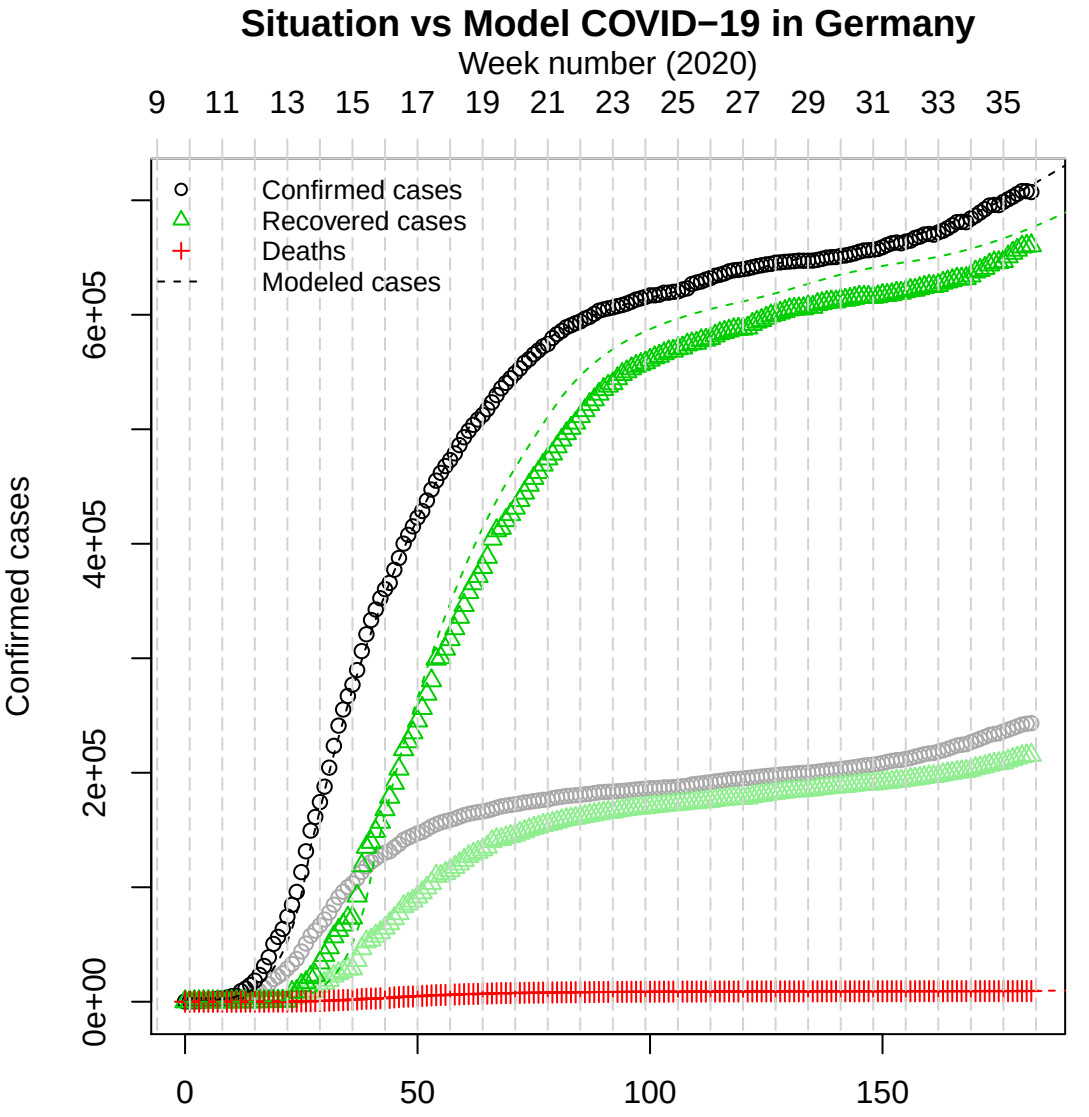

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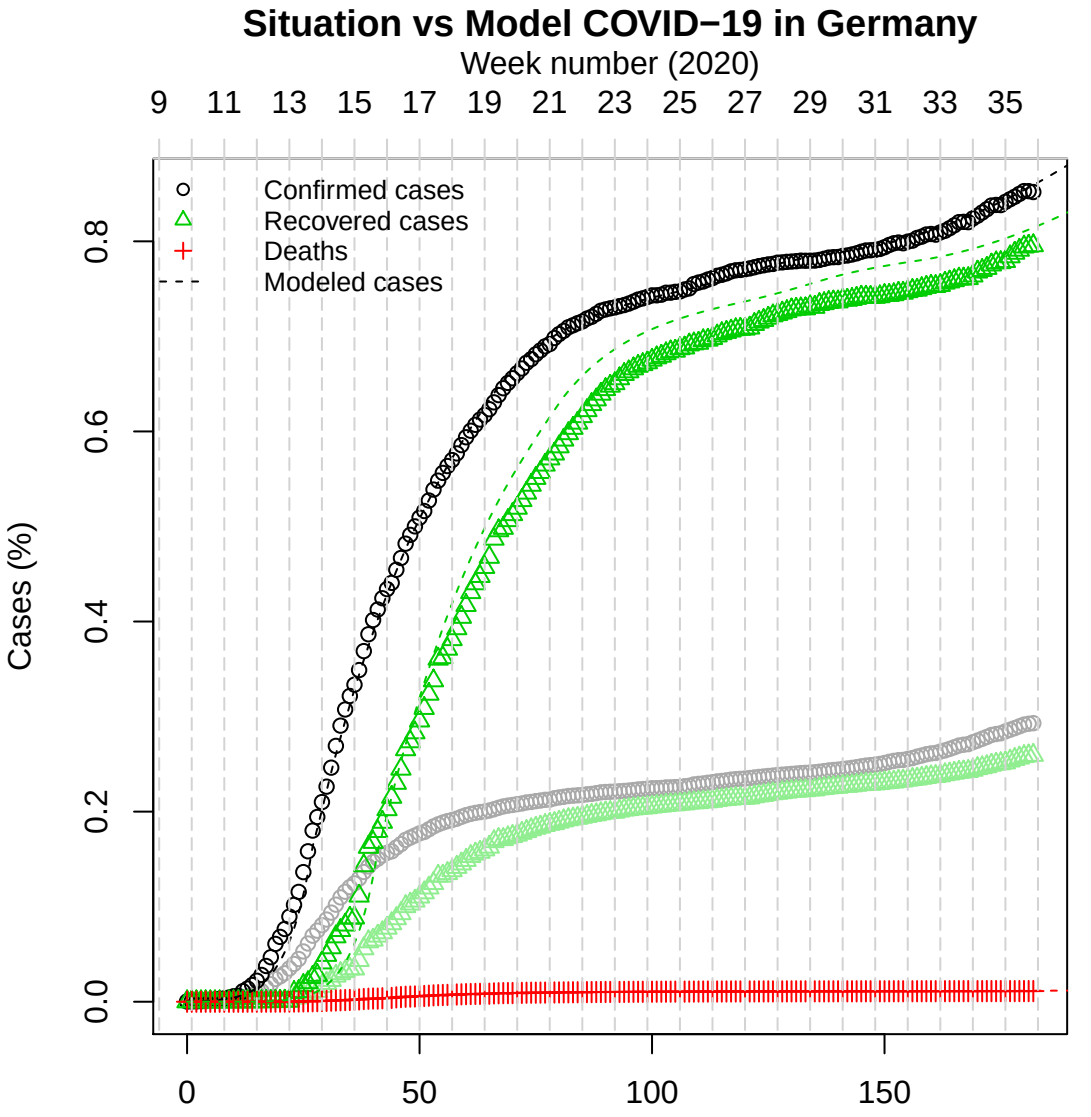

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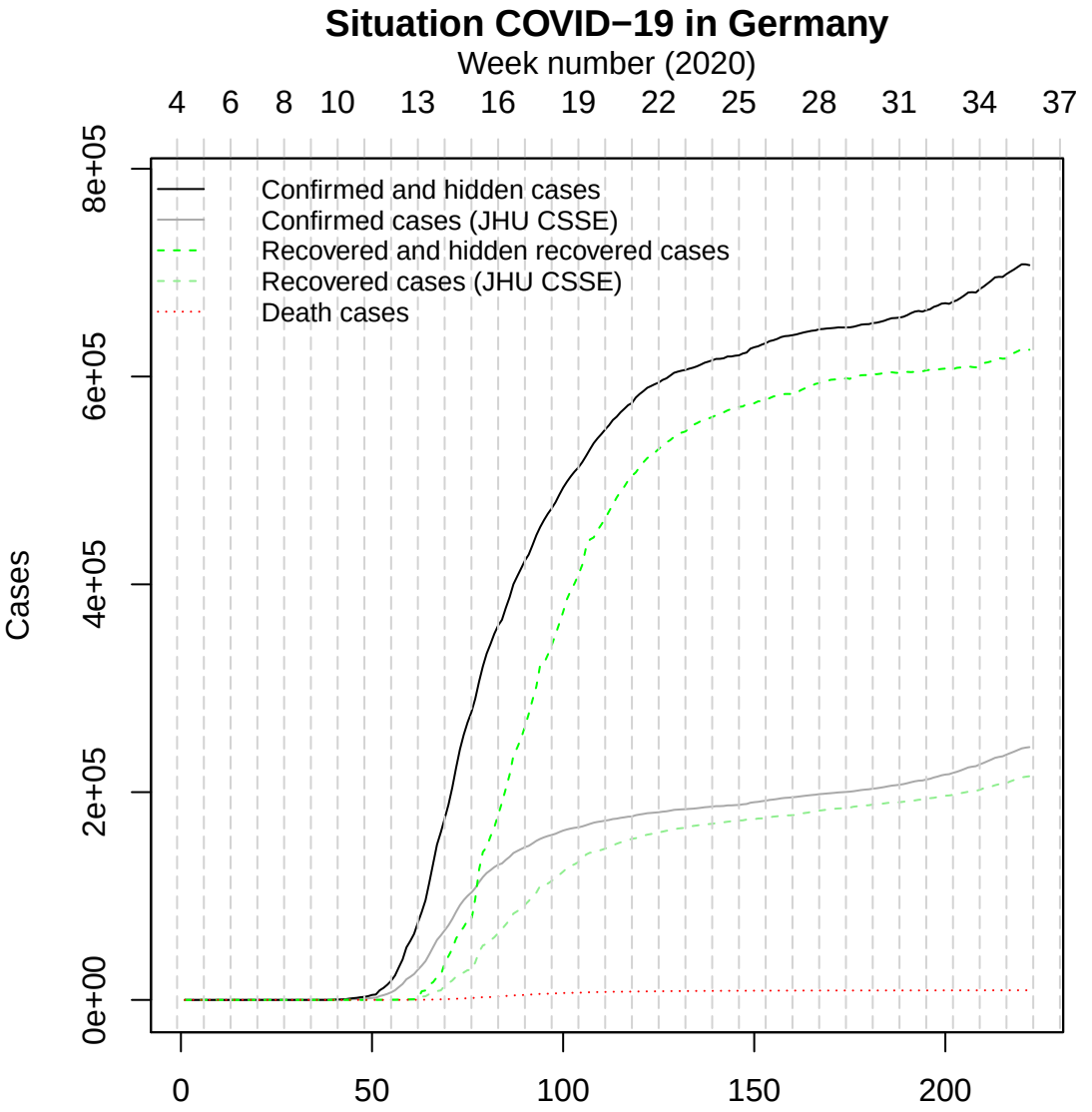
Situation COVID−19 in Germany
Week number (2020)
4 6 8 10 13 16 19 22 25 28 31 34 37
Confirmed and hidden cases
Confirmed cases (JHU CSSE)
Recovered and hidden recovered cases
Recovered cases (JHU CSSE)
Death cases
Cases
0e+00 2e+05 4e+05 6e+05 8e+05
0 50 100 150 200
Days after 1/22/20
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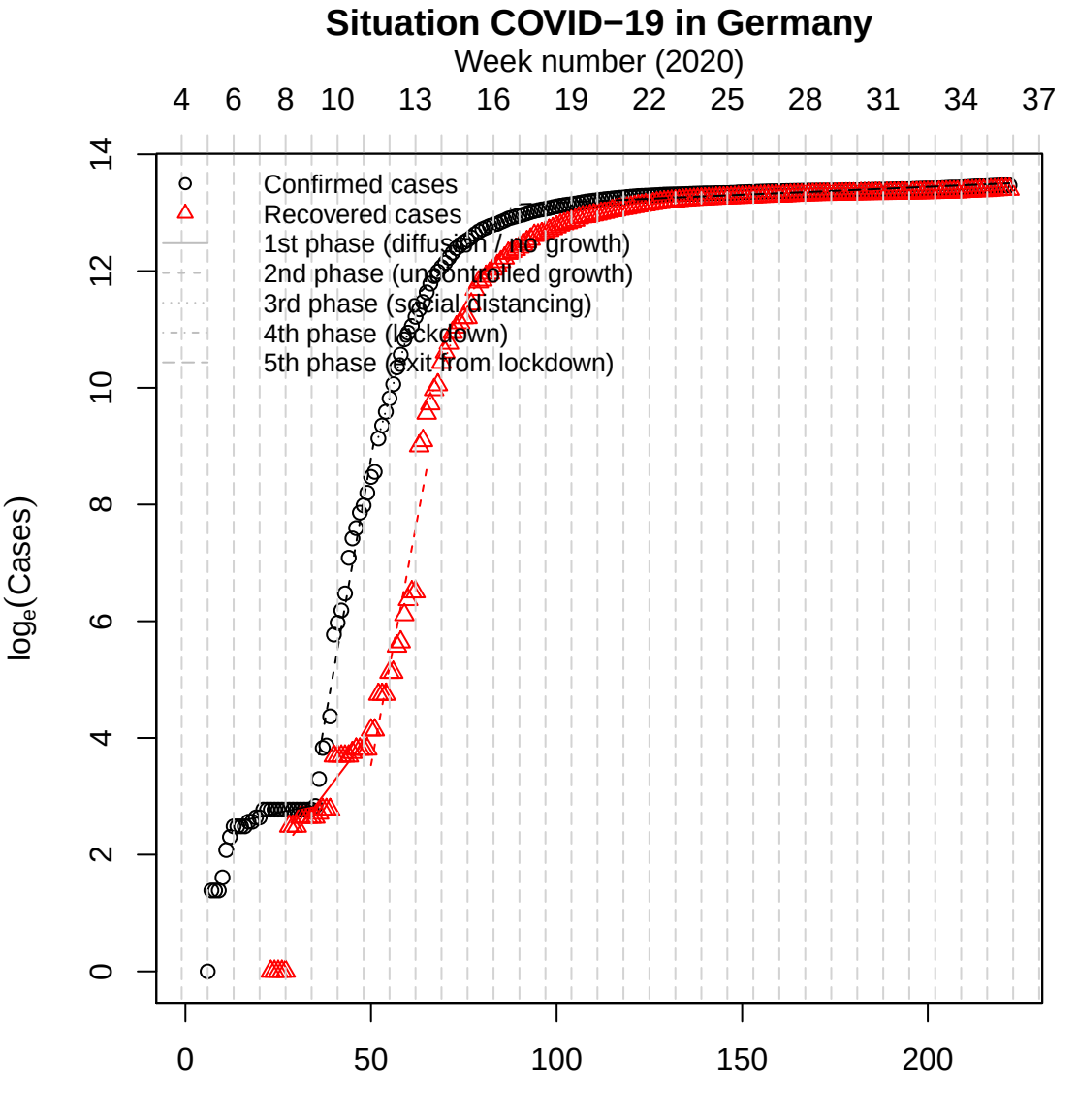
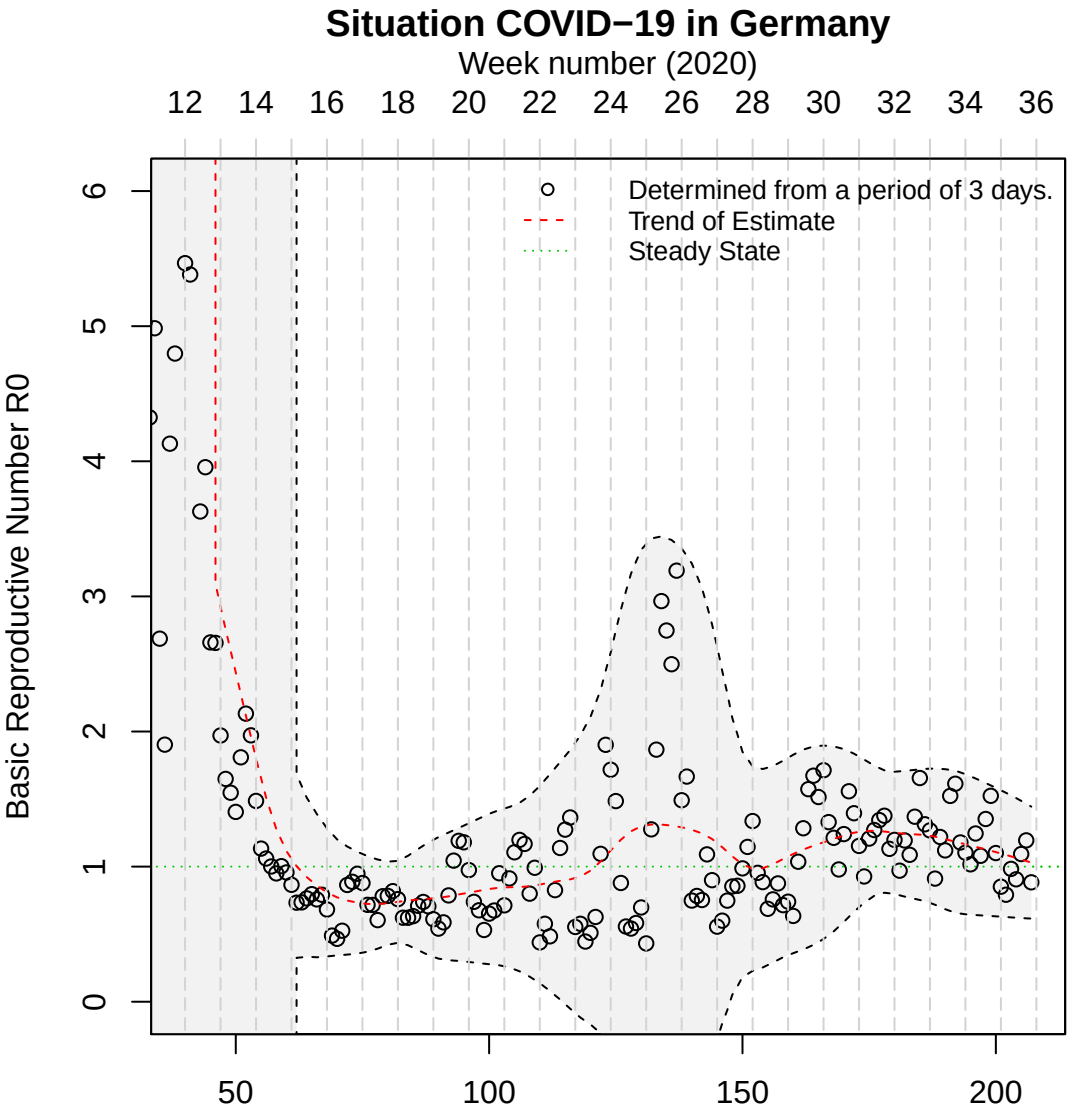

