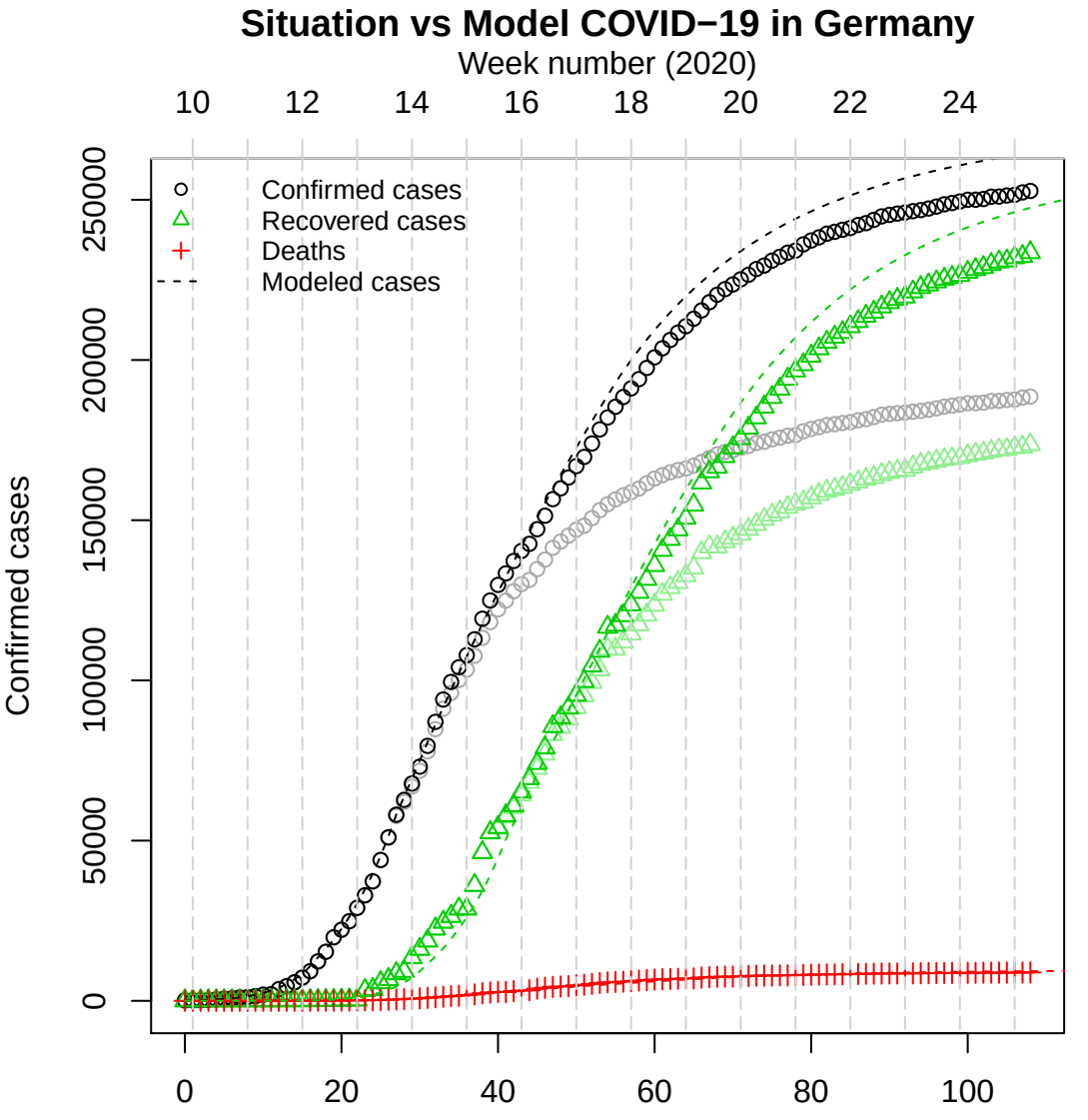

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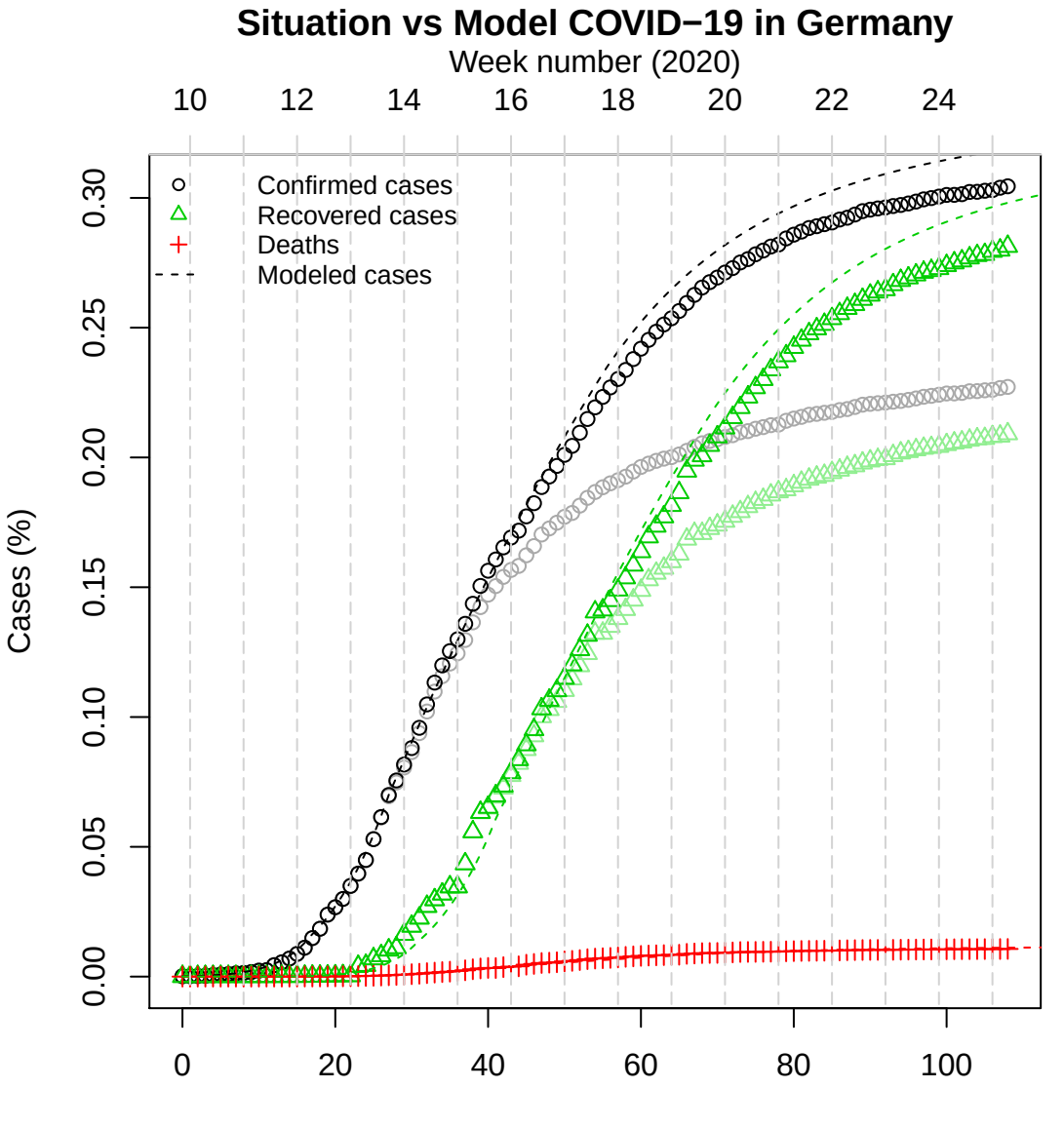
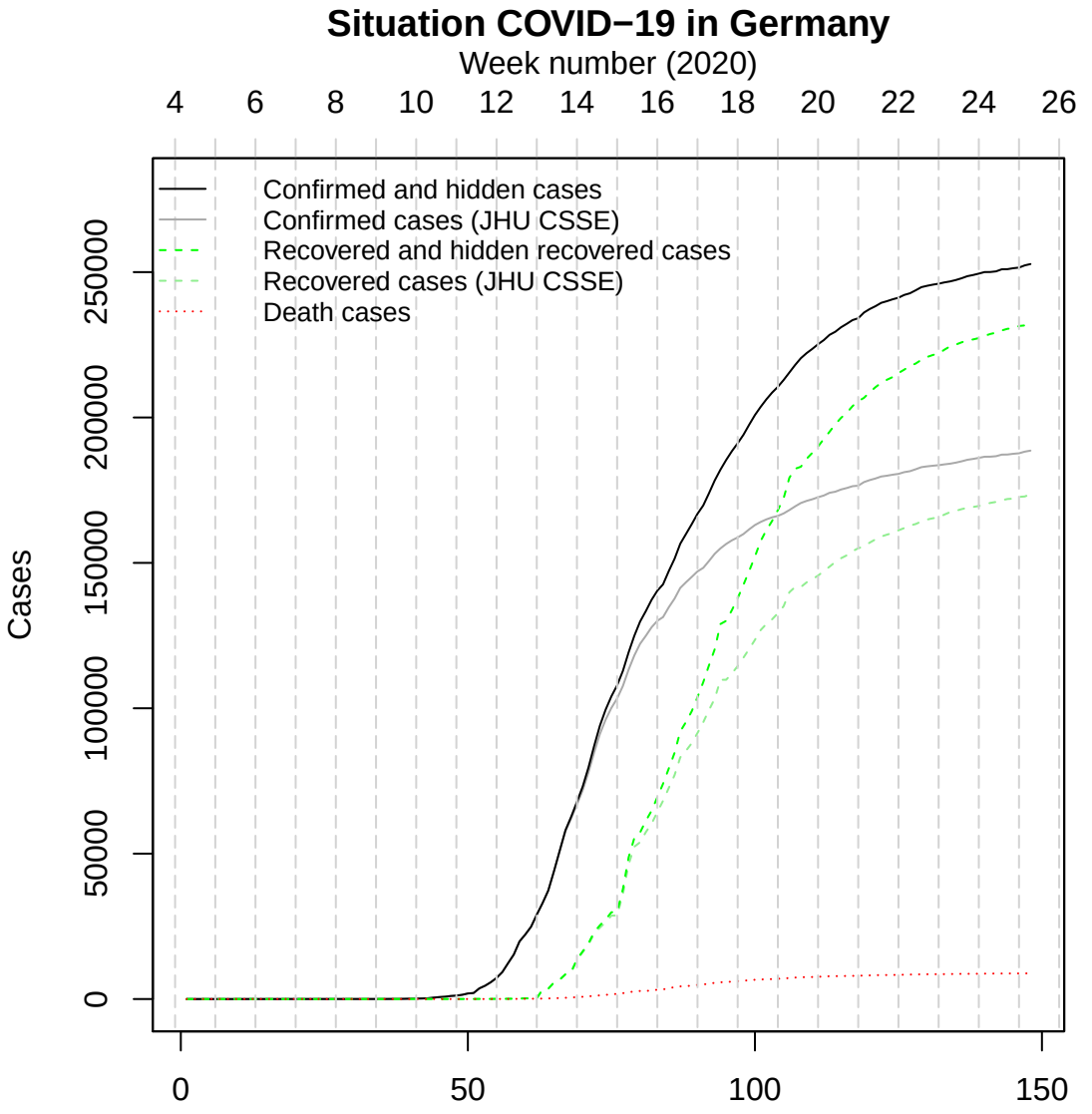

