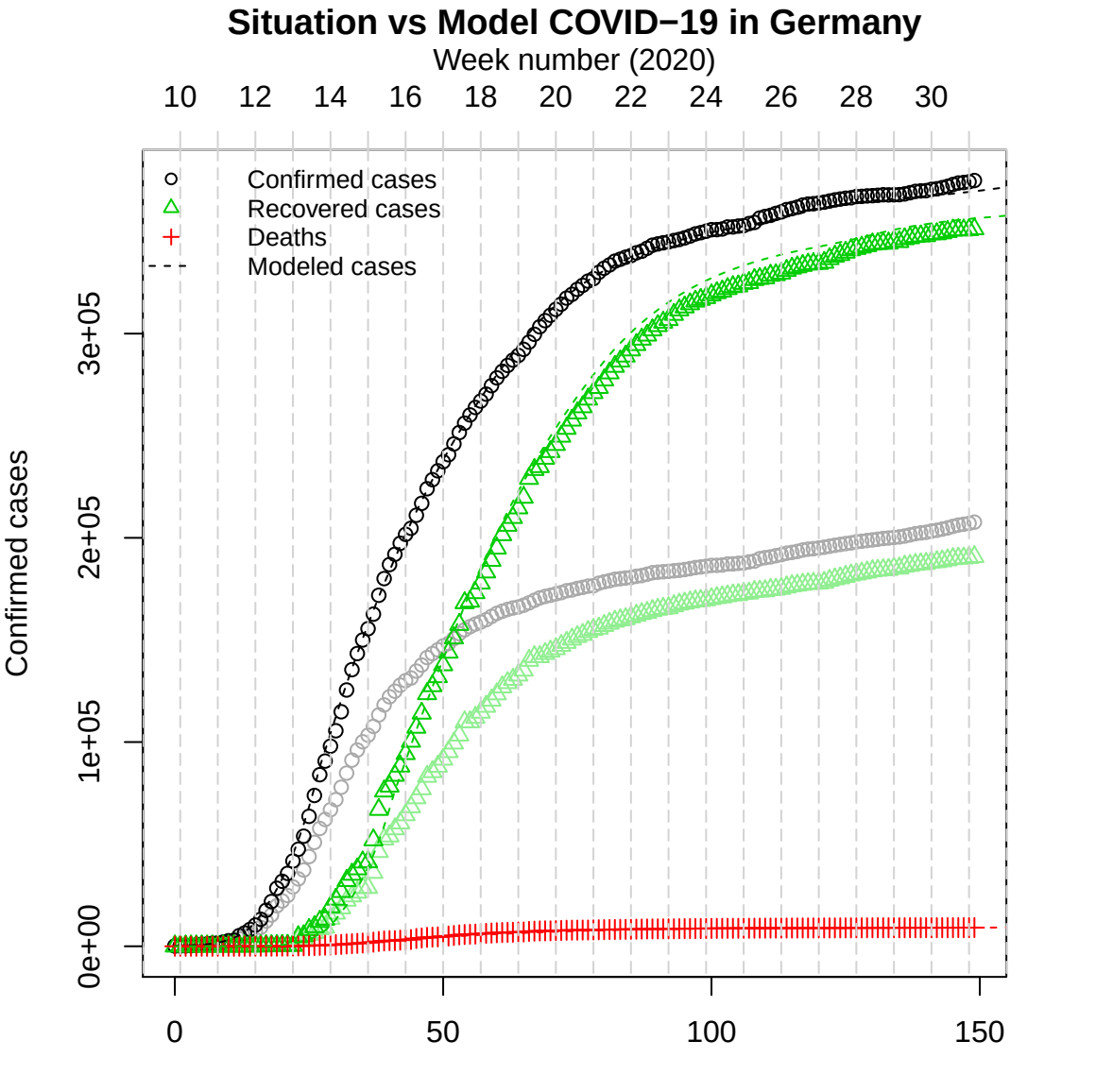
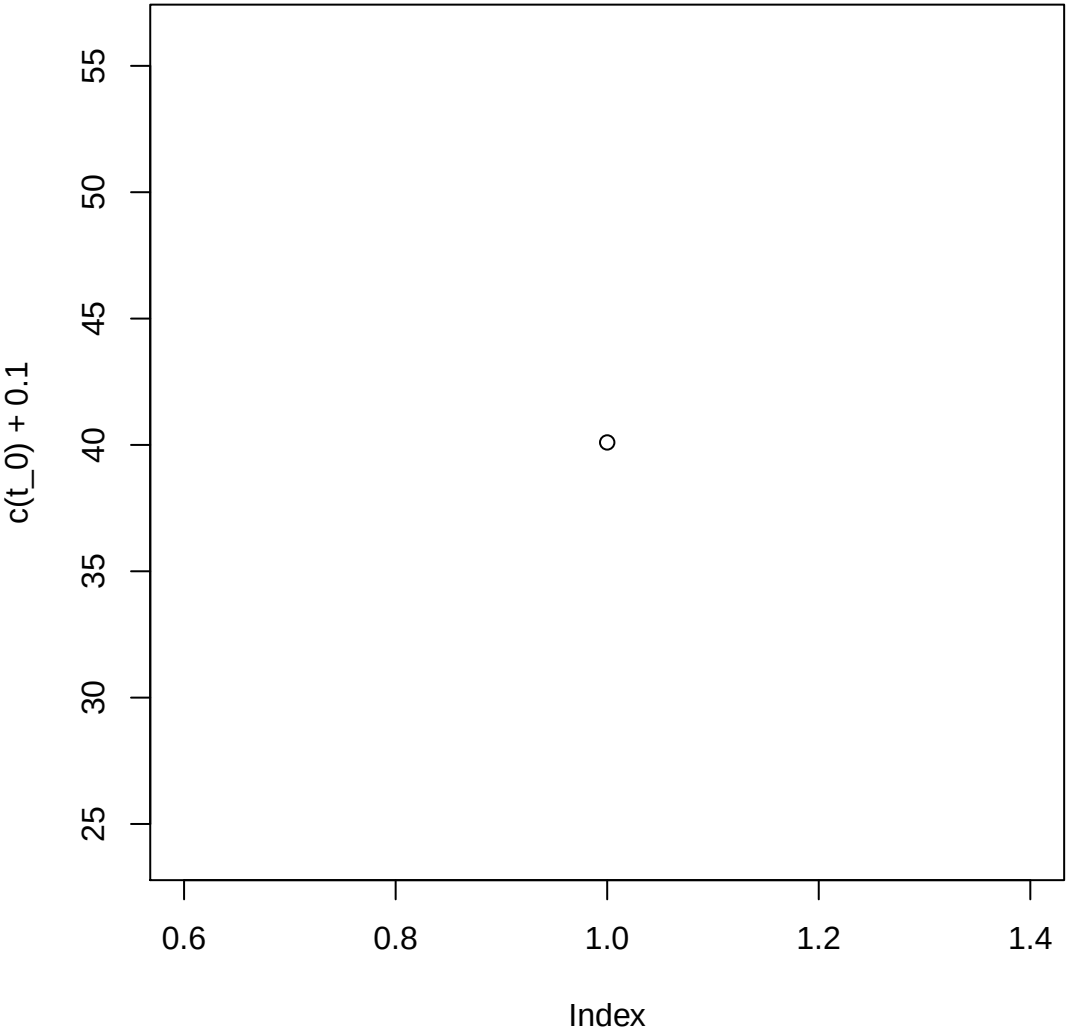
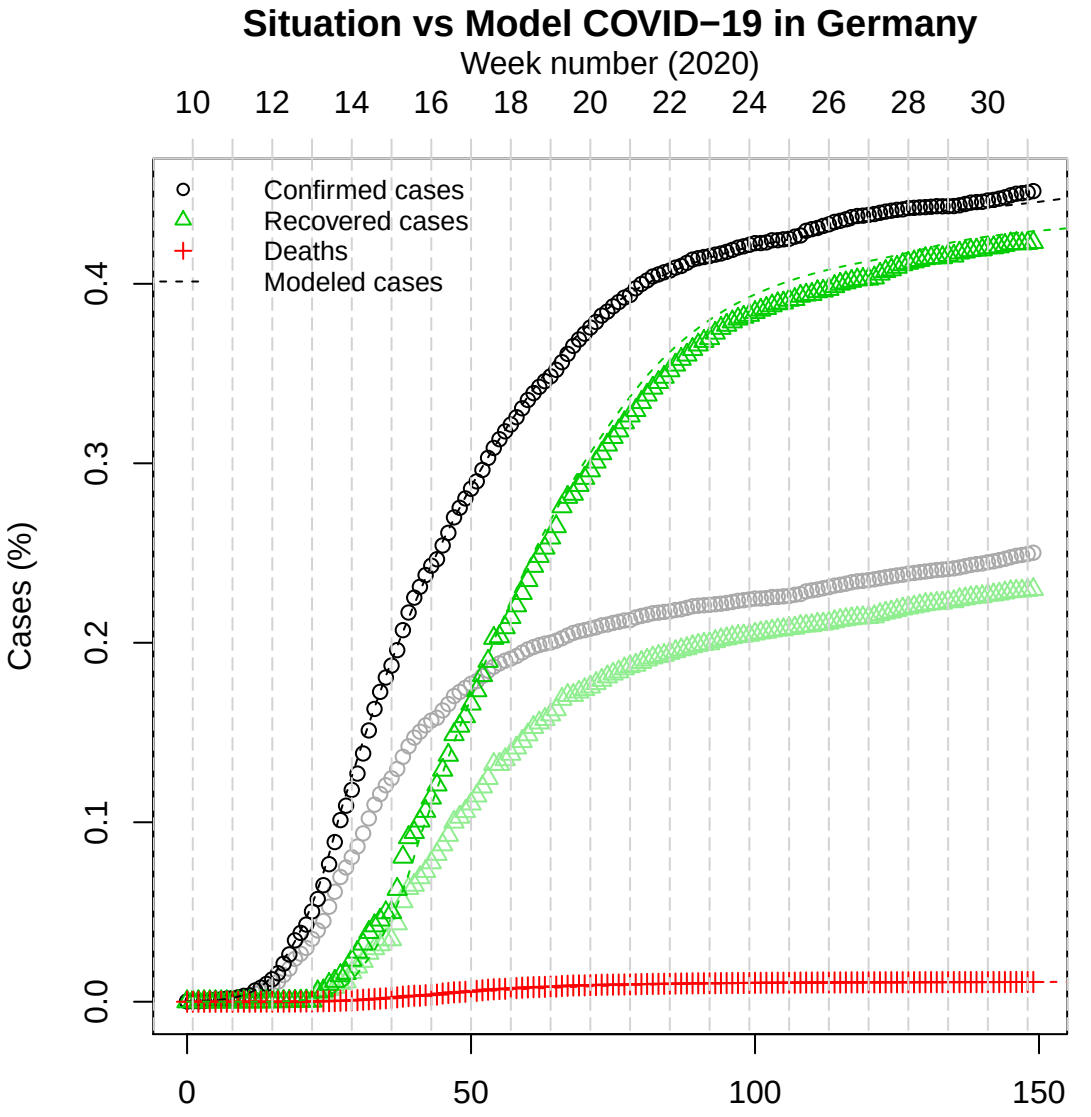

Situation vs Model COVID−19 in Germany
Week number (2020)
10
12
14
16
18
20
22
24
26
28
30
Confirmed cases
Recovered cases
Deaths
Modeled cases
Confirmed cases
0e+00
1e+05
2e+05
3e+05
0
50
100
150
Days after 3/1/20
Created by Sören Thiering (07/30/2020). Email: soeren.thiering@hs−anhalt.de


c(t_0) + 0.1
25
30
35
40
45
50
55
0.6
0.8
1.0
1.2
1.4
Index



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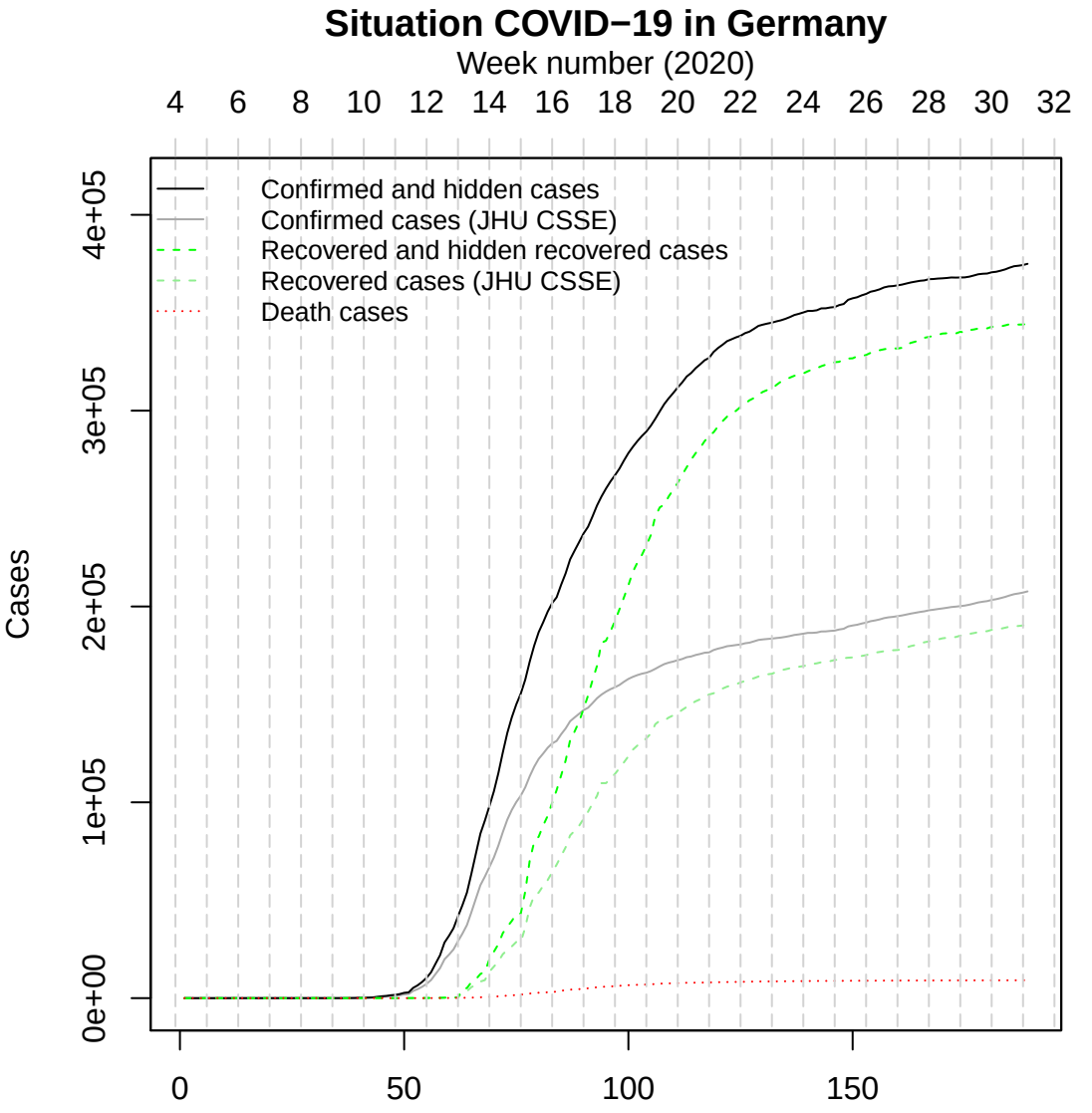

