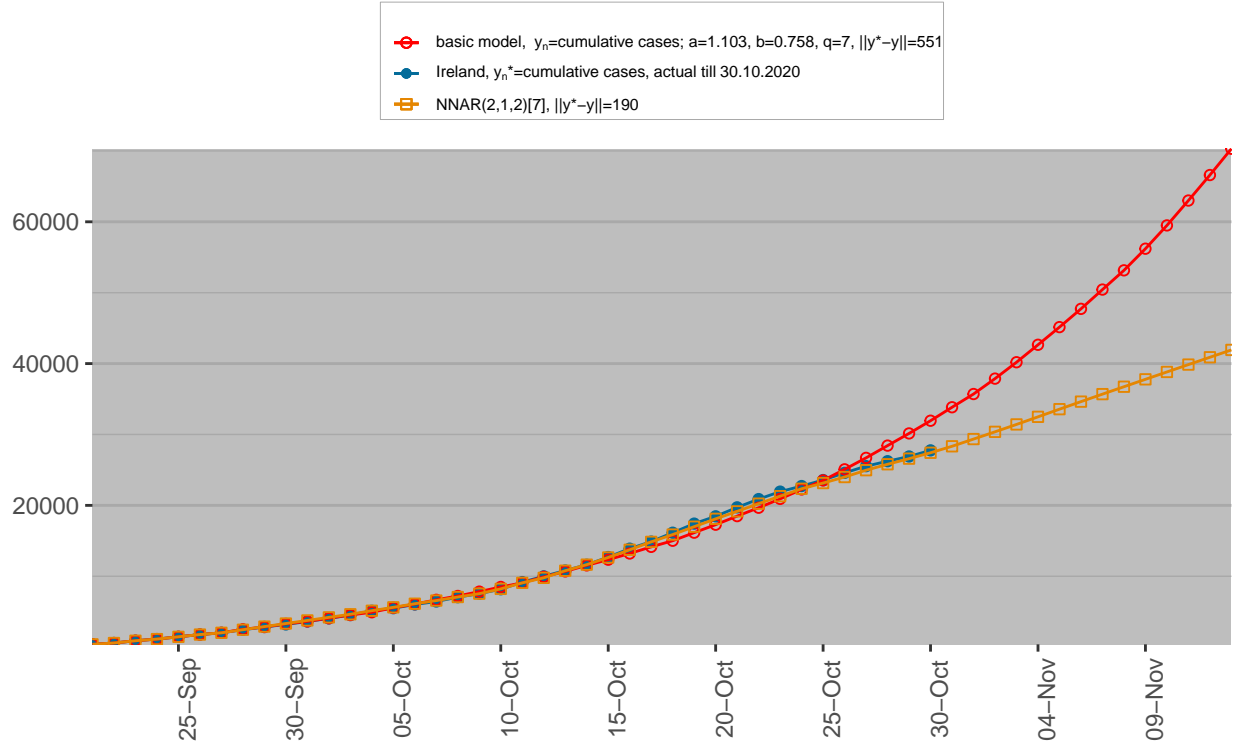
Figure 14: Comparison of Cumulative basic and periodic models with Neural Network model, Ireland
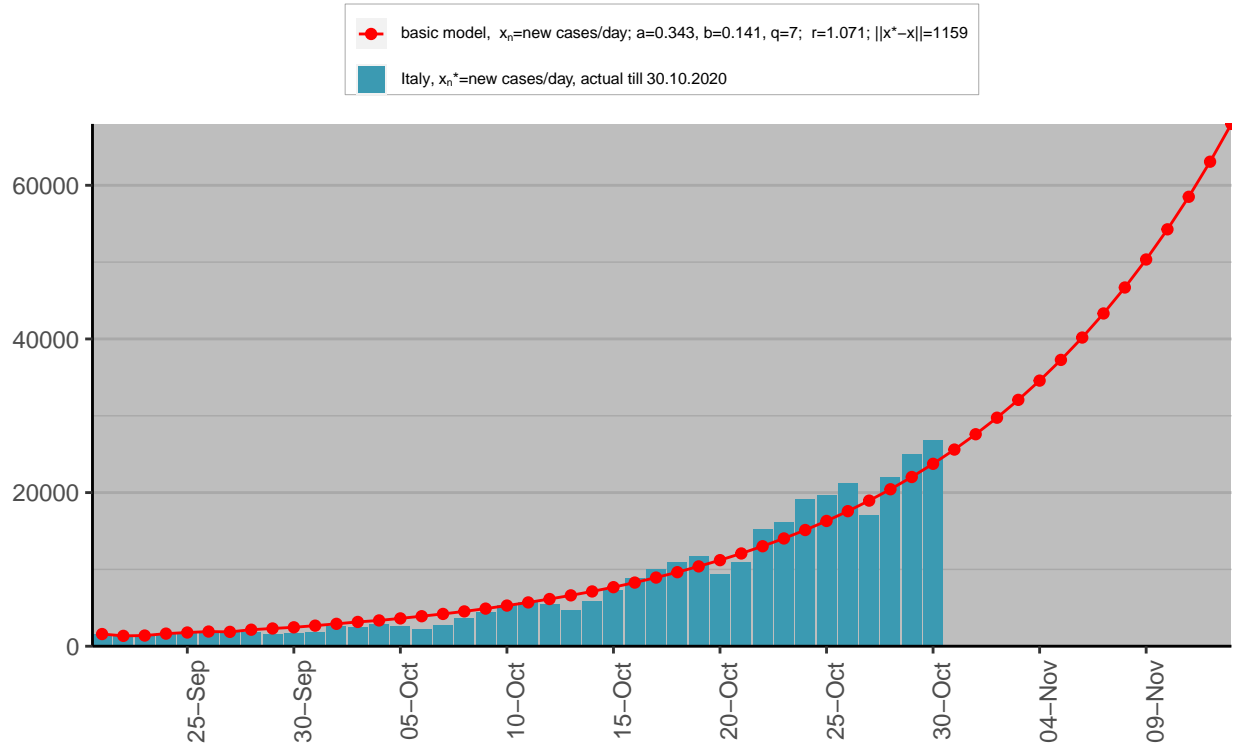