Situation vs Model COVID−19 in Germany
Week number (2020)
10
12
14
16
18
20
22
24
Confirmed cases
Recovered cases
Deaths
Modeled cases
Cases (%)
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0
20
40
60
80
100
Days after 3/1/20
Created by Sören Thiering (06/19/2020). Email: soeren.thiering@hs−anhalt.de



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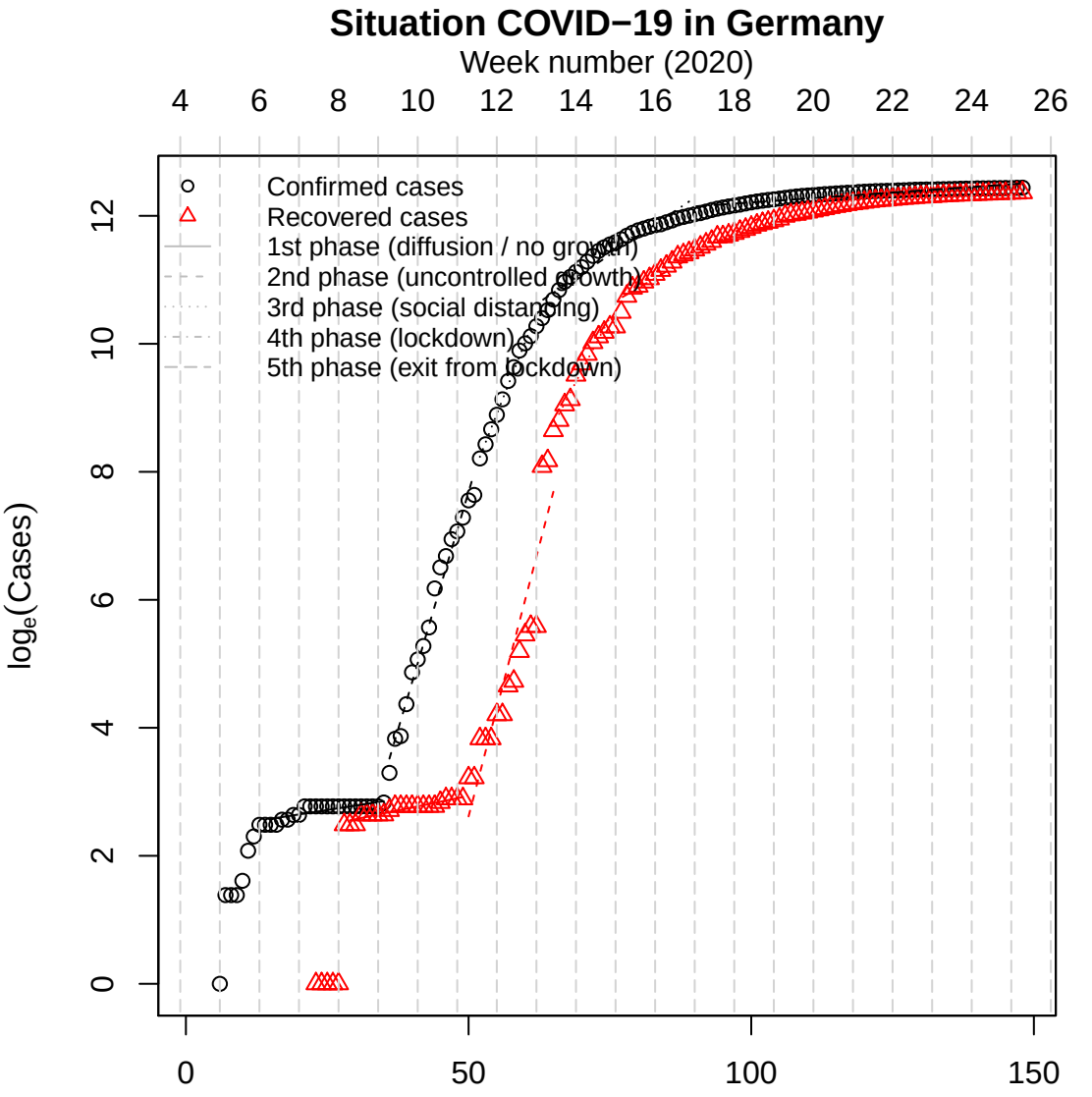

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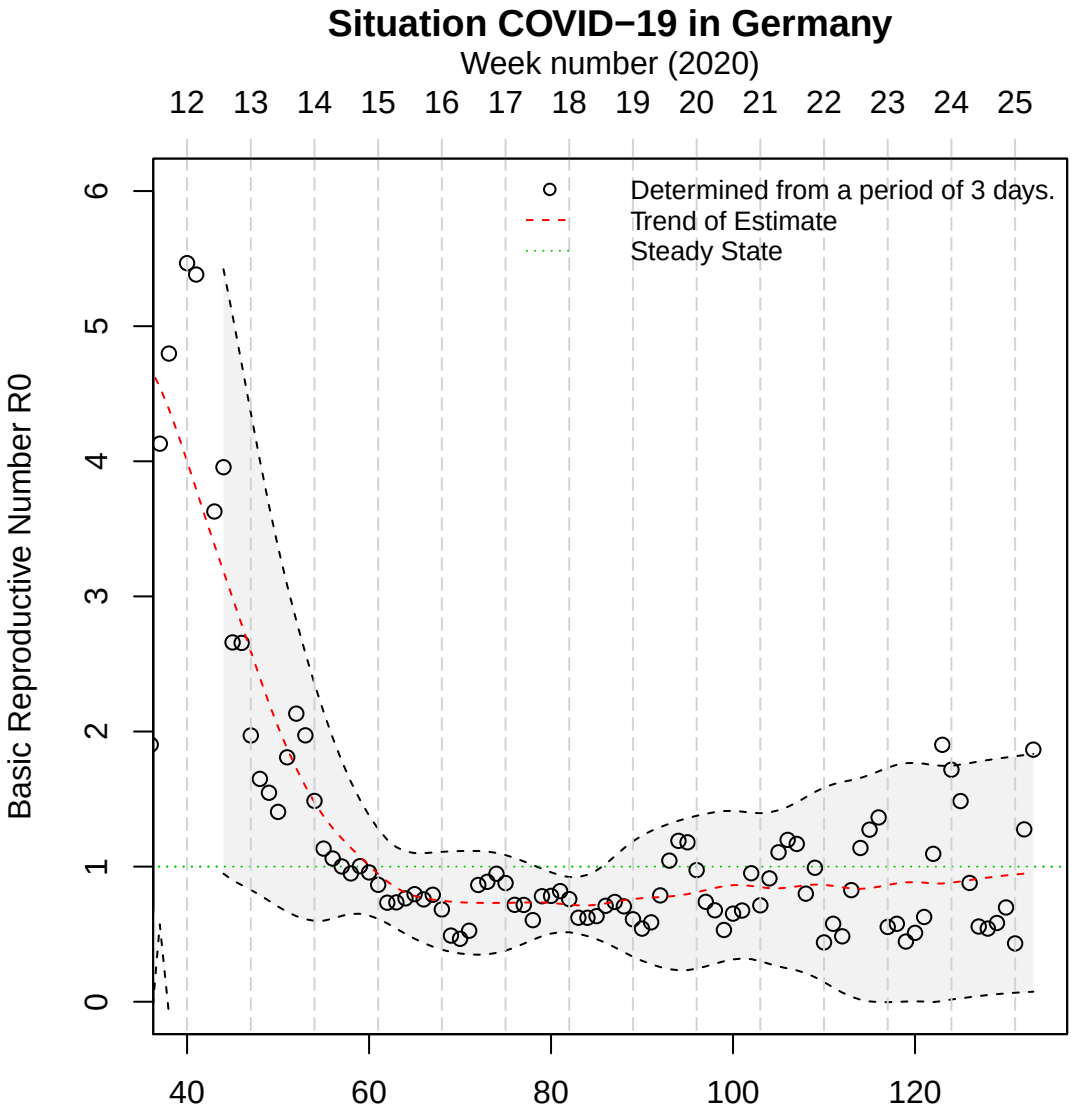

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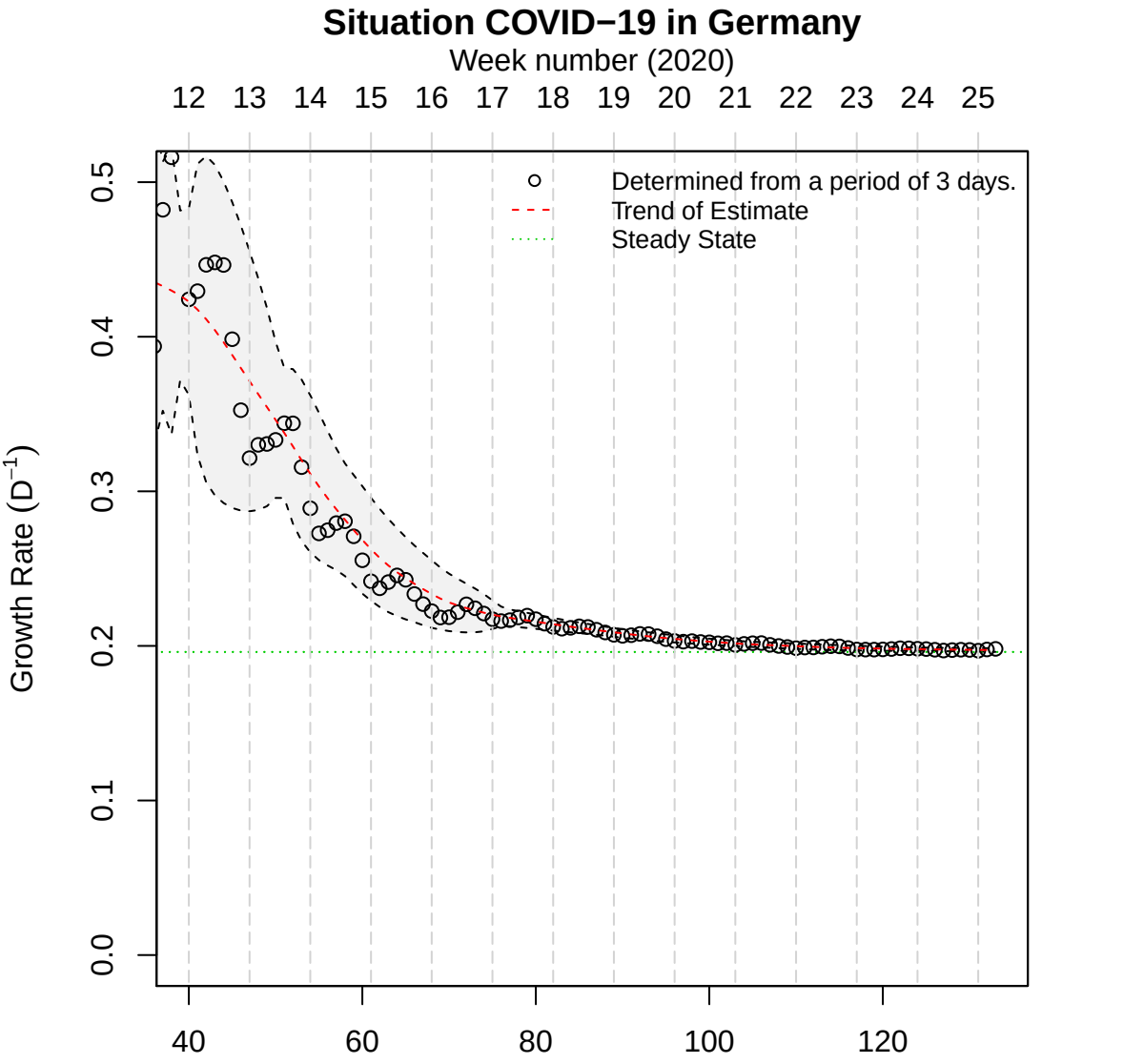

