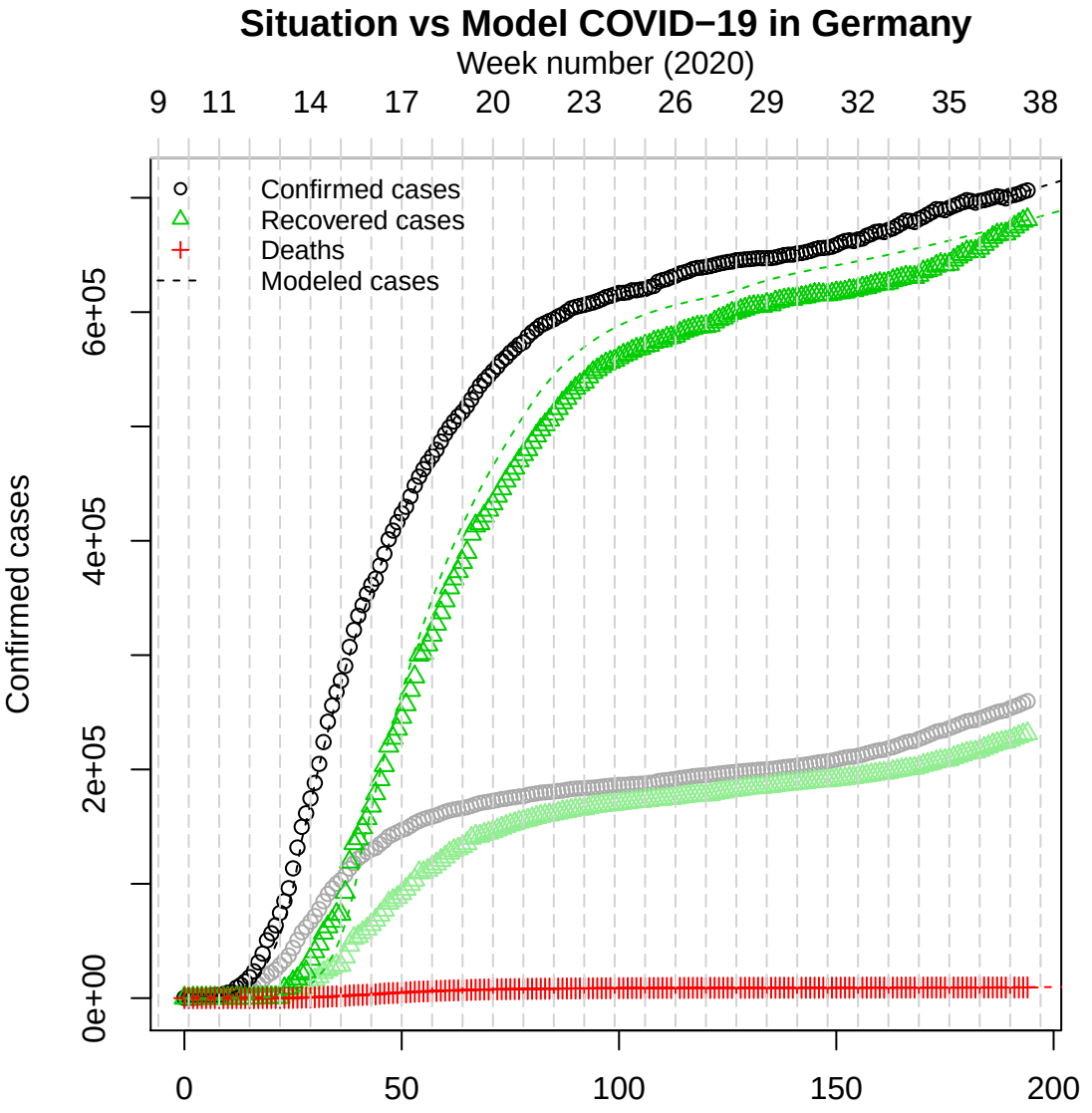

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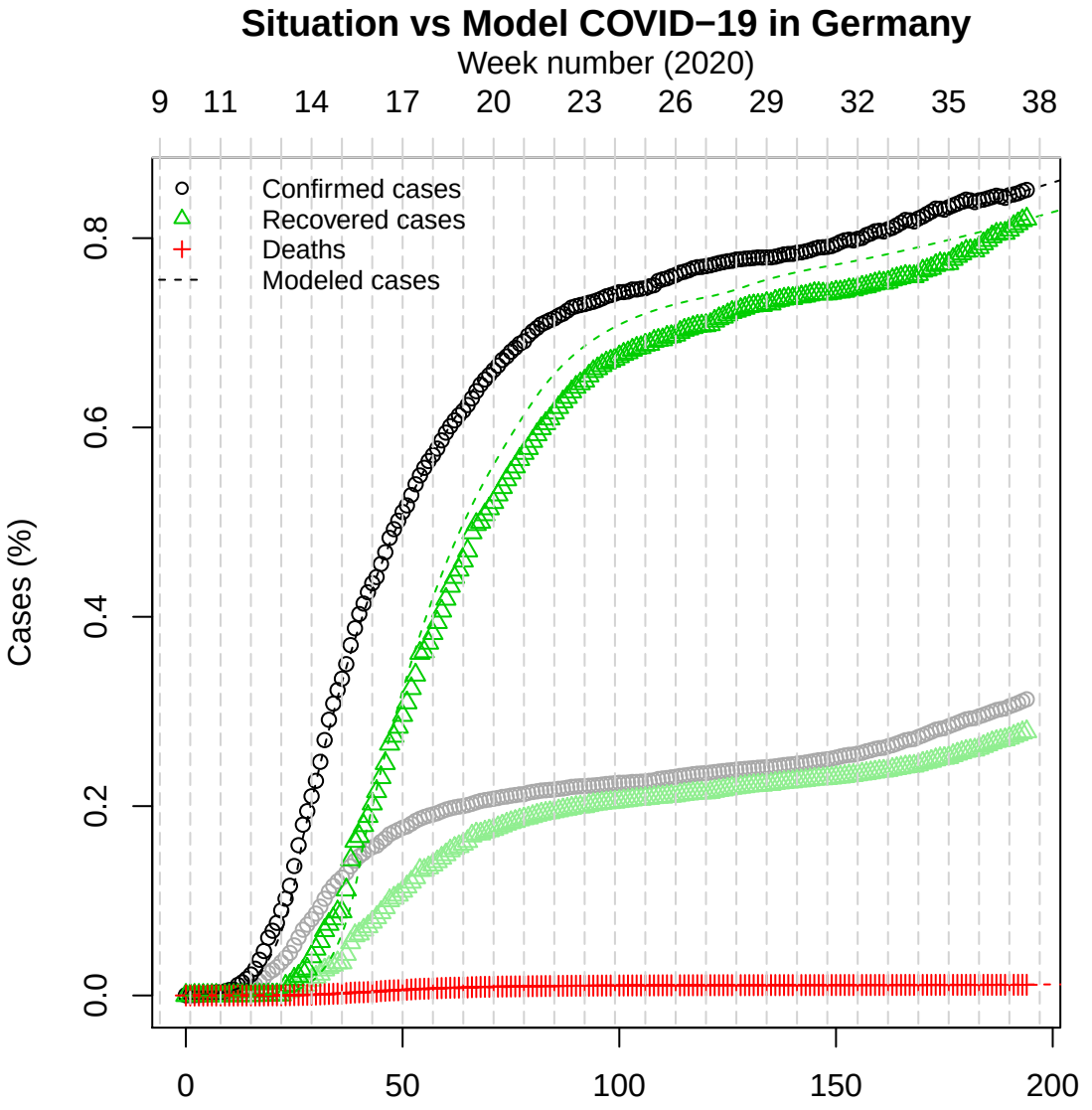

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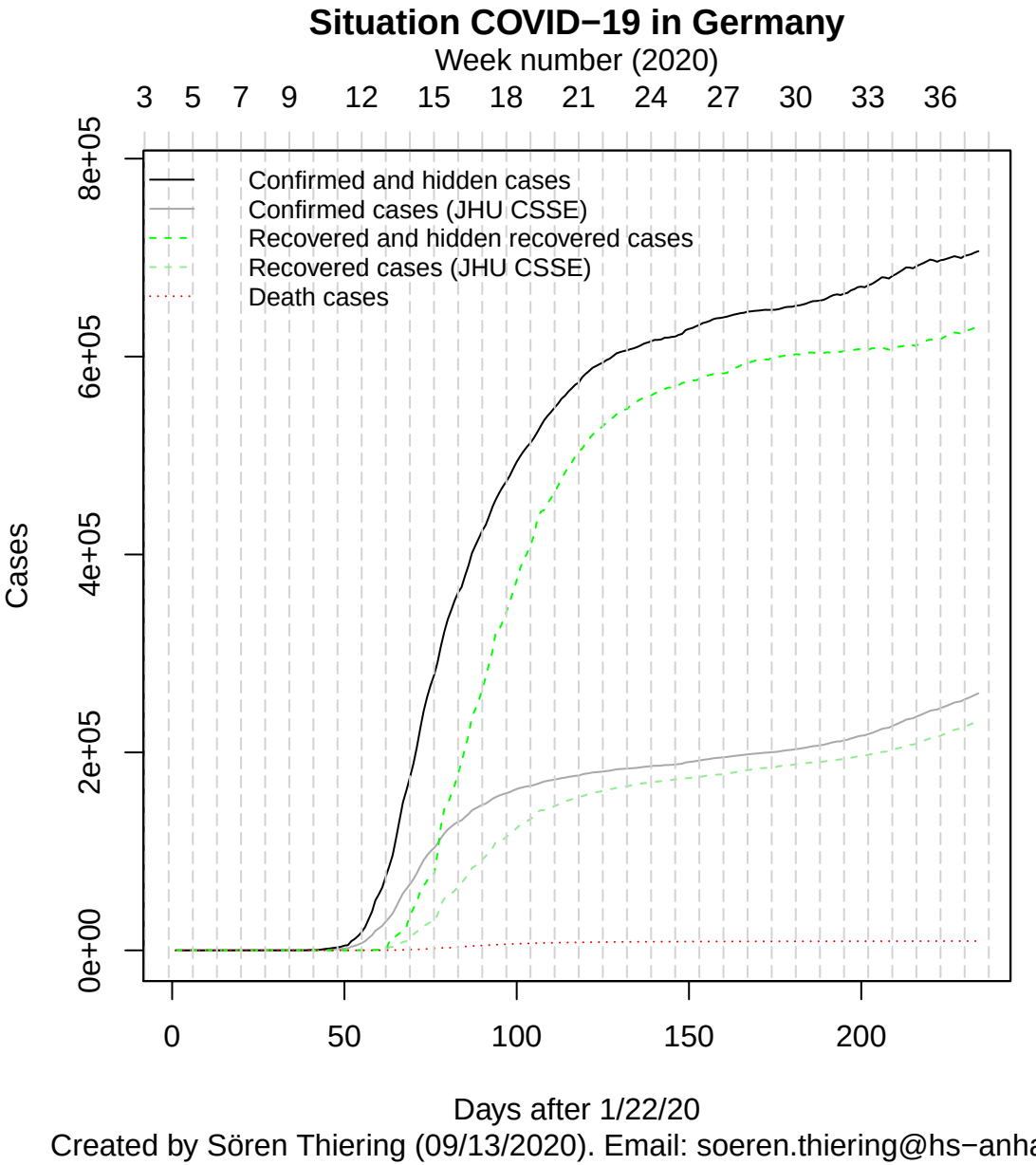
Situation COVID−19 in Germany
Week number (2020)
3 5 7 9 12 15 18 21 24 27 30 33 36
Confirmed and hidden cases
Confirmed cases (JHU CSSE)
Recovered and hidden recovered cases
Recovered cases (JHU CSSE)
Death cases
Cases
0e+00 2e+05 4e+05 6e+05 8e+05
0 50 100 150 200
Days after 1/22/20
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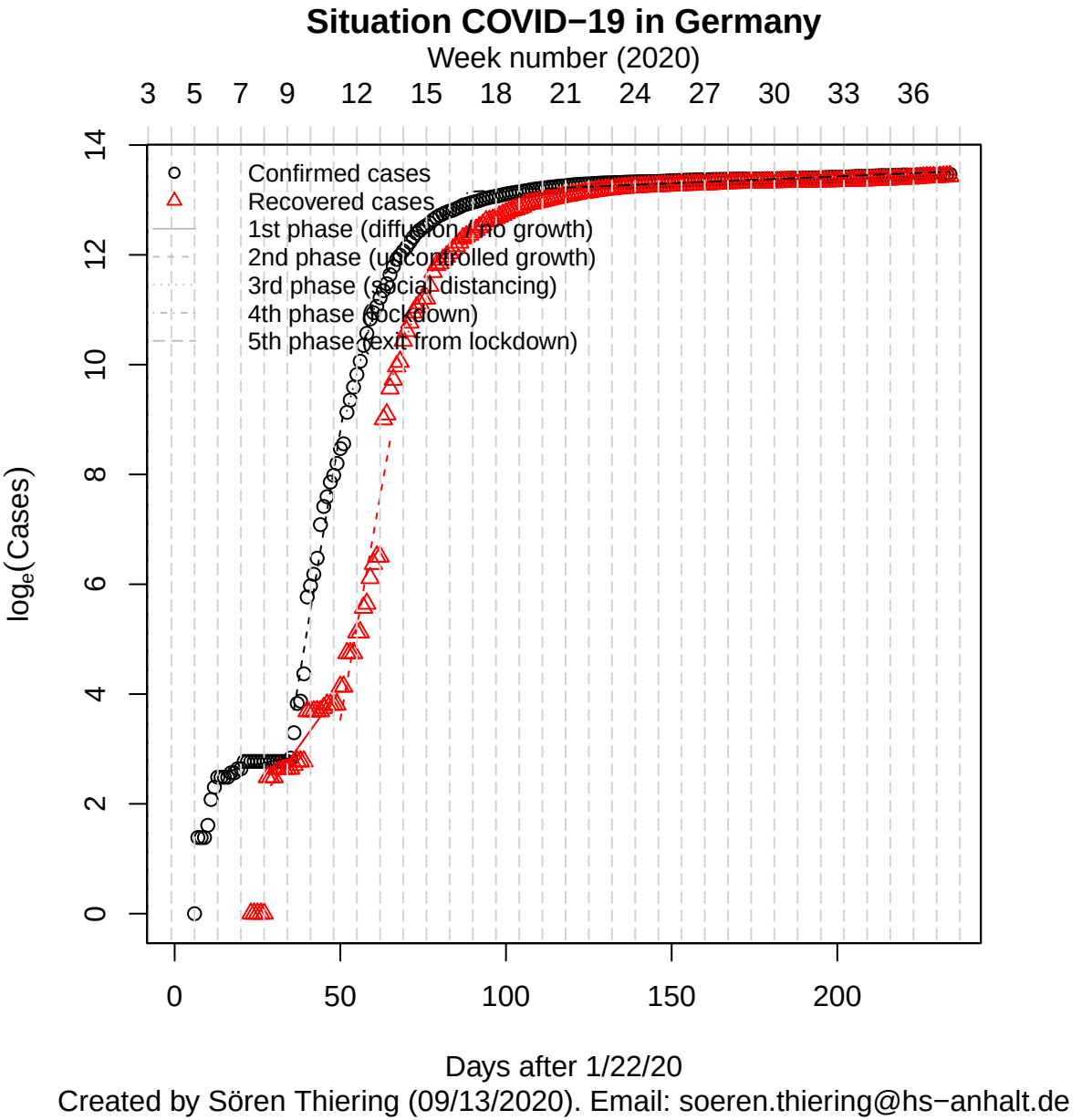