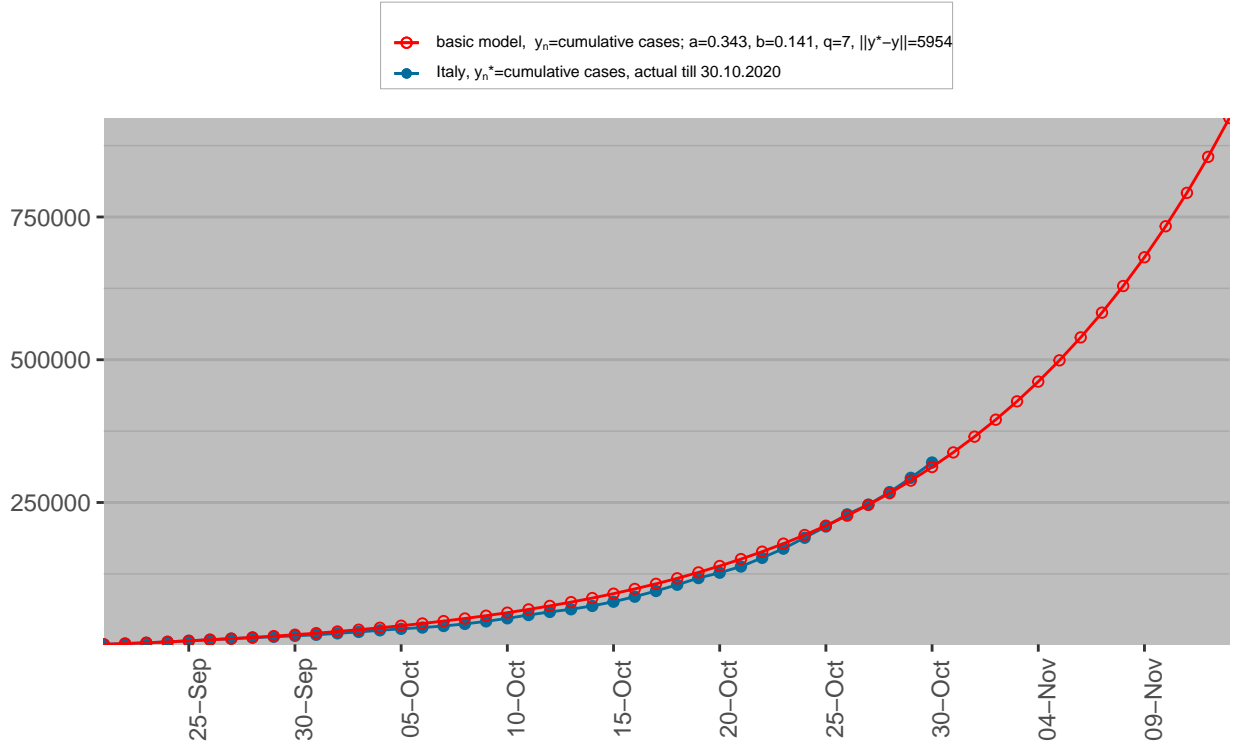Figure 15: Comparison of the basic model with the actual data, Italy (x-diagram)

Figure 16: Comparison of the basic model with the actual data, Italy (x-diagram)
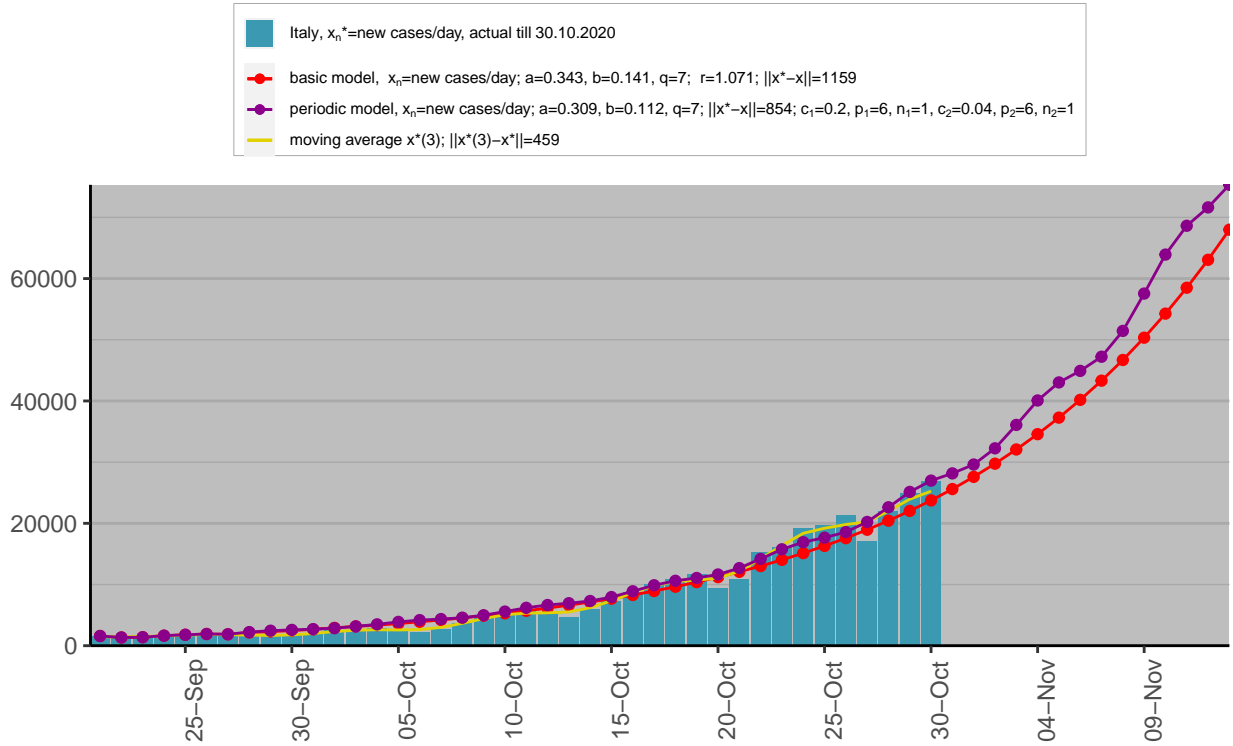