Situation COVID−19 in Germany
Week number (2020)
4 6 8 10 13 16 19 22 25 28 31 34 37
Confirmed cases
Recovered cases
1st phase (diffusion / no growth)
2nd phase (uncontrolled growth)
3rd phase (social distancing)
4th phase (lockdown)
5th phase (exit from lockdown)
log_e(Cases)
0 2 4 6 8 10 12 14
0 50 100 150 200
Days after 1/22/20
Created by Sören Thiering (09/01/2020). Email: soeren.thiering@hs−anhalt.de



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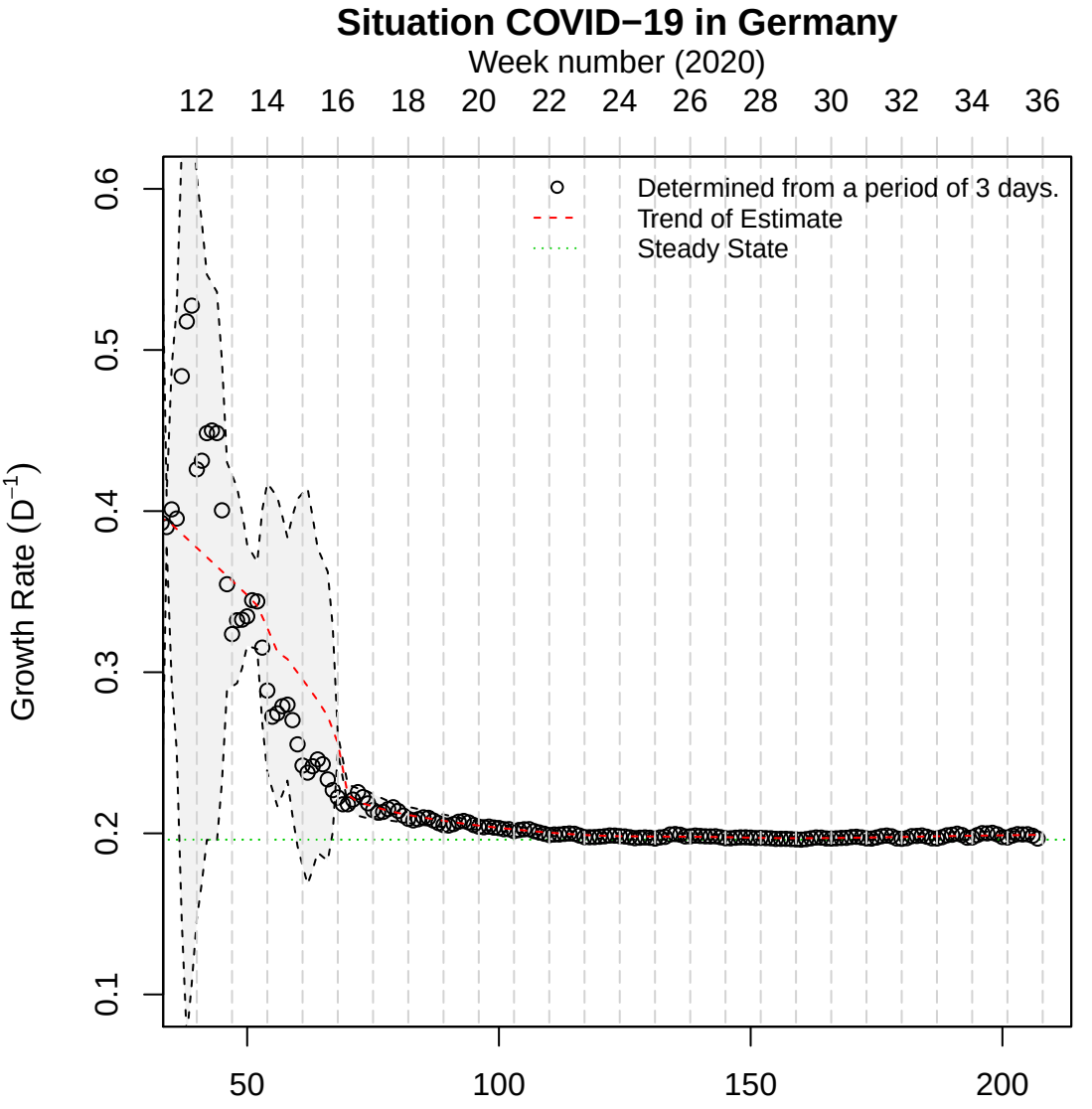

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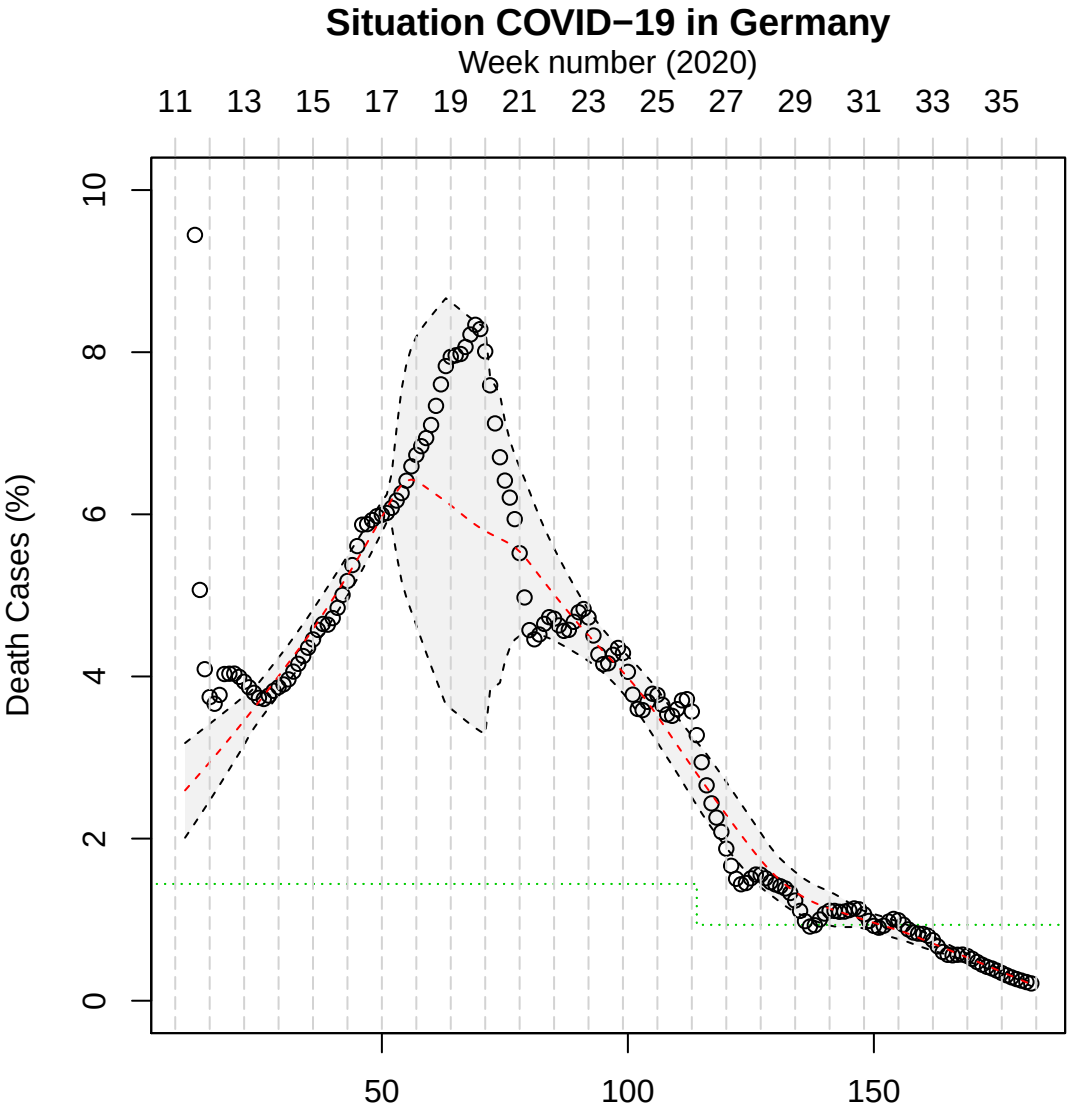