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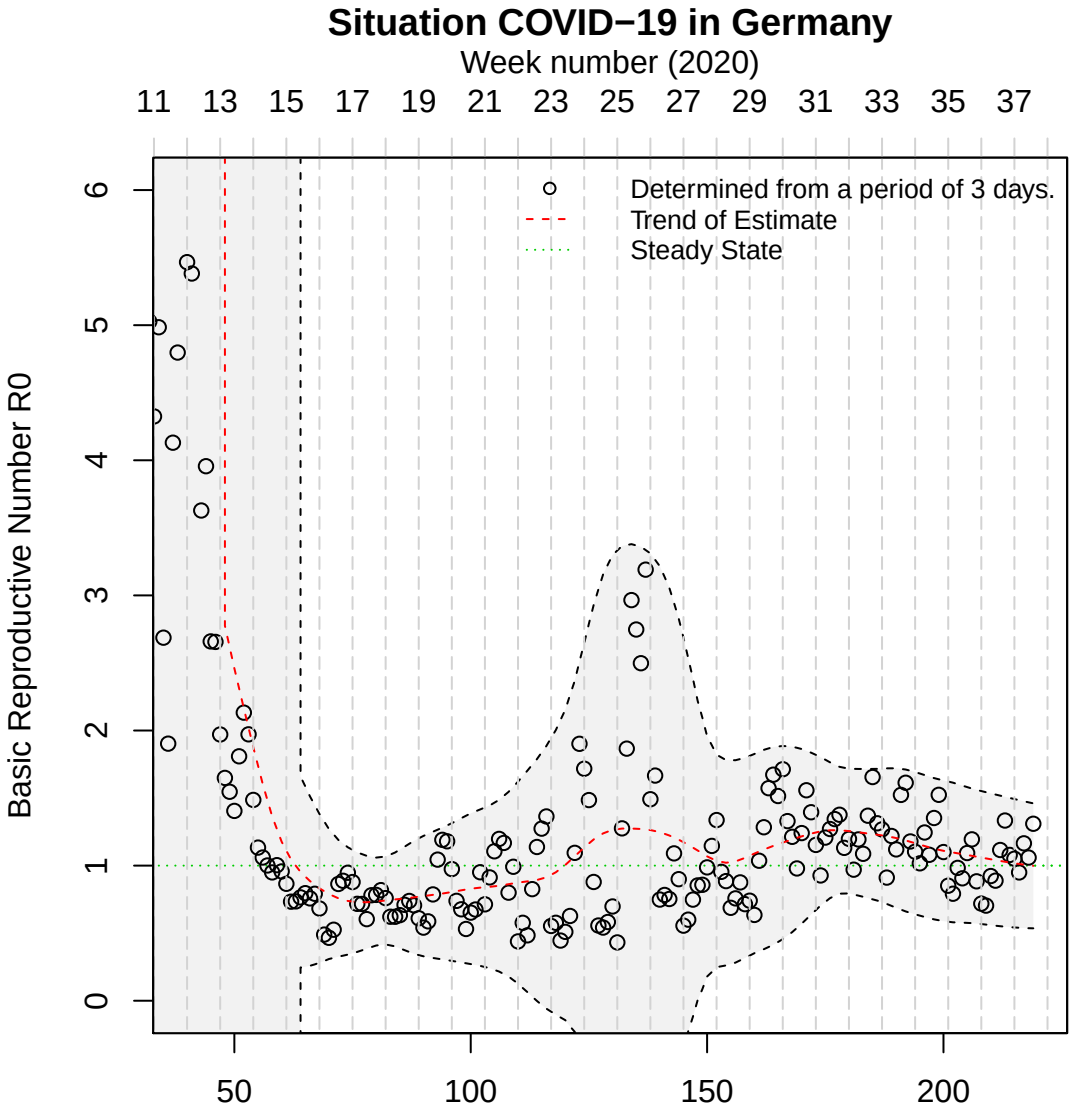

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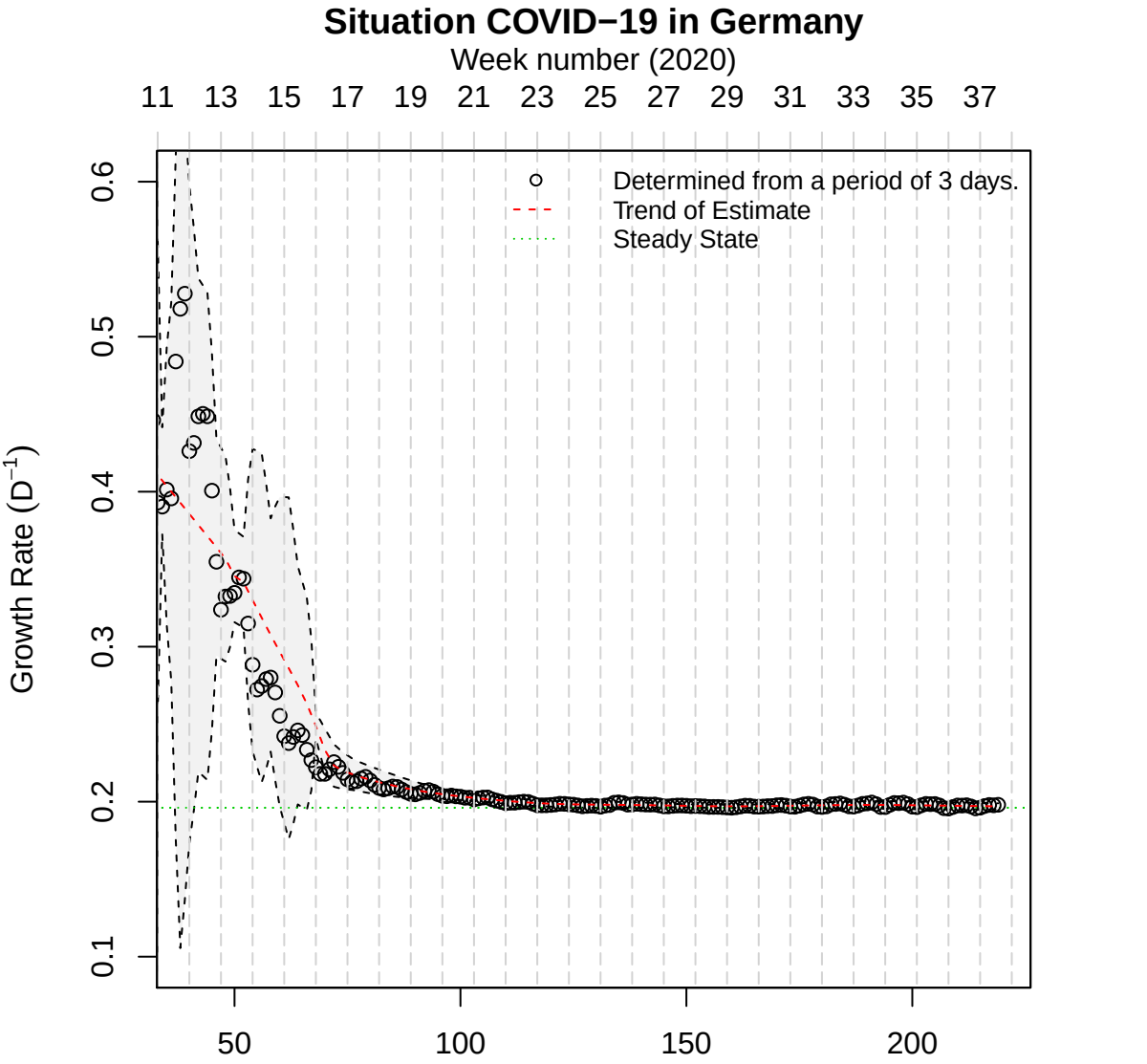
Situation COVID−19 in Germany
Week number (2020)
11 13 15 17 19 21 23 25 27 29 31 33 35 37
Determined from a period of 3 days.
Trend of Estimate
Steady State
Growth Rate (D−1)
0.1 0.2 0.3 0.4 0.5 0.6
50 100 150 200
Days after 2/5/20
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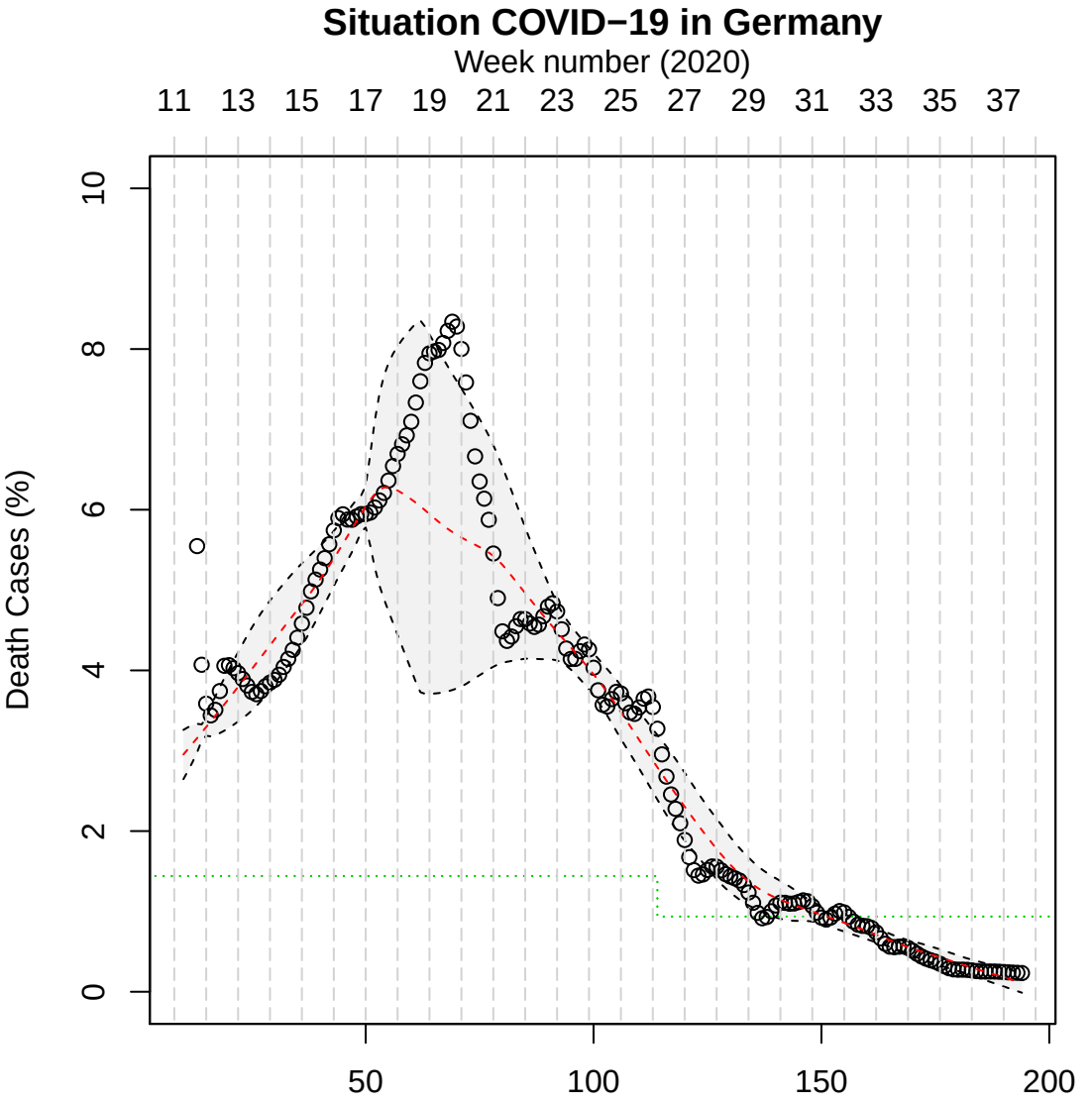