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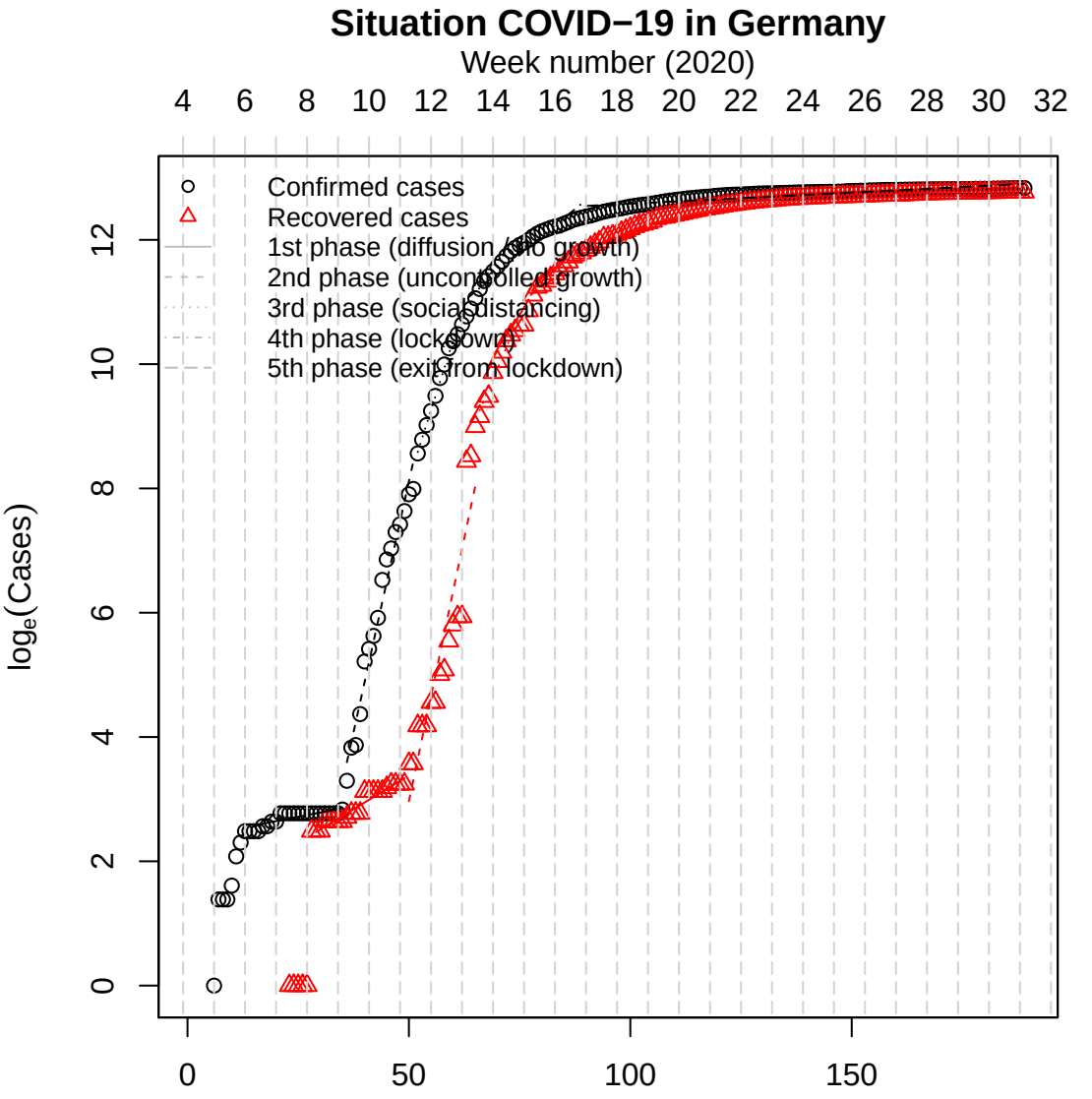

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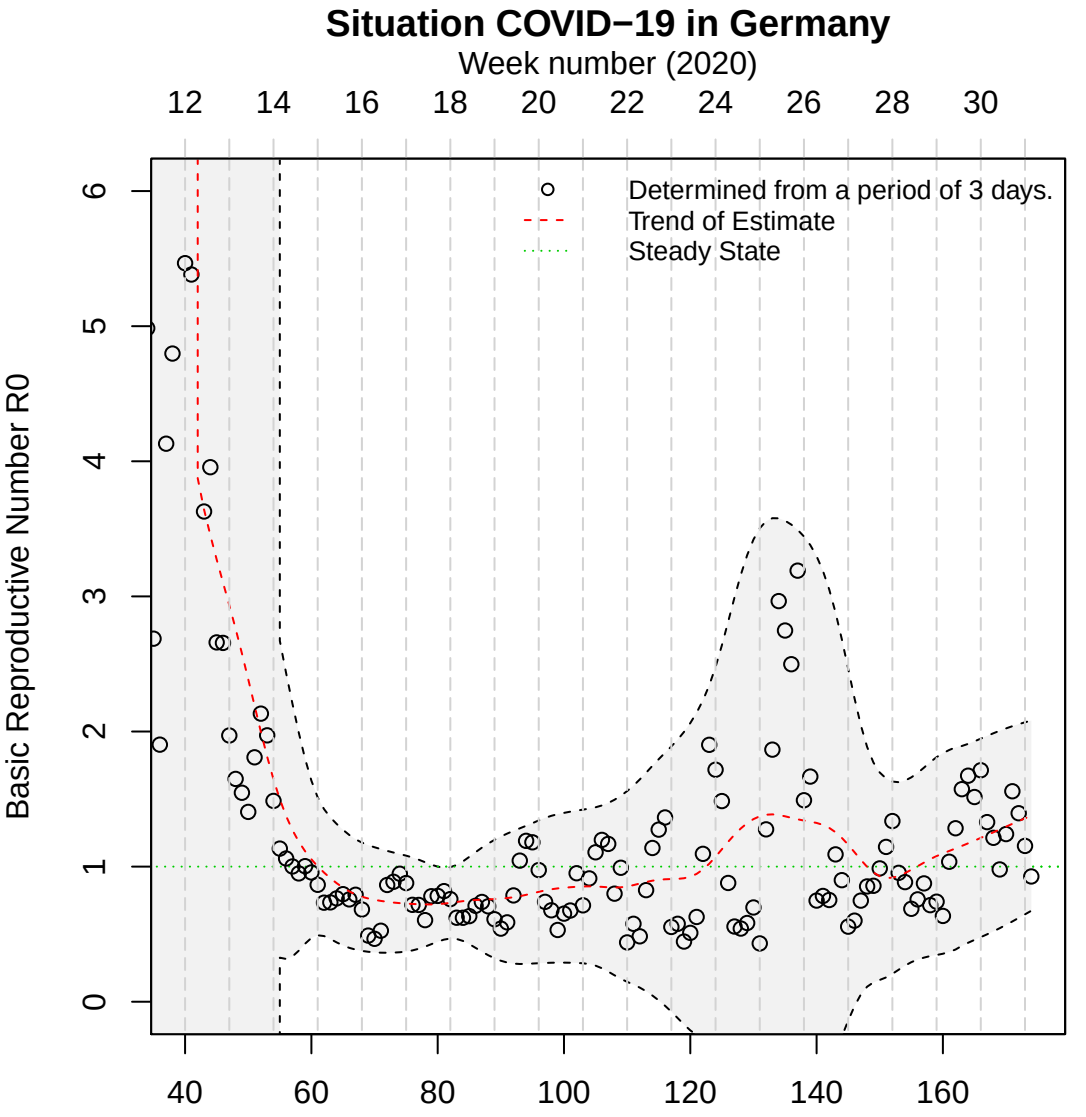

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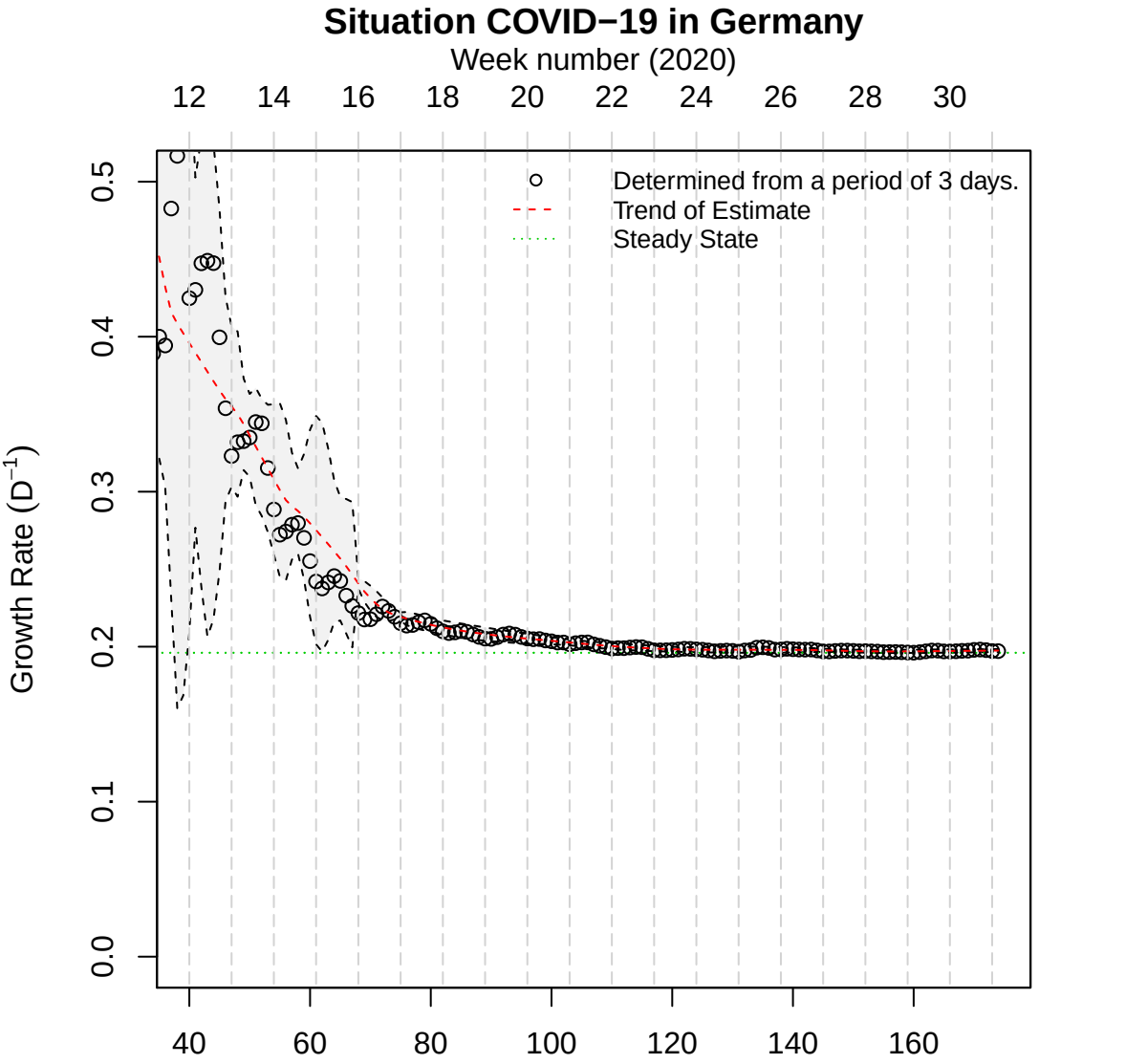