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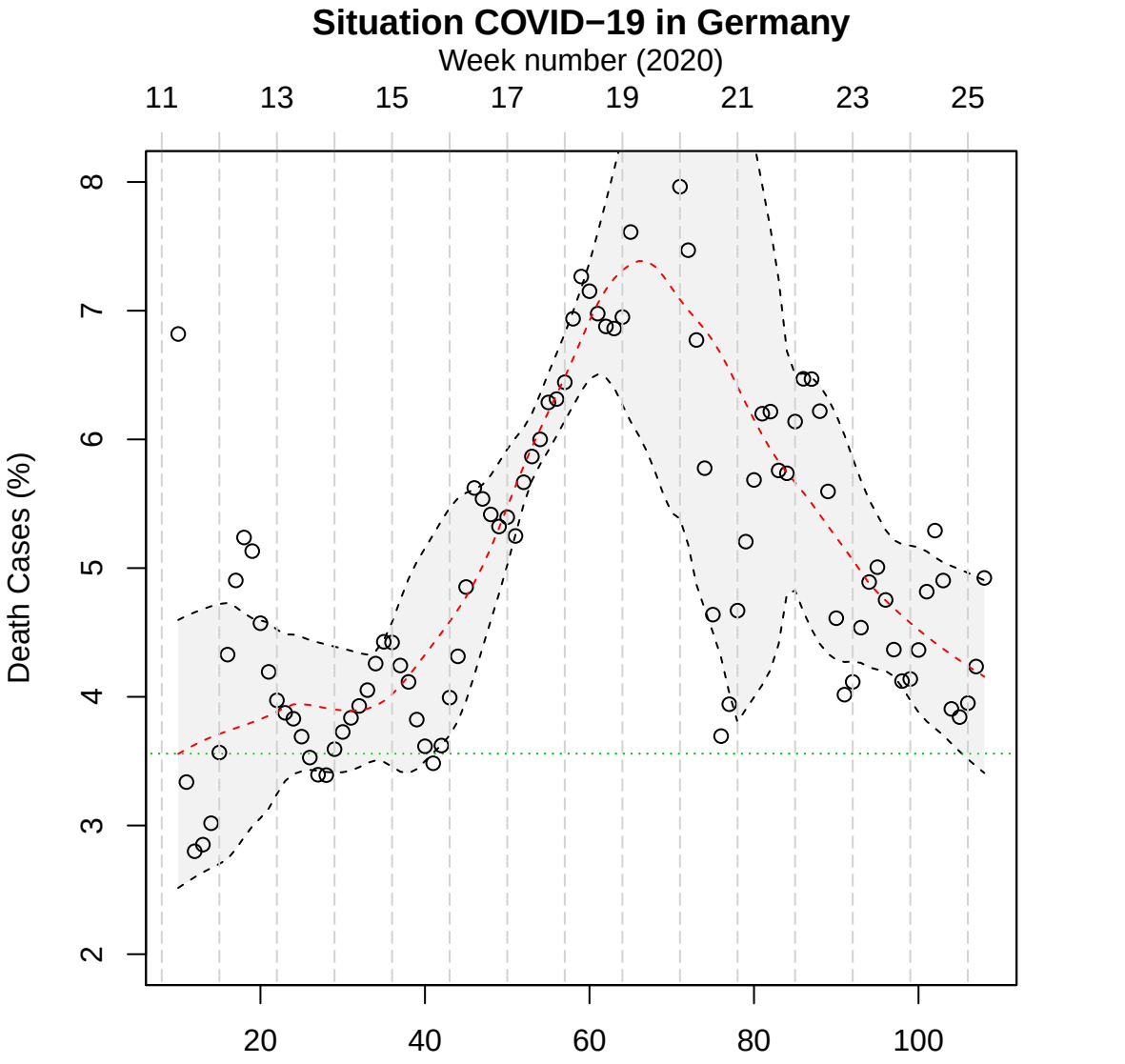

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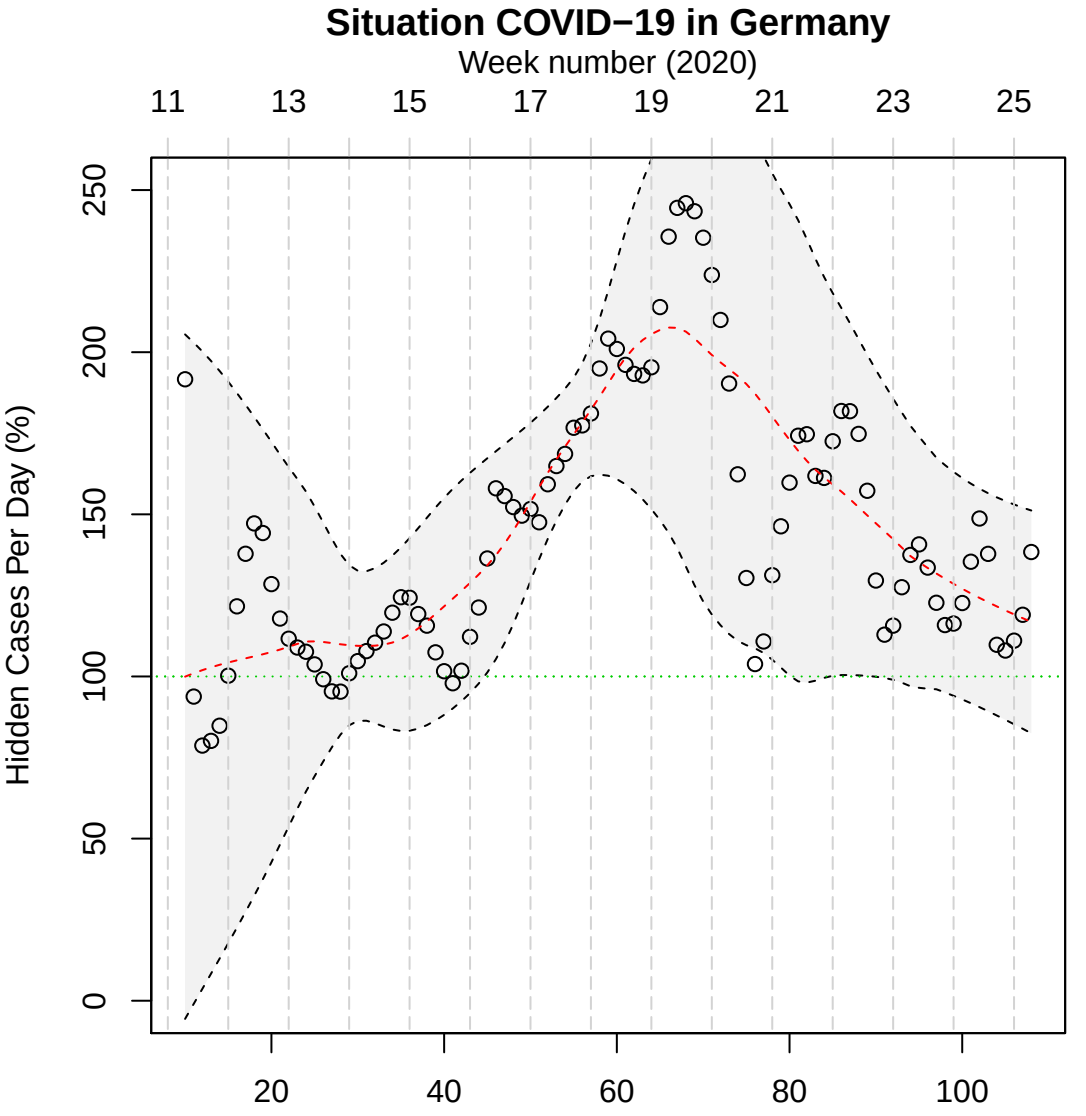

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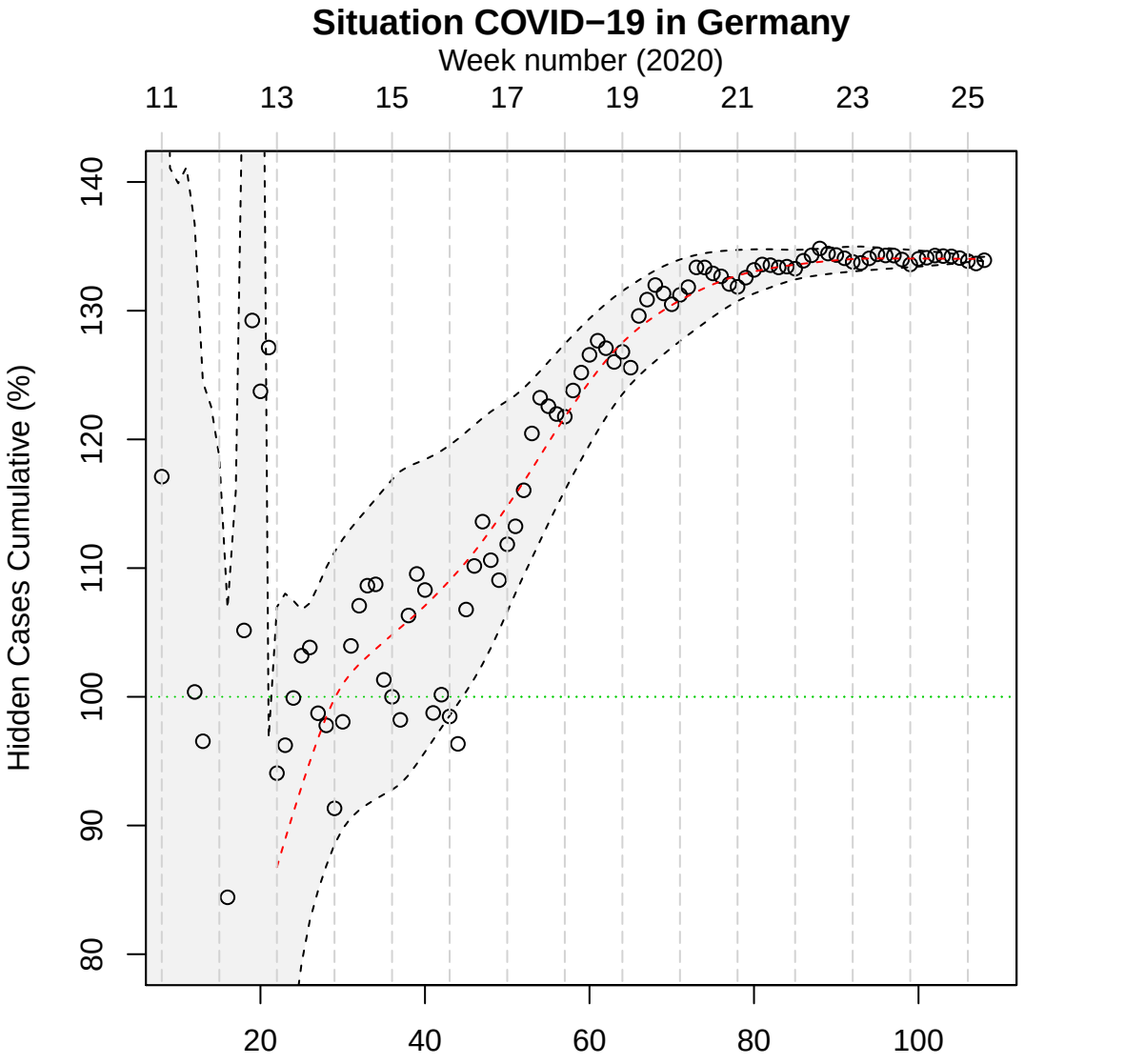