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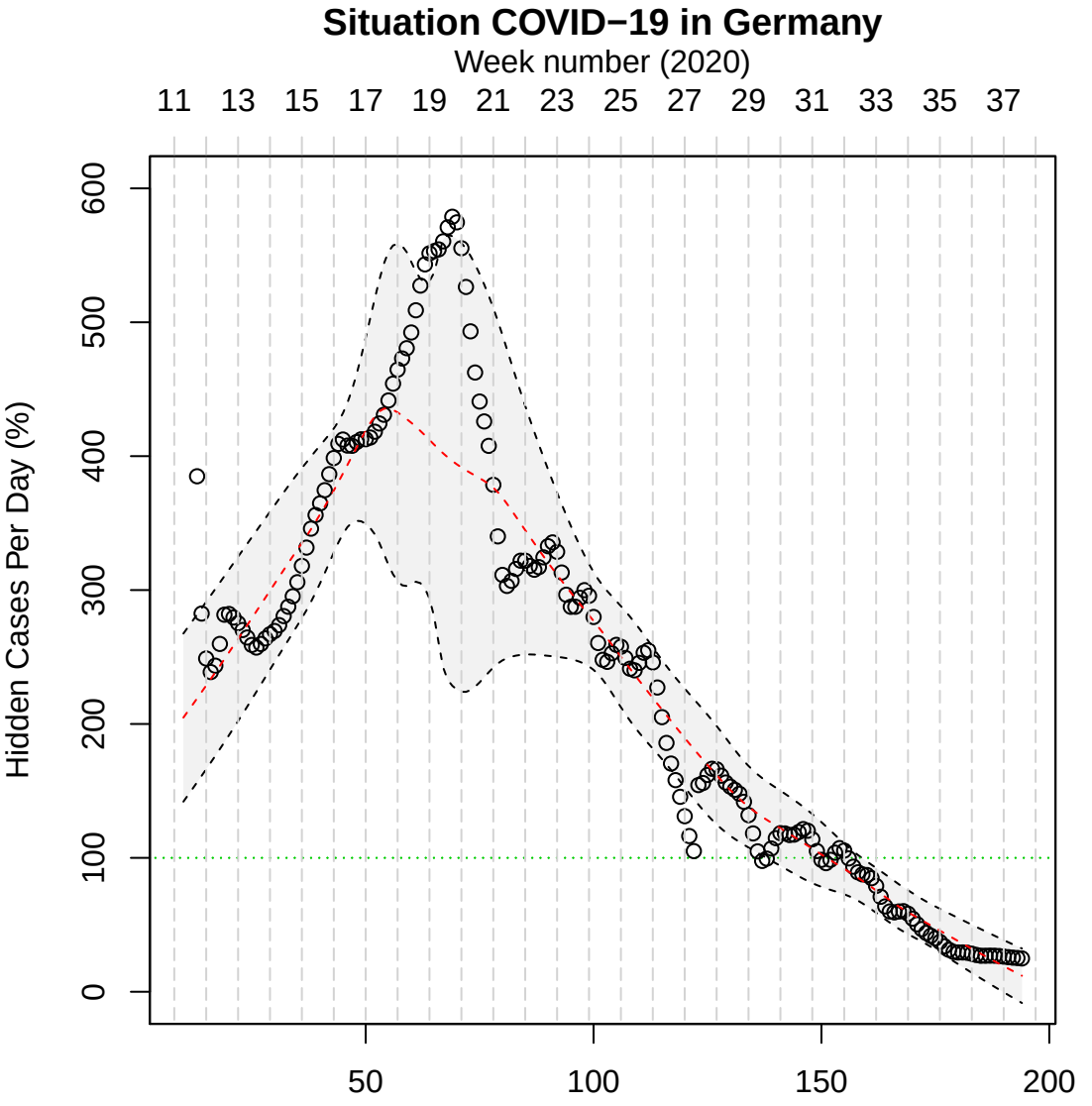

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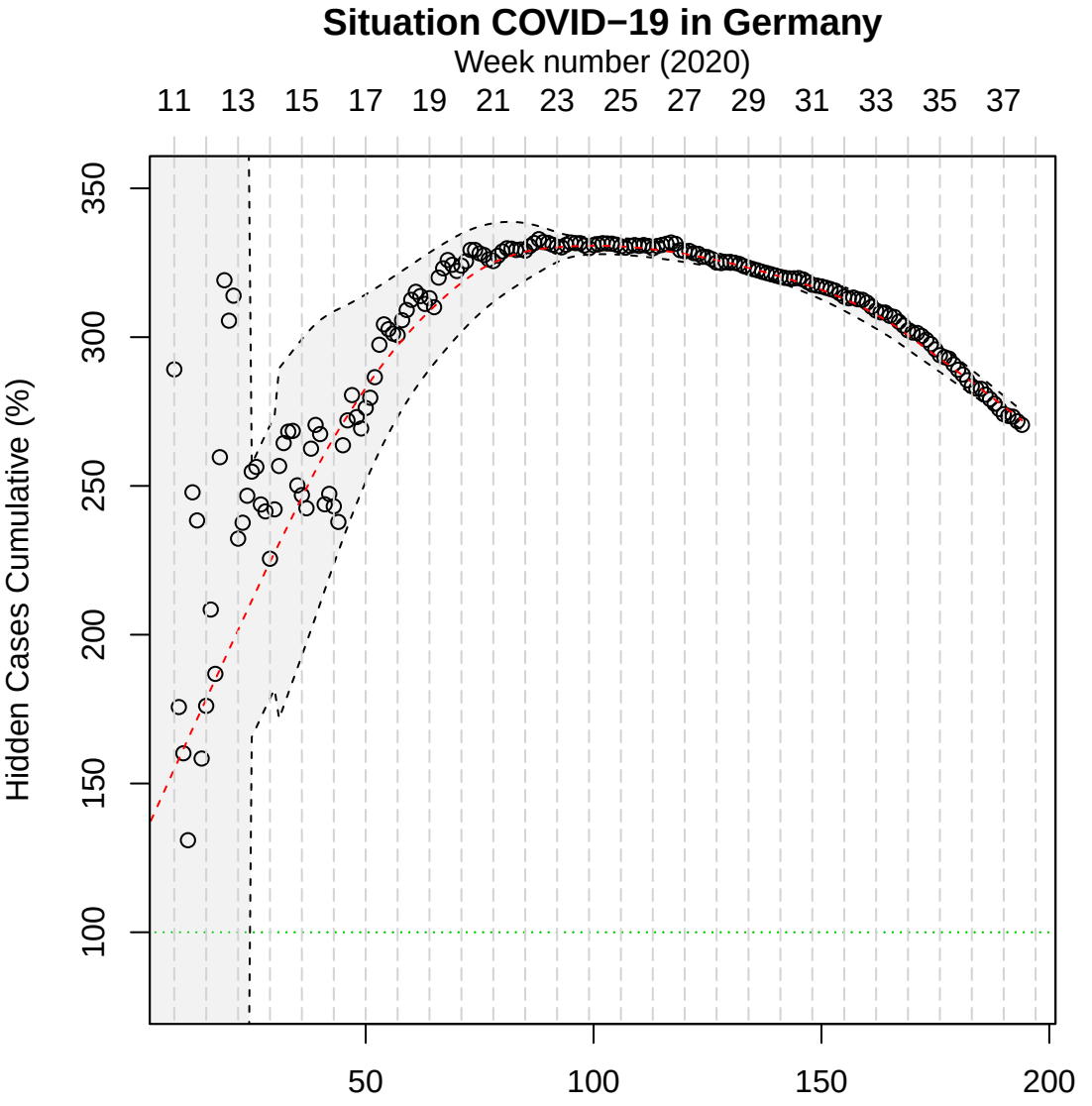

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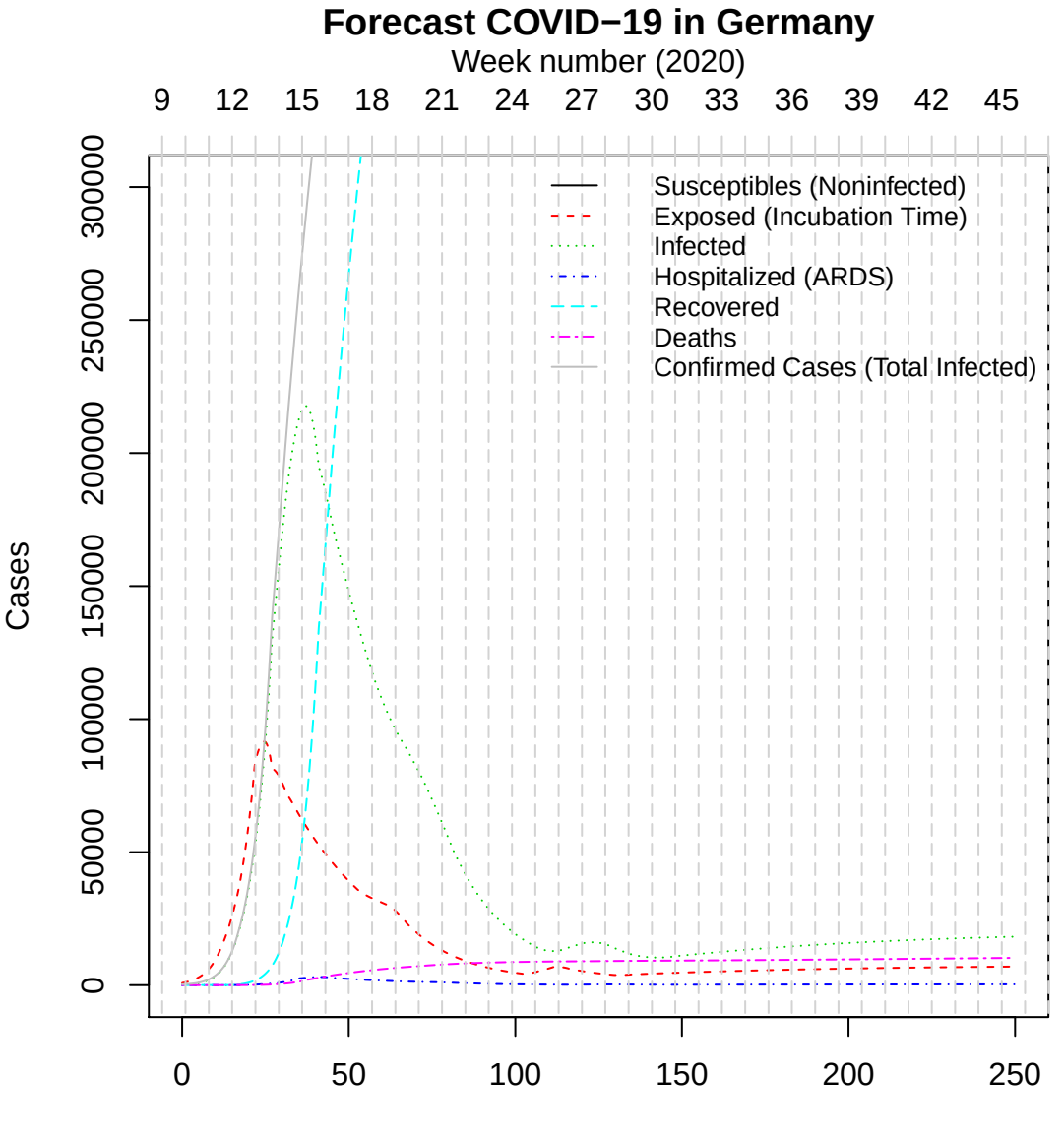