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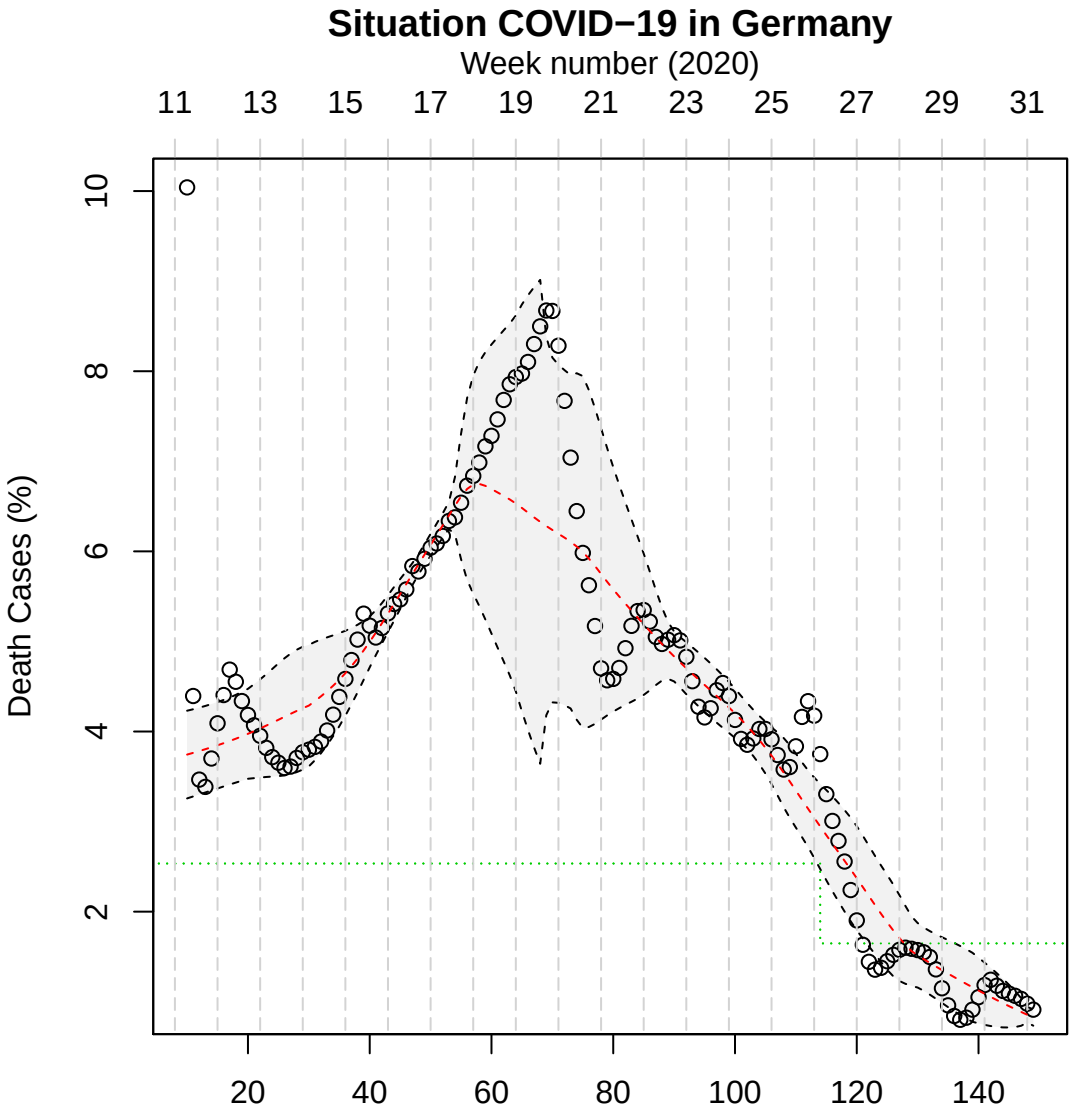

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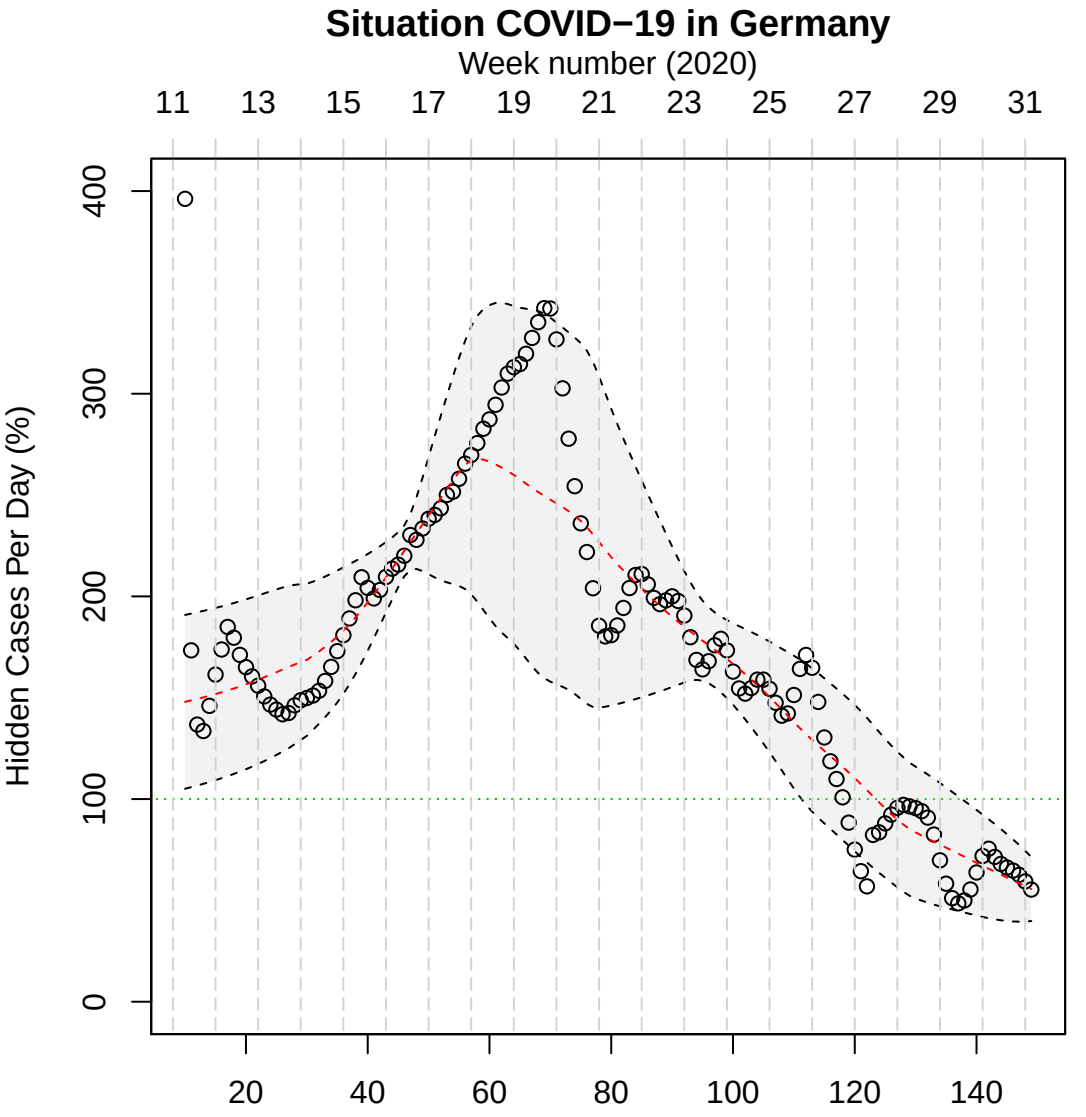

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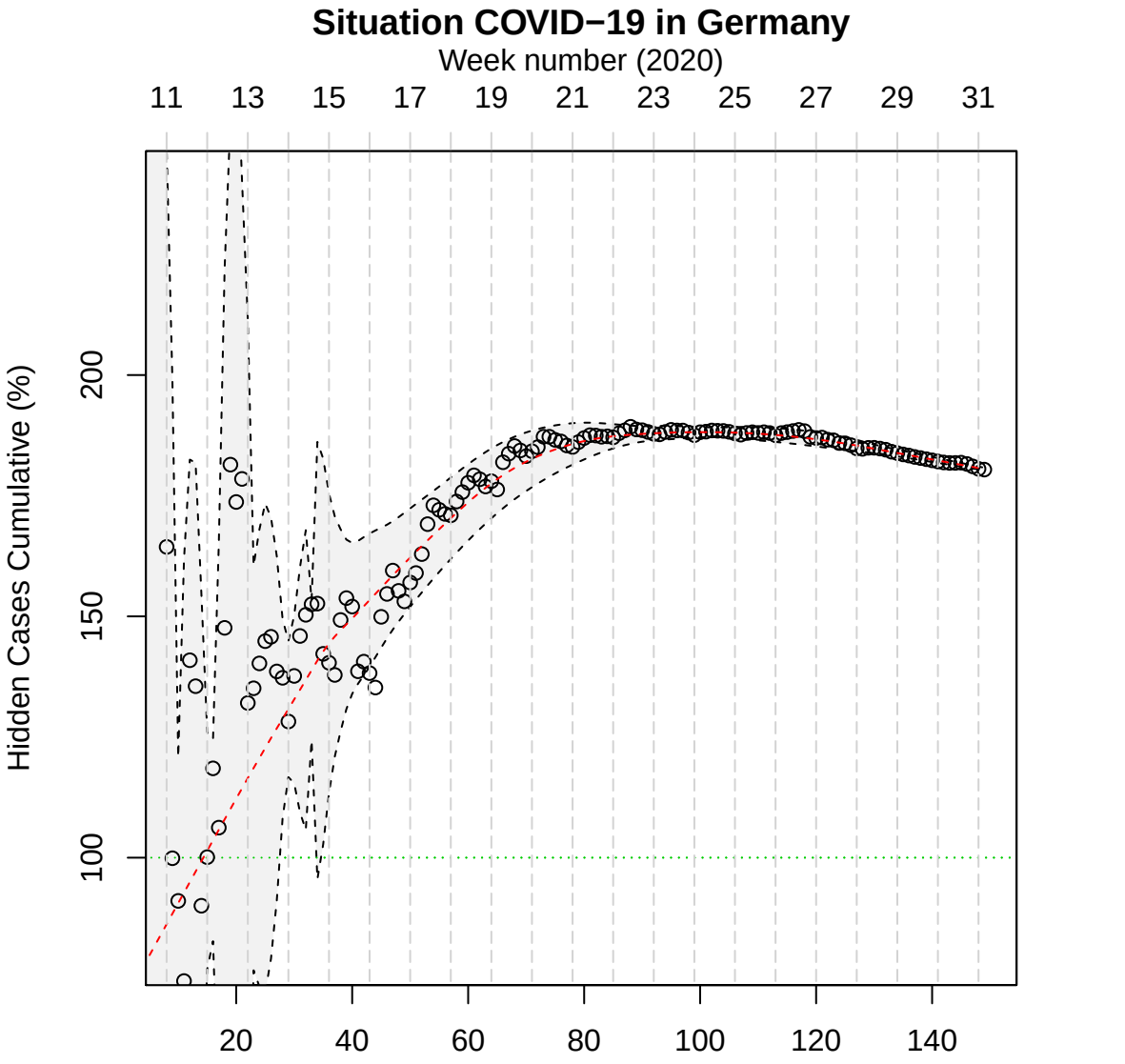
Situation COVID−19 in Germany
Week number (2020)
11
13
15
17
19
21
23
25
27
29
31
Hidden Cases Cumulative (%)
100
150
200
20
40
60
80
100
120
140
Days after 3/1/20
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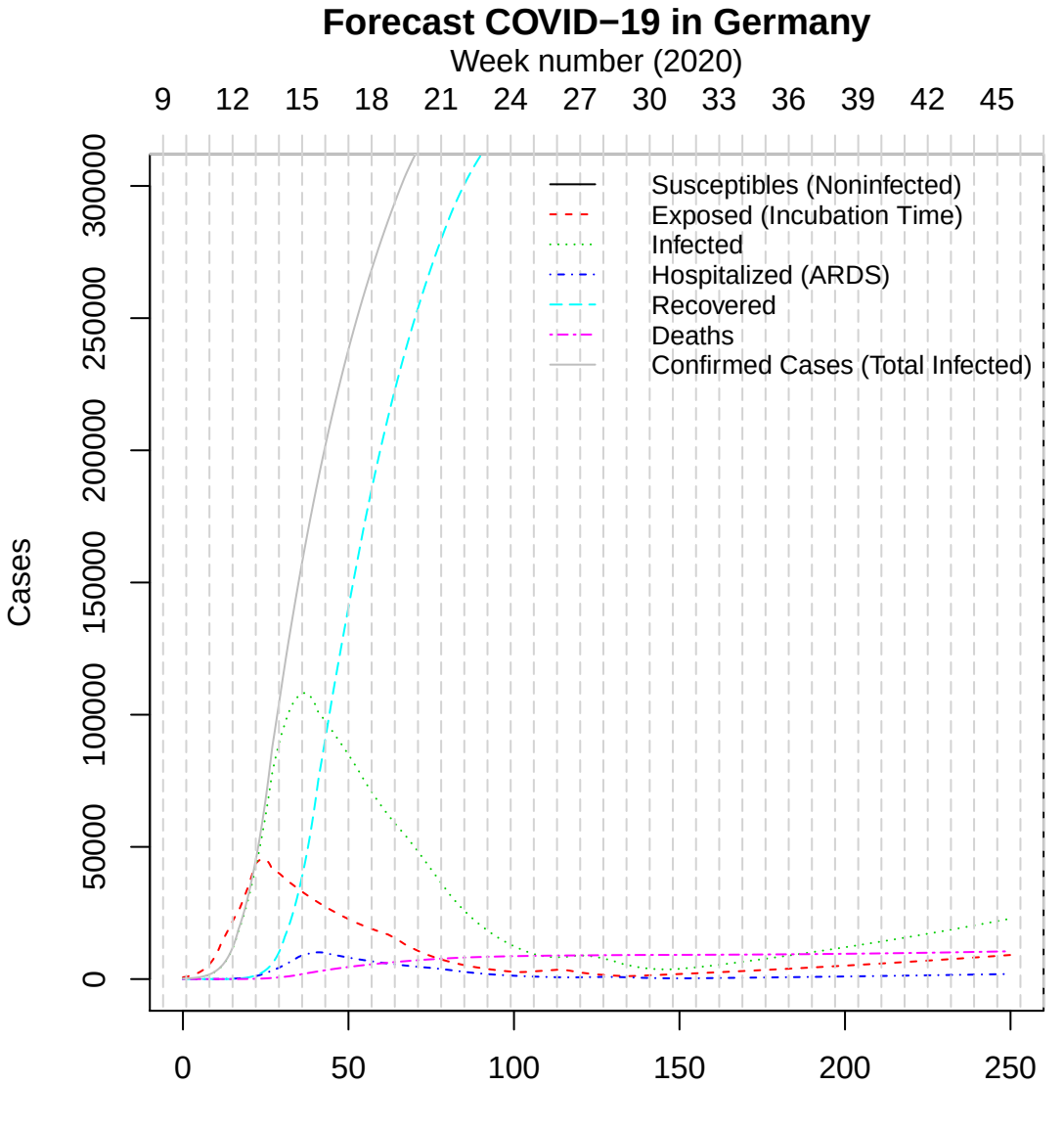