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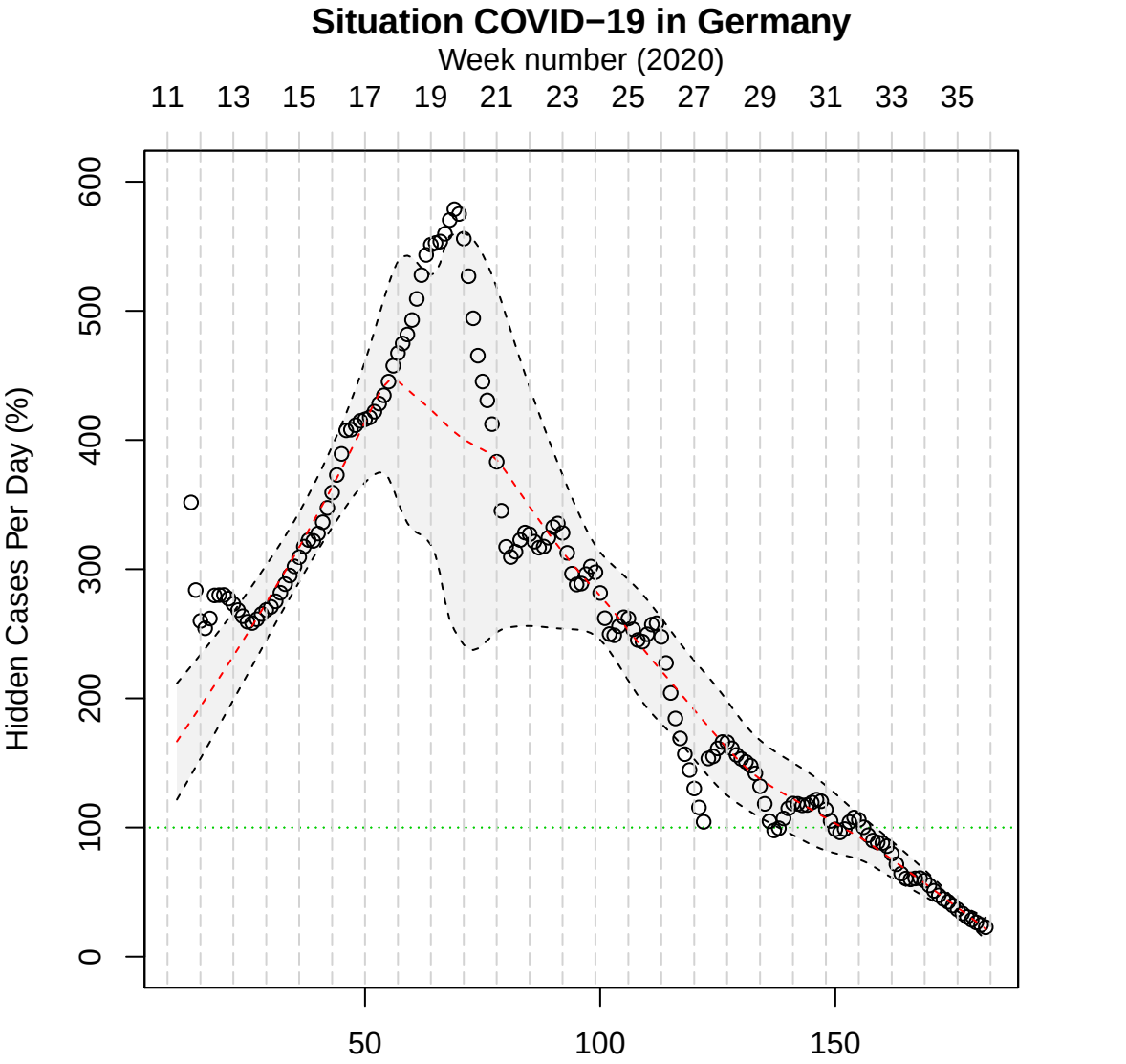

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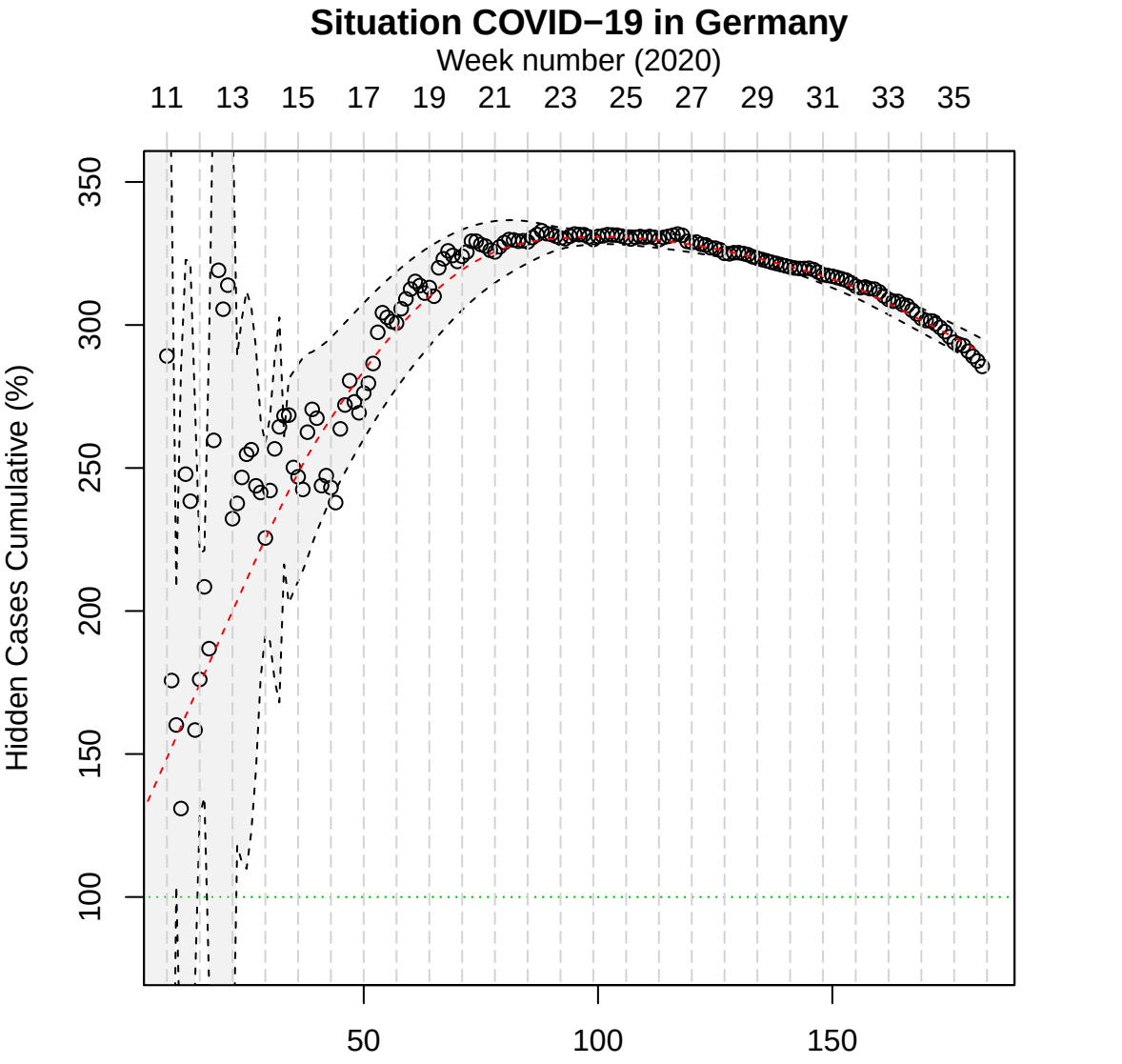

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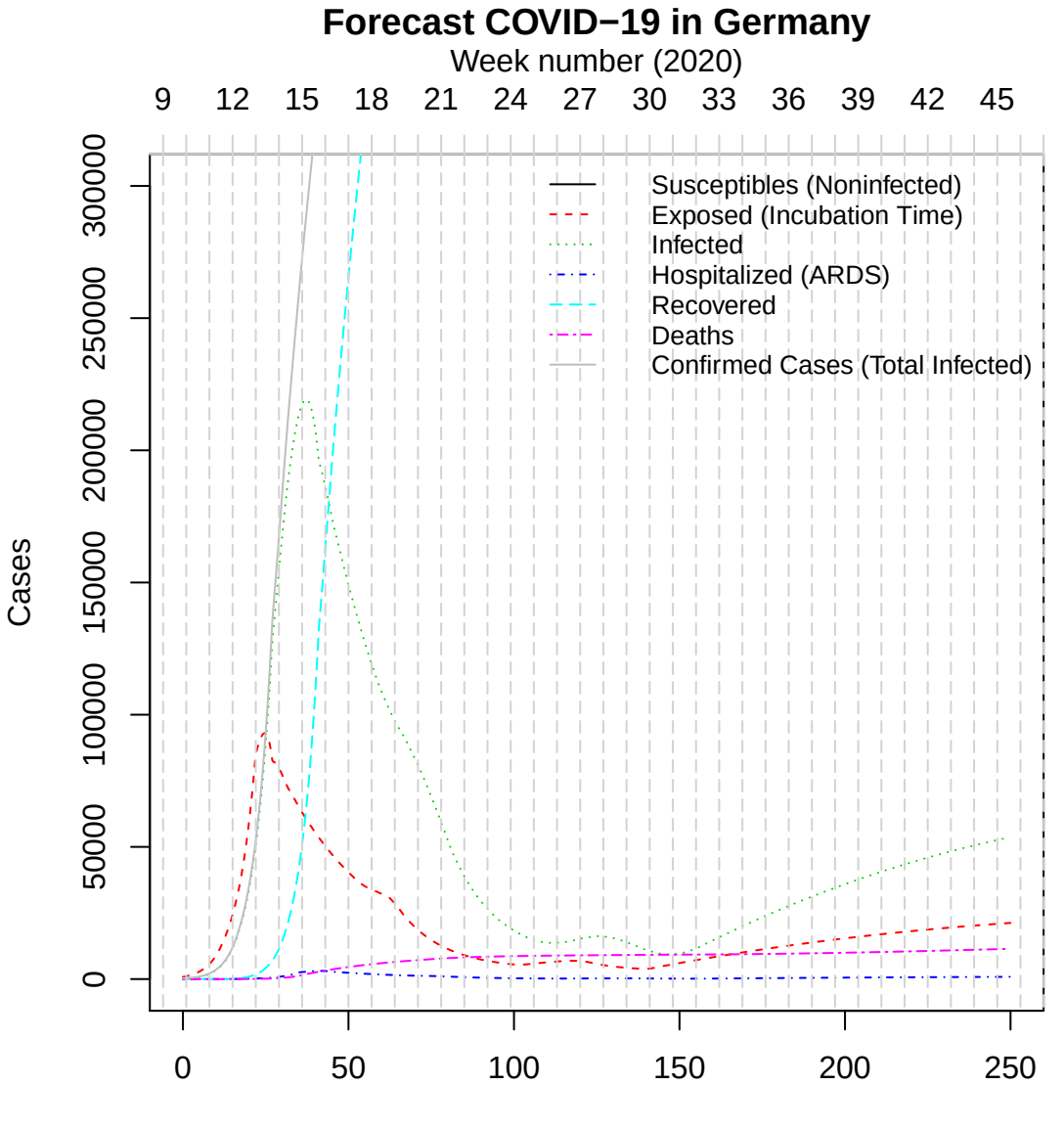

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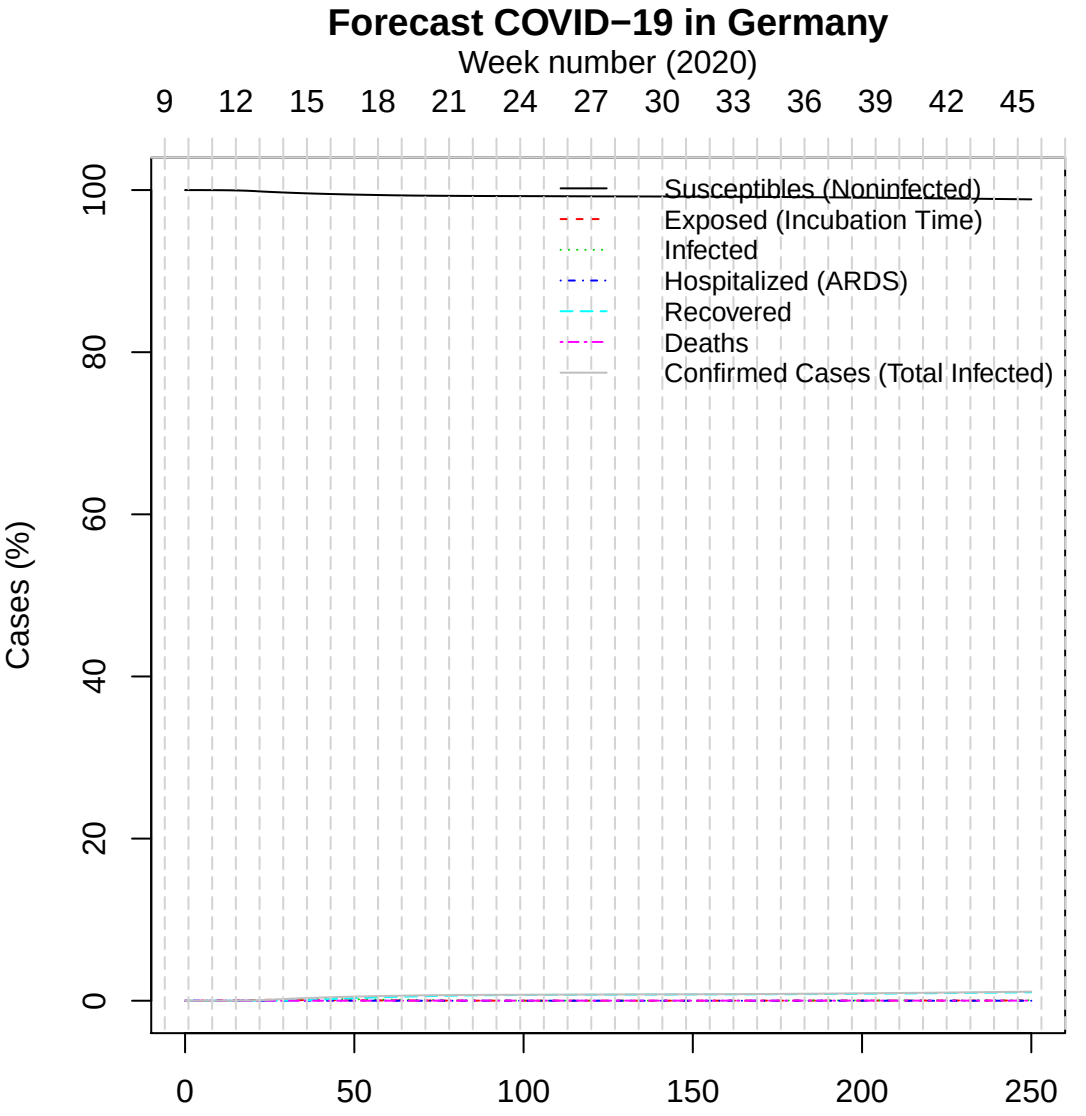