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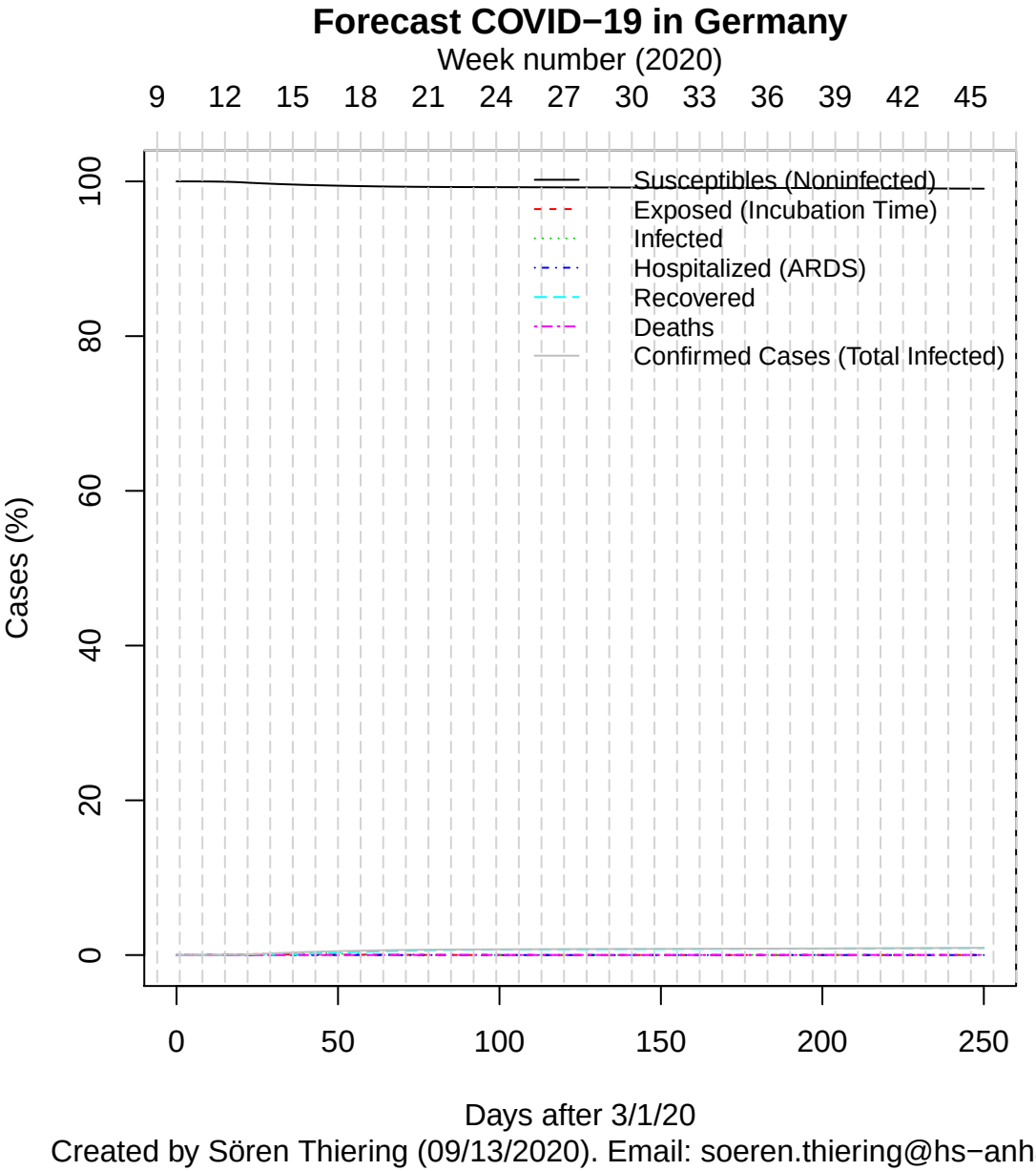
Forecast COVID−19 in Germany
Week number (2020)
9
12
15
18
21
24
27
30
33
36
39
42
45
Susceptibles (Noninfected)
Exposed (Incubation Time)
Infected
Hospitalized (ARDS)
Recovered
Deaths
Confirmed Cases (Total Infected)
Cases (%)
0
20
40
60
80
100
0
50
100
150
200
250
Days after 3/1/20
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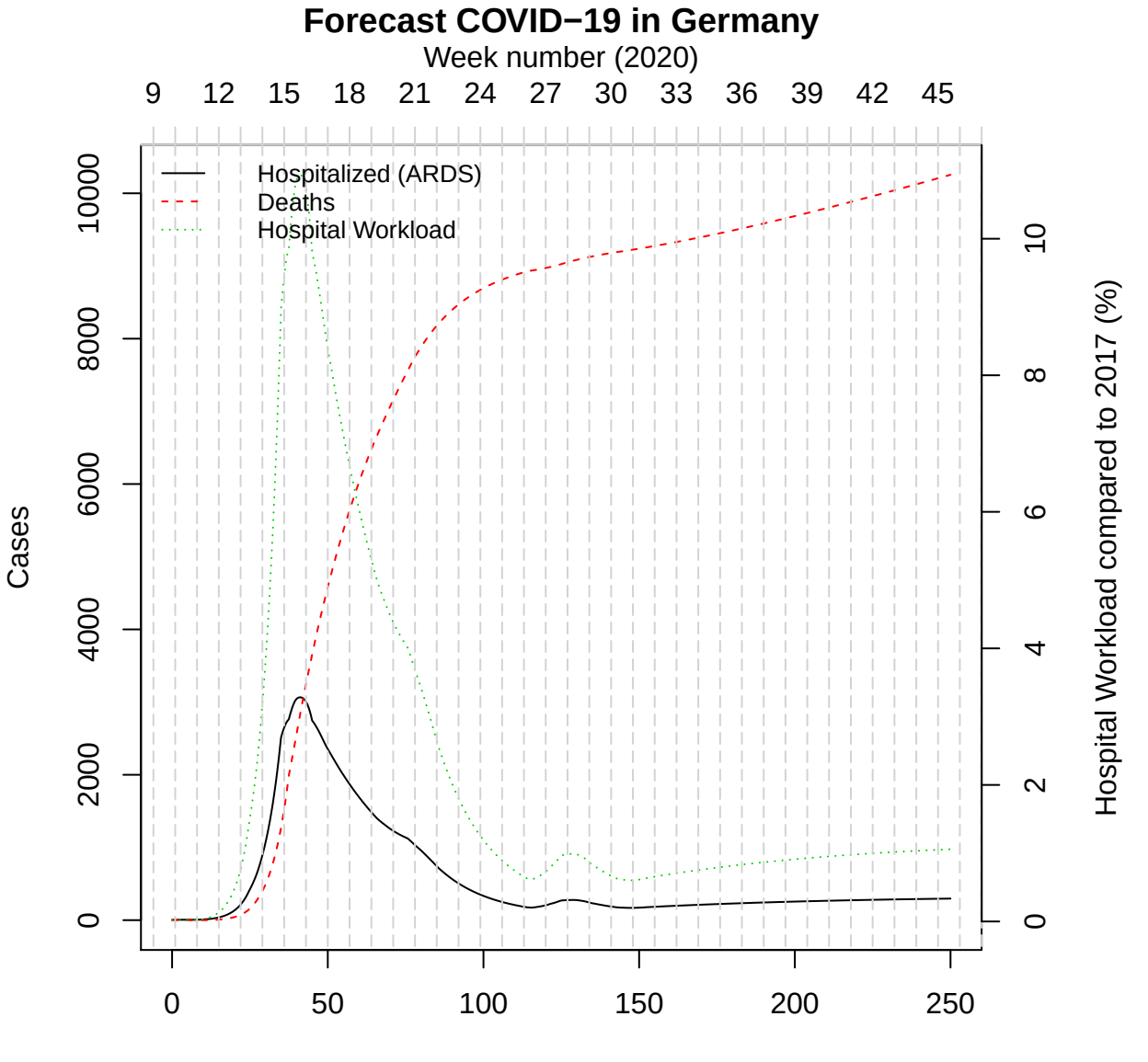

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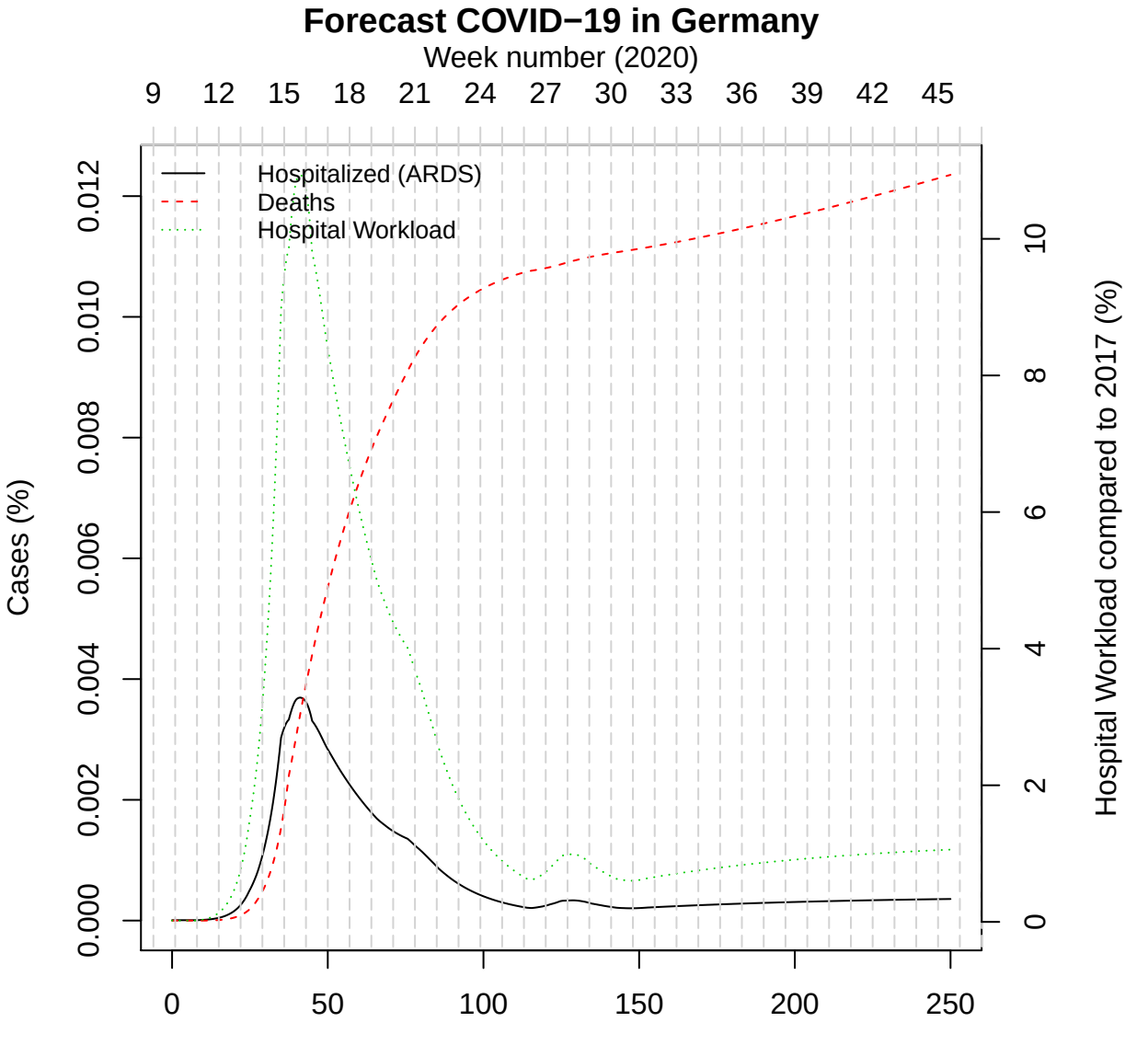

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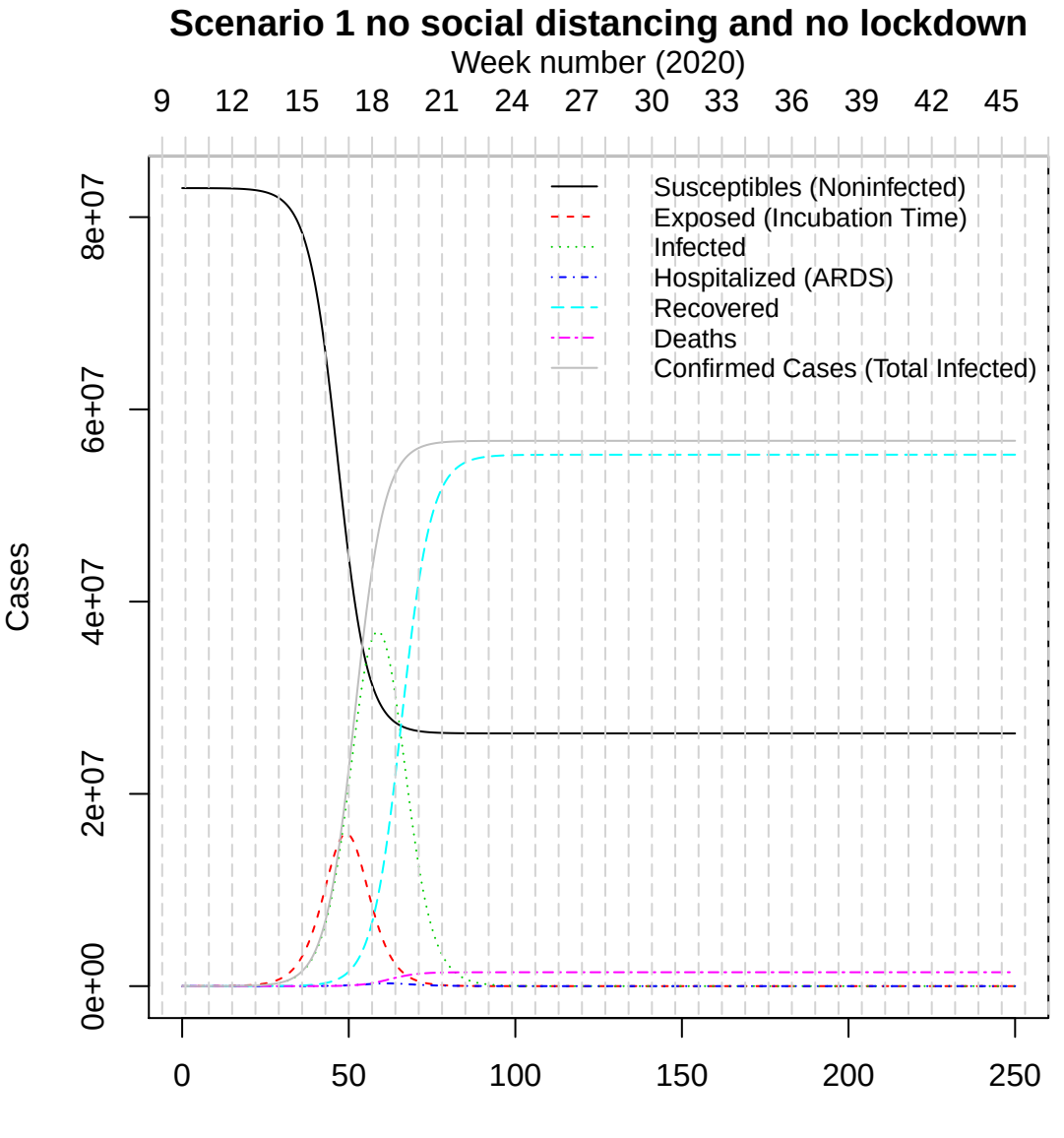