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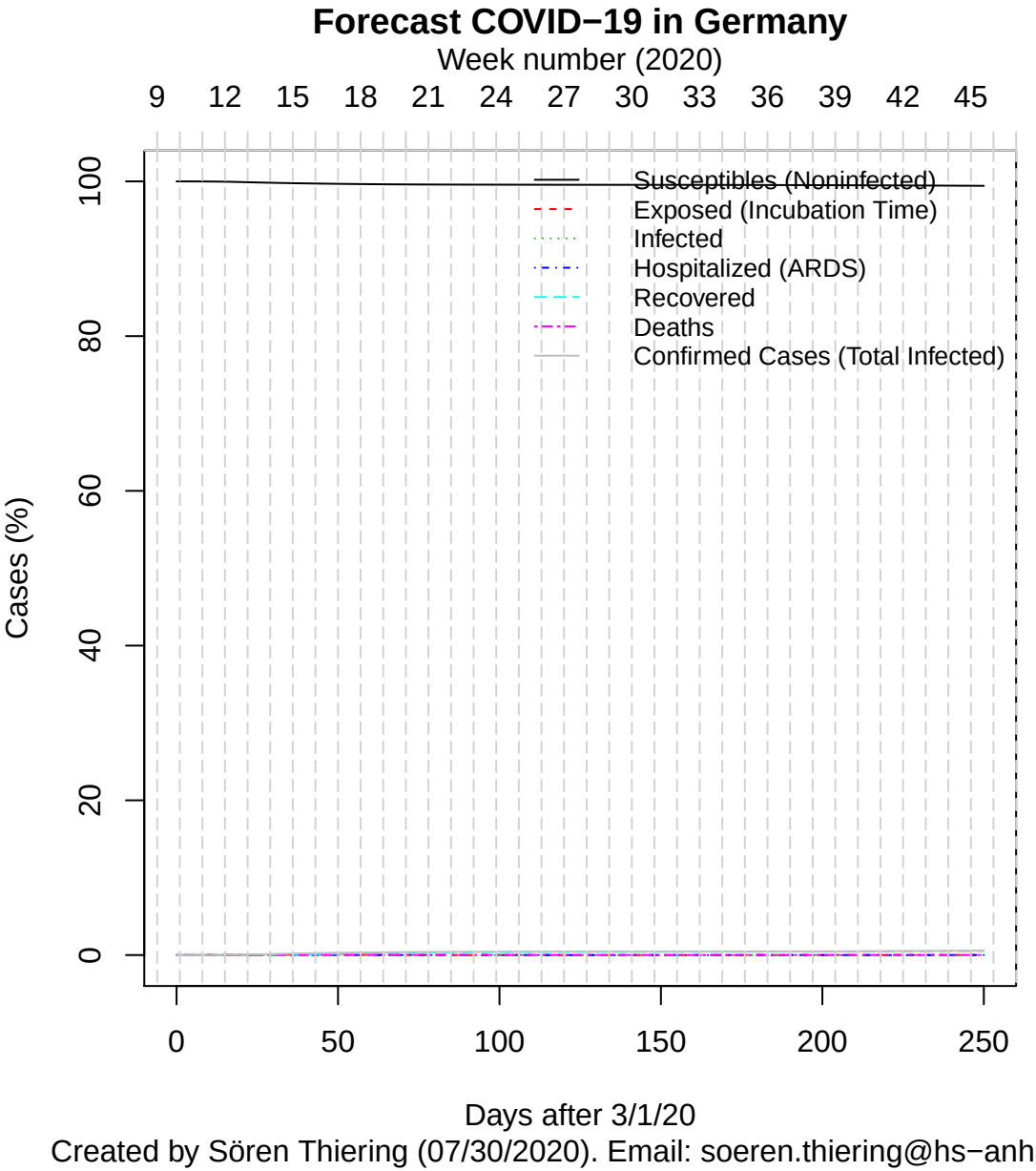
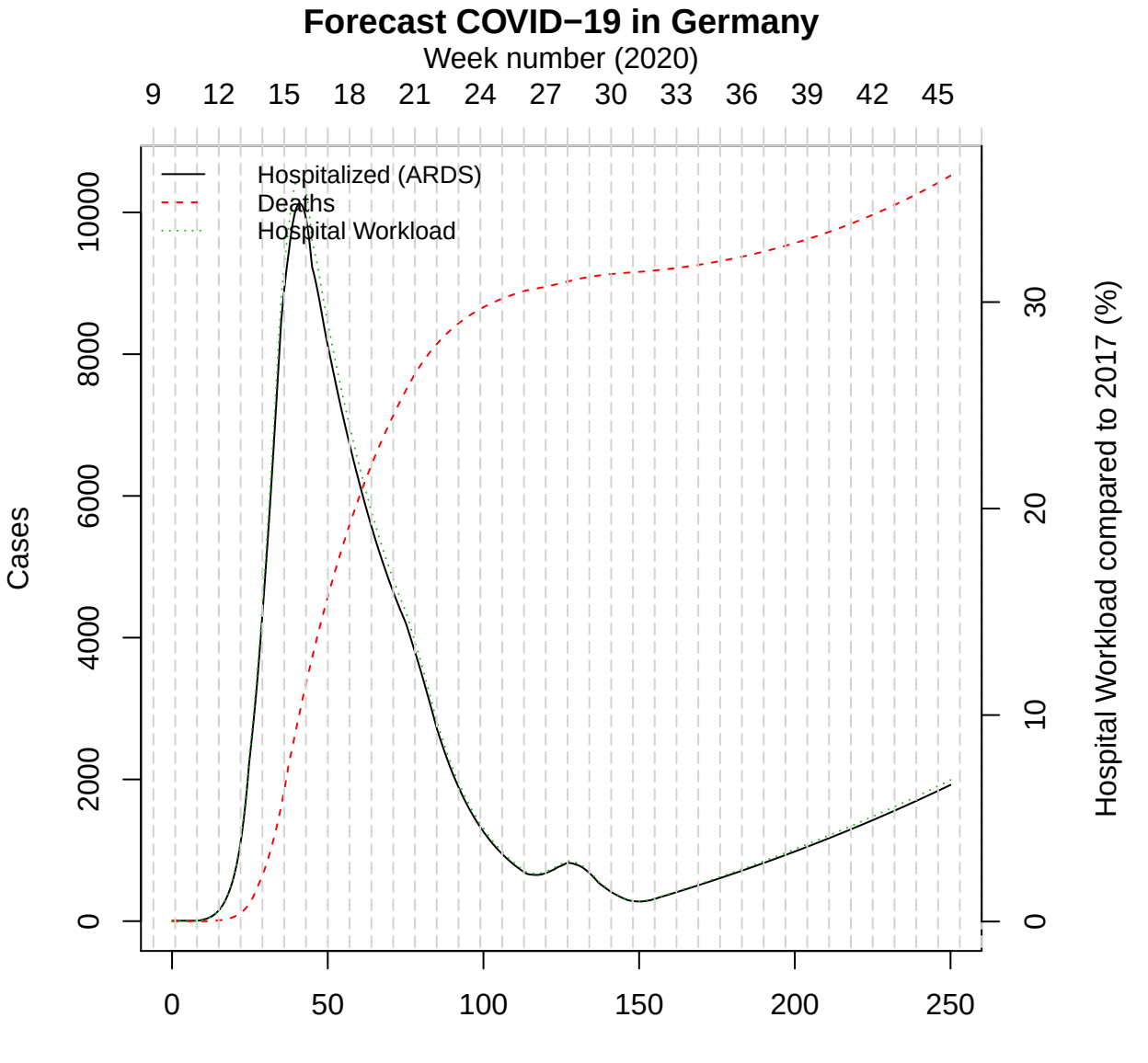

Forecast COVID−19 in Germany
Week number (2020)
9
12
15
18
21
24
27
30
33
36
39
42
45
Susceptibles (Noninfected)
Exposed (Incubation Time)
Infected
Hospitalized (ARDS)
Recovered
Deaths
Confirmed Cases (Total Infected)
Cases (%)
0
20
40
60
80
100
0
50
100
150
200
250
Days after 3/1/20
Created by Sören Thiering (07/30/2020). Email: soeren.thiering@hs−anhalt.de



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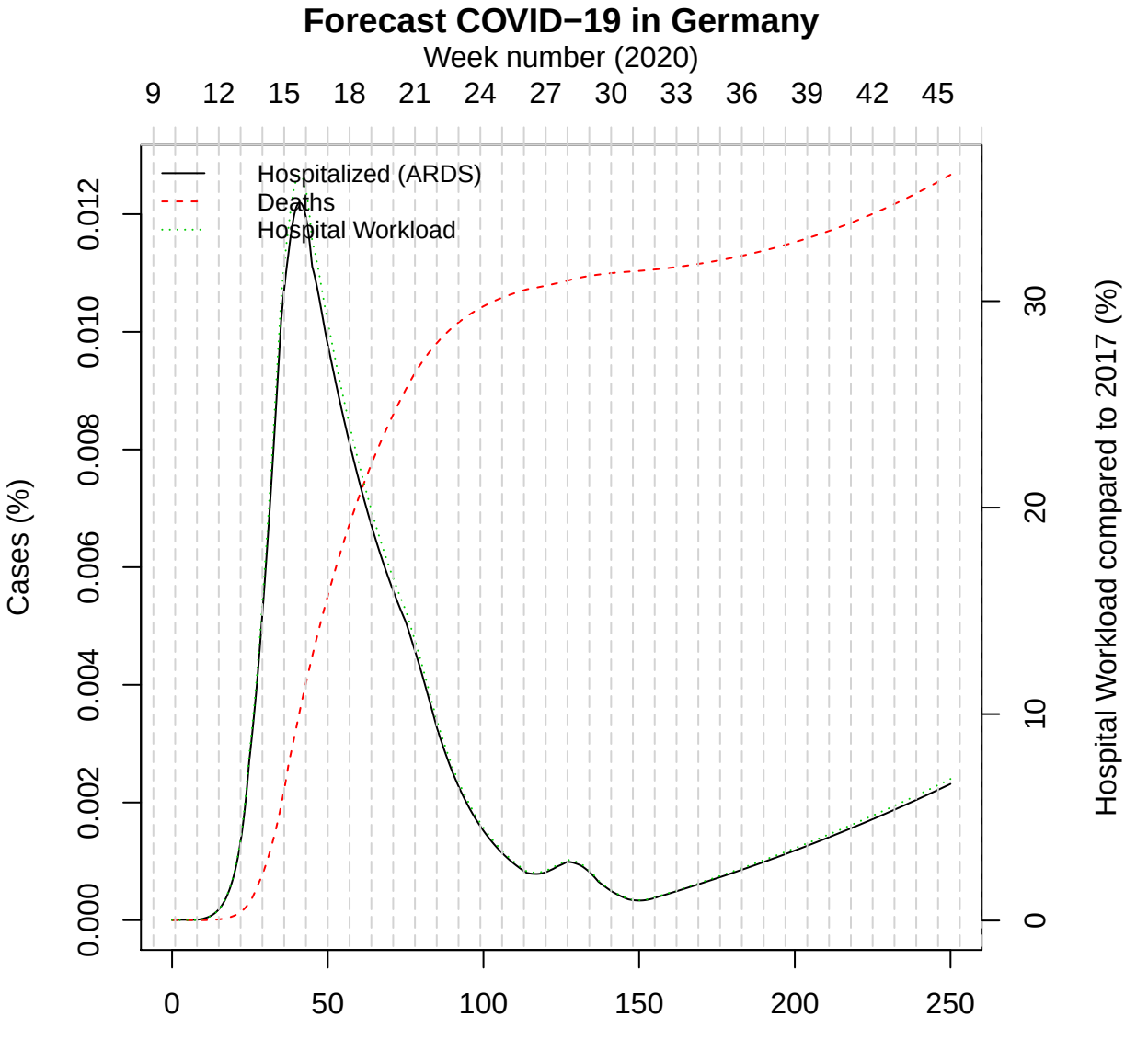
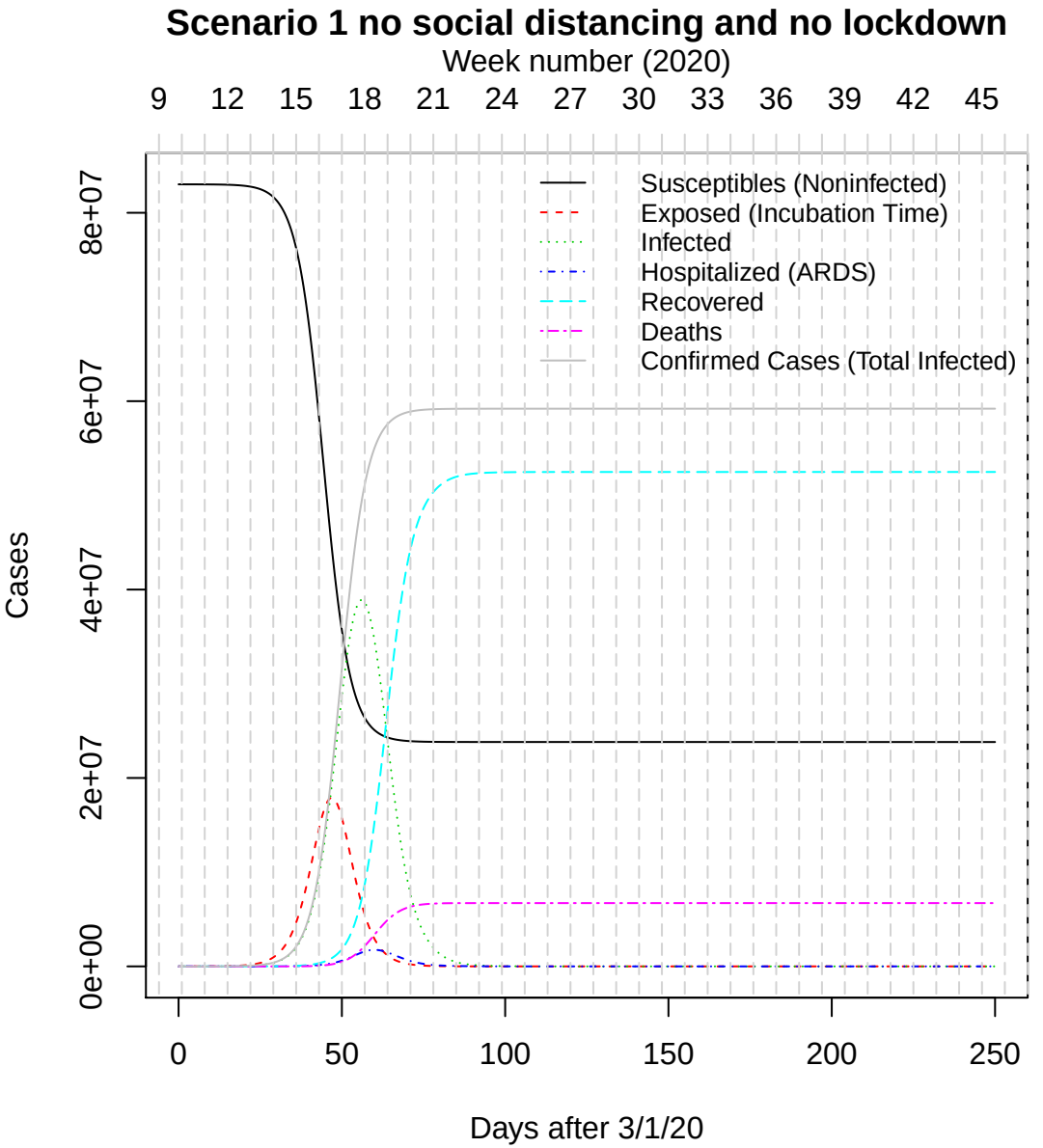