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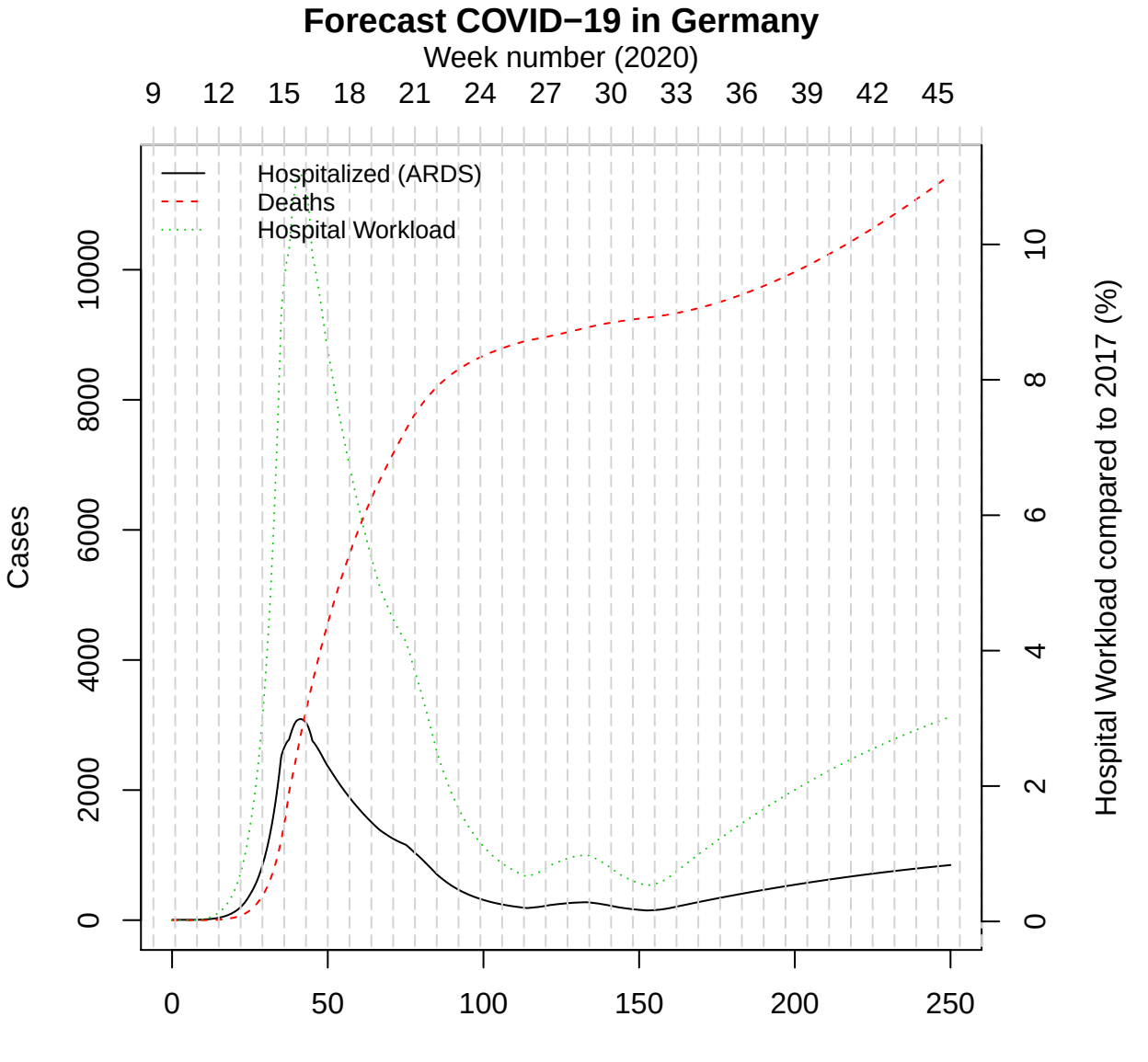

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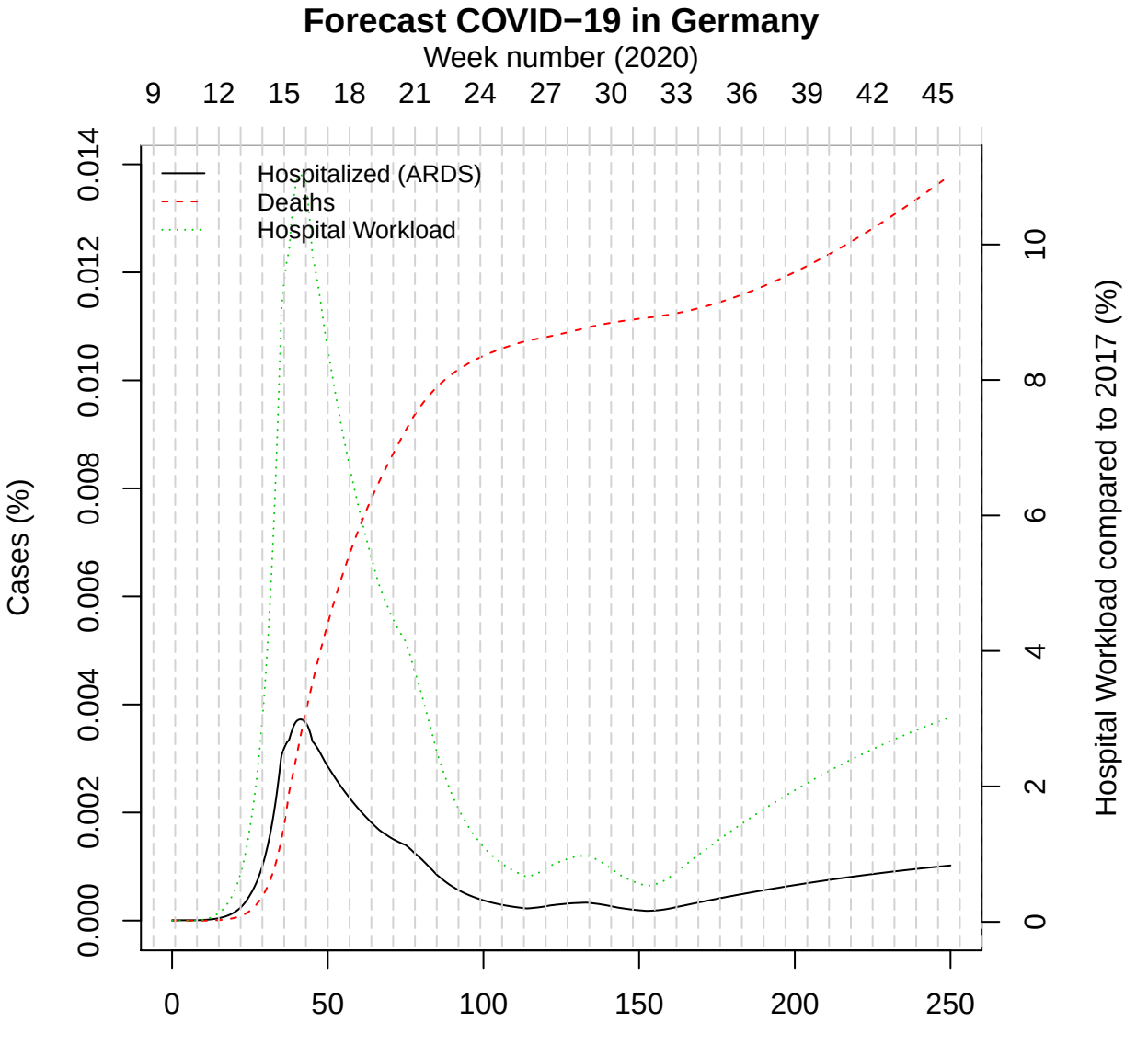

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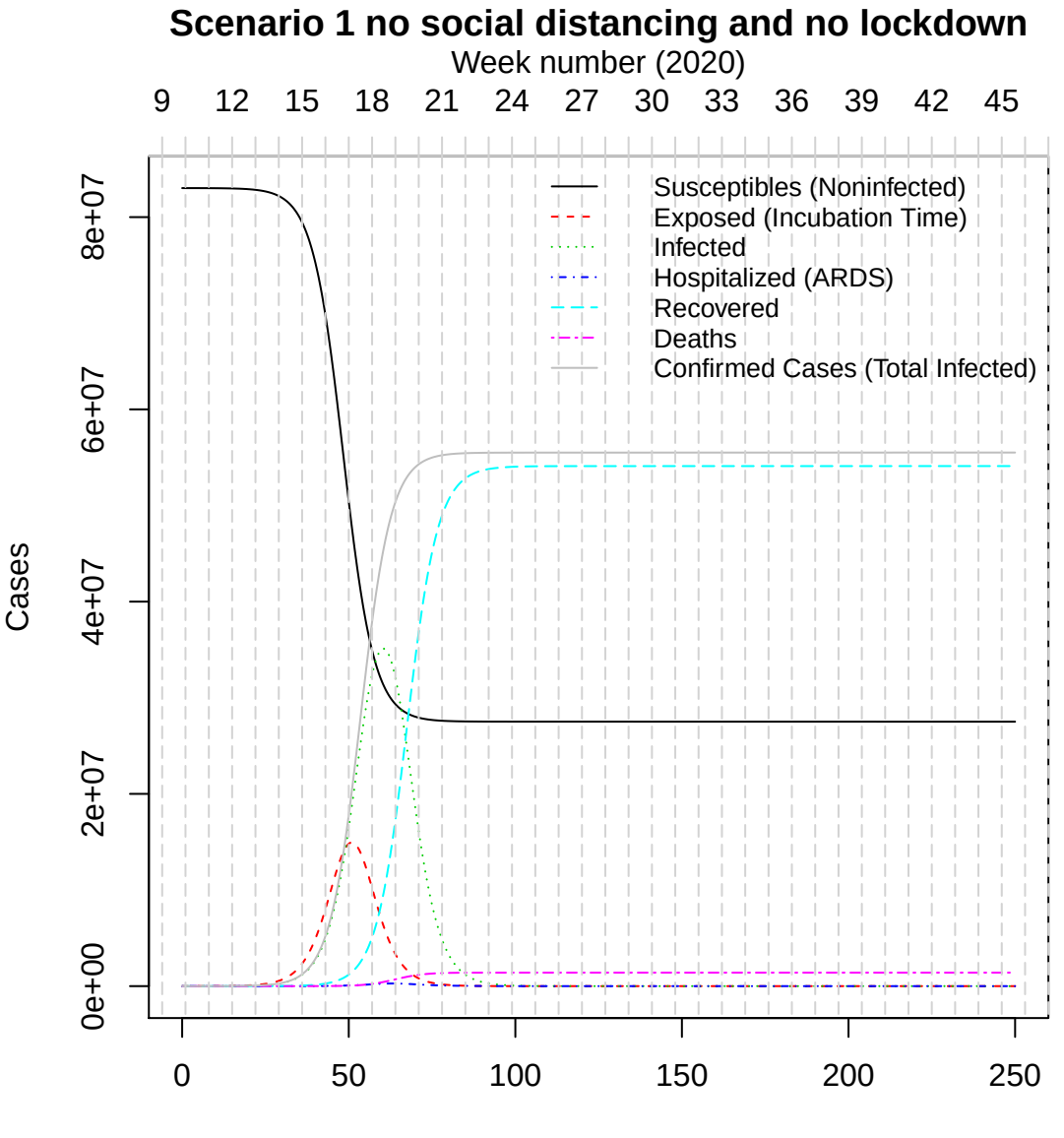