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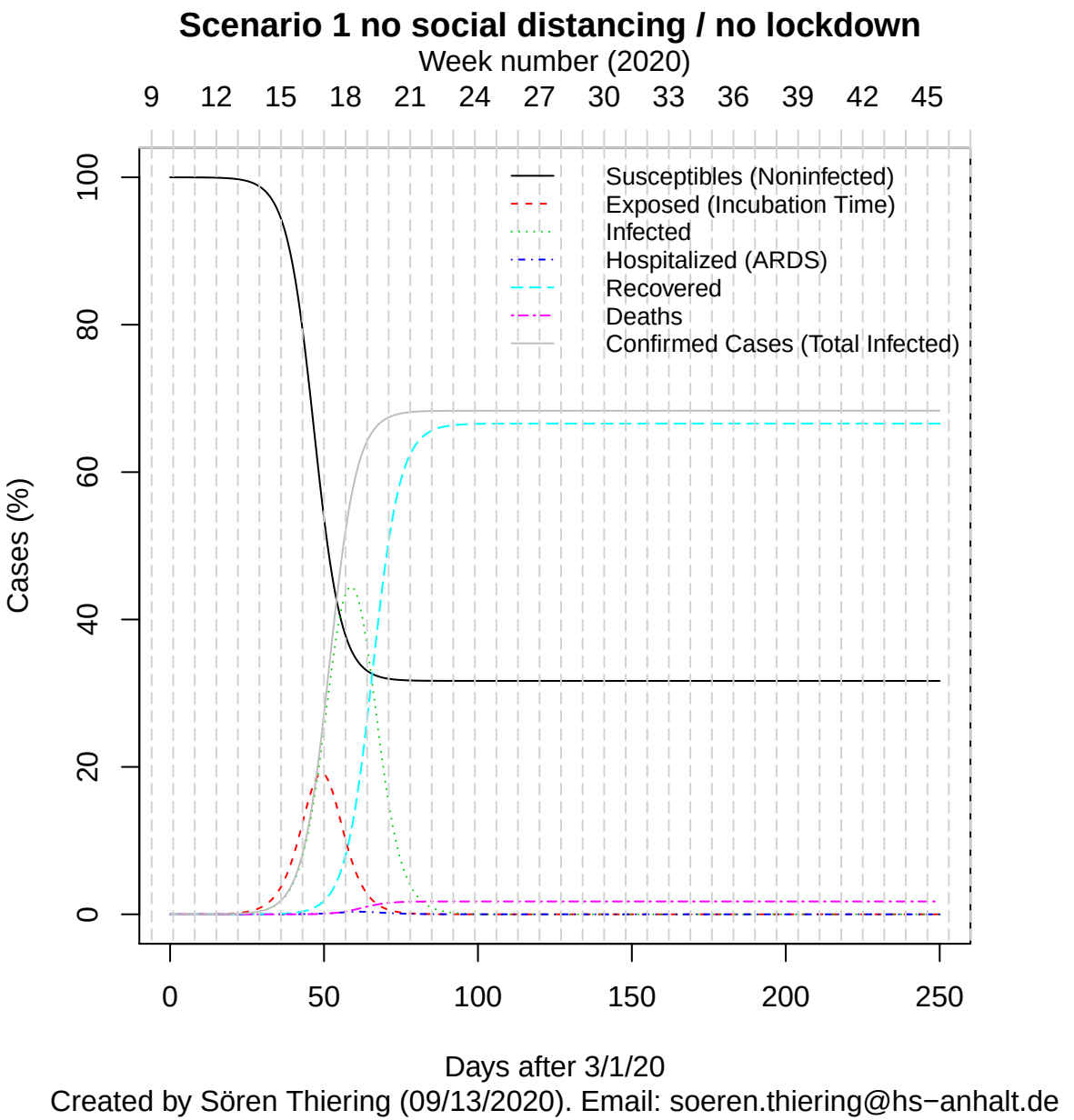
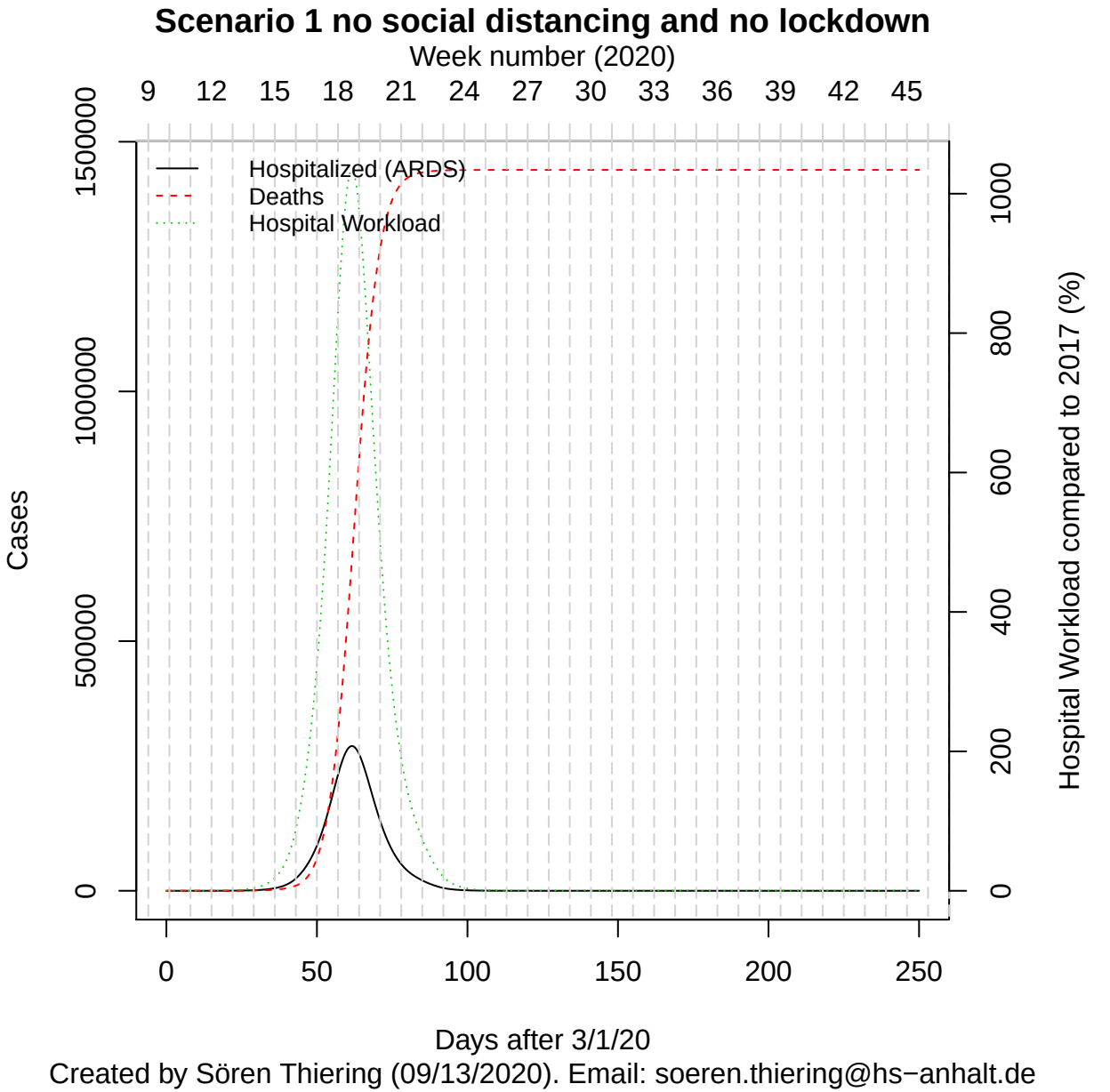
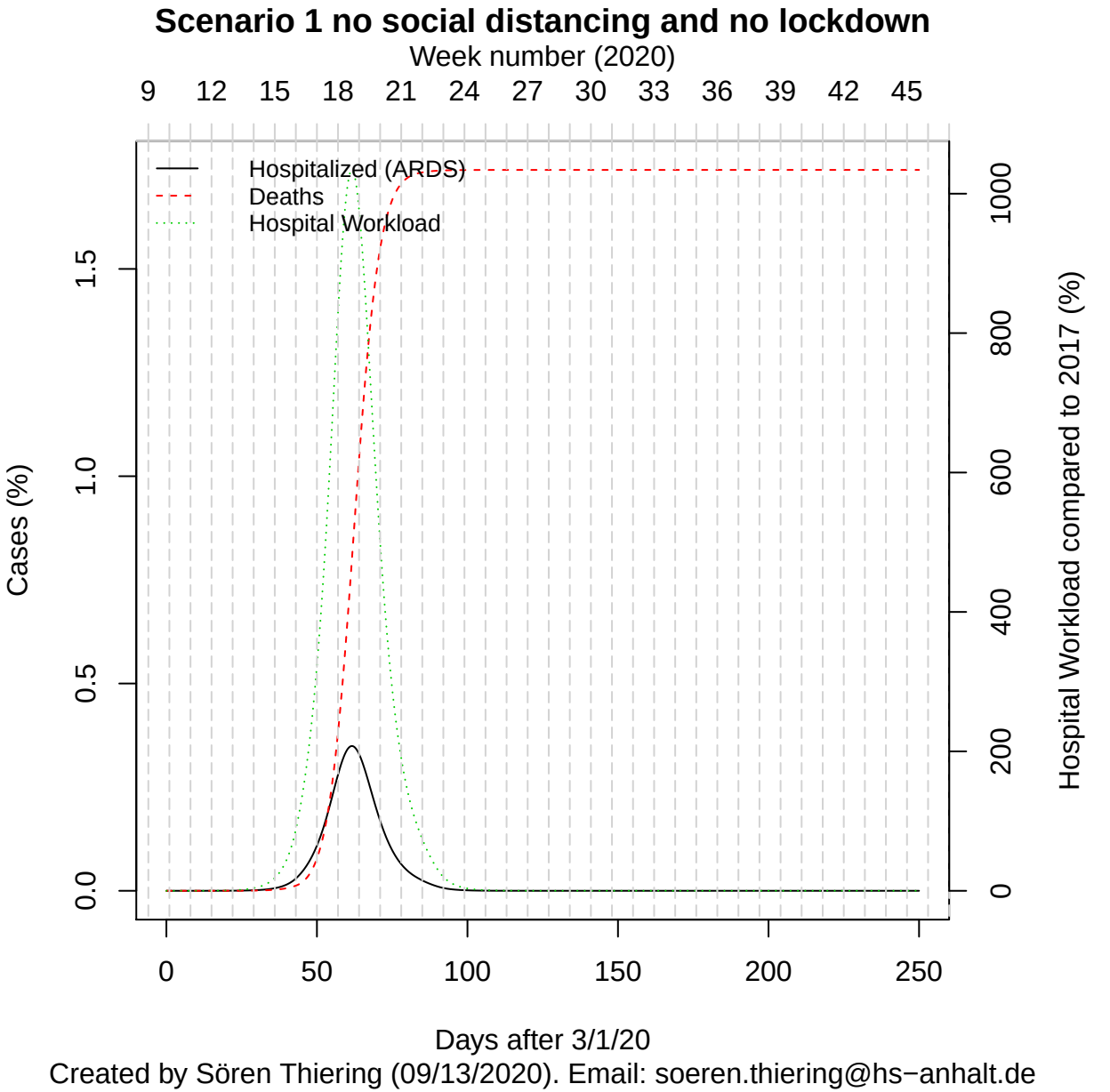

Scenario 1 no social distancing / no lockdown
Week number (2020)
9
12
15
18
21
24
27
30
33
36
39
42
45
Cases (%)
0
20
40
60
80
100
Susceptibles (Noninfected)
Exposed (Incubation Time)
Infected
Hospitalized (ARDS)
Recovered
Deaths
Confirmed Cases (Total Infected)
0
50
100
150
200
250
Days after 3/1/20
Created by Sören Thiering (09/13/2020). Email: soeren.thiering@hs−anhalt.de


Scenario 1 no social distancing and no lockdown
Week number (2020)
9
12
15
18
21
24
27
30
33
36
39
42
45
Hospitalized (ARDS)
Deaths
Hospital Workload
Cases
0
500000
1000000
1500000
Hospital Workload compared to 2017 (%)
0
200
400
600
800
1000
0
50
100
150
200
250
Days after 3/1/20
Created by Sören Thiering (09/13/2020). Email: soeren.thiering@hs−anhalt.de