Forecast COVID−19 in Germany
Week number (2020)
9
12
15
18
21
24
27
30
33
36
39
42
45
Hospitalized (ARDS)
Deaths
Hospital Workload
Cases (%)
0.000
0.002
0.004
0.006
0.008
0.010
0.012
Hospital Workload compared to 2017 (%)
0
10
20
30
0
50
100
150
200
250
Days after 3/1/20
Created by Sören Thiering (07/30/2020). Email: soeren.thiering@hs−anhalt.de



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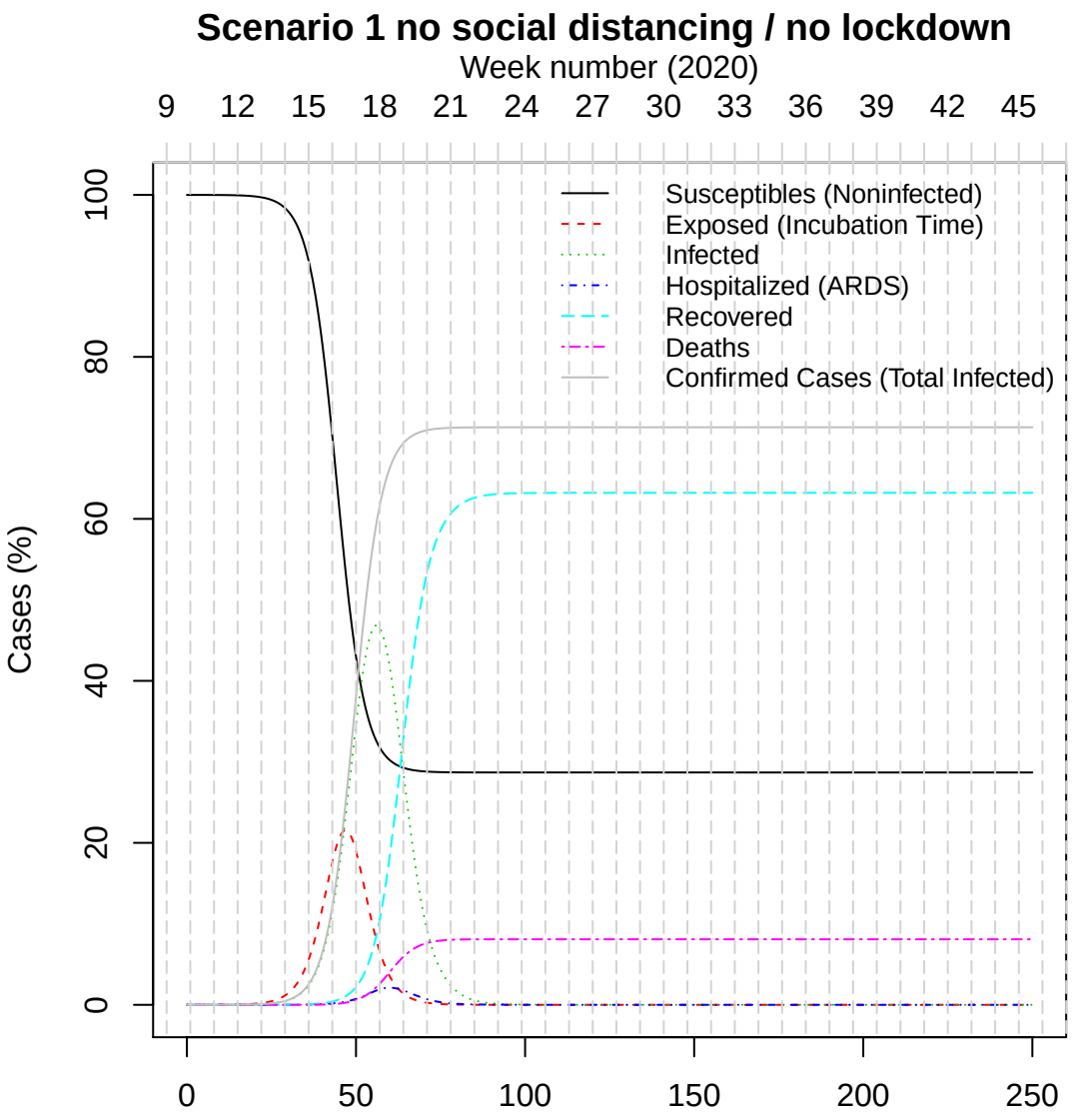

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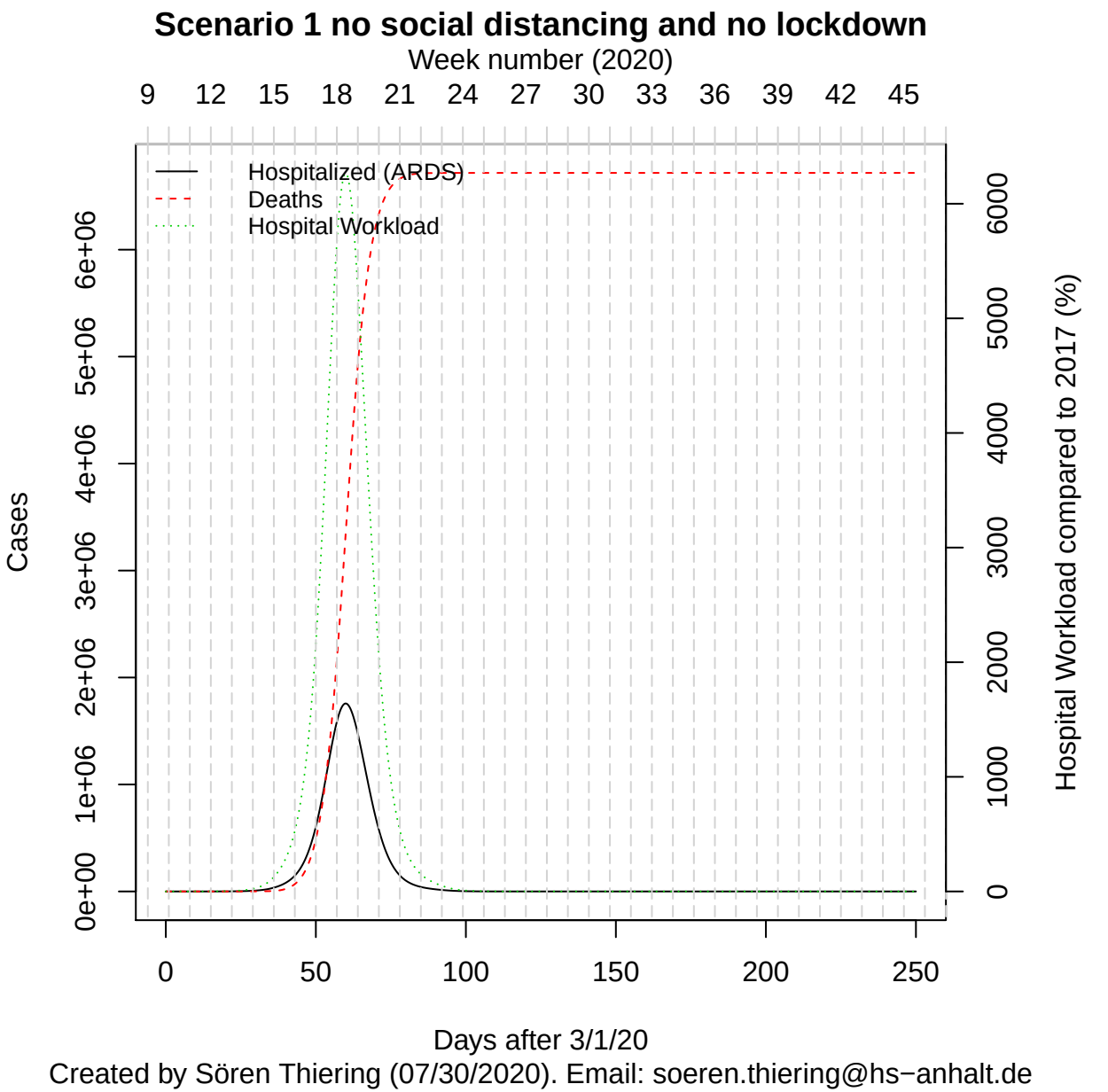

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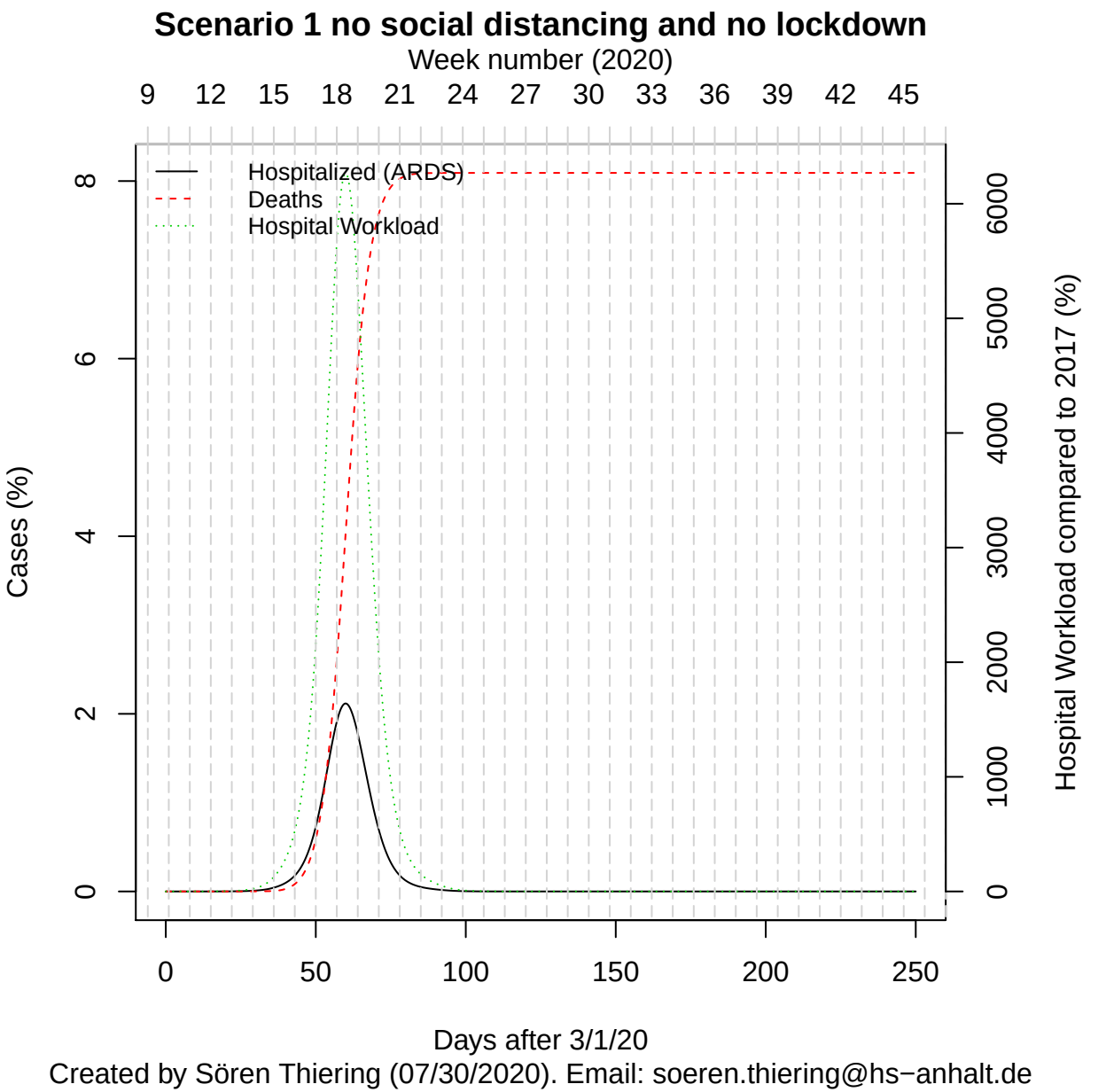

