

Branching stochastic processes as models of Covid-19 epidemic development

Client_Date_Sat - week 53

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Abstract

The results presented here are obtained using the methodology proposed in the paper <https://arxiv.org/abs/2004.14838> for the country Client_Date_Sat. The data comes from European Centre for Disease Prevention and Control available at <https://opendata.ecdc.europa.eu/covid19/casedistribution/csv>.

Table of Contents

1. Observed Infection data	1
2. Estimating of the main parameter and some predictions	3

List of Figures

1.1. Number of the daily reported laboratory-confirmed cases	1
1.2. Number of the total registered cases	2
2.1. Expected number of the nonregistered infected individuals with immigration	3

Chapter 1. Observed Infection data

Figure 1.1. Number of the daily reported laboratory-confirmed cases

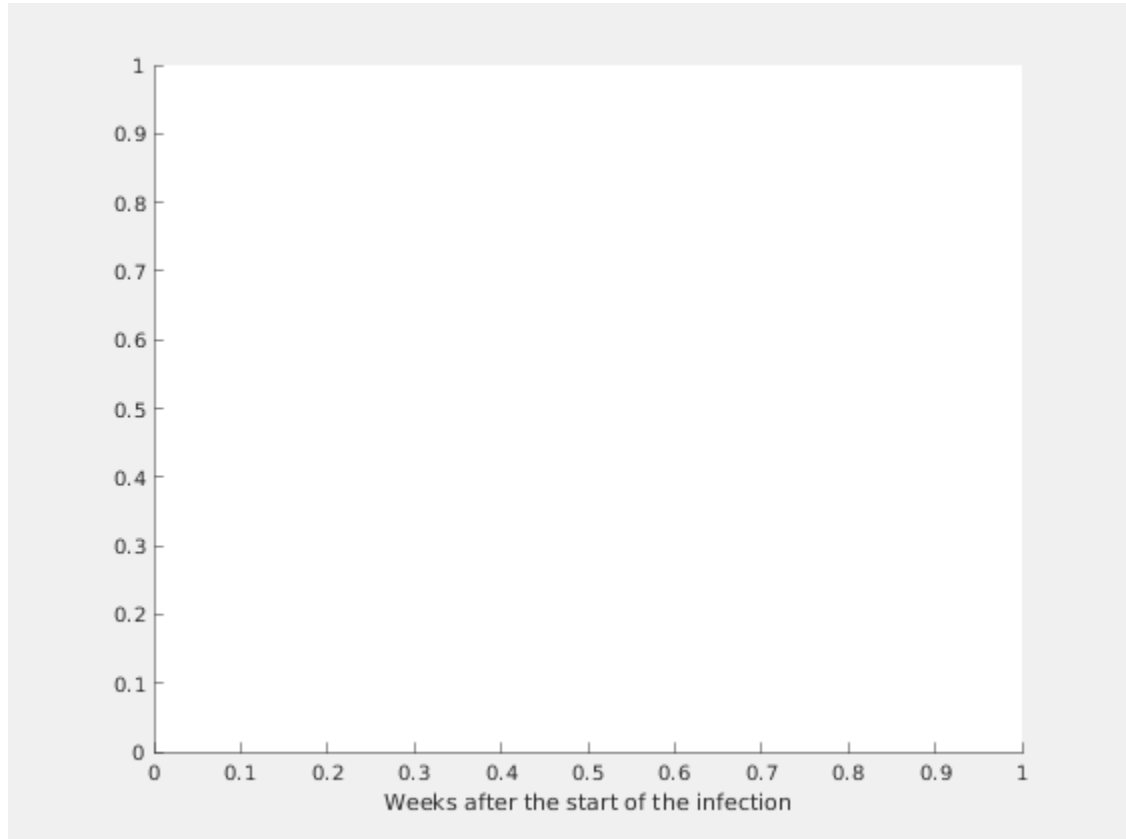
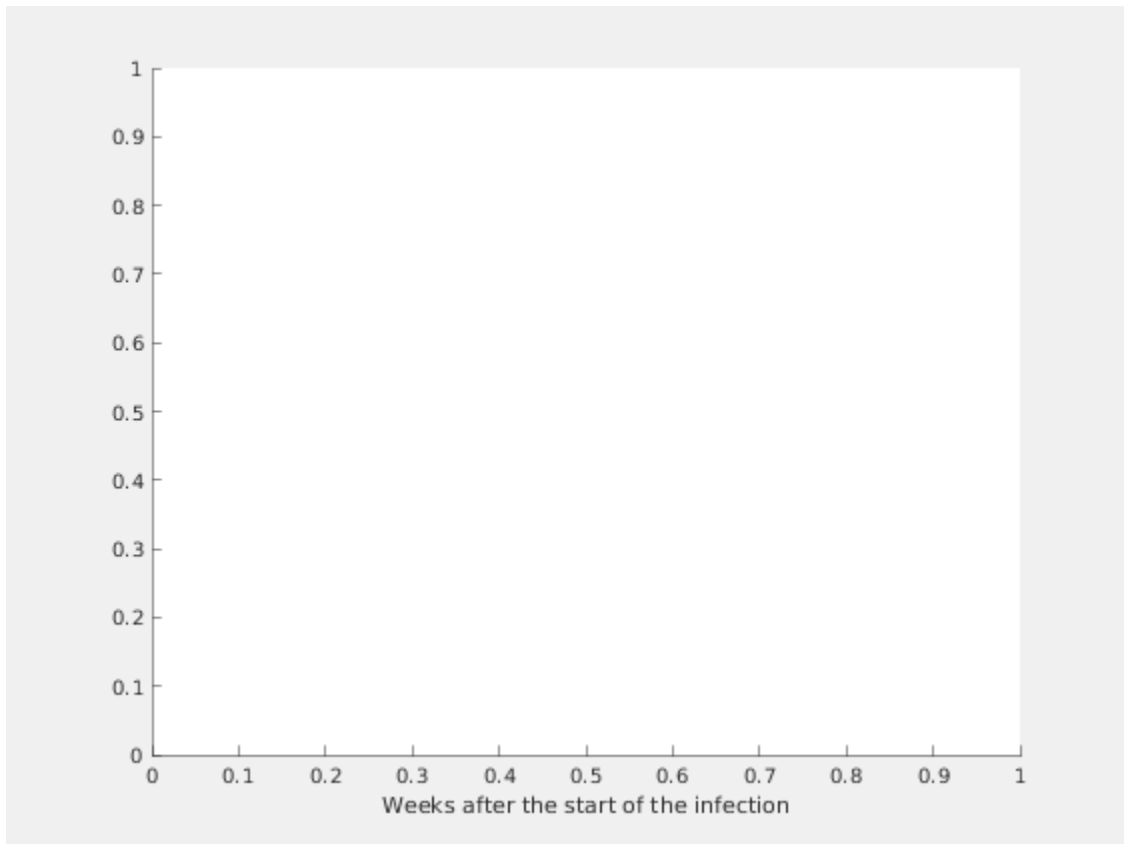
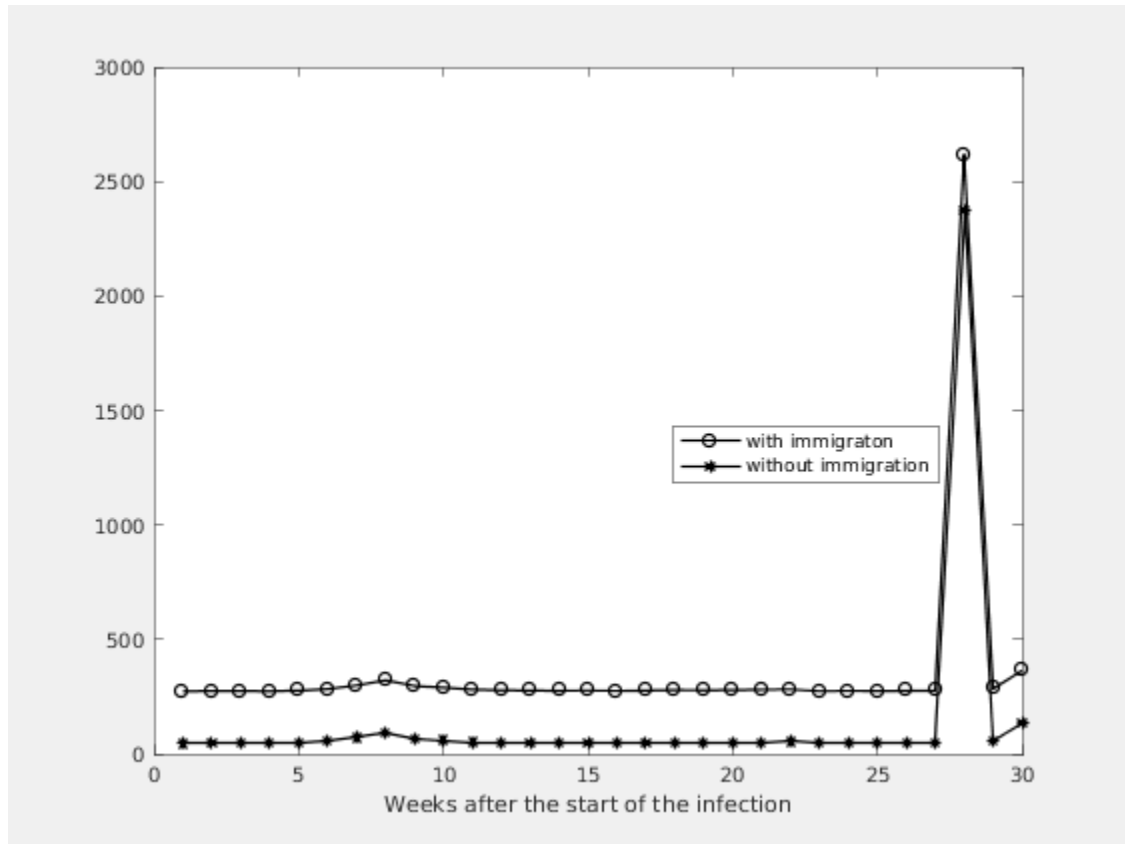


Figure 1.2. Number of the total registered cases



Chapter 2. Estimating of the main parameter and some predictions

Figure 2.1. Expected number of the nonregistered infected individuals with immigration



Estimation of the model parameters.

k	m	ci	alpha	M1	A1
4	0.0000	0.0000 - 0.0000	0.0000	0	0