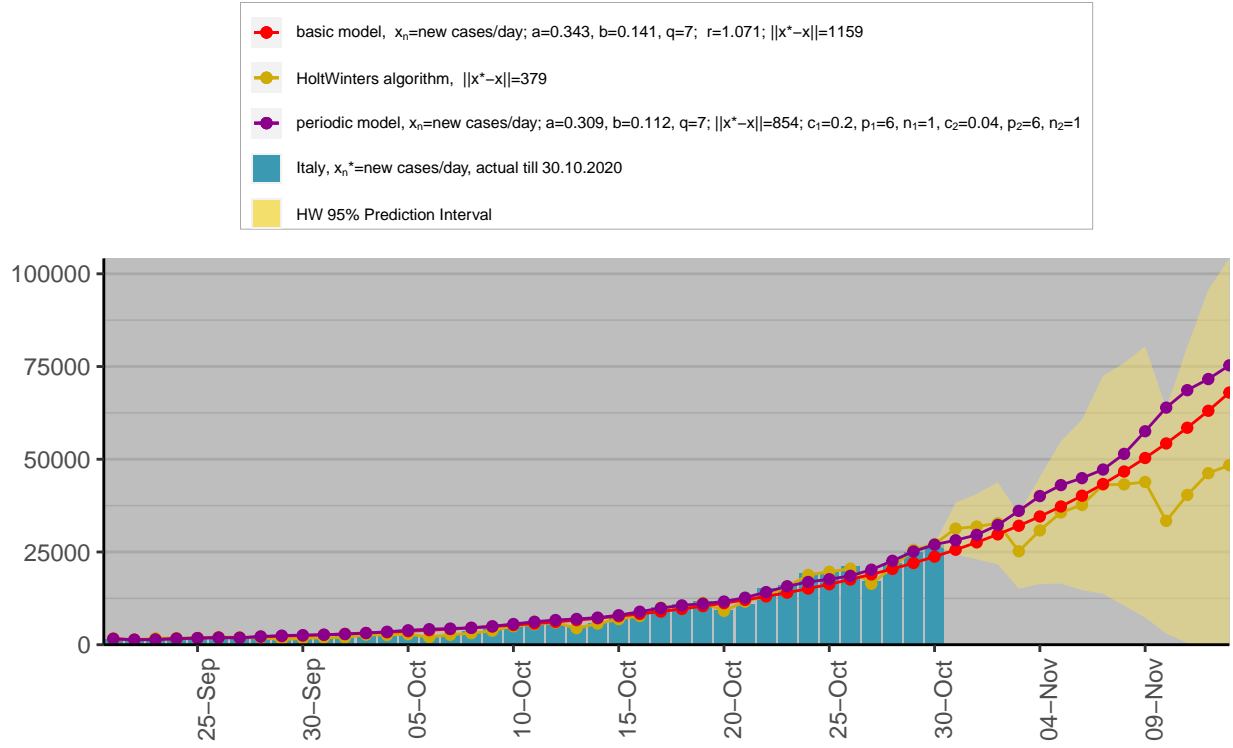Figure 17: Comparison of basic and periodic models with moving averages, Italy

Figure 18: Comparison of basic and periodic models with HoltWinters model, Italy