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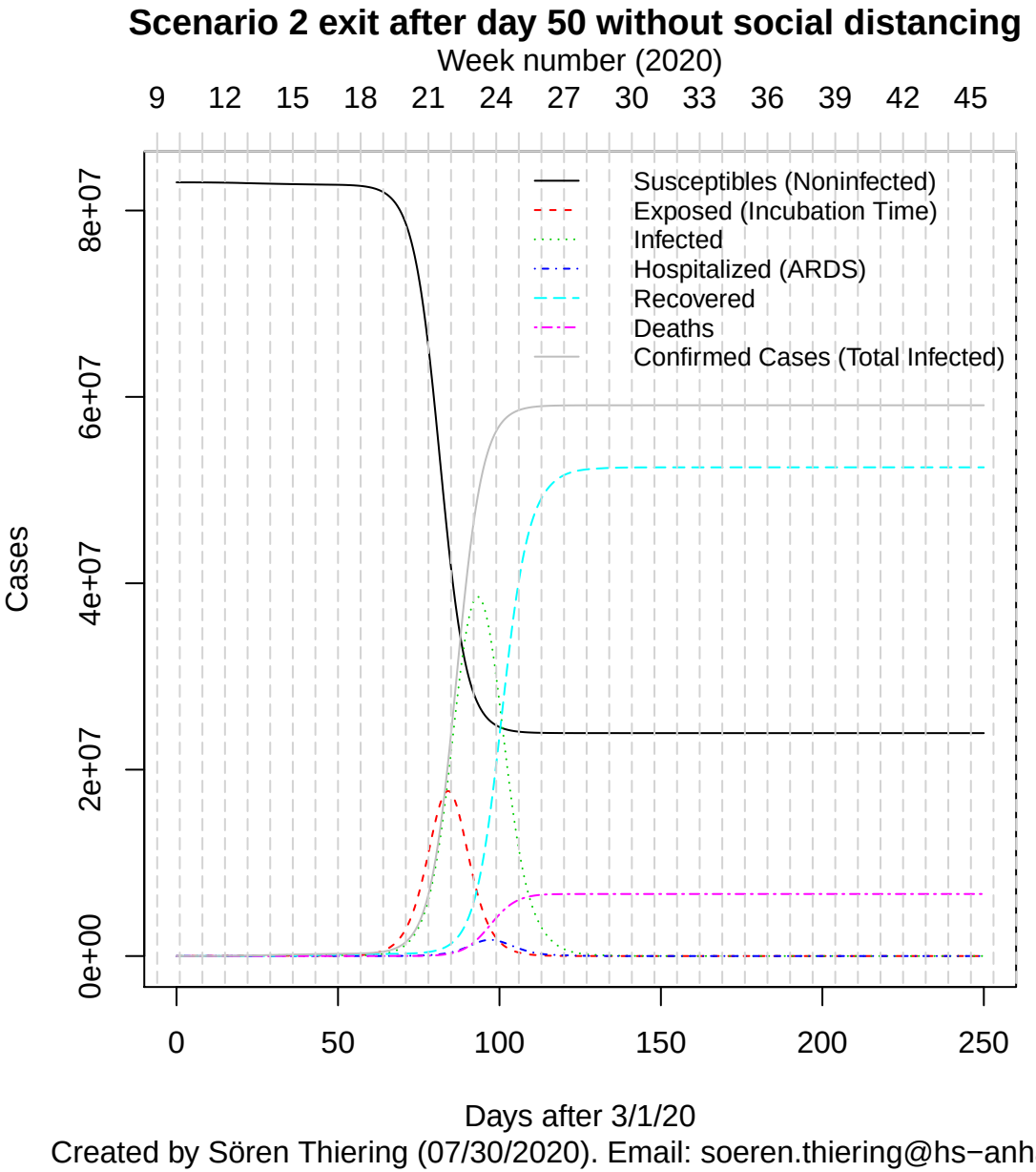

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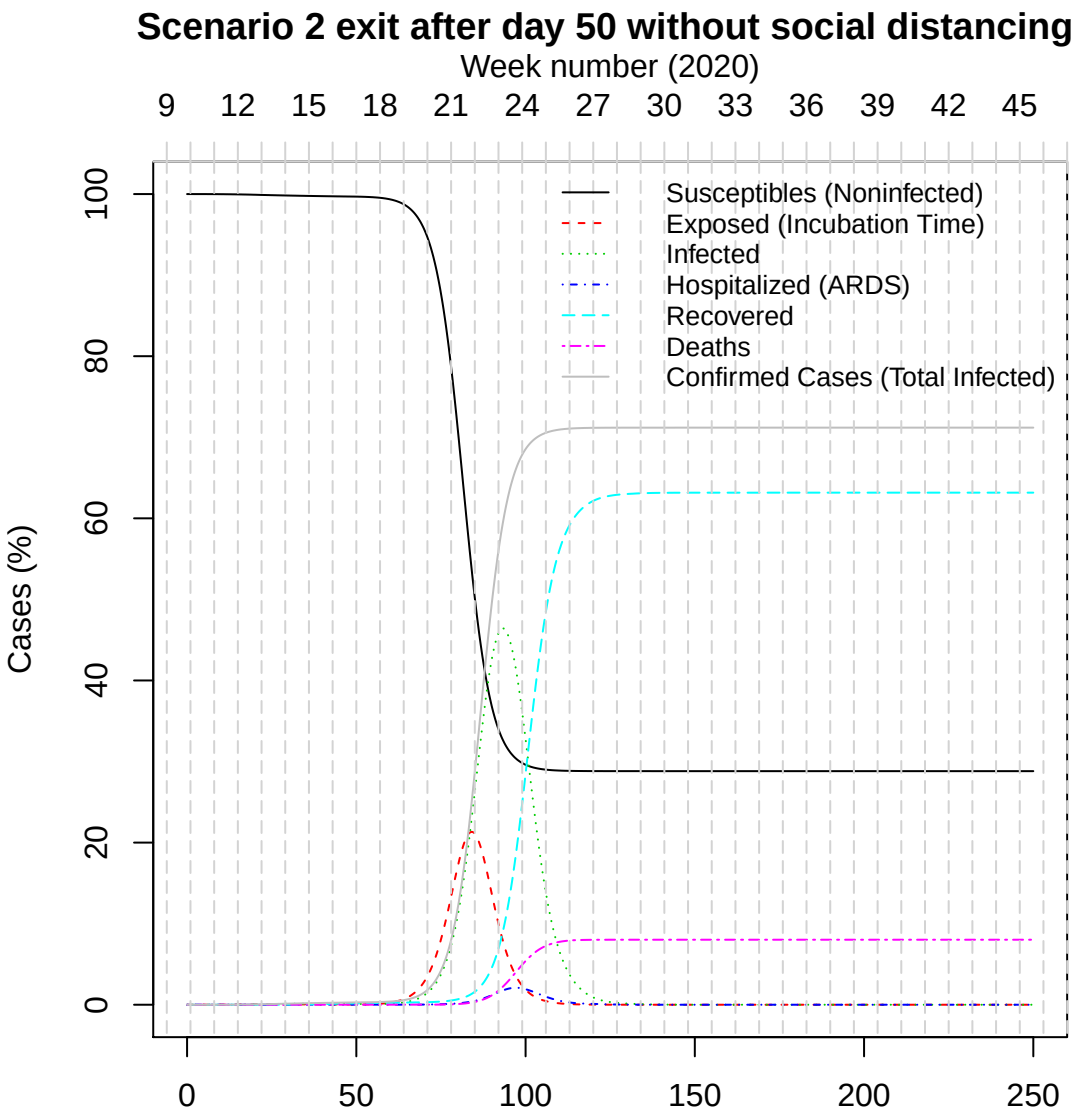

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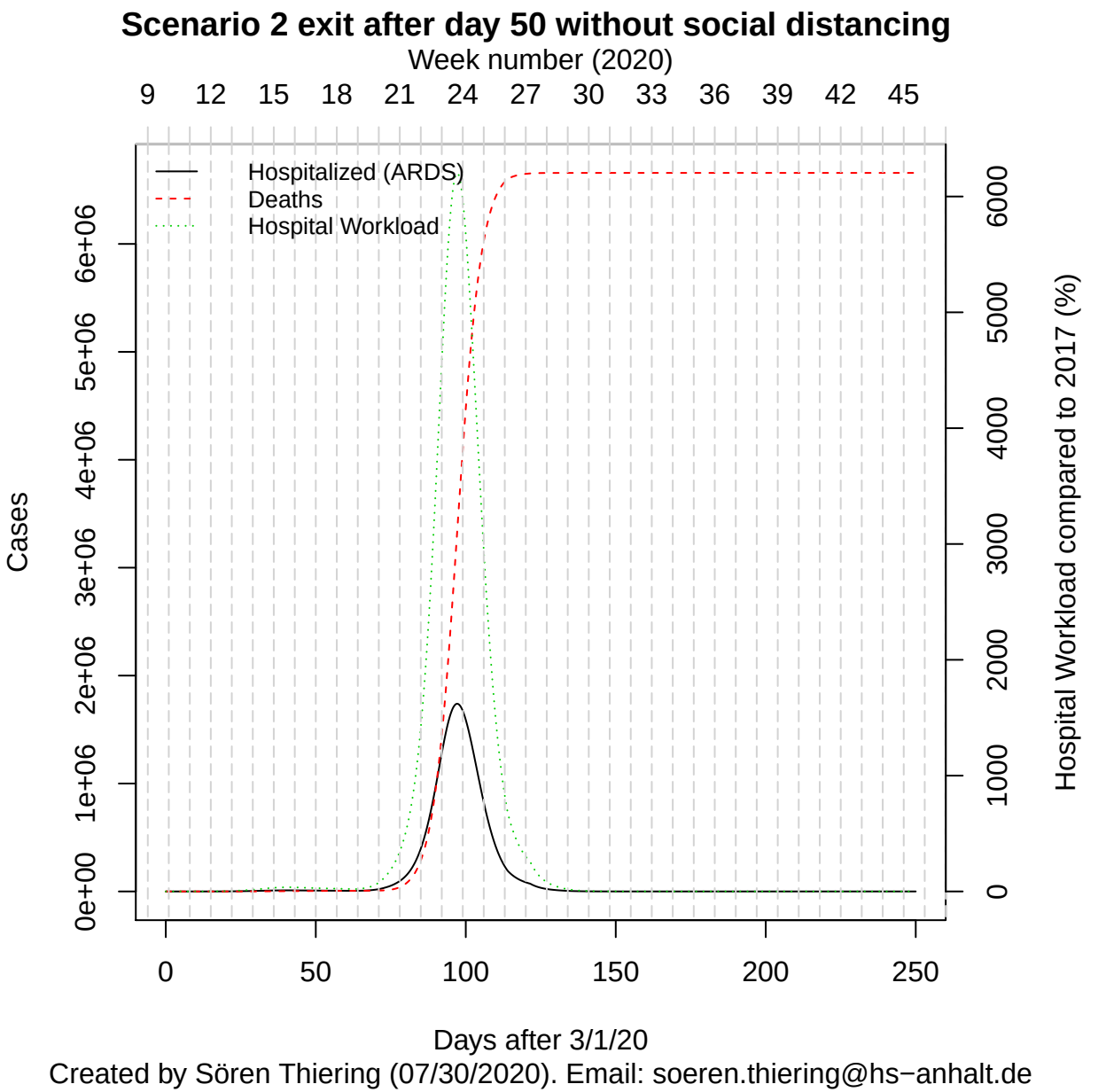

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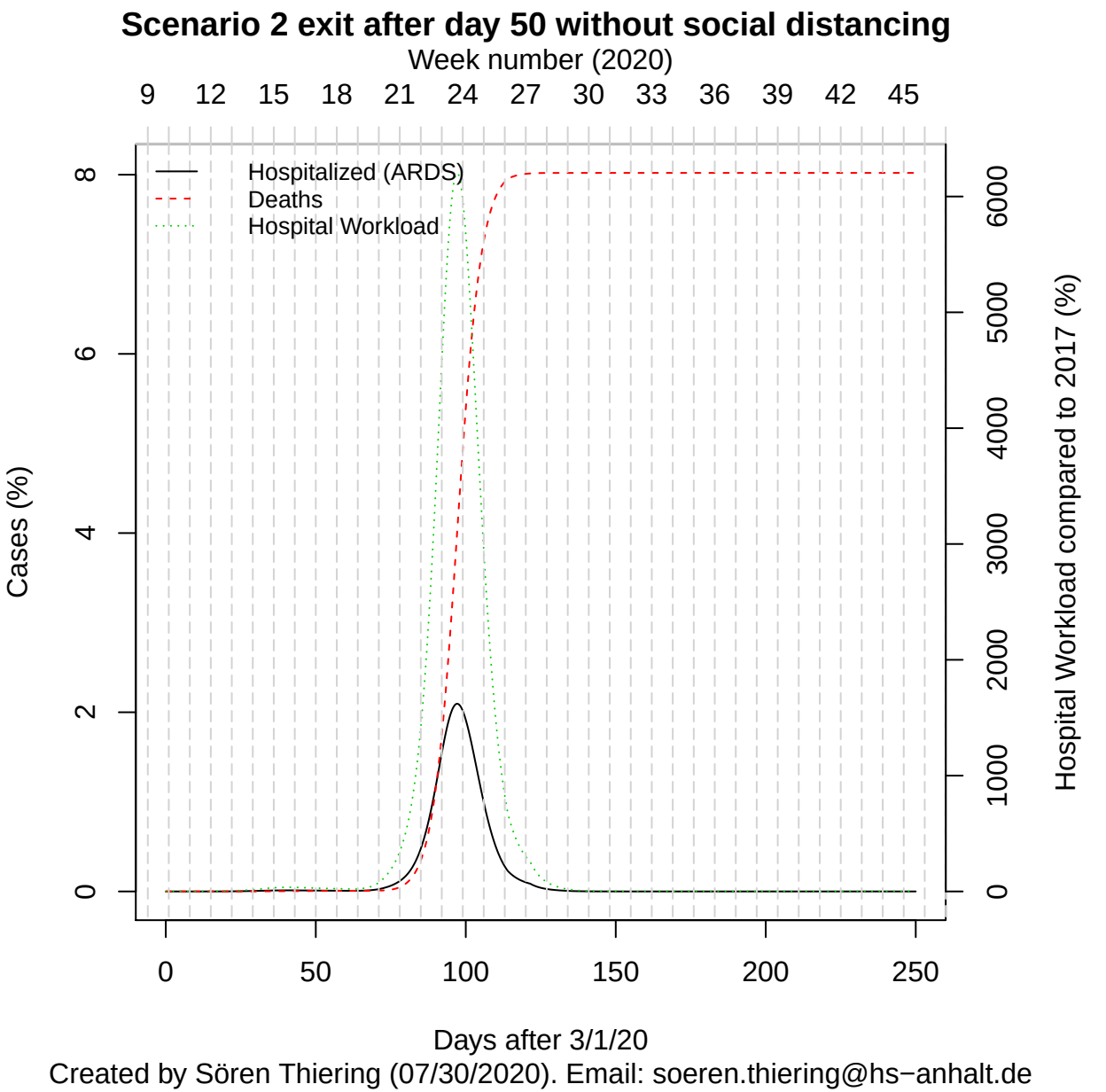