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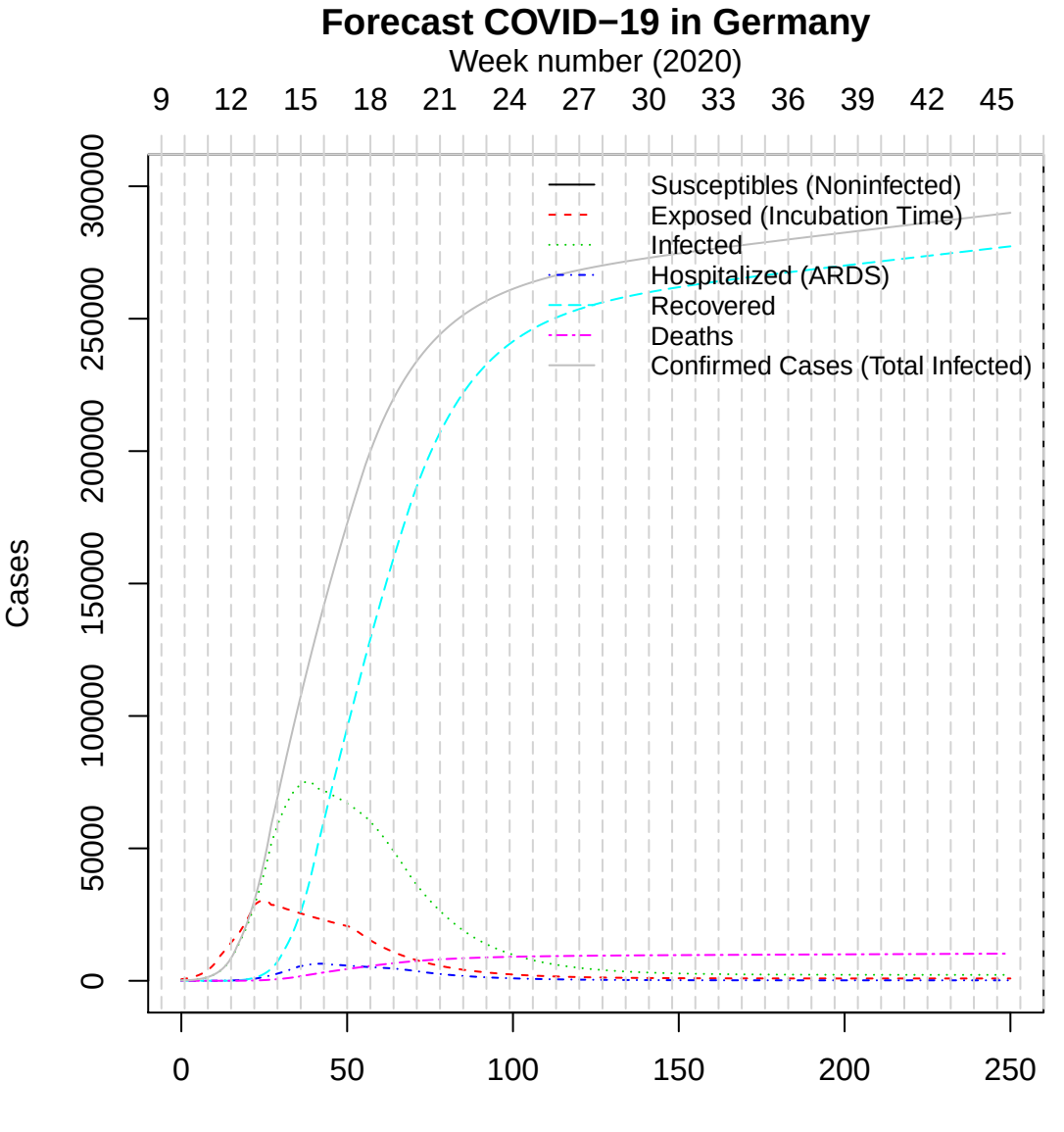