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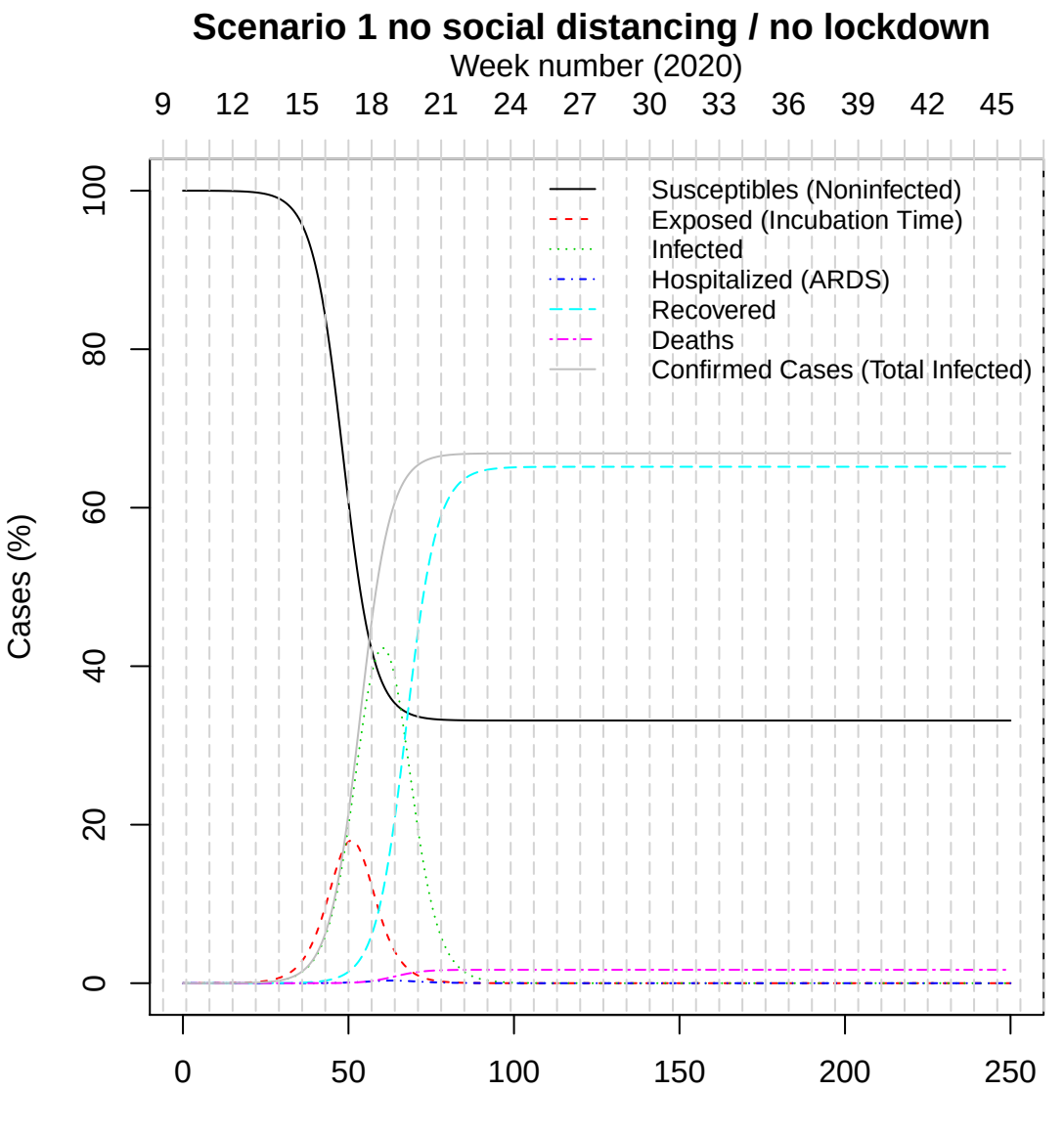
Scenario 1 no social distancing / no lockdown
Week number (2020)
9
12
15
18
21
24
27
30
33
36
39
42
45
Cases (%)
0
20
40
60
80
100
Susceptibles (Noninfected)
Exposed (Incubation Time)
Infected
Hospitalized (ARDS)
Recovered
Deaths
Confirmed Cases (Total Infected)
0
50
100
150
200
250
Days after 3/1/20
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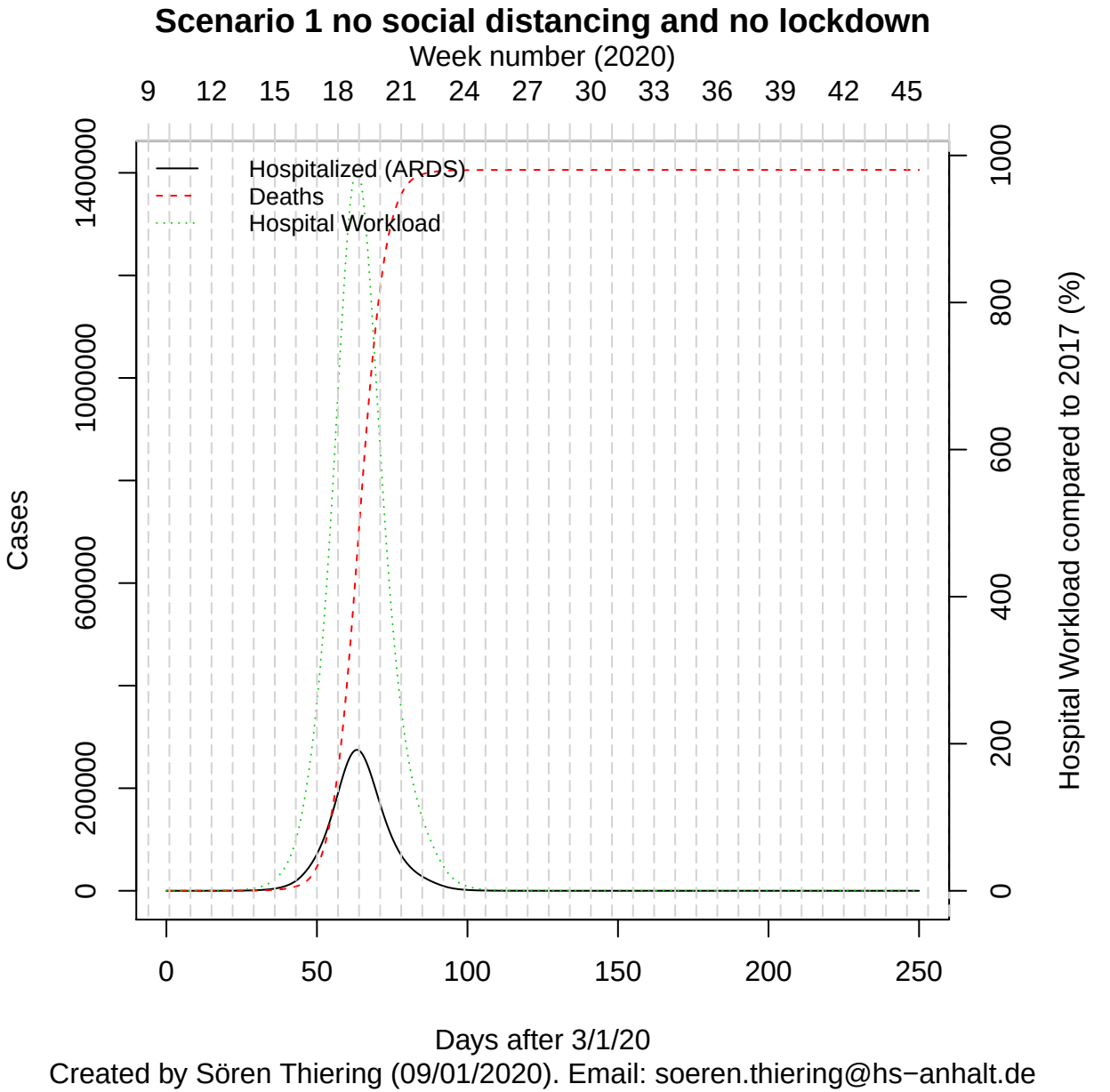

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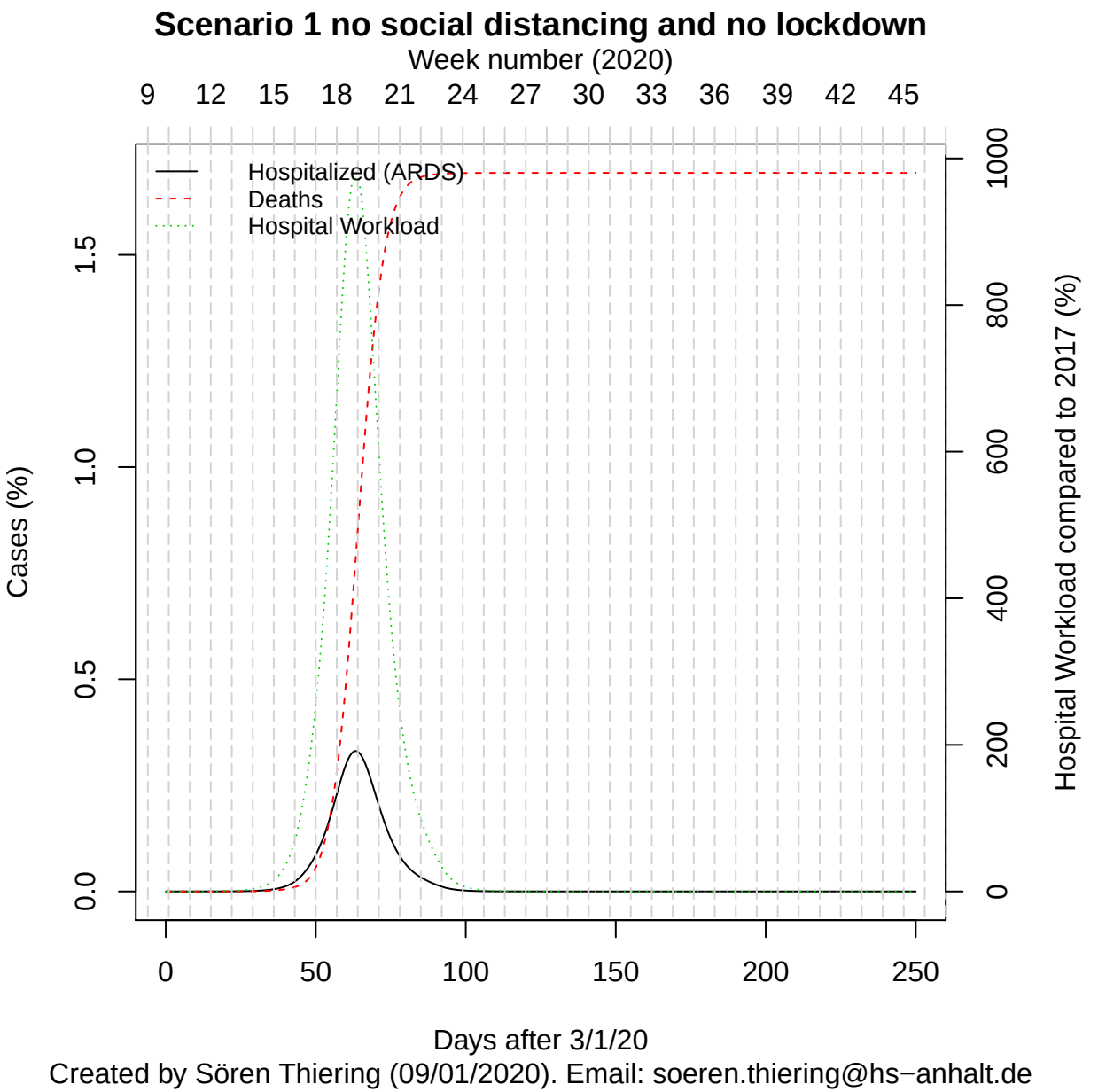

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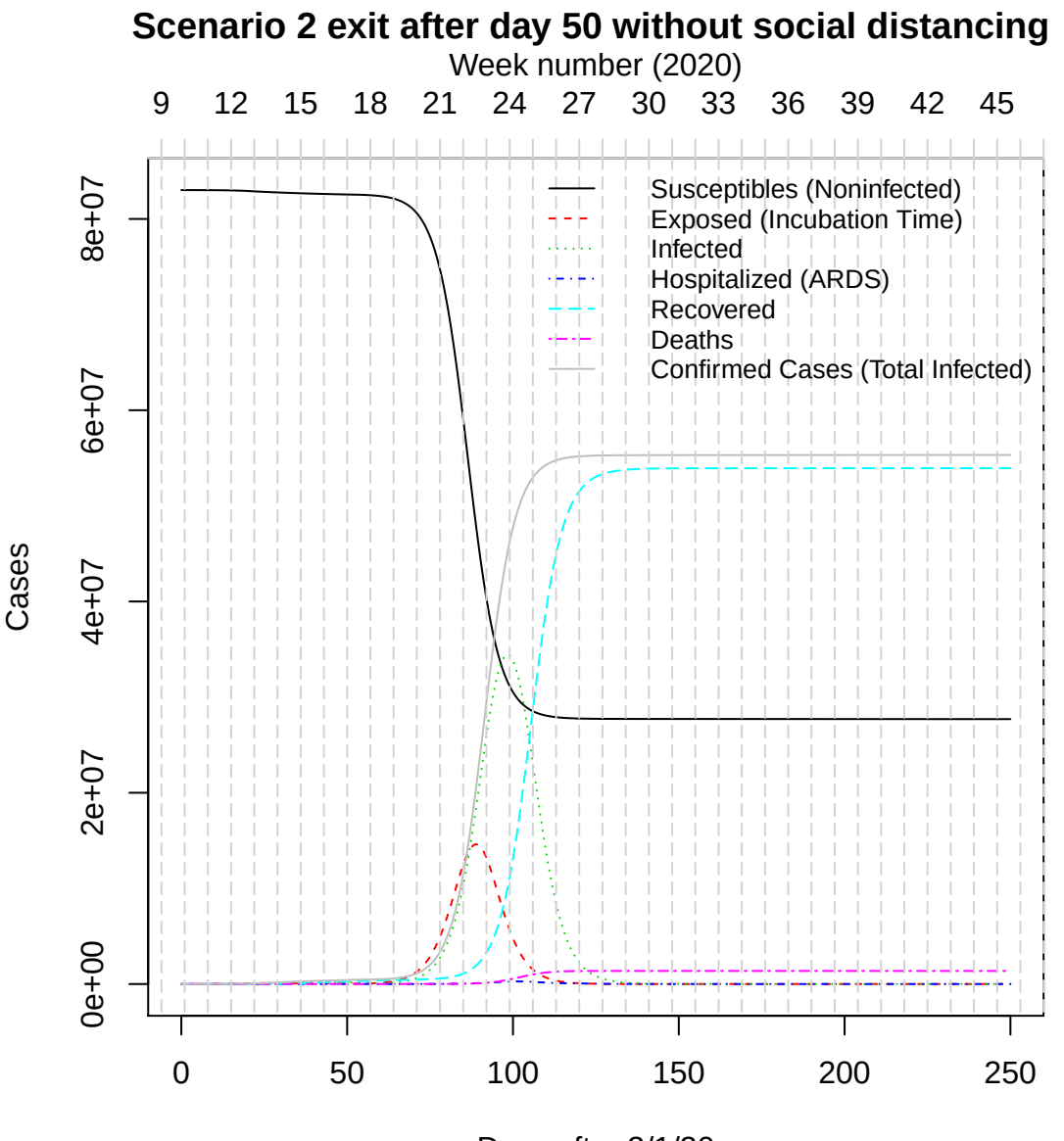