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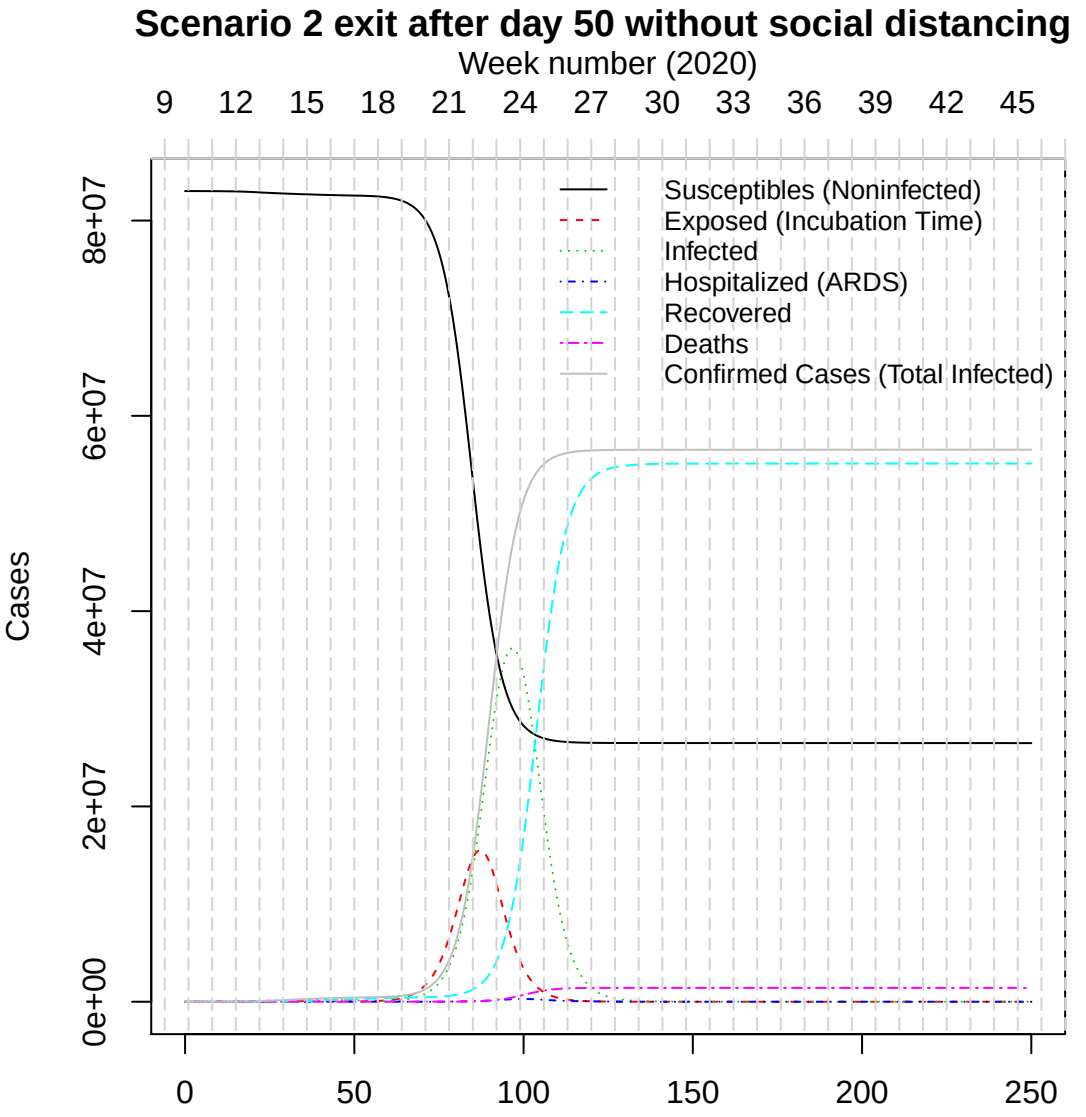

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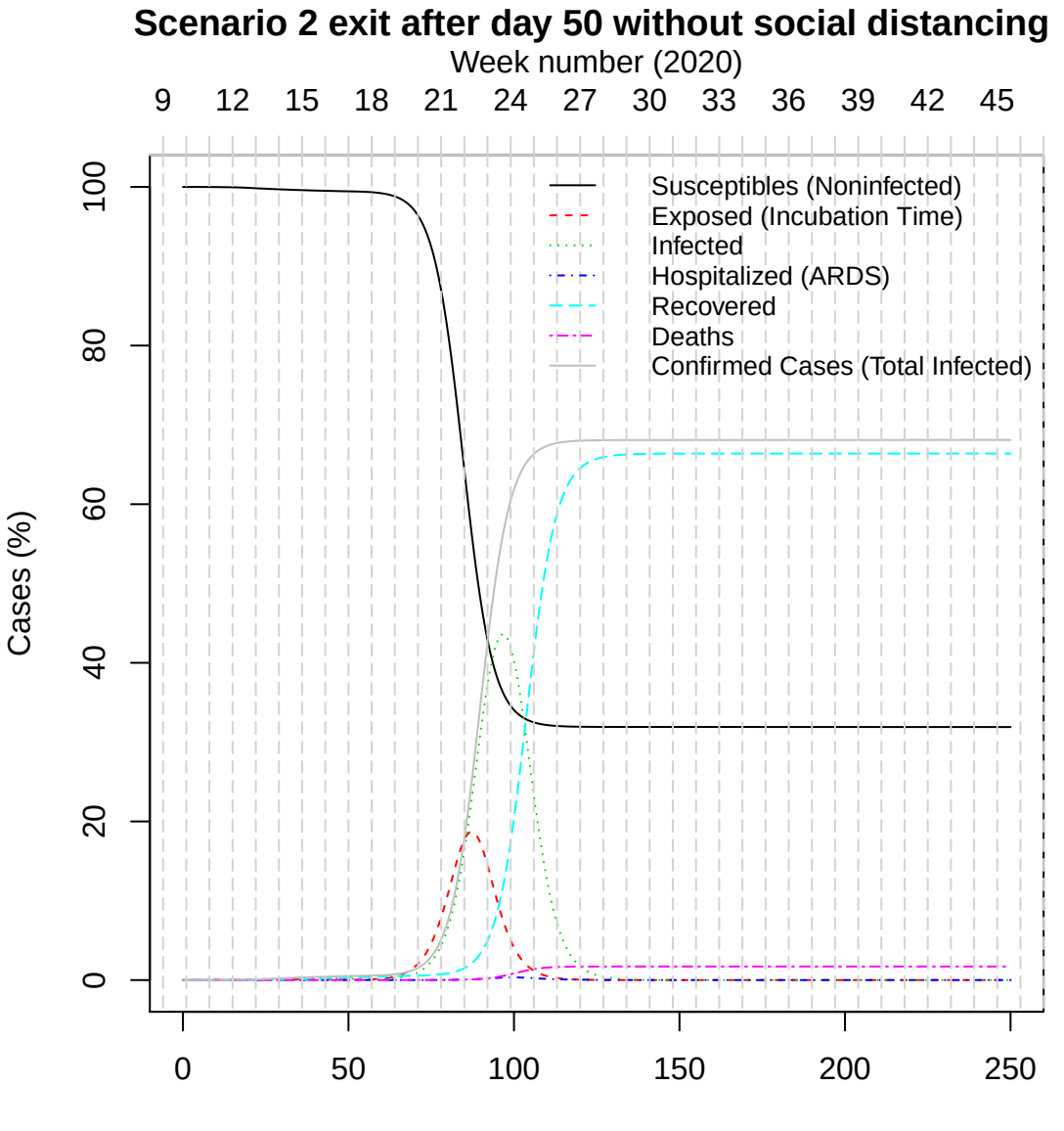
Scenario 2 exit after day 50 without social distancing
Week number (2020)
9
12
15
18
21
24
27
30
33
36
39
42
45
Cases (%)
0
20
40
60
80
100
Susceptibles (Noninfected)
Exposed (Incubation Time)
Infected
Hospitalized (ARDS)
Recovered
Deaths
Confirmed Cases (Total Infected)
0
50
100
150
200
250
Days after 3/1/20
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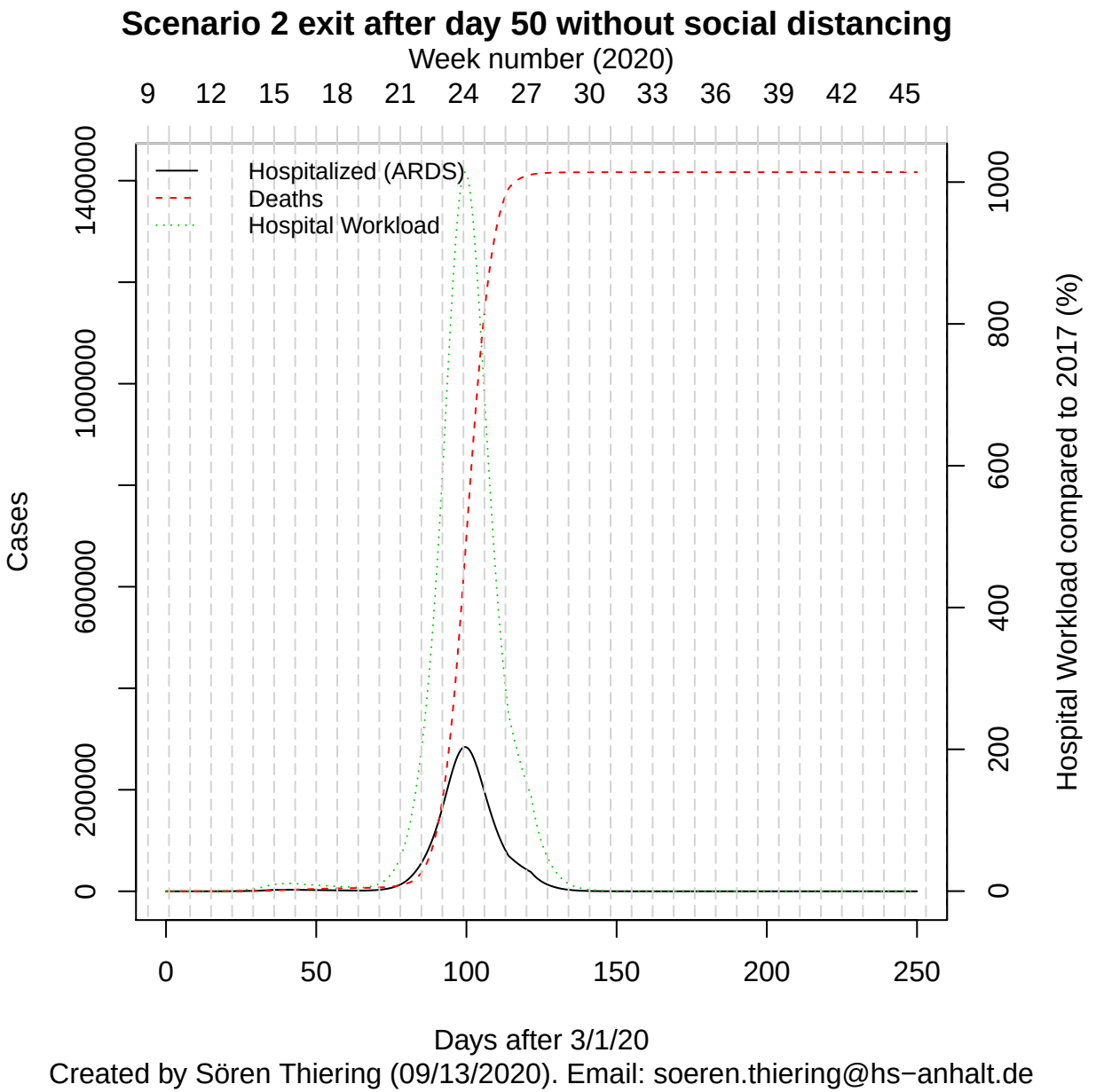

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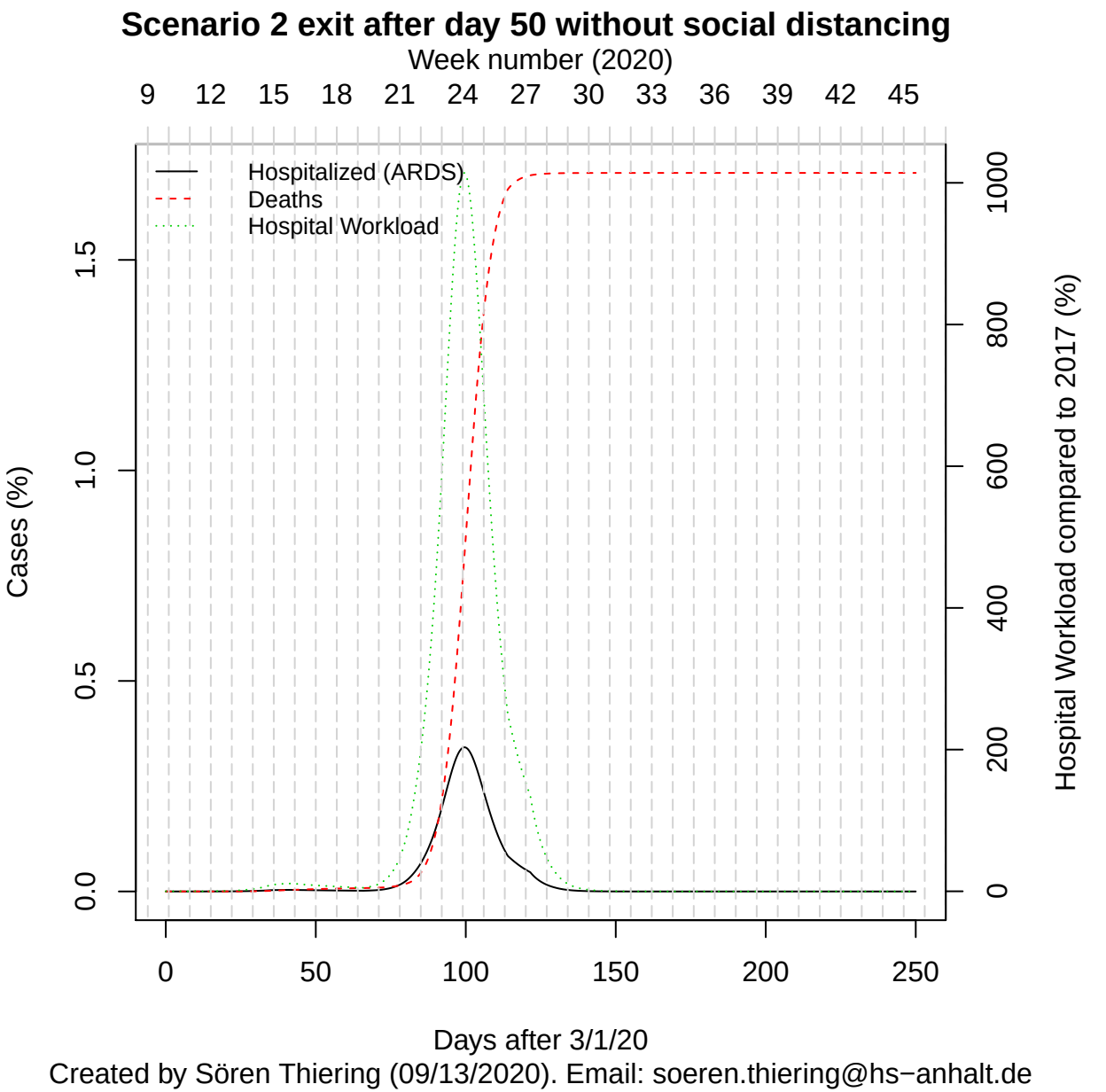