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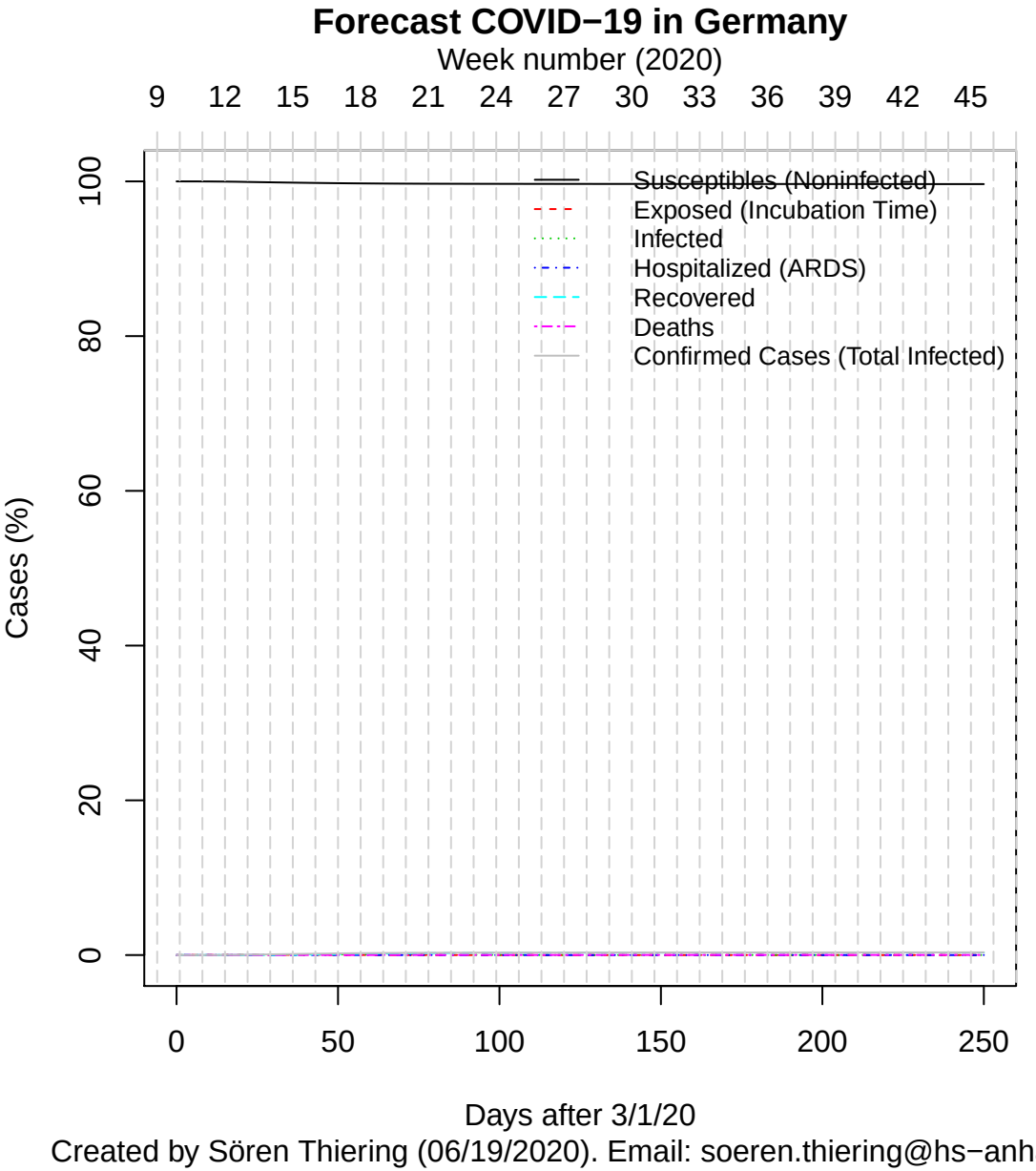
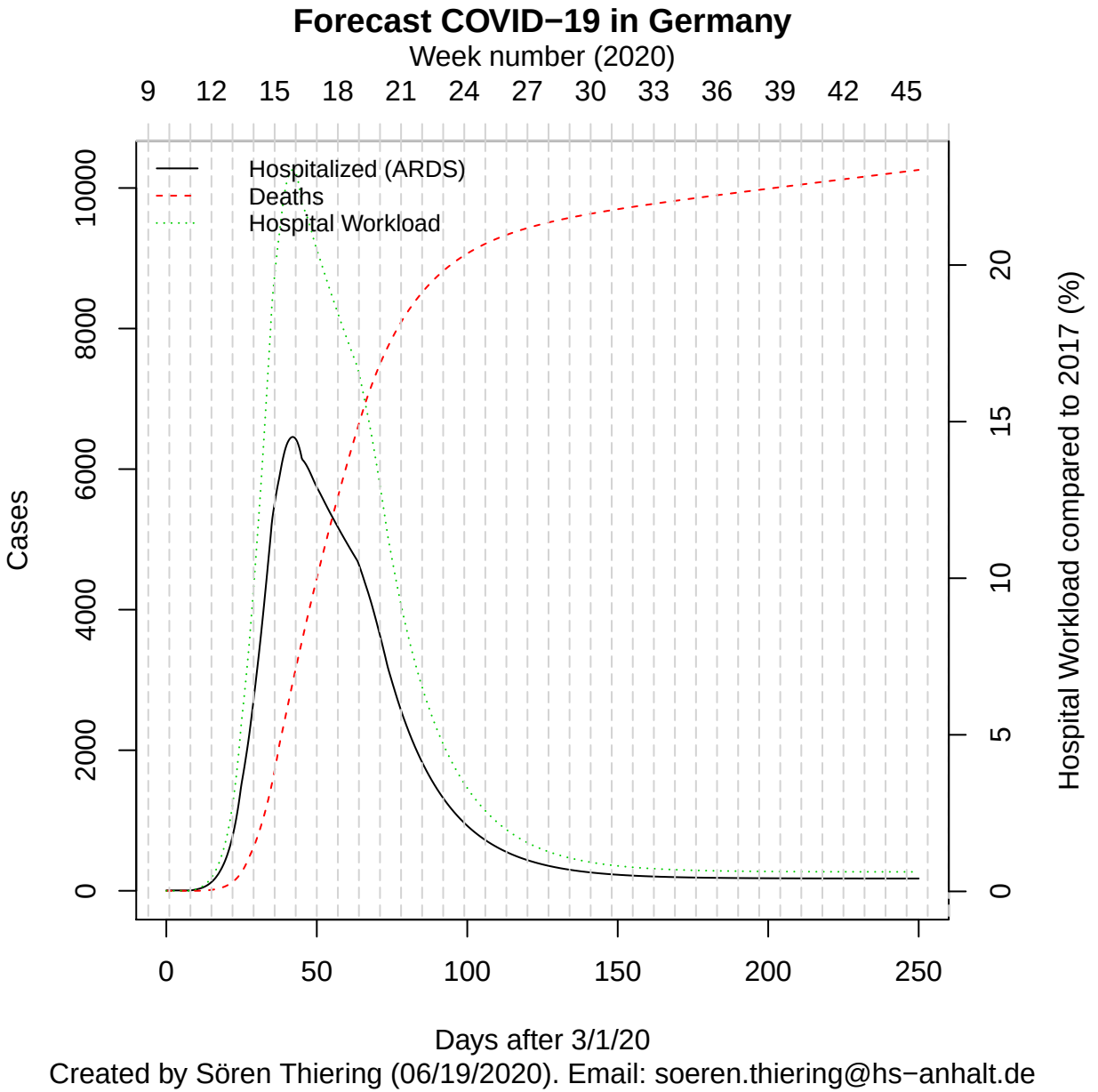
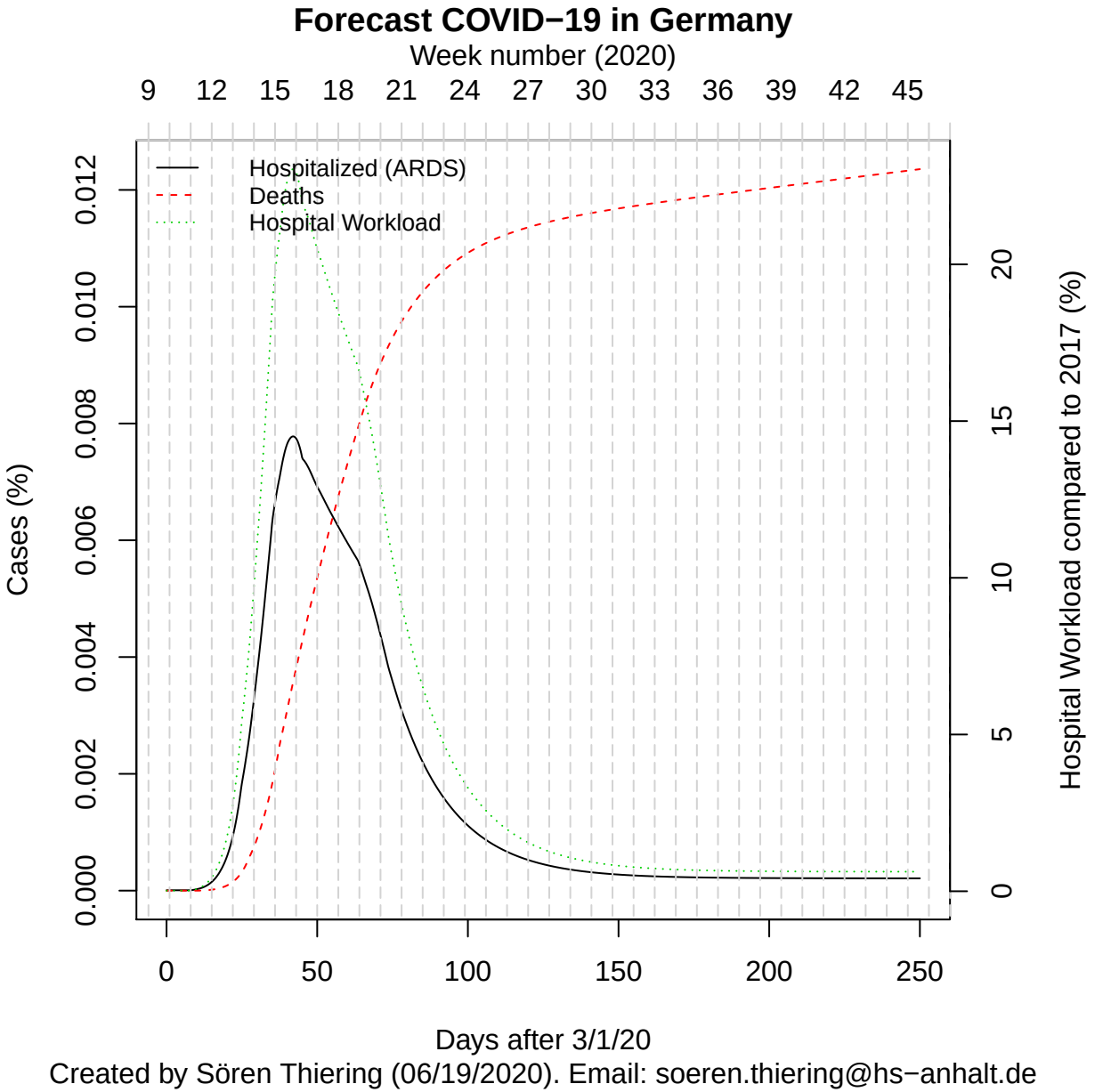
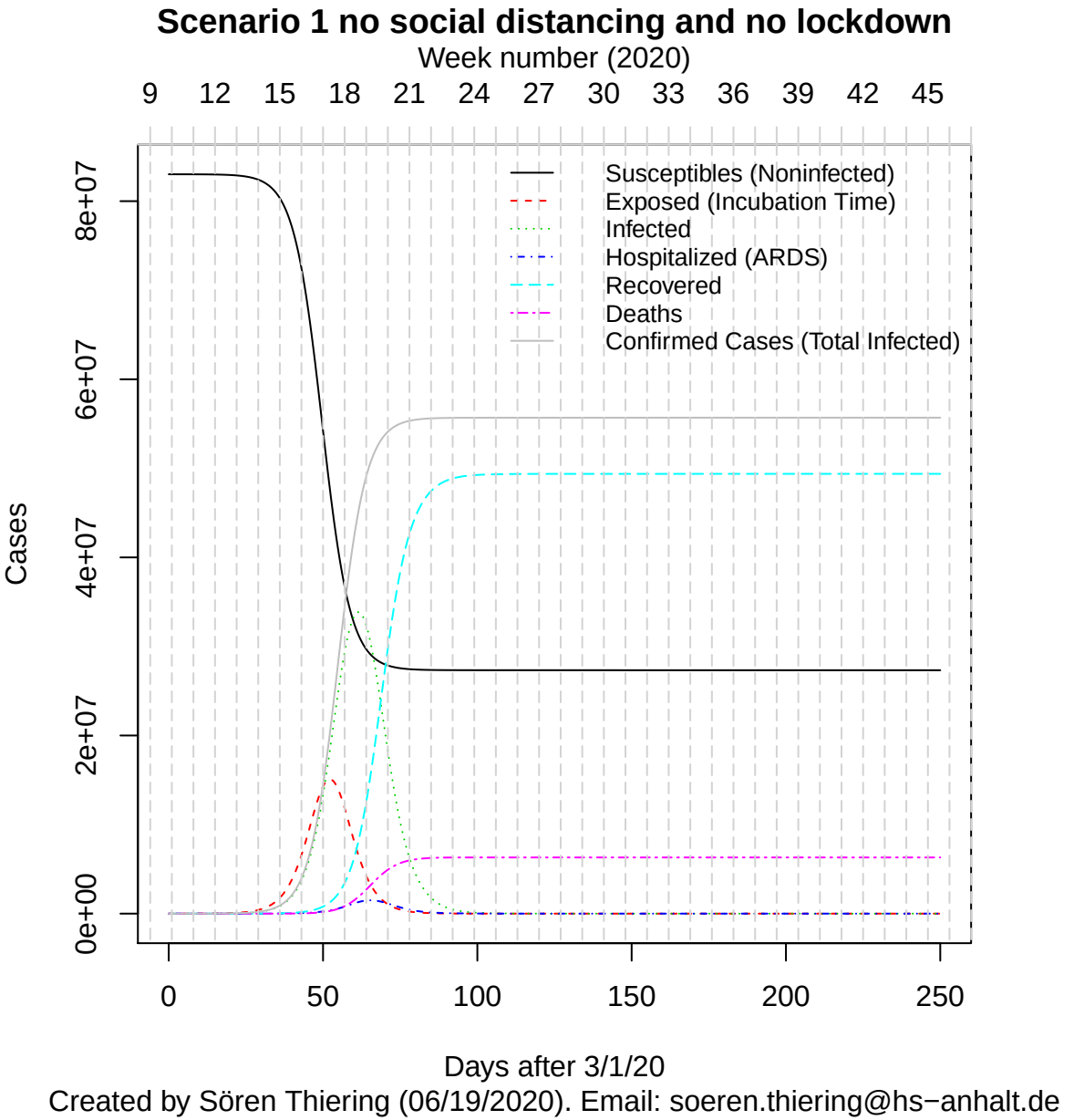
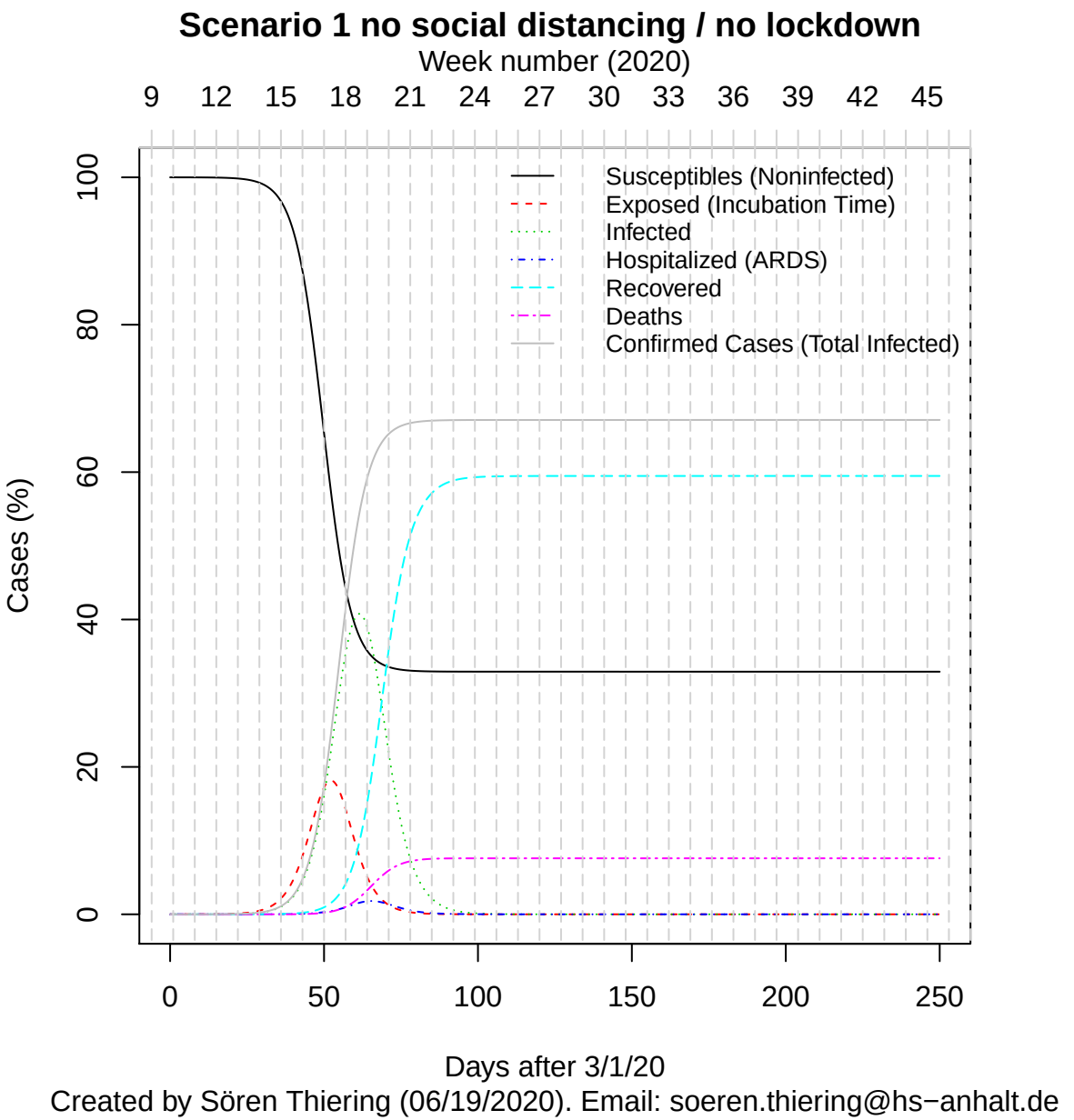