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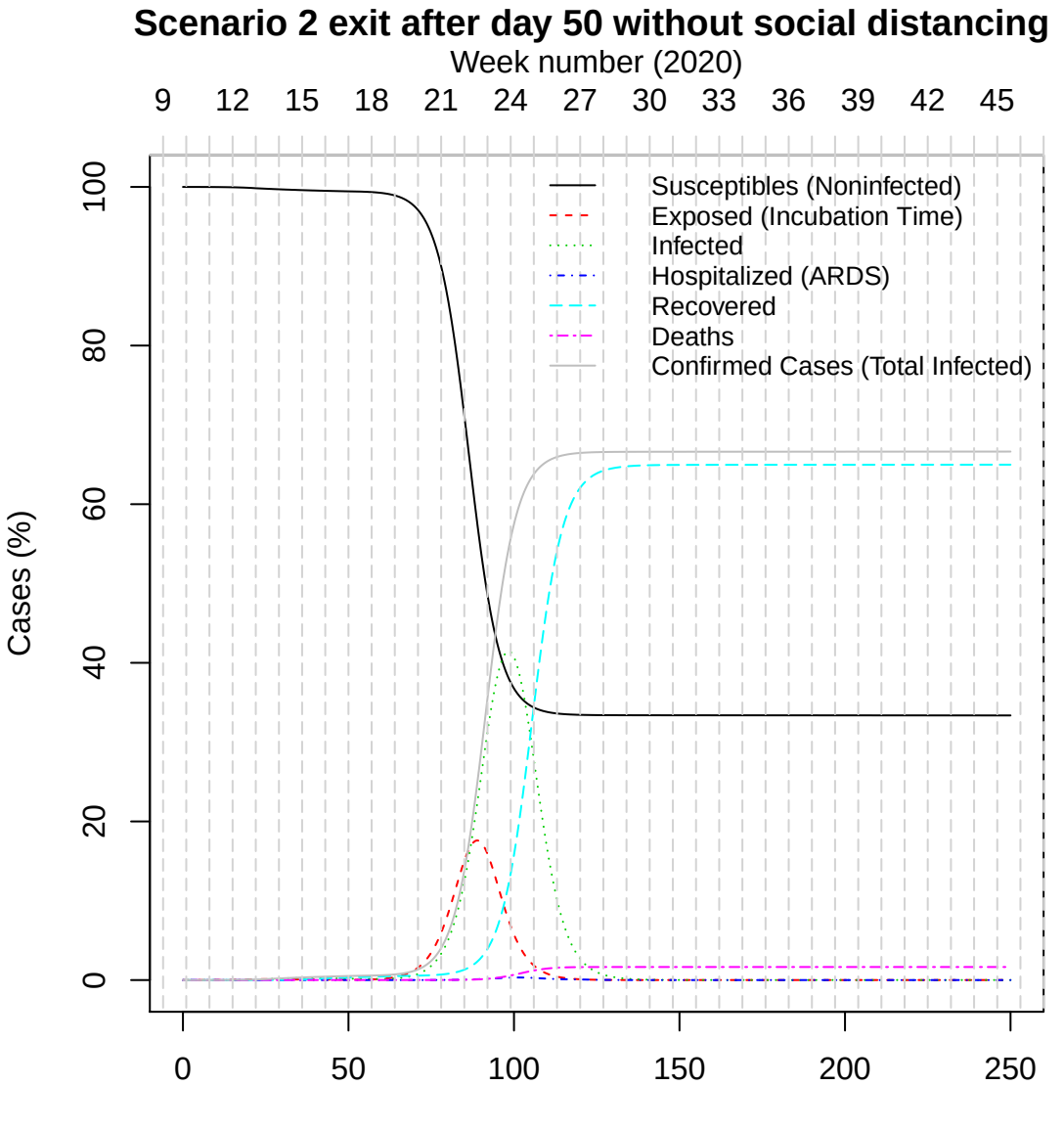
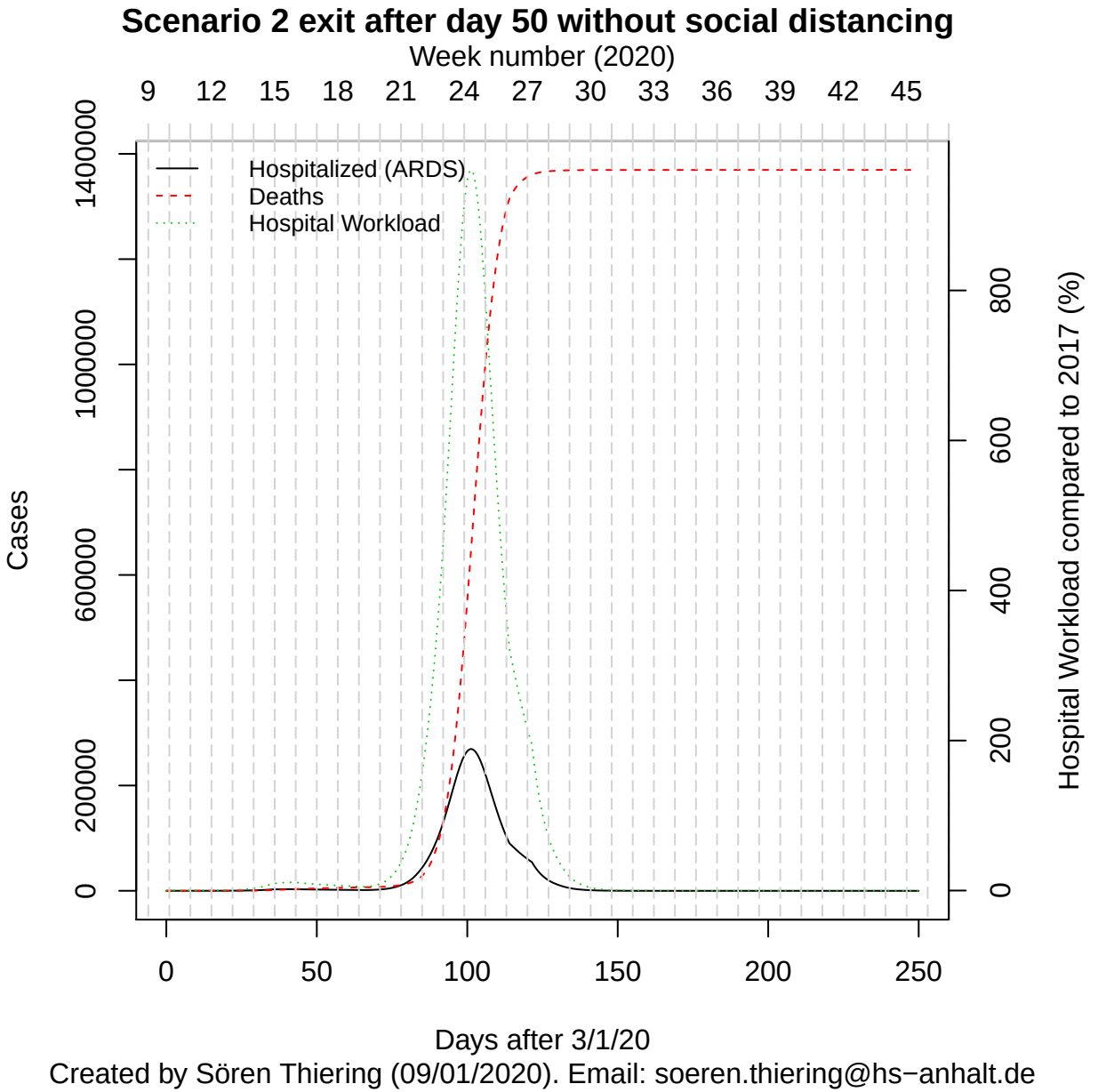

Scenario 2 exit after day 50 without social distancing
Week number (2020)
9
12
15
18
21
24
27
30
33
36
39
42
45
Cases (%)
0
20
40
60
80
100
Susceptibles (Noninfected)
Exposed (Incubation Time)
Infected
Hospitalized (ARDS)
Recovered
Deaths
Confirmed Cases (Total Infected)
0
50
100
150
200
250
Days after 3/1/20
Created by Sören Thiering (09/01/2020). Email: soeren.thiering@hs−anhalt.de



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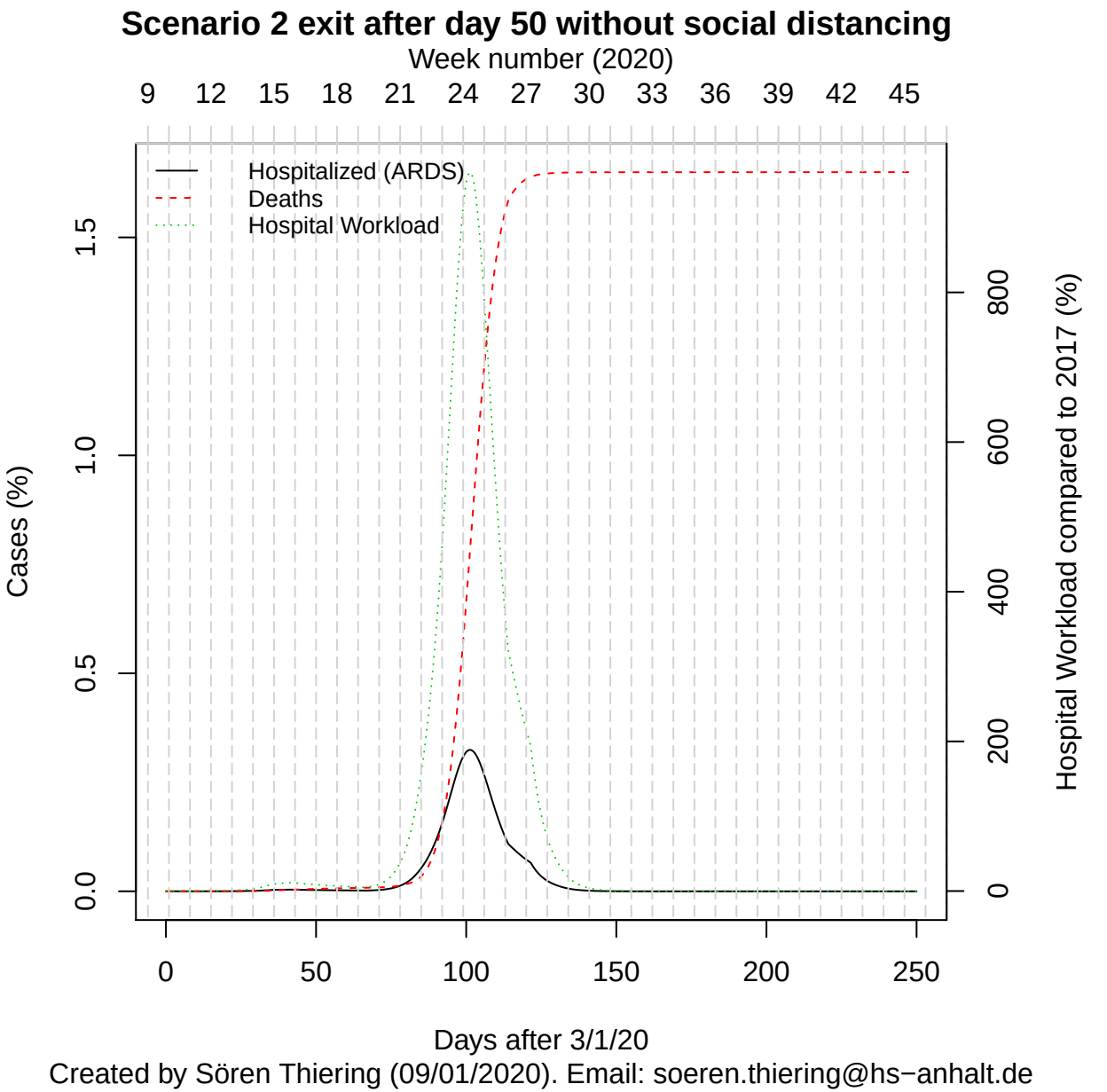