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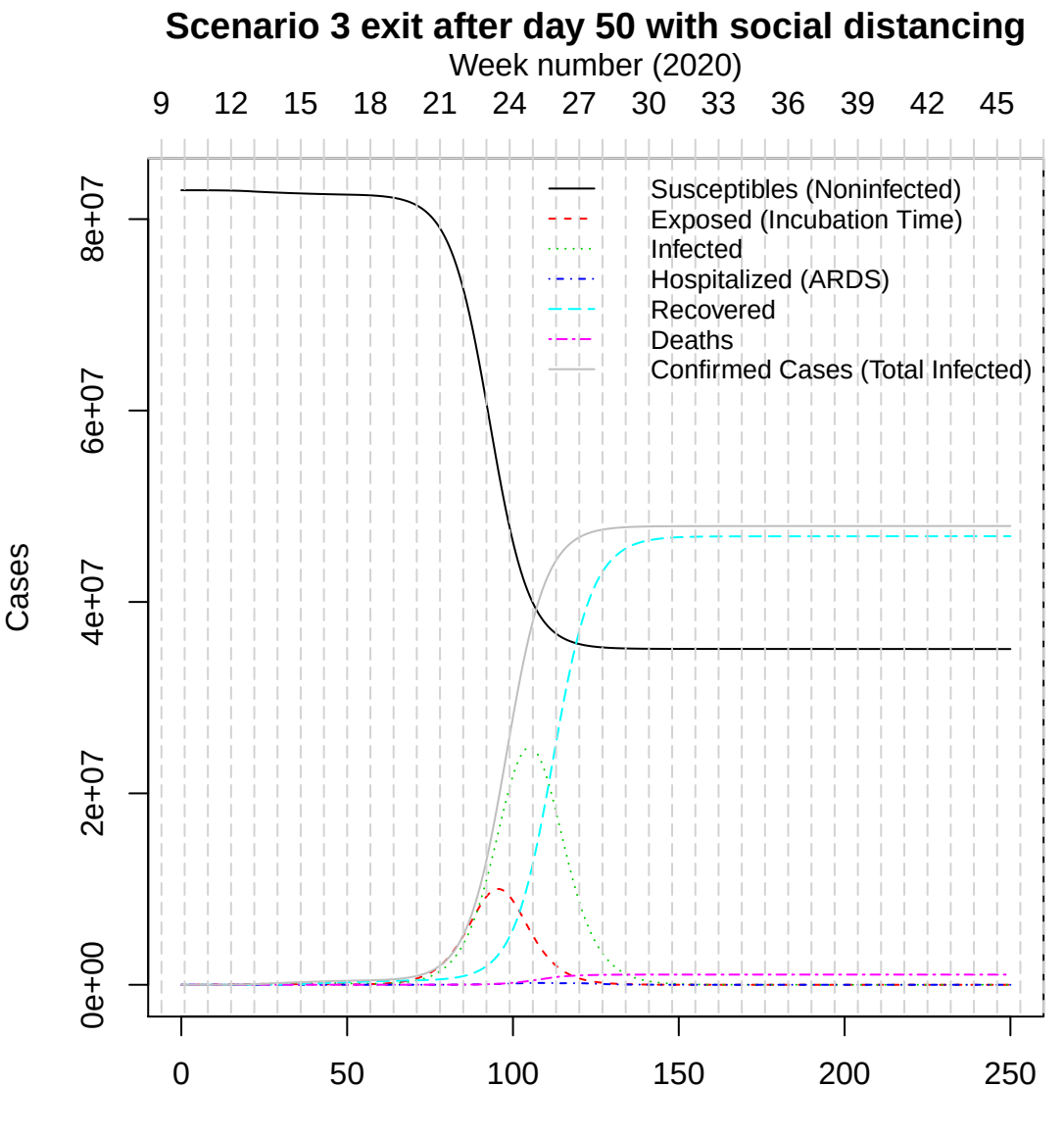

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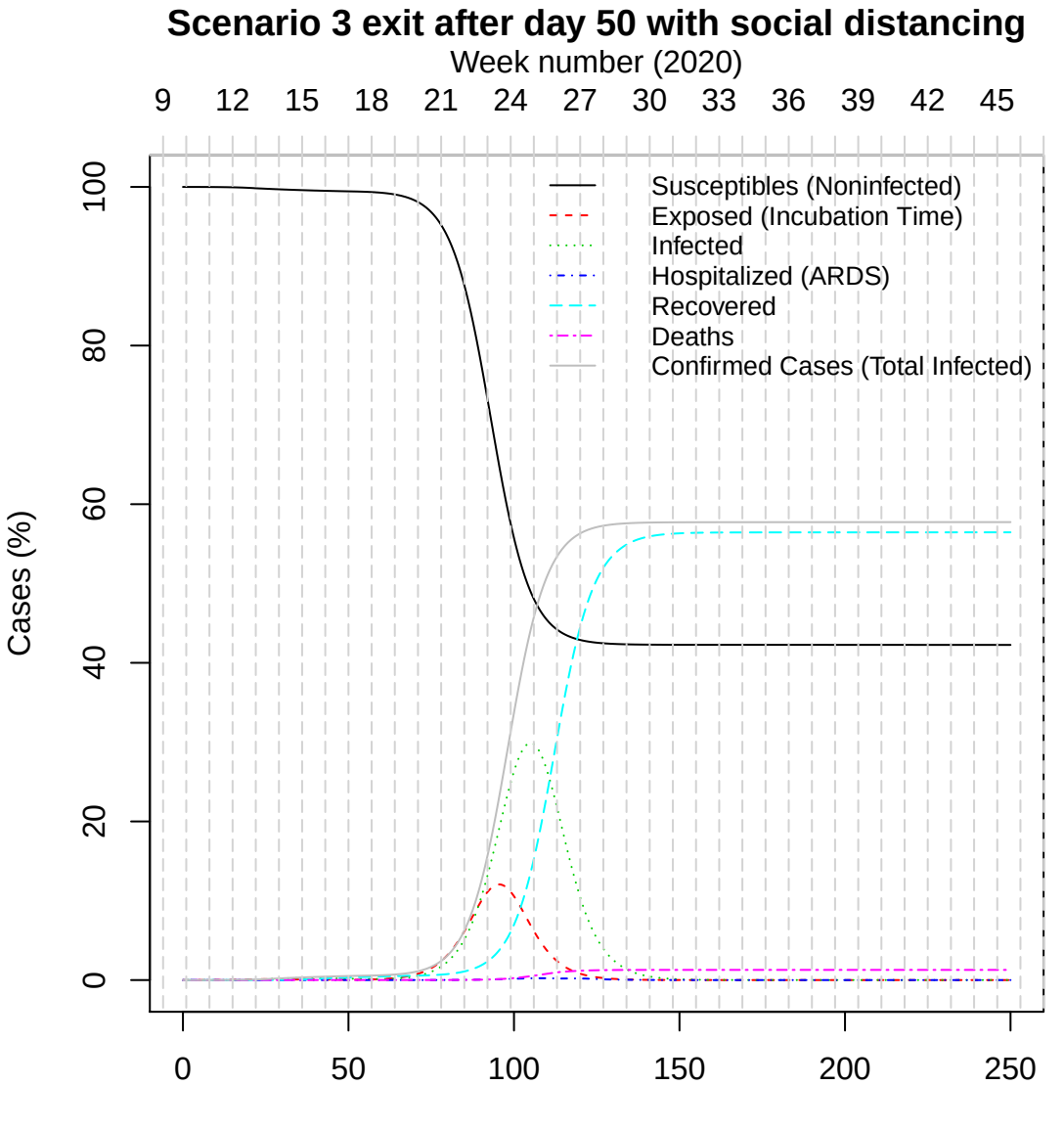

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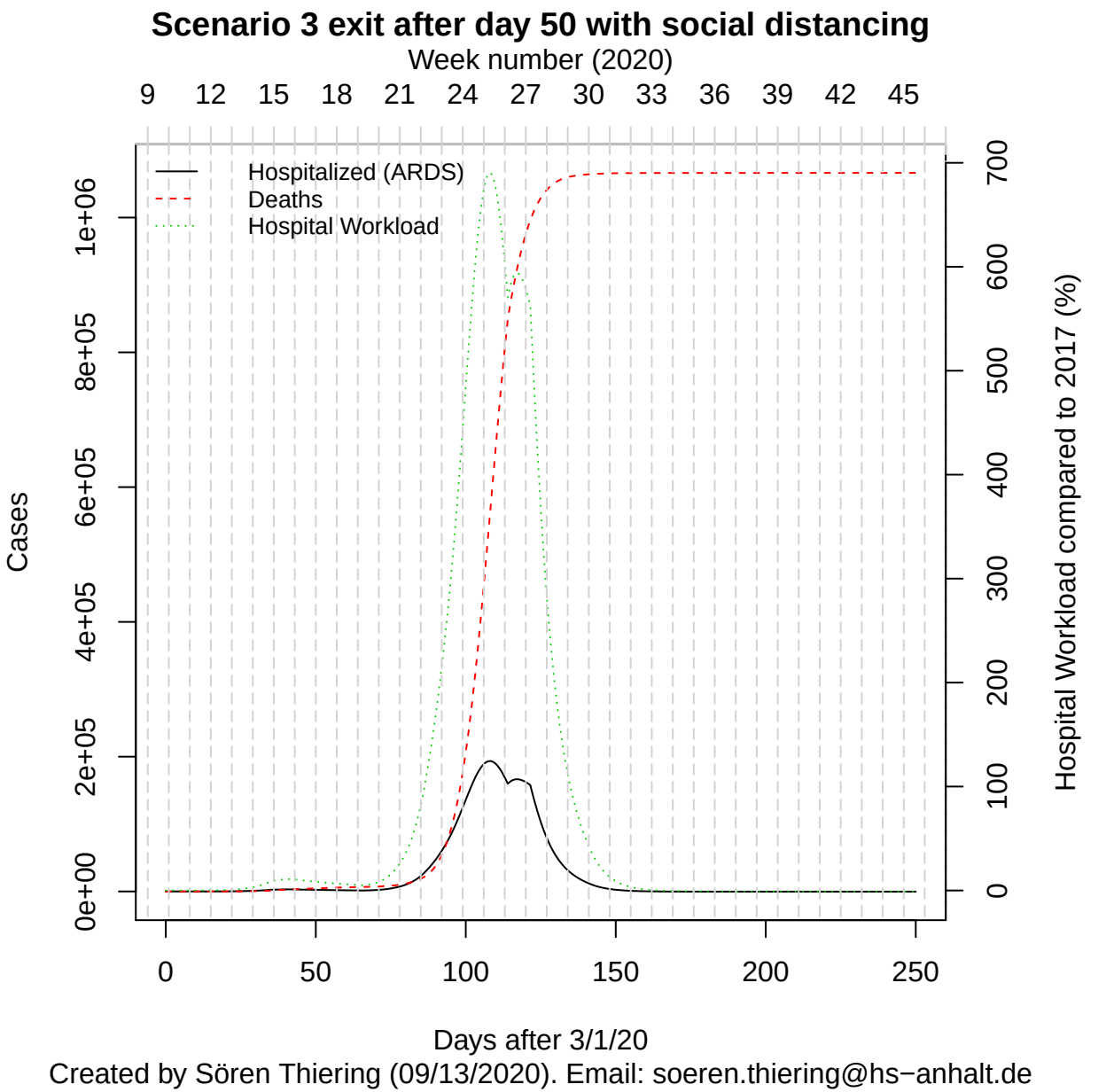