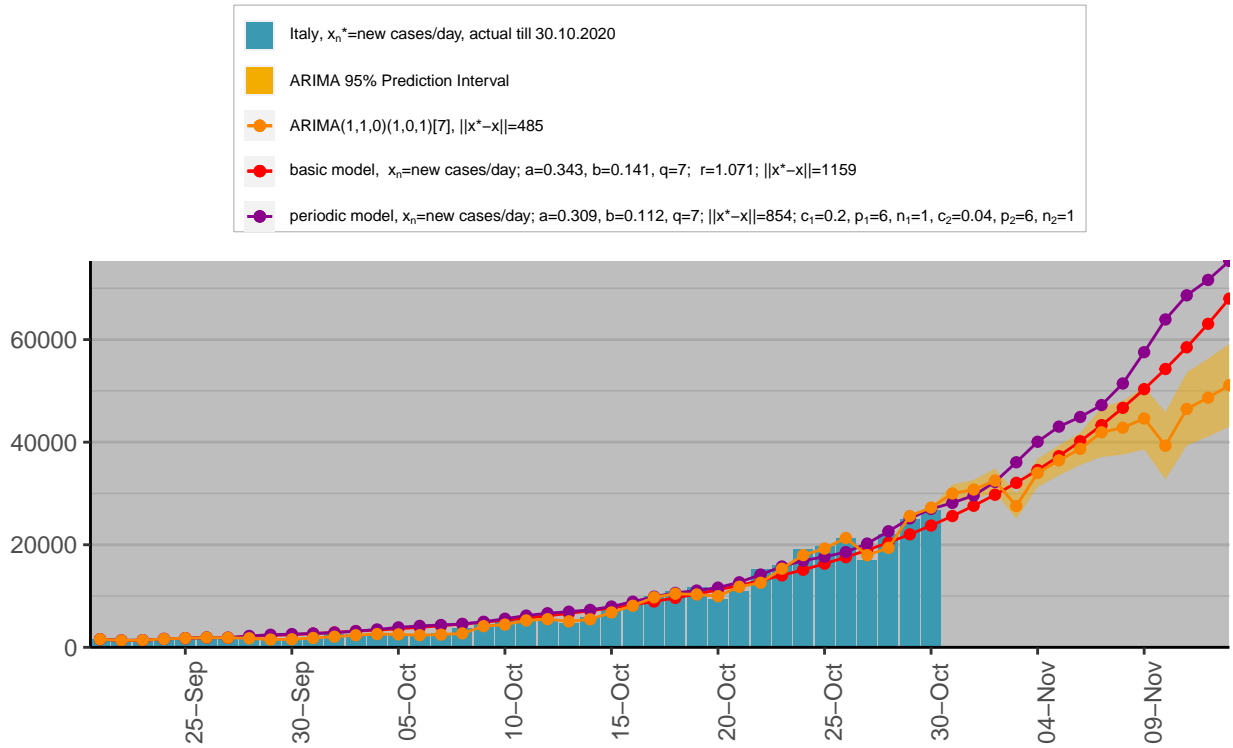

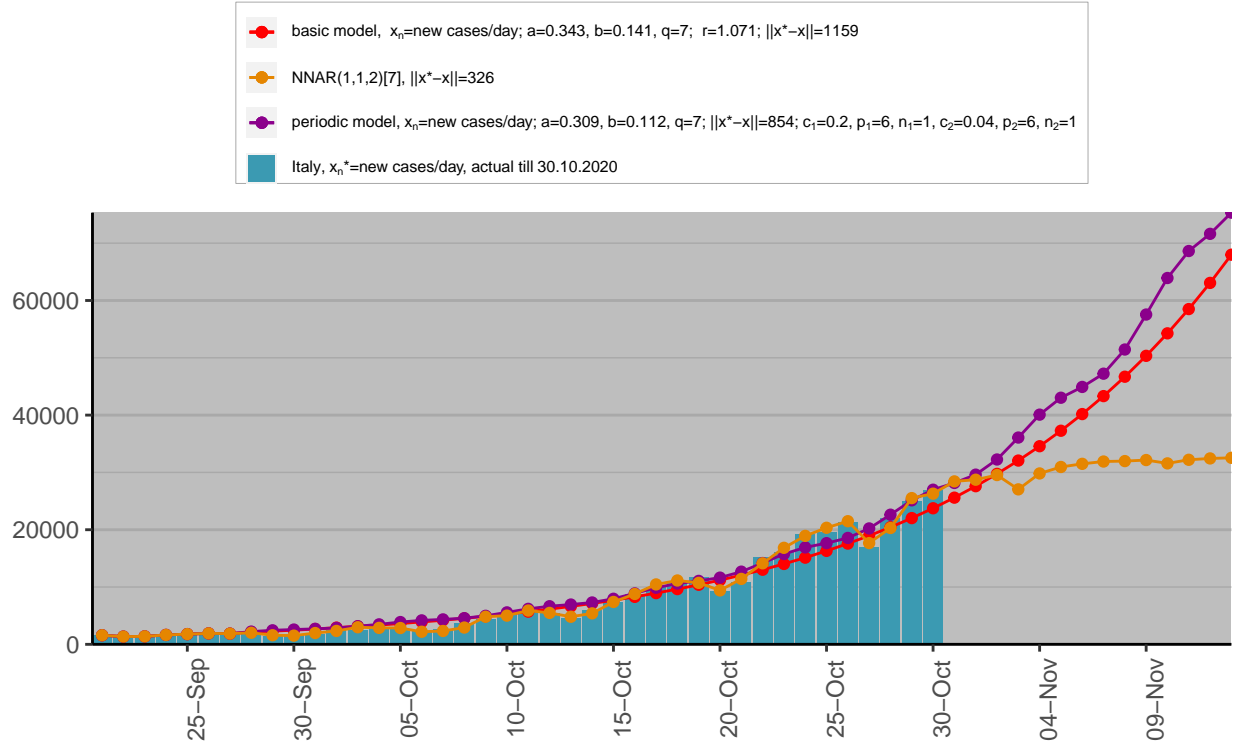Figure 19: Comparison of basic and periodic models with ARIMA model, Italy

Figure 20: Comparison of basic and