Forecast COVID−19 in Germany
Week number (2020)
9
12
15
18
21
24
27
30
33
36
39
42
45
Susceptibles (Noninfected)
Exposed (Incubation Time)
Infected
Hospitalized (ARDS)
Recovered
Deaths
Confirmed Cases (Total Infected)
Cases (%)
0
20
40
60
80
100
0
50
100
150
200
250
Days after 3/1/20
Created by Sören Thiering (06/19/2020). Email: soeren.thiering@hs−anhalt.de

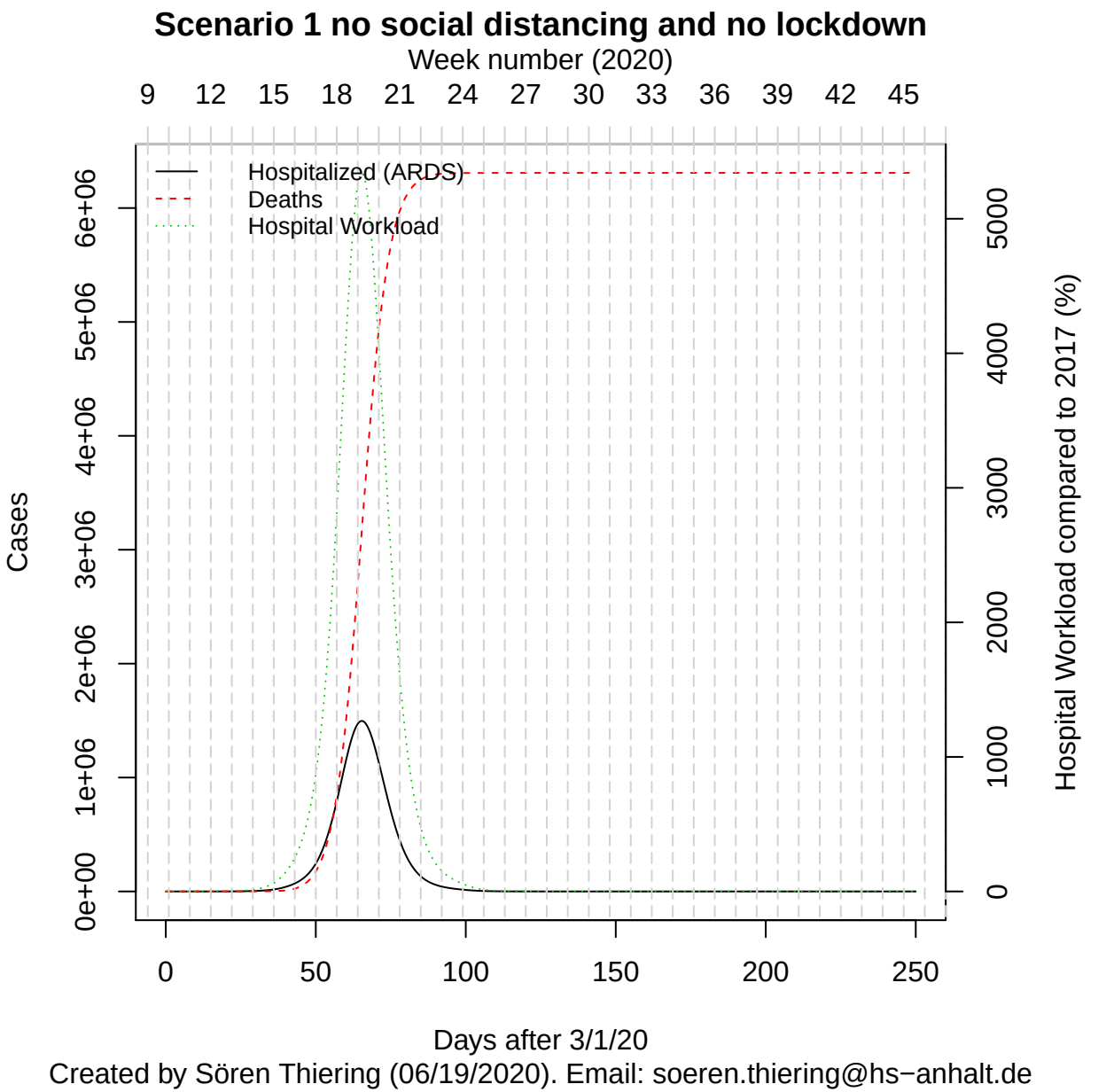


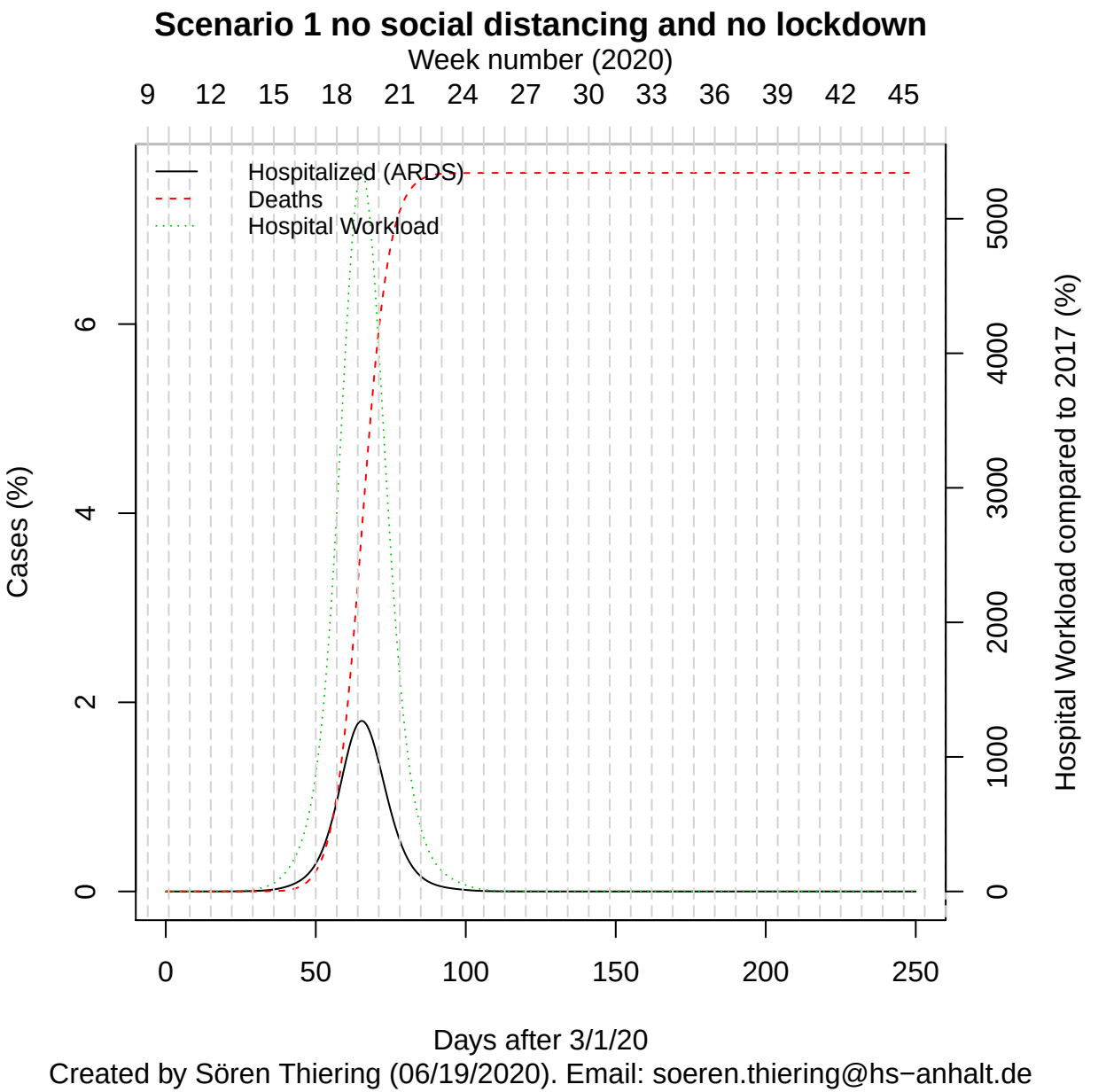
Created by Sören Thiering (06/19/2020). Email: soeren.thiering@hs−anhalt.de


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 5 10 15 20
0 50 100 150 200 250
Days after 3/1/20
Created by Sören Thiering (06/19/2020). 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
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 (06/19/2020). Email: soeren.thiering@hs−anhalt.de


Scenario 1 no social distancing / no lockdown
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 (06/19/2020). 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
0e+00
1e+06
2e+06
3e+06
4e+06
5e+06
6e+06
Hospital Workload compared to 2017 (%)
0
1000
2000
3000
4000
5000
0
50
100
150
200
250
Days after 3/1/20
Created by Sören Thiering (06/19/2020). Email: soeren.thiering@hs−anhalt.de