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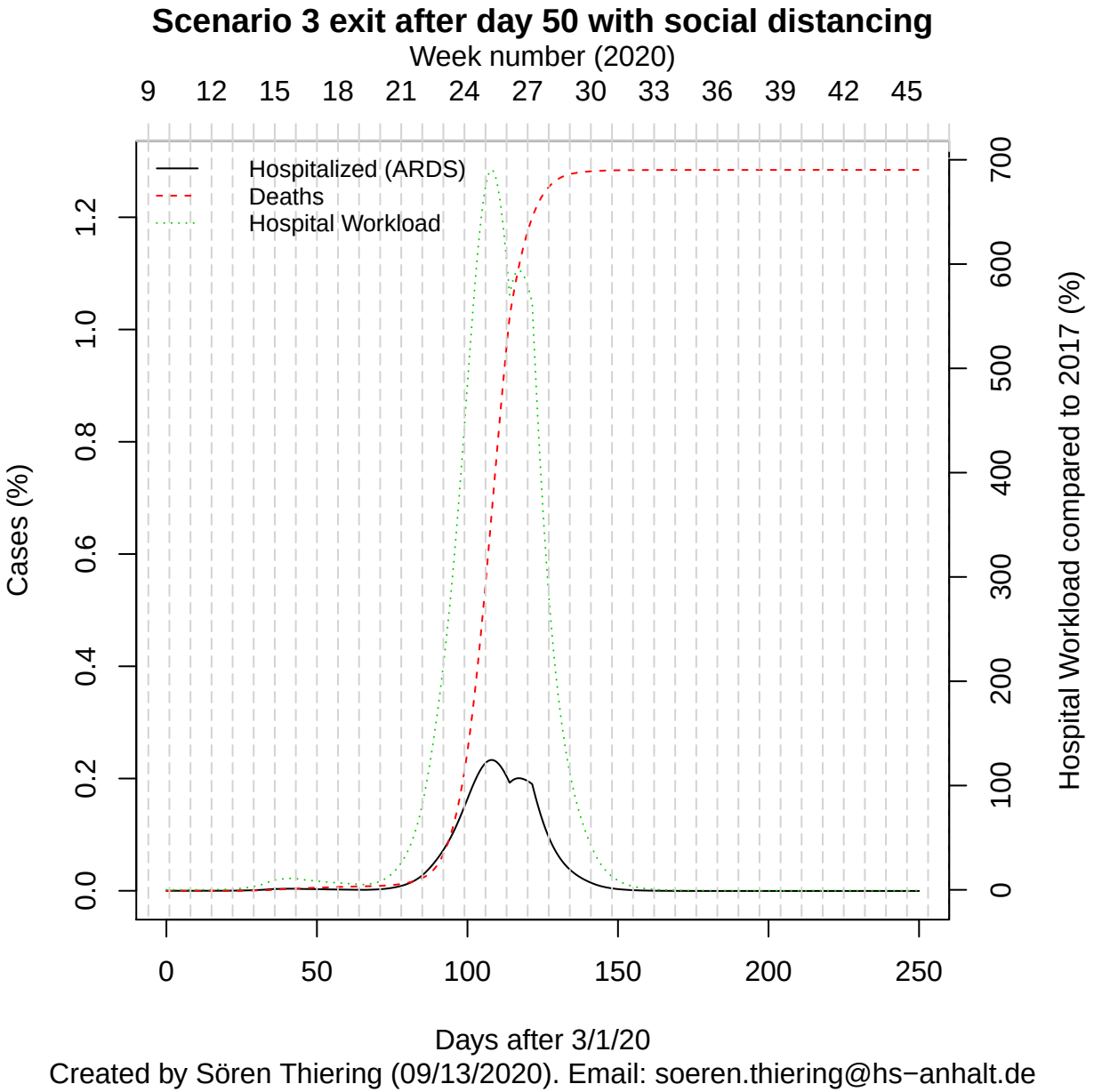

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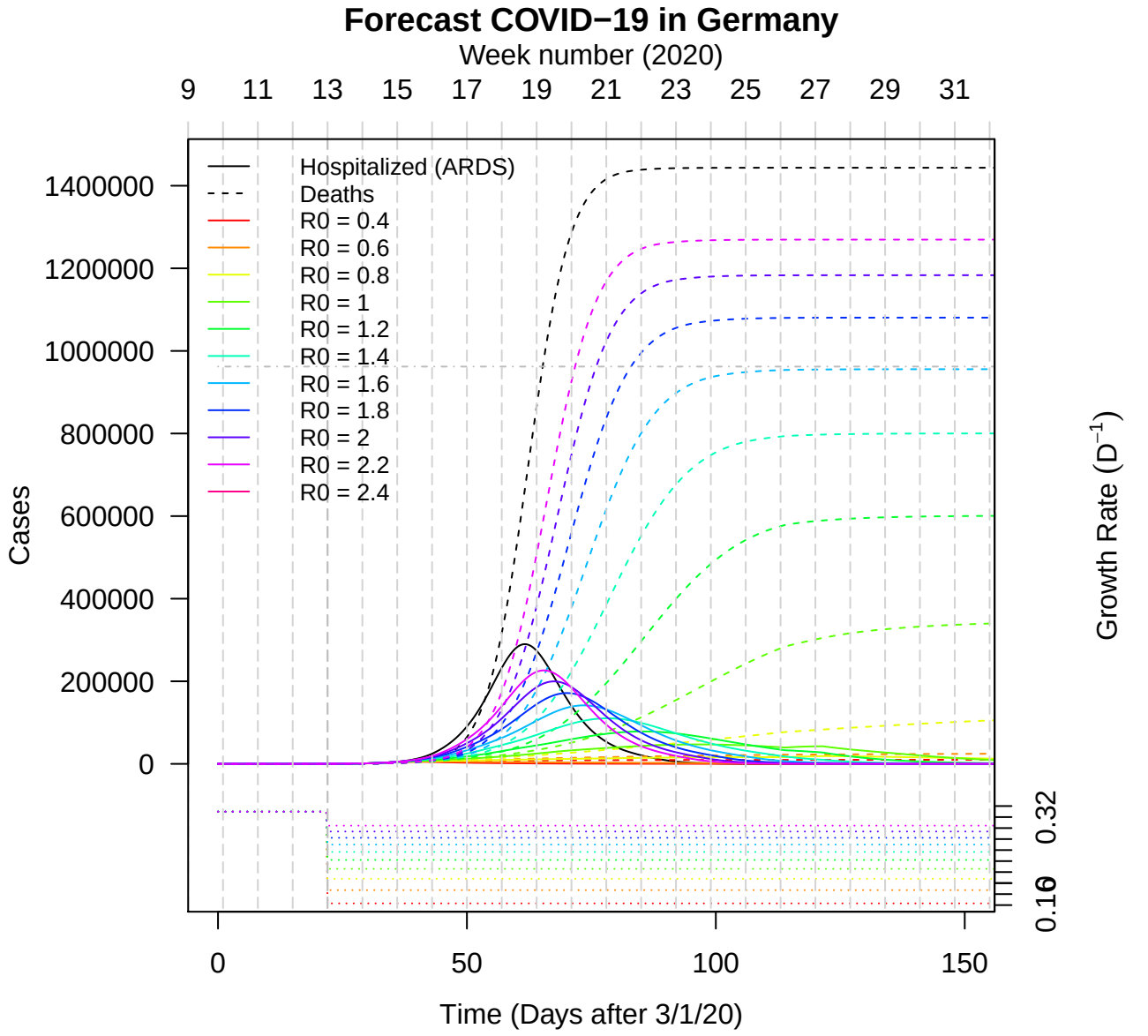

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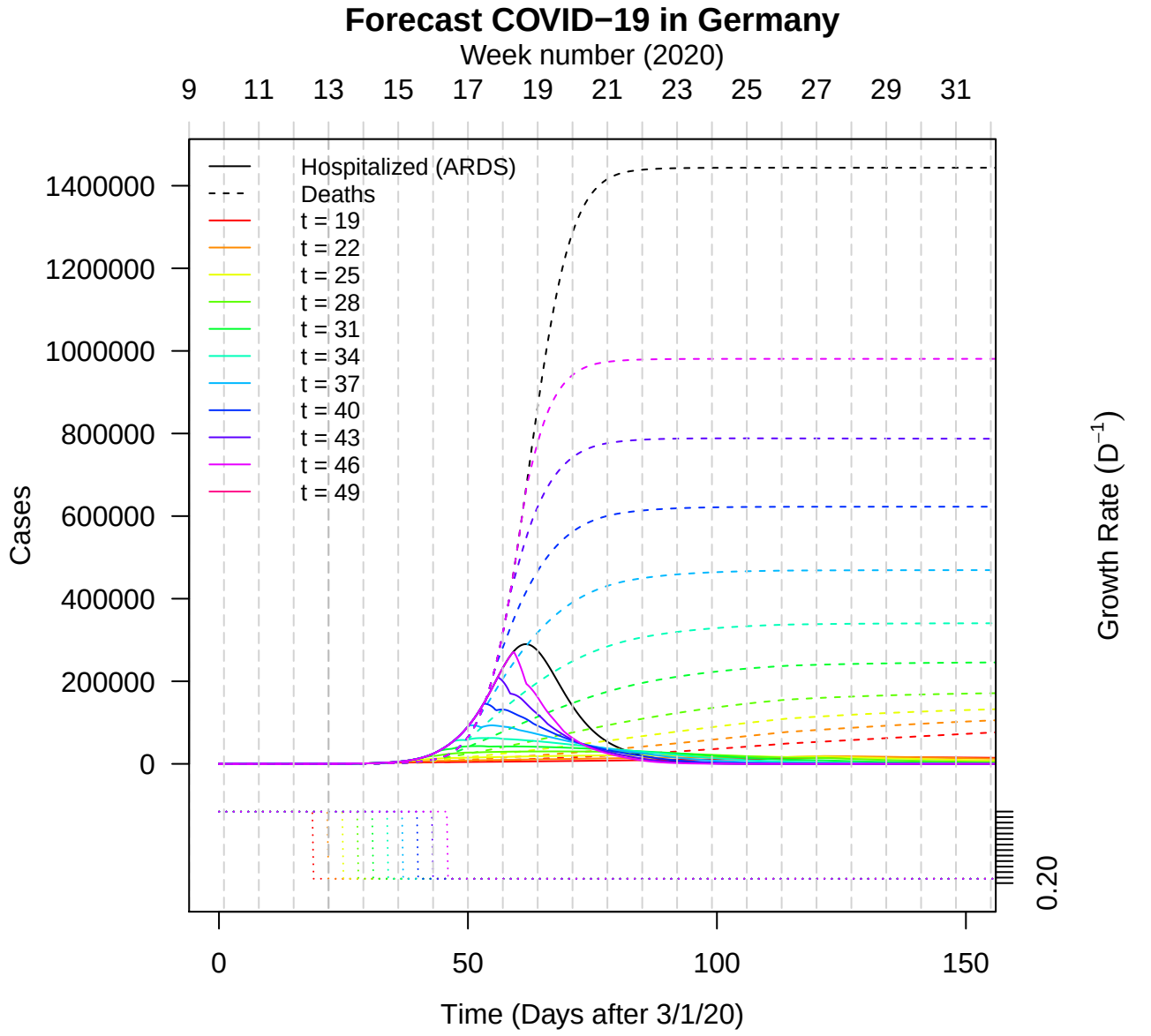

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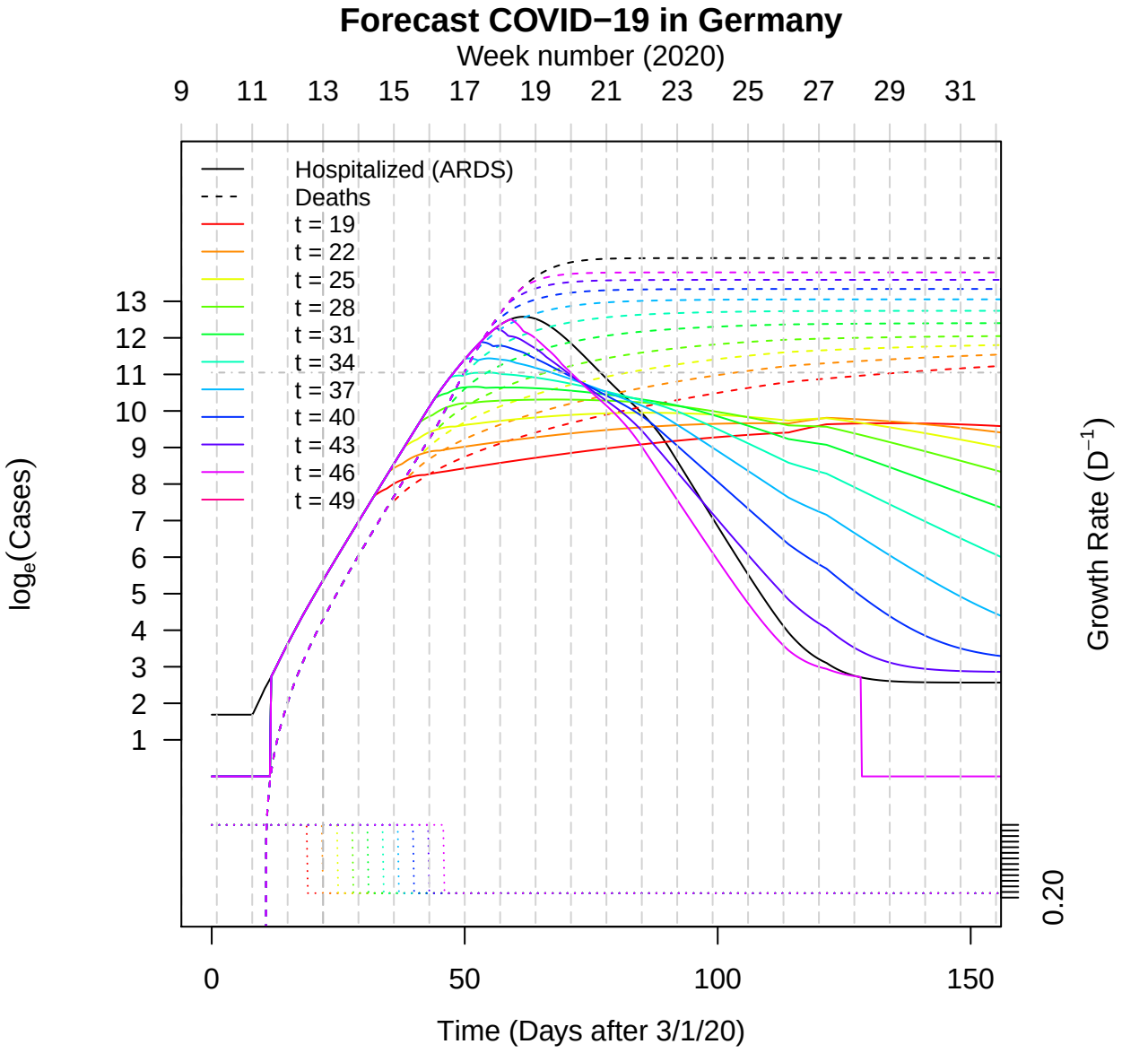

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