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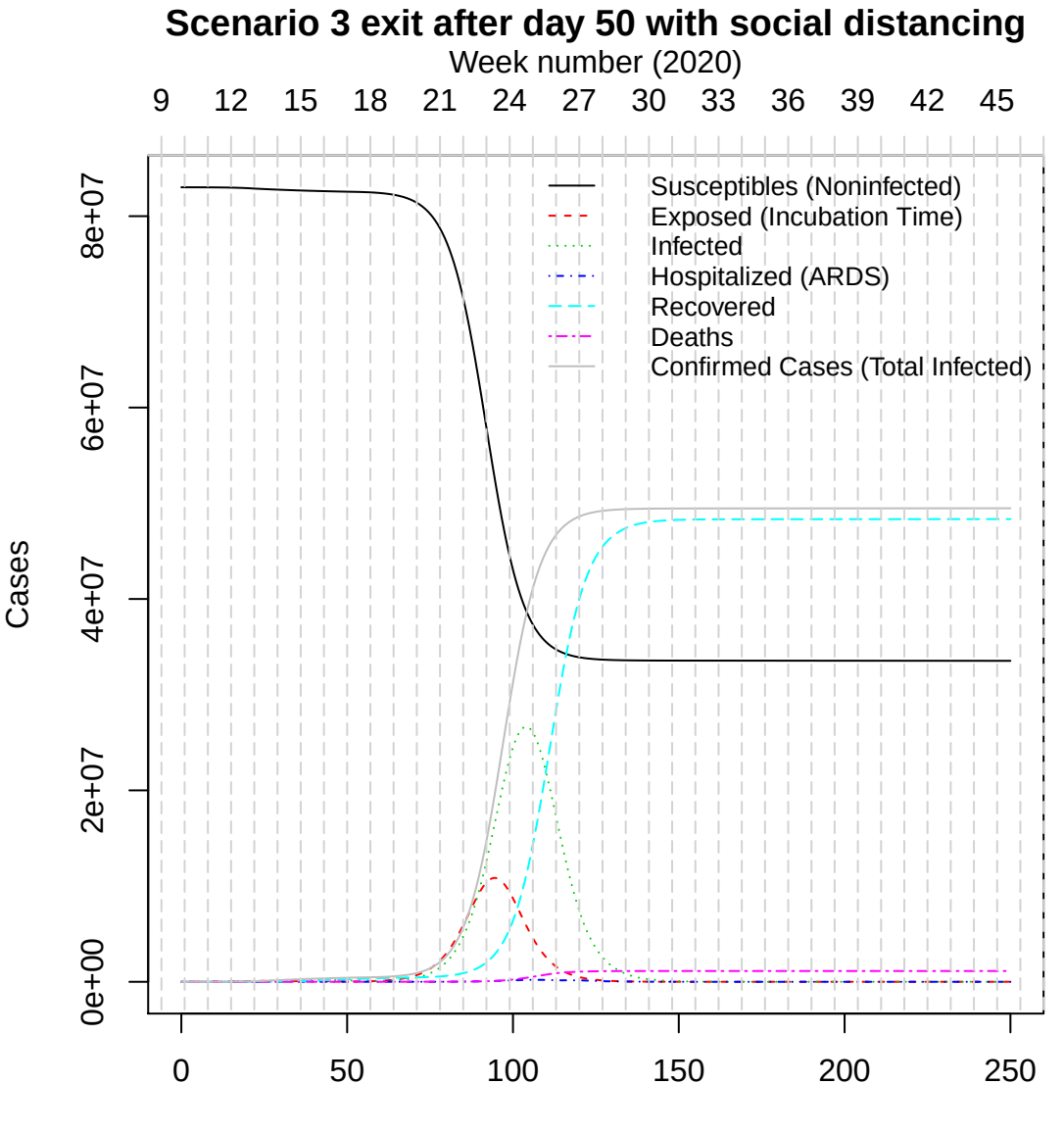

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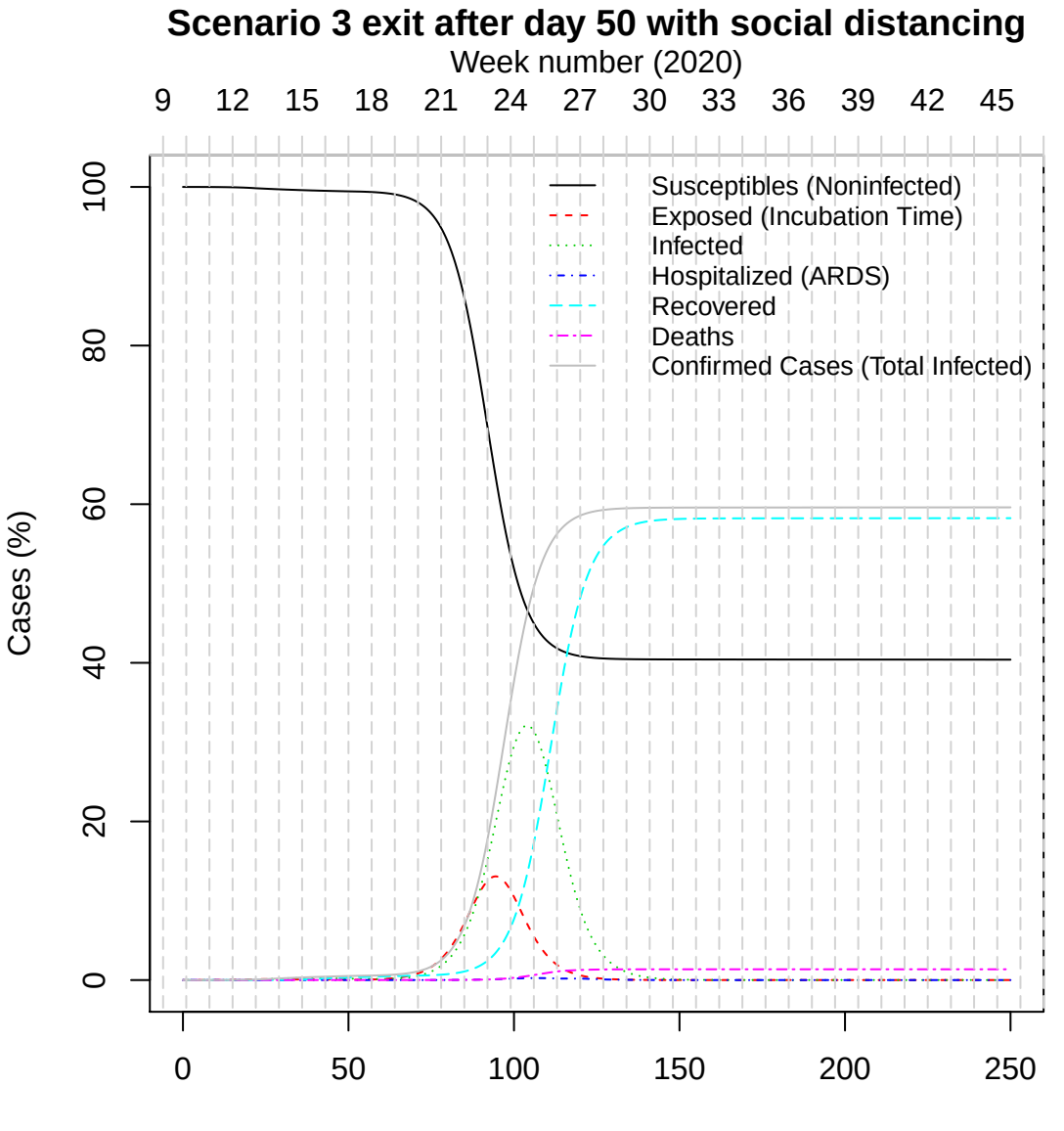
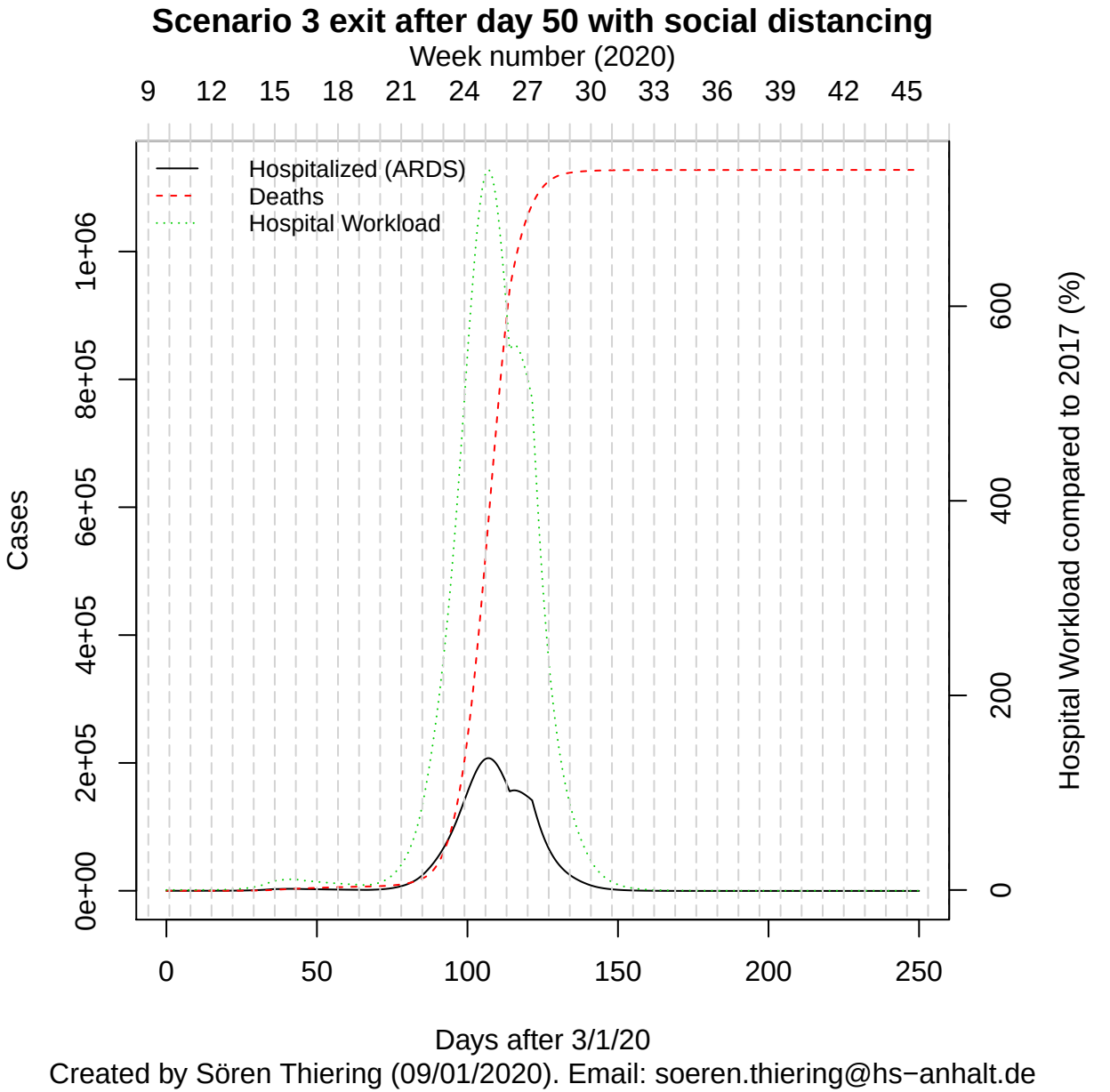
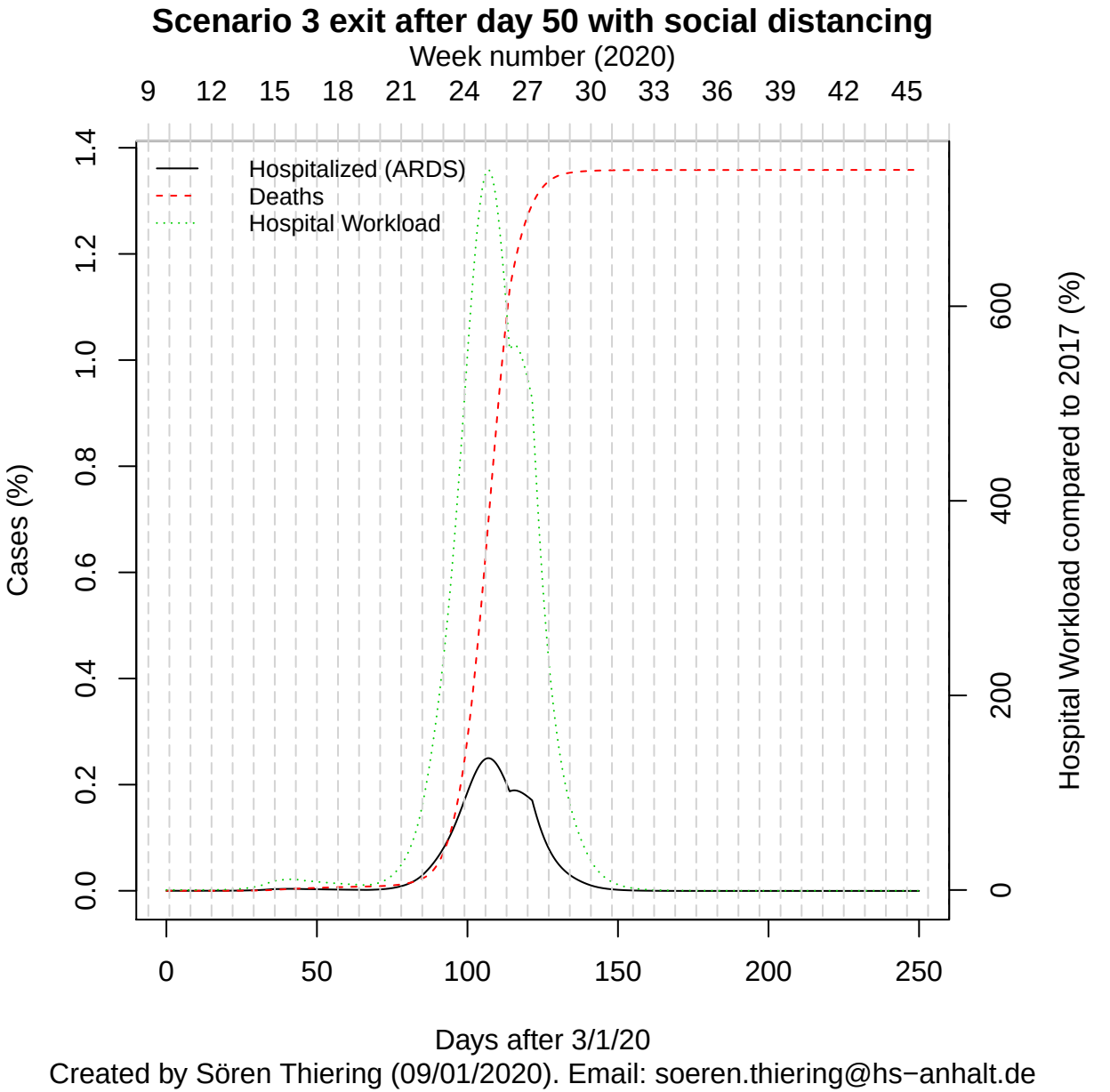
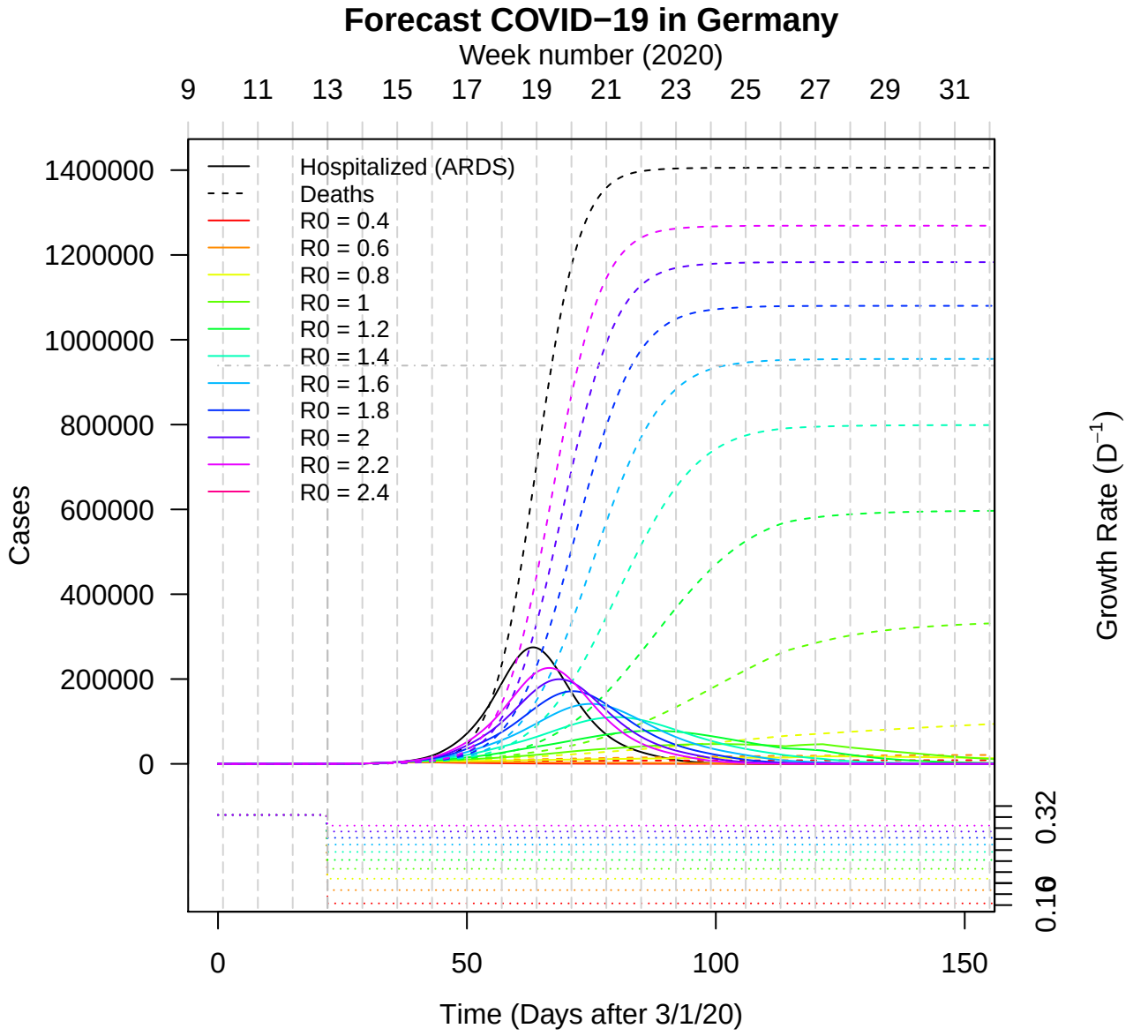