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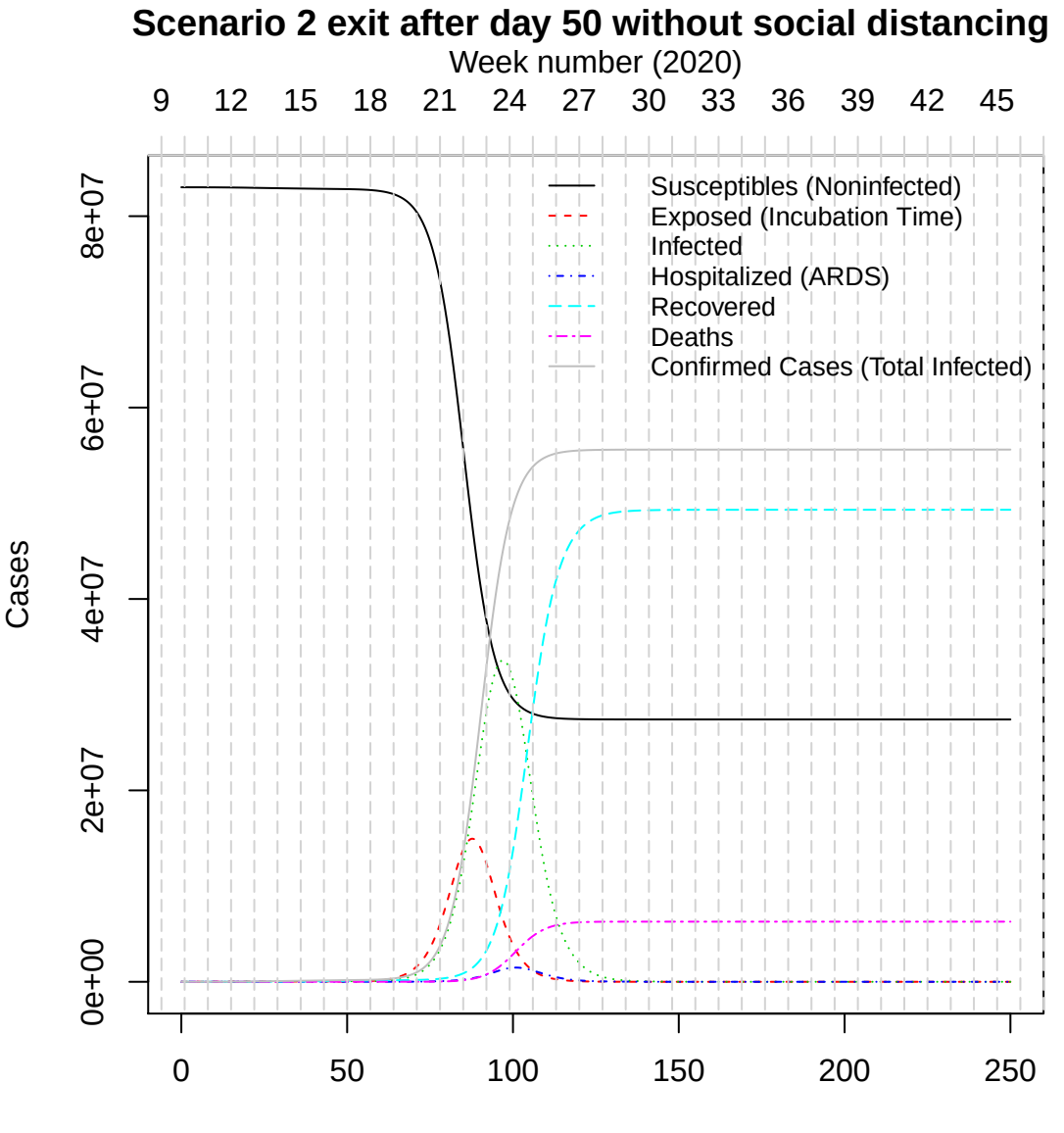

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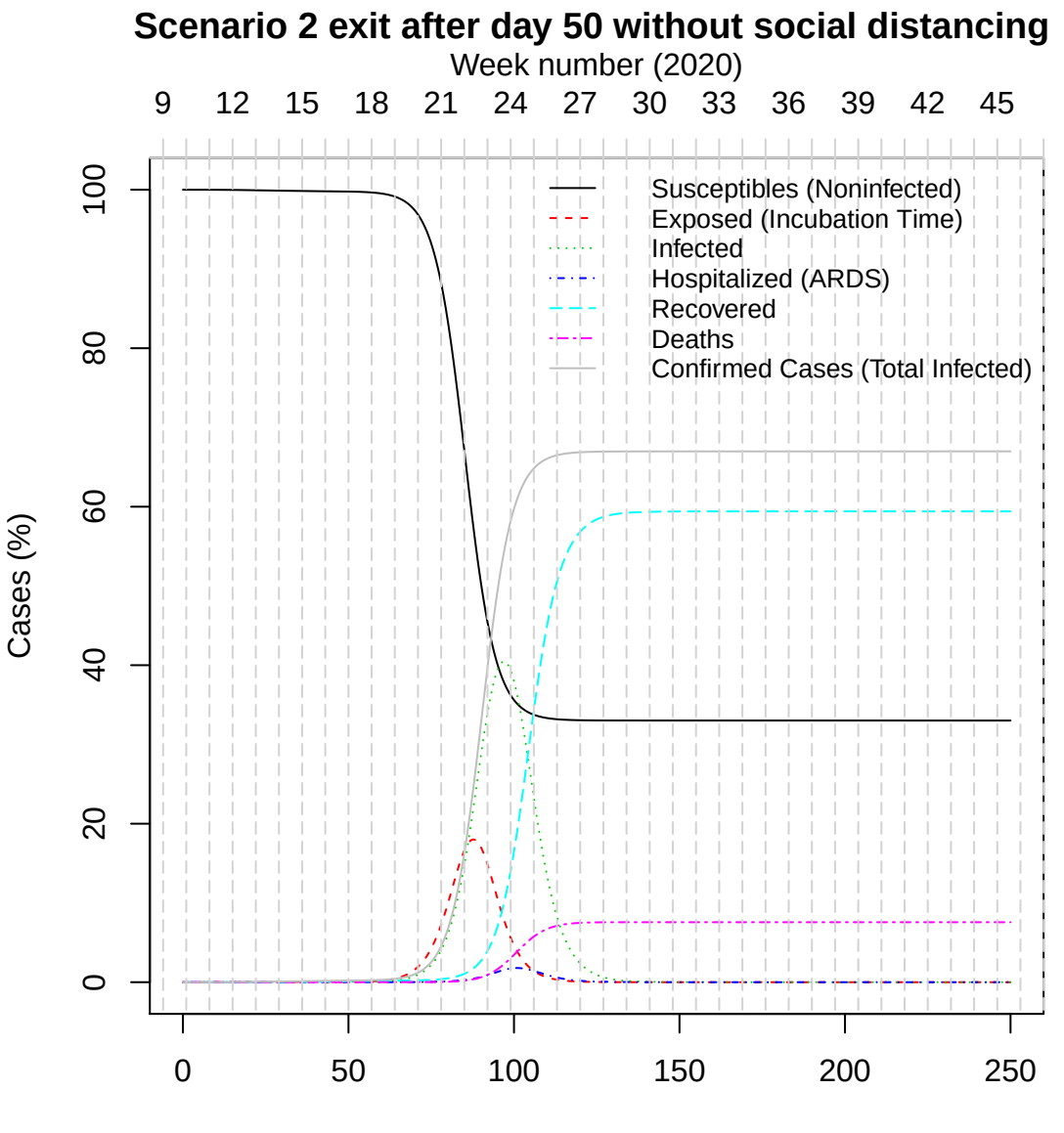

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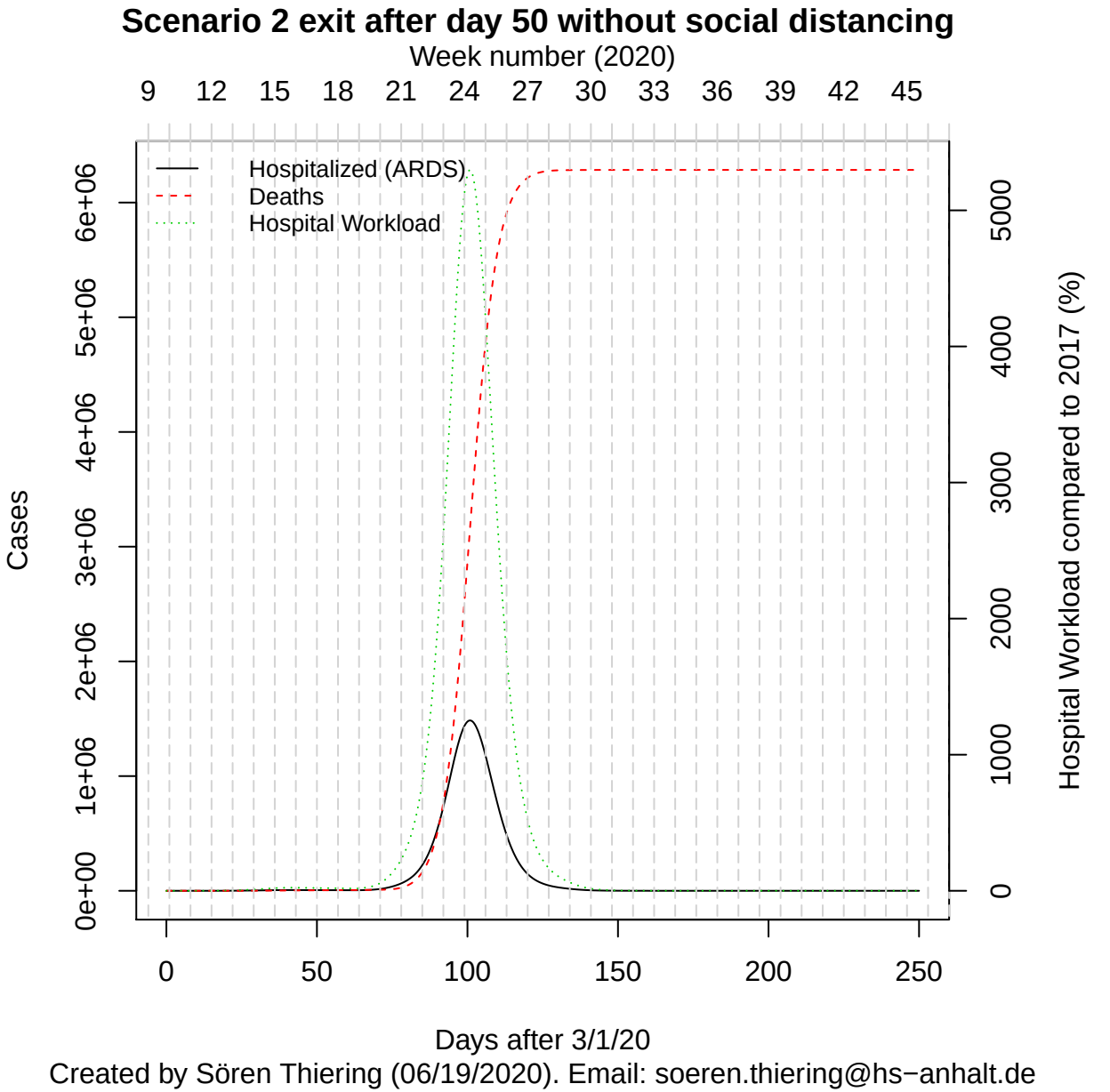