periodic models with Neural Network model, Italy
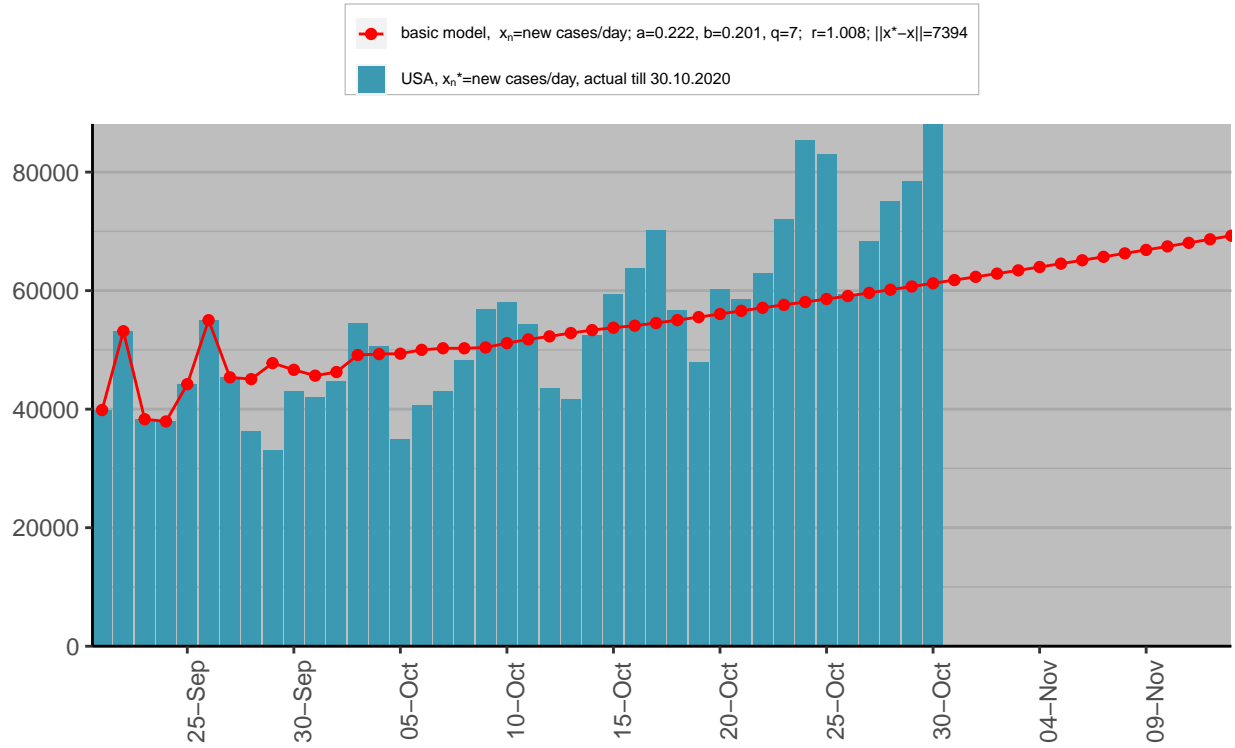

Figure 21: Comparison of the basic model with the actual data, USA (x-diagram)
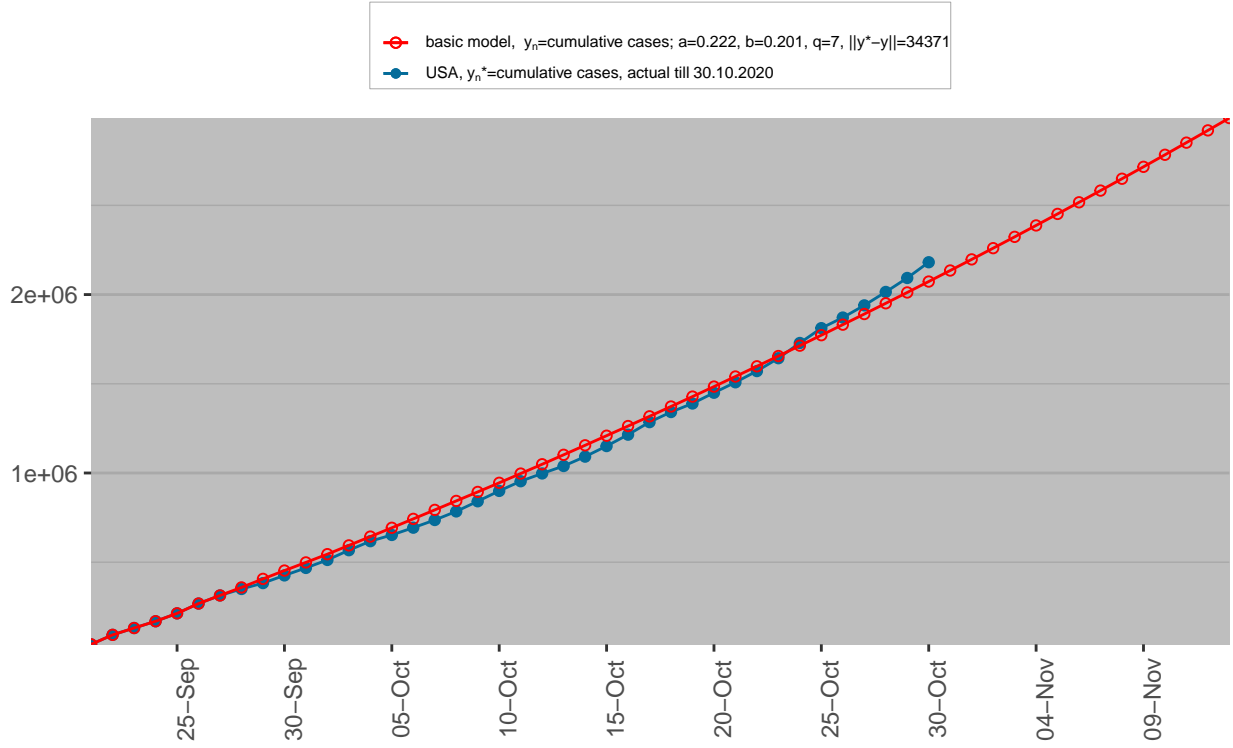