Scenario 3 exit after day 50 with social distancing
Week number (2020)
9
12
15
18
21
24
27
30
33
36
39
42
45
Cases (%)
0
20
40
60
80
100
Susceptibles (Noninfected)
Exposed (Incubation Time)
Infected
Hospitalized (ARDS)
Recovered
Deaths
Confirmed Cases (Total Infected)
0
50
100
150
200
250
Days after 3/1/20
Created by Sören Thiering (09/01/2020). Email: soeren.thiering@hs−anhalt.de


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
Hospitalized (ARDS)
Deaths
Hospital Workload
Cases
0e+00
2e+05
4e+05
6e+05
8e+05
1e+06
Hospital Workload compared to 2017 (%)
0
200
400
600
0
50
100
150
200
250
Days after 3/1/20
Created by Sören Thiering (09/01/2020). Email: soeren.thiering@hs−anhalt.de


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
Hospitalized (ARDS)
Deaths
Hospital Workload
Cases (%)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
Hospital Workload compared to 2017 (%)
0
200
400
600
0
50
100
150
200
250
Days after 3/1/20
Created by Sören Thiering (09/01/2020). Email: soeren.thiering@hs−anhalt.de



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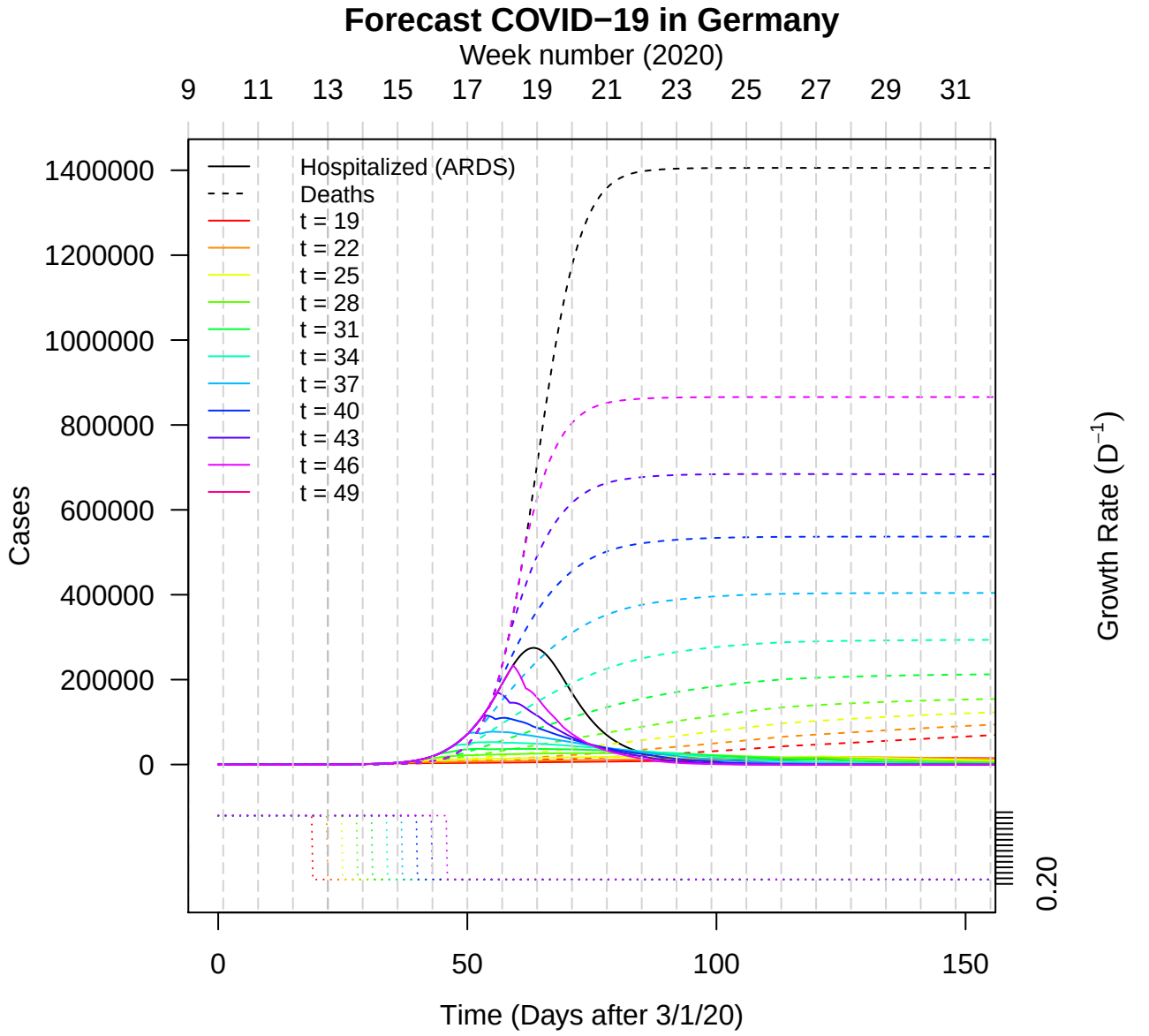
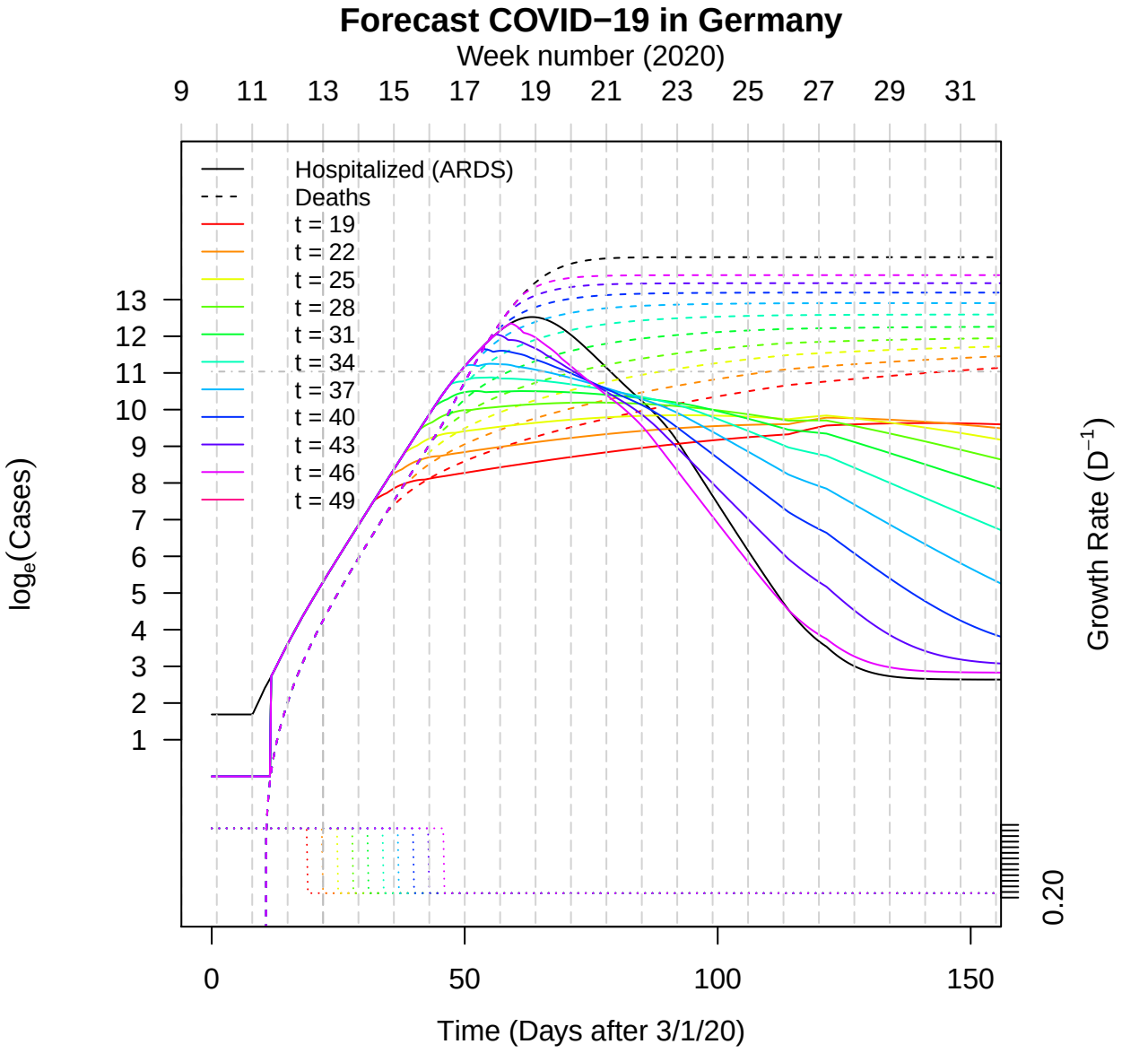


Created by Sören Thiering (09/01/2020). Email: soeren.thiering@hs−anhalt.de



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