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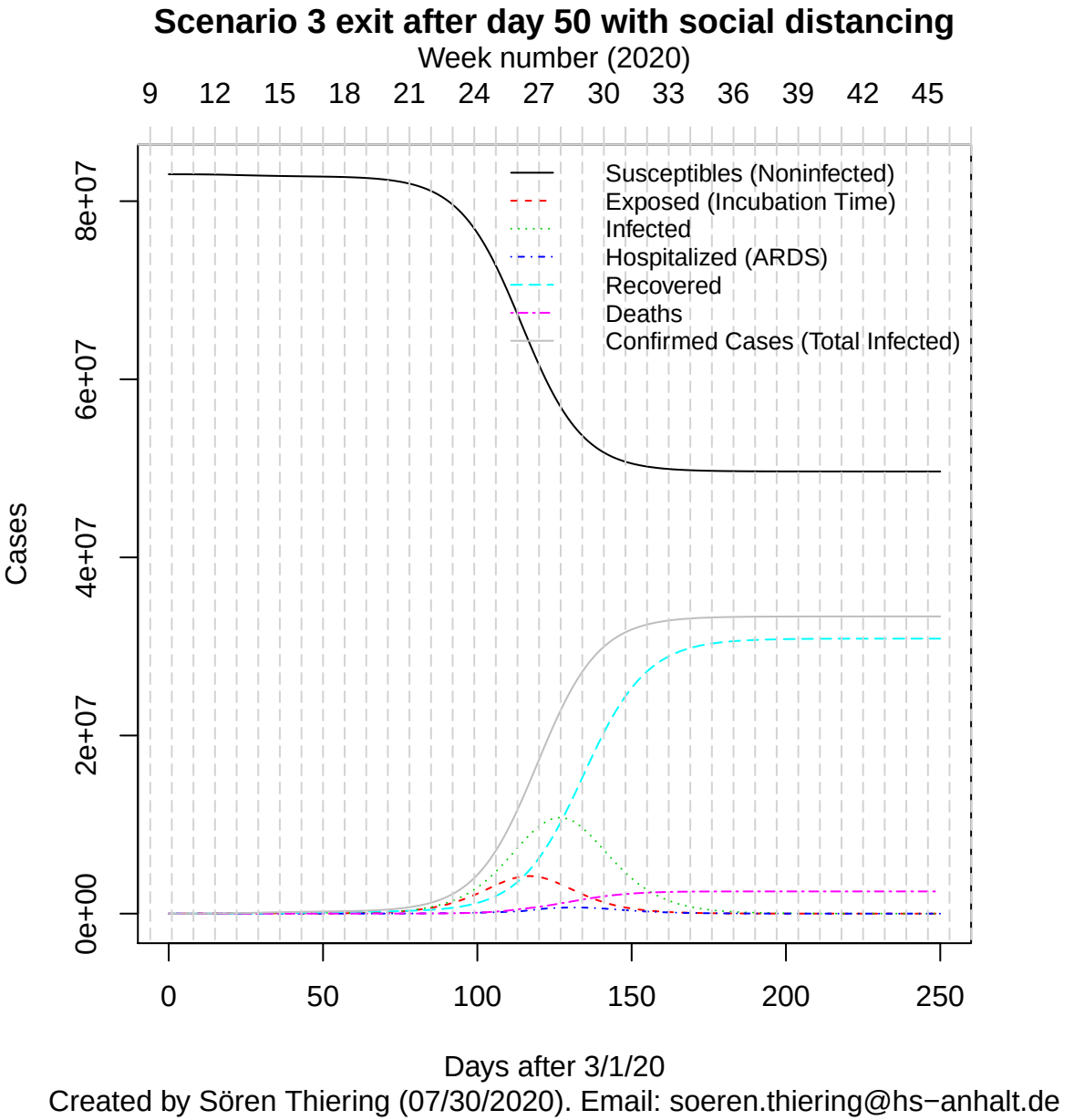
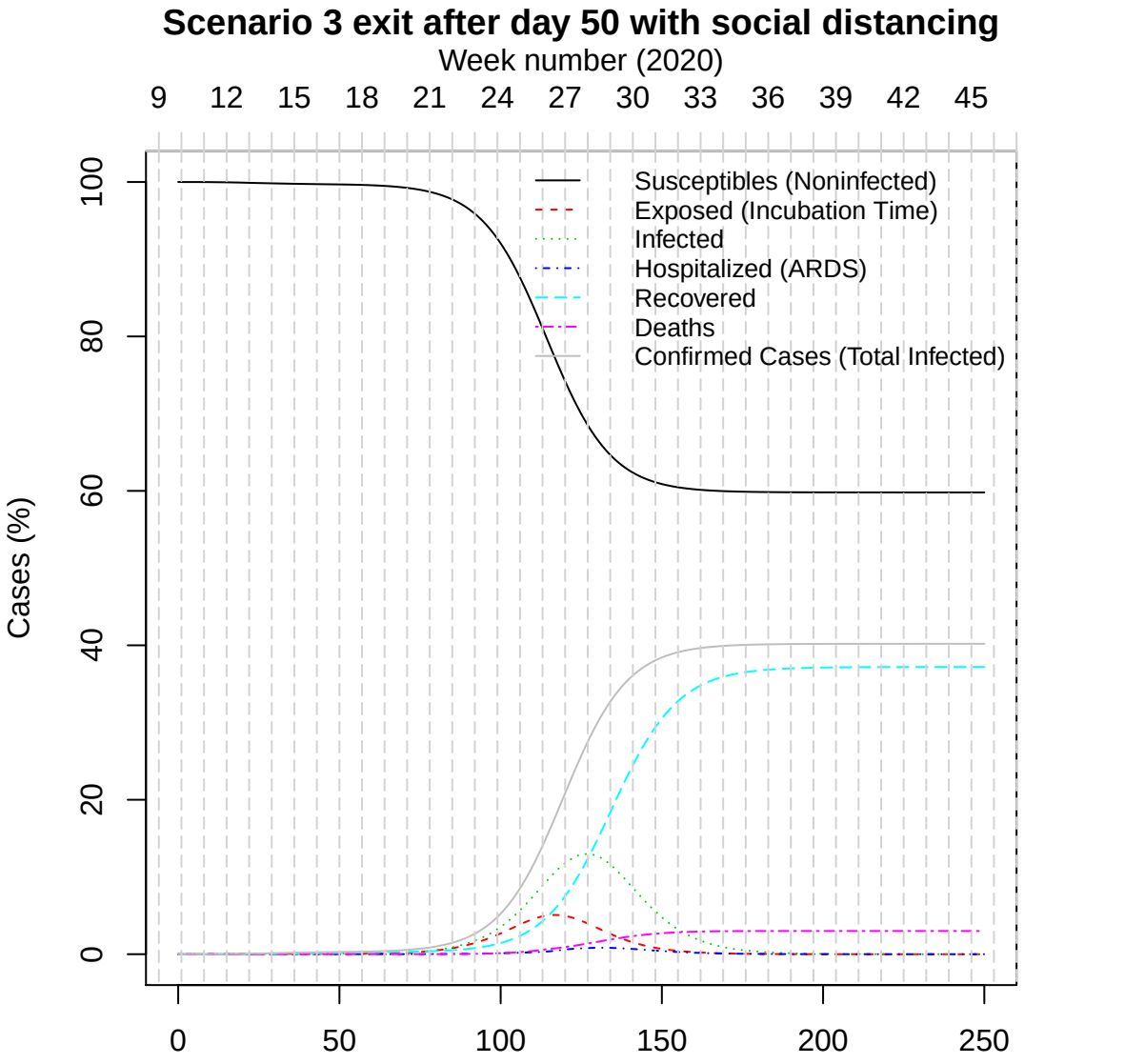

Scenario 3 exit after day 50 with social distancing
Week number (2020)
9
12
15
18
21
24
27
30
33
36
39
42
45
Cases
0e+00
2e+07
4e+07
6e+07
8e+07
0
50
100
150
200
250
Days after 3/1/20
Susceptibles (Noninfected)
Exposed (Incubation Time)
Infected
Hospitalized (ARDS)
Recovered
Deaths
Confirmed Cases (Total Infected)
Created by Sören Thiering (07/30/2020). Email: soeren.thiering@hs−anhalt.de



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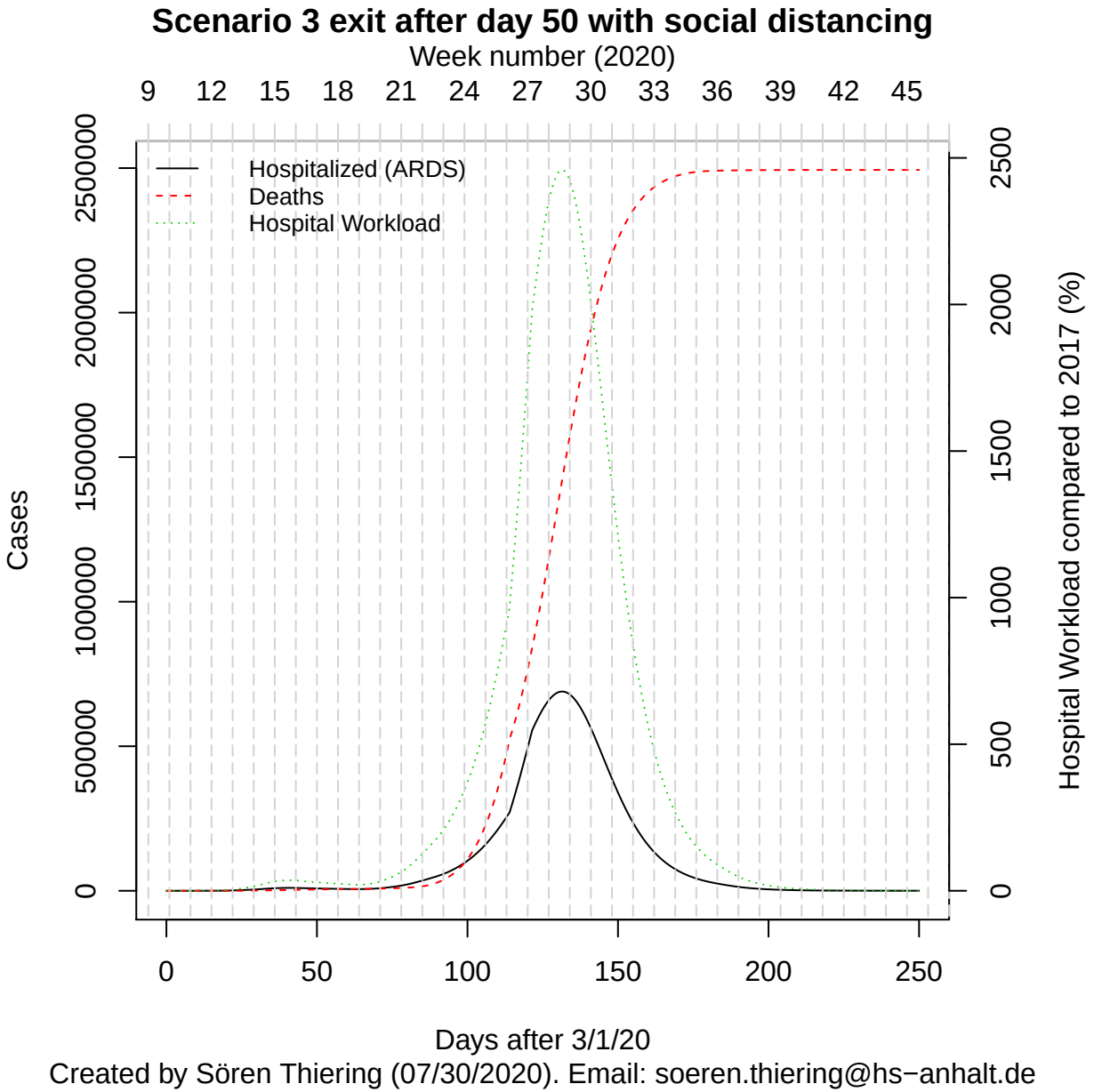