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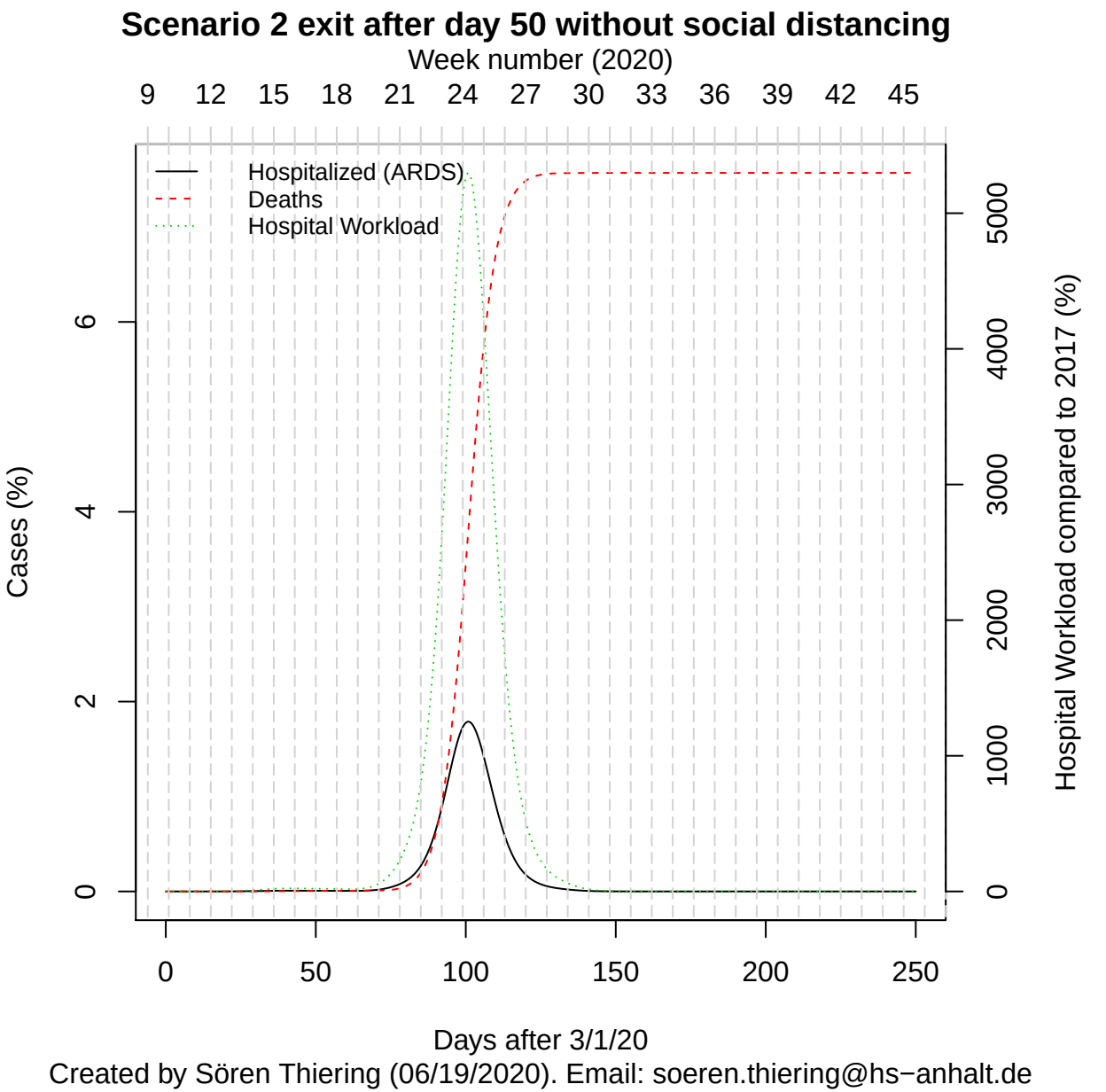

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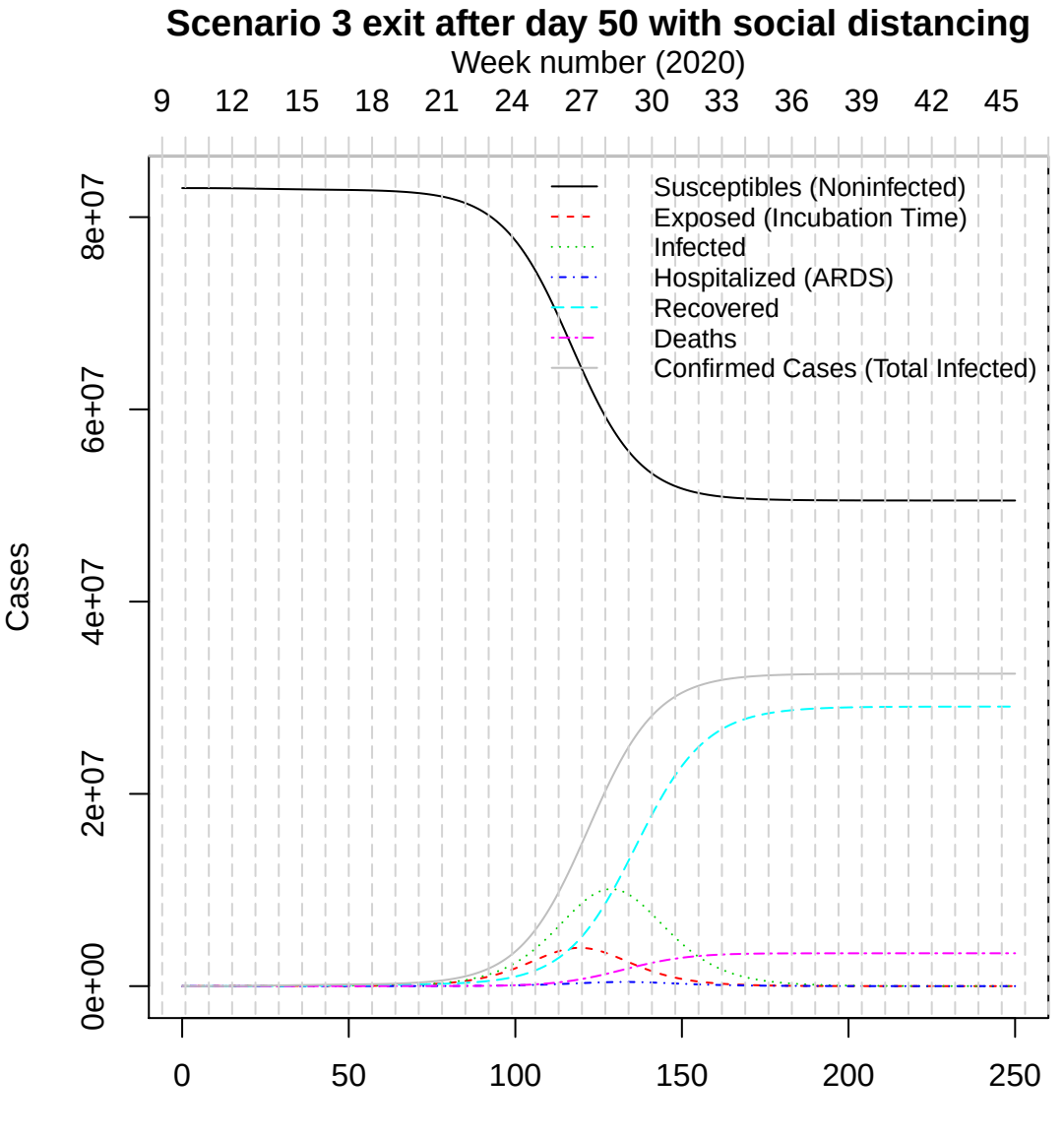
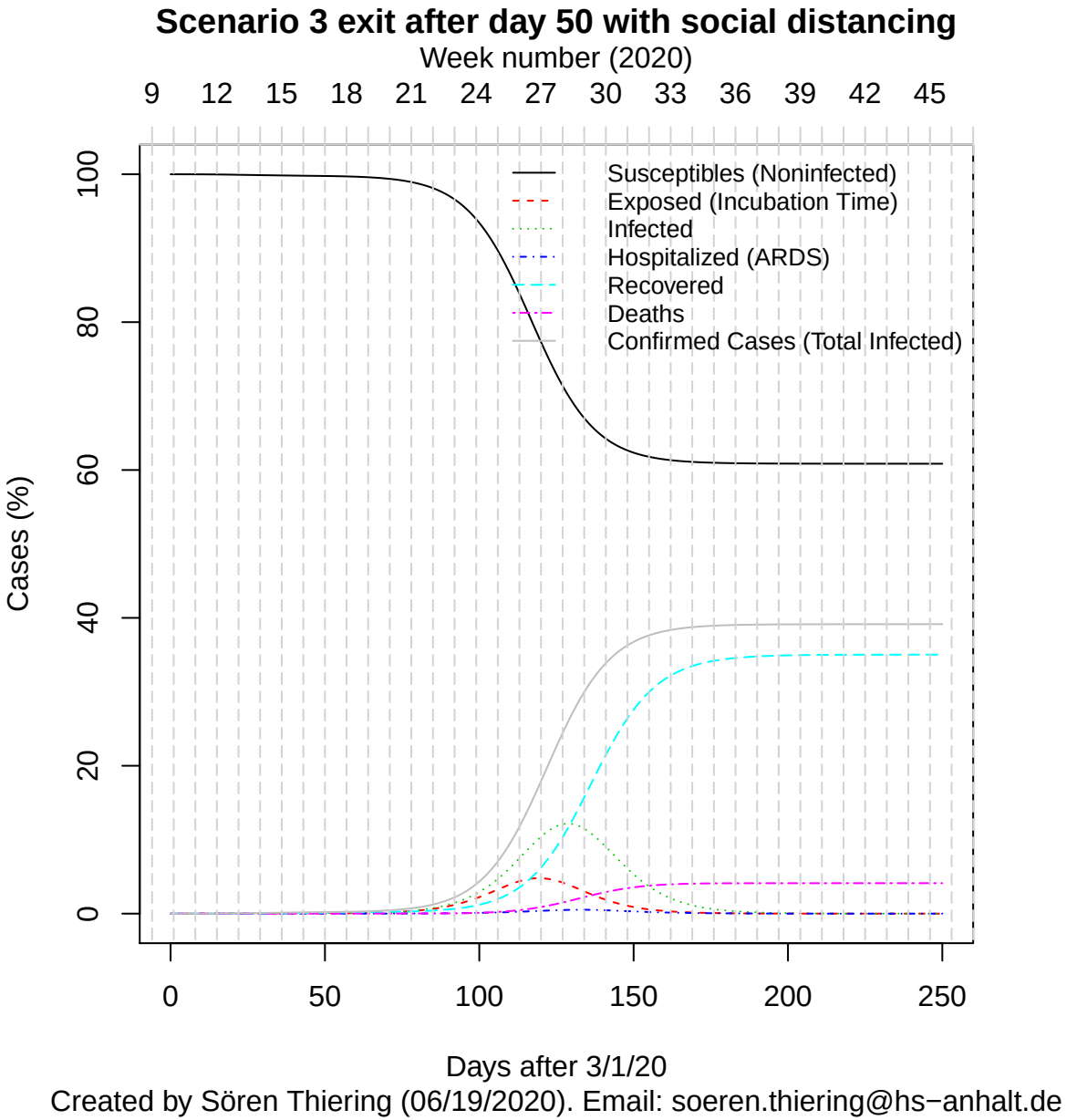
