yo

Abstract

uadnf+ads

1 Introduction

blalba

2 Algorithms, implementation and testing

As this project is new this year (as far as I know), some trial and error, as well as some creative freedom to change equations for more realistic implementation was taken.

2.1 Runge-Kutta model

When the population is stable, such that N is constant, we have that

$$N = I + R + S \tag{1}$$

Which can be simplified such that

$$R = N - R - S$$

So that R is plugged into the equation for S, and we only need 2 equations. However, as is the case with the vital parameters where N is changing, we now have to update N and R, which depend on each other, which is no longer possible. This version of the RK-model turns out to be significantly slowe, as both N and R now needs to be calculated for every step.

2.2 Monte Carlo method
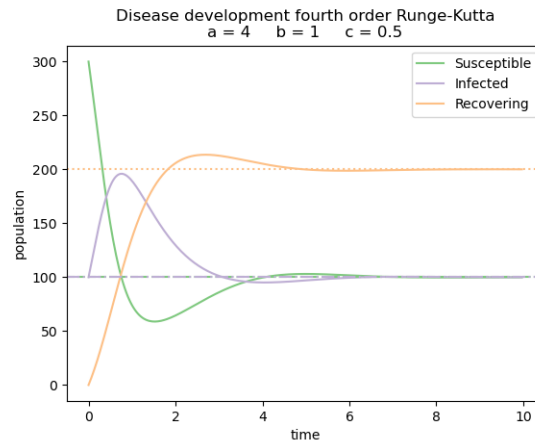
3 Analysis

maybe only include infected and compare that?

Figure 1: kamsdoka

4 Discussion

5 Conclusion