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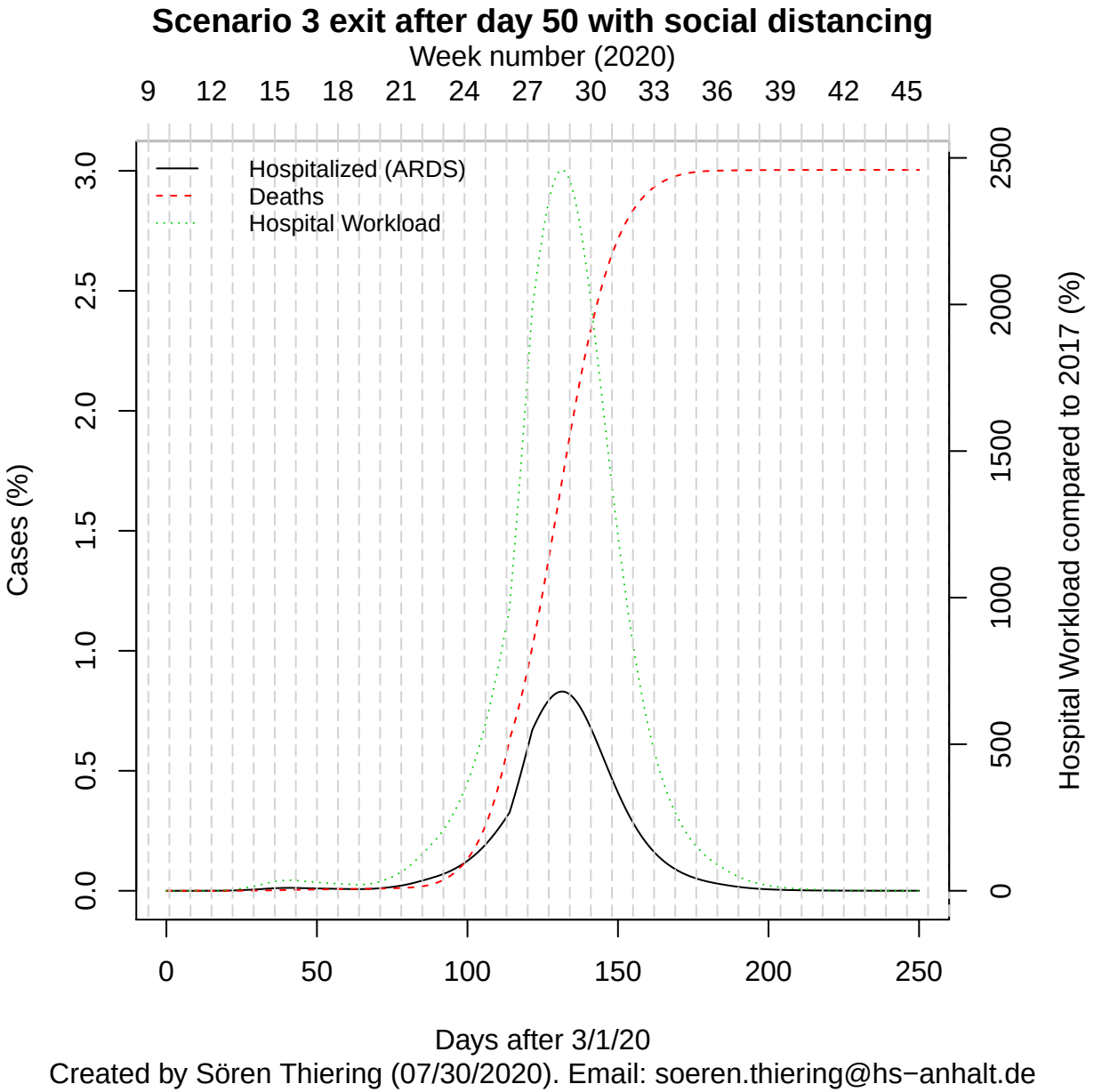

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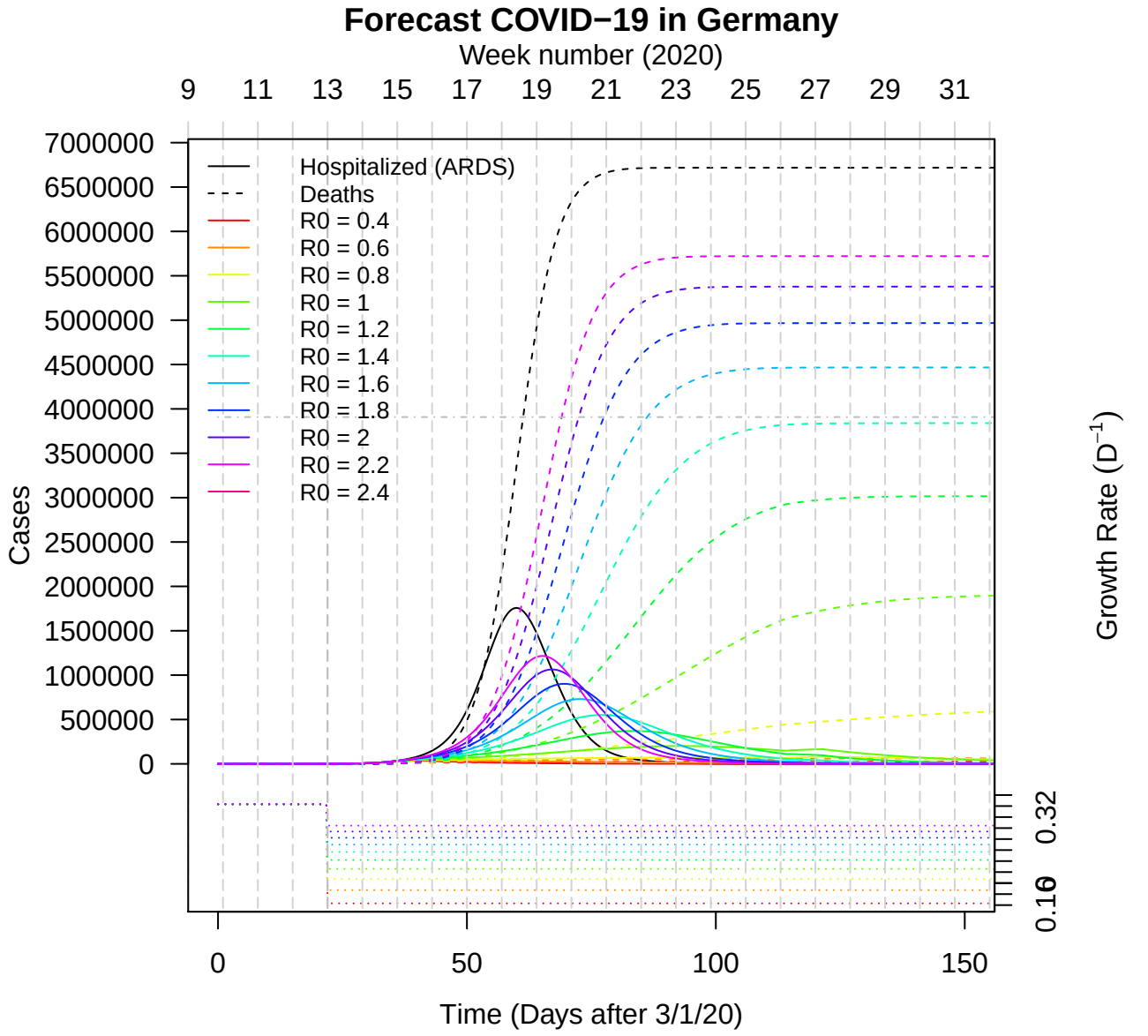

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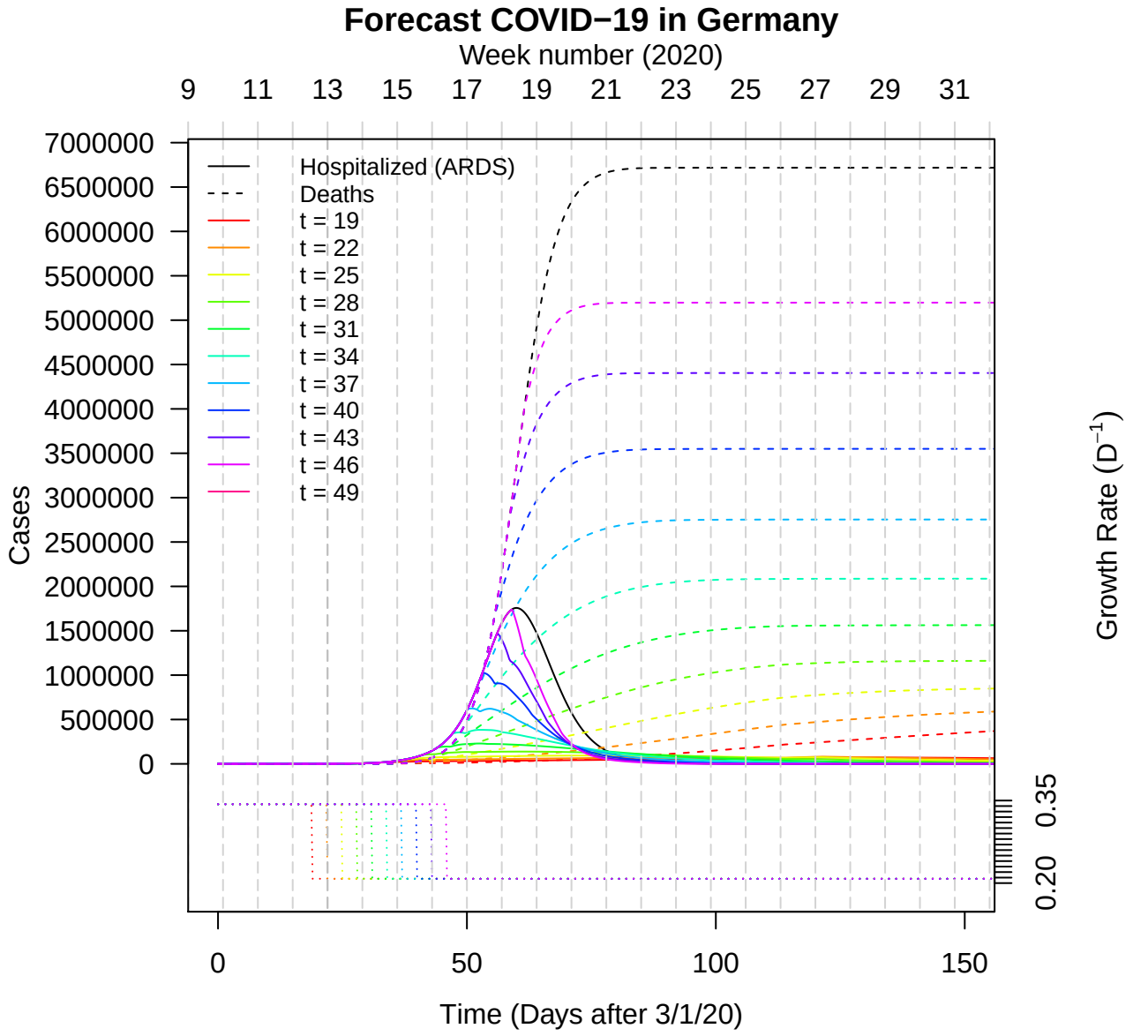

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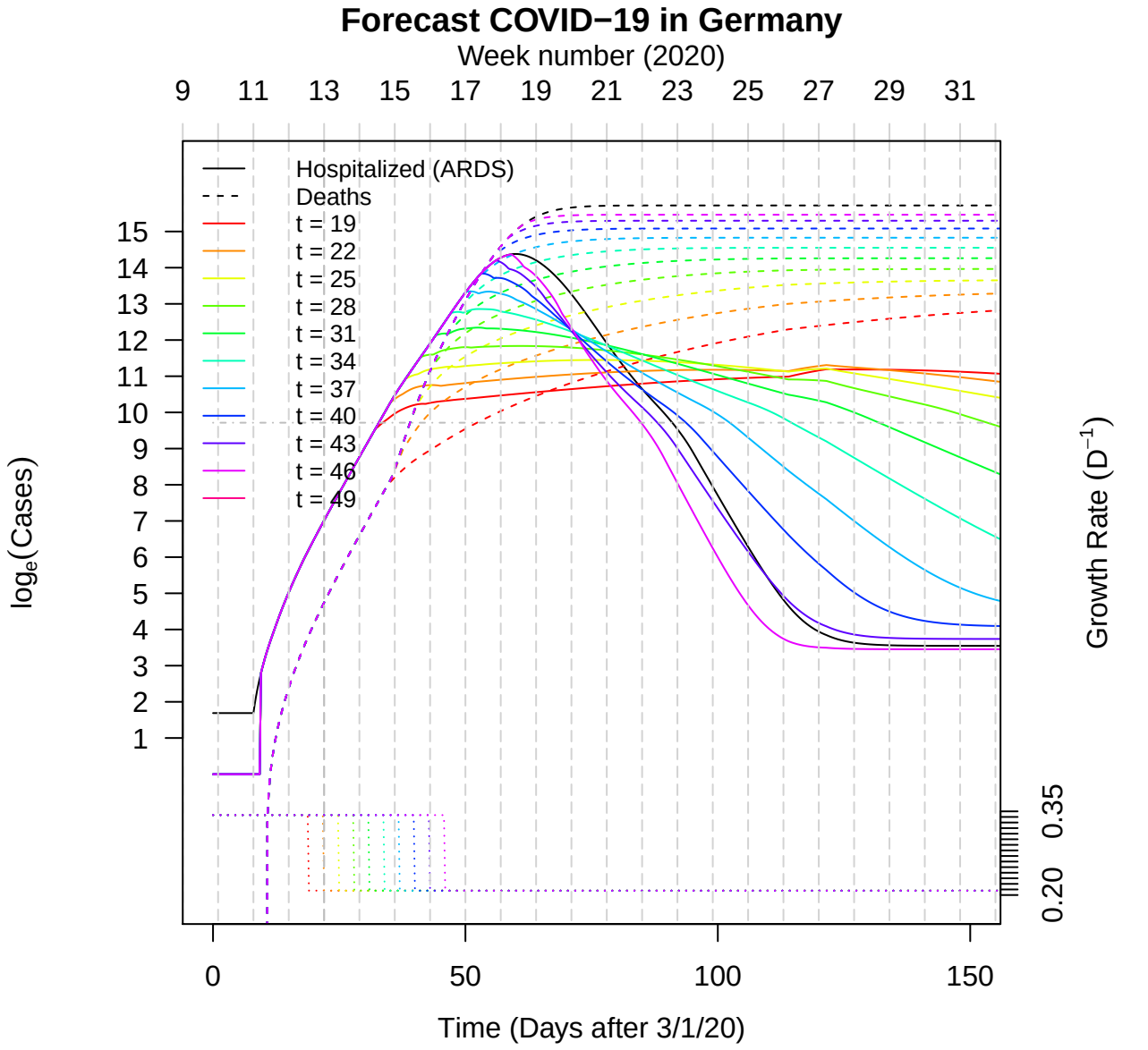

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