Figure 22: Comparison of the basic model with the actual data, USA (x-diagram)
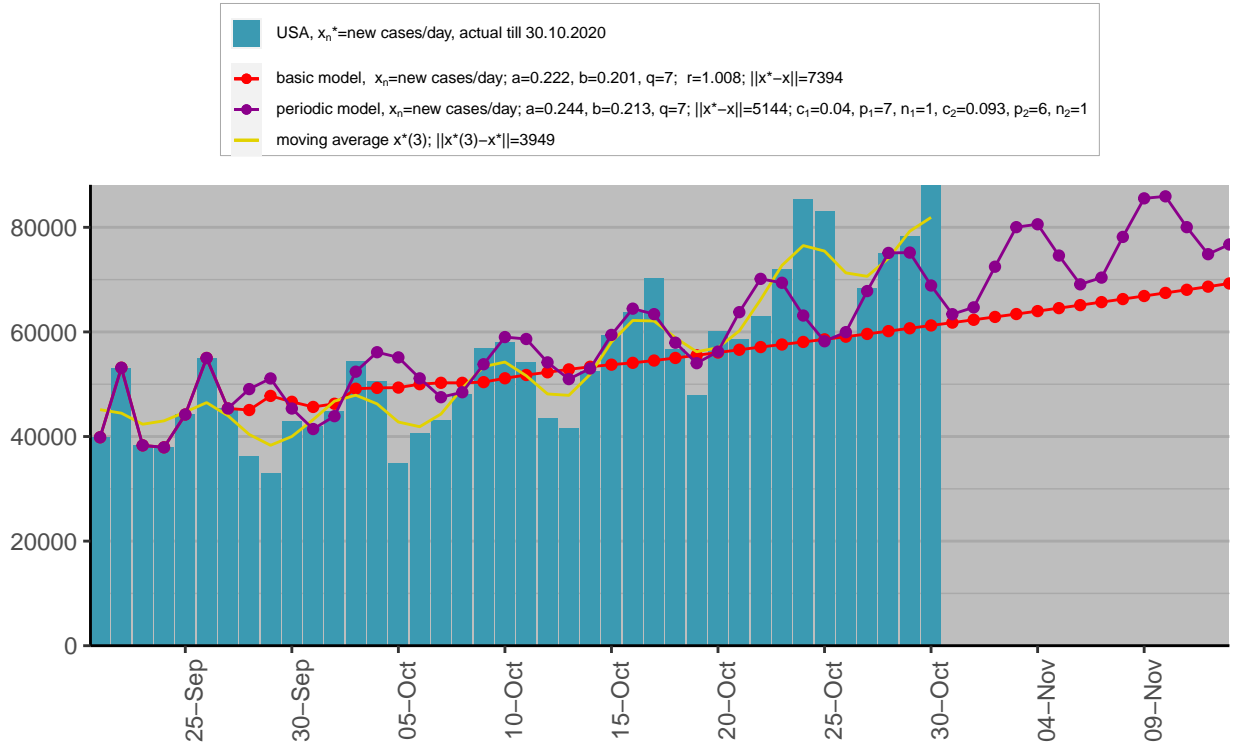

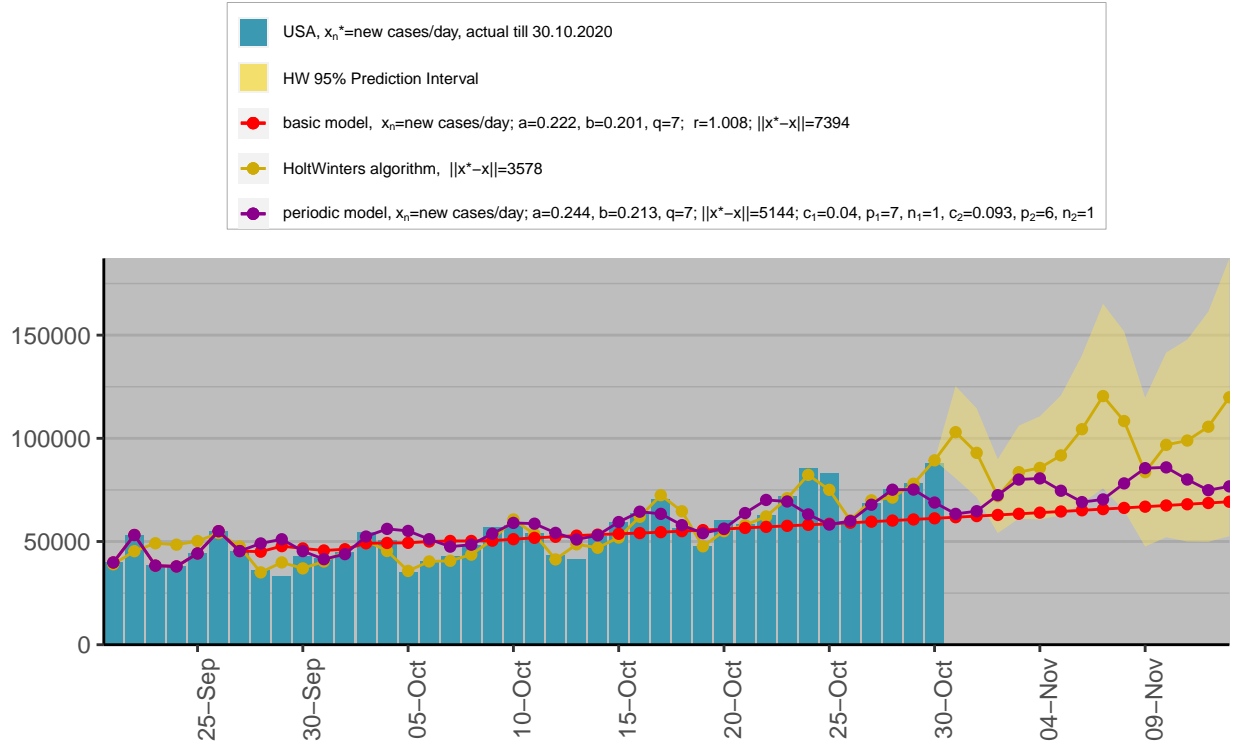Figure 23: Comparison of basic and periodic models with moving averages, USA

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Figure 24: Comparison of basic and periodic models with HoltWinters model, USA
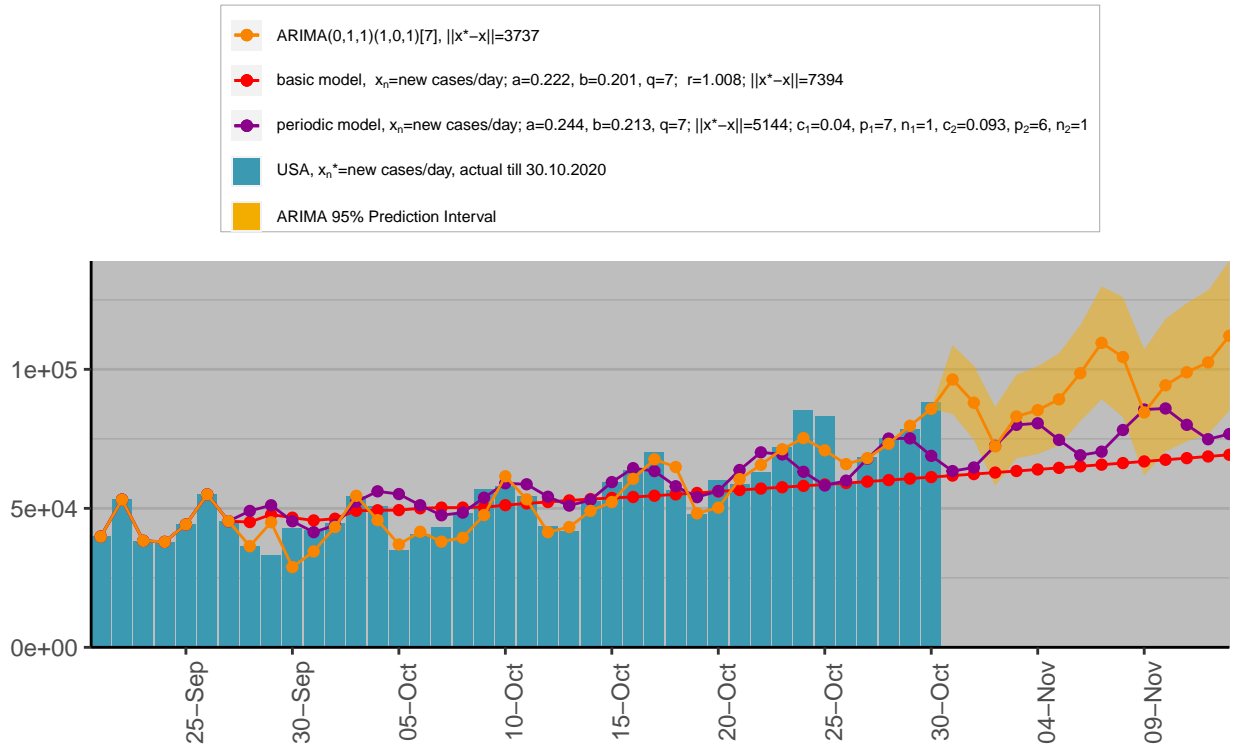

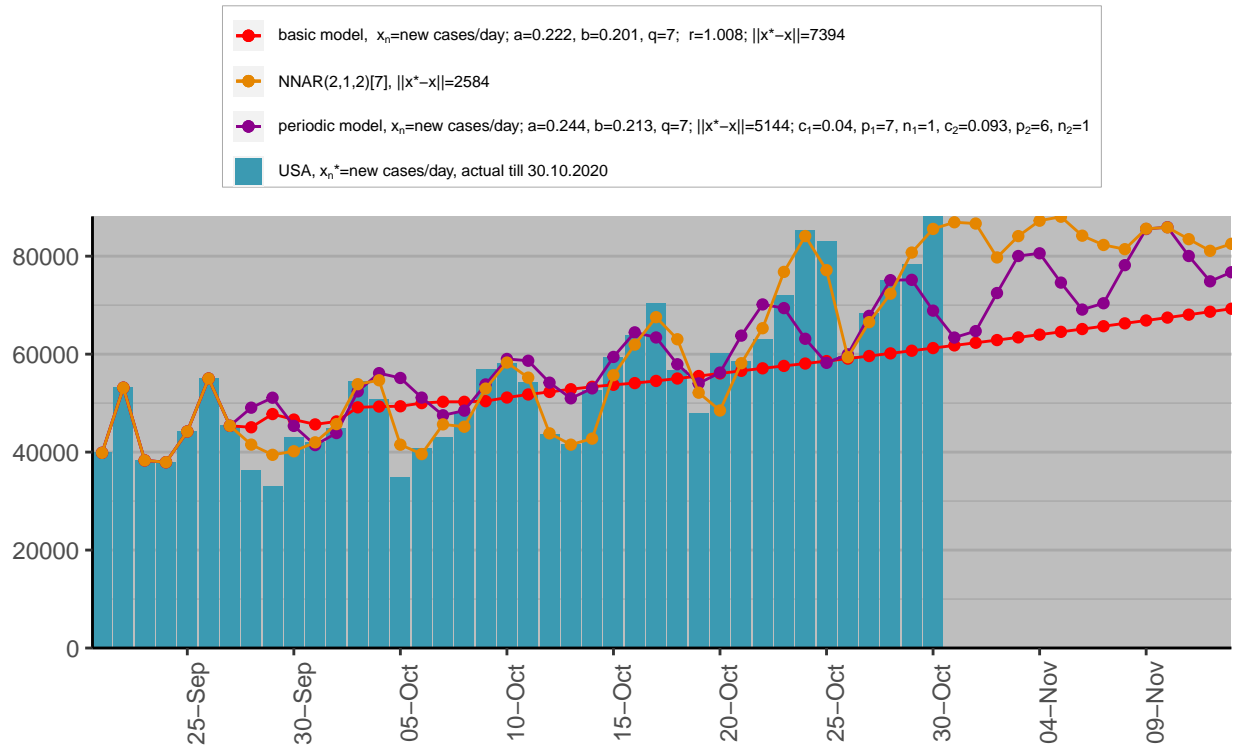Figure 25: Comparison of basic and periodic models with ARIMA model, USA

Figure 26: Comparison of basic and periodic models with Neural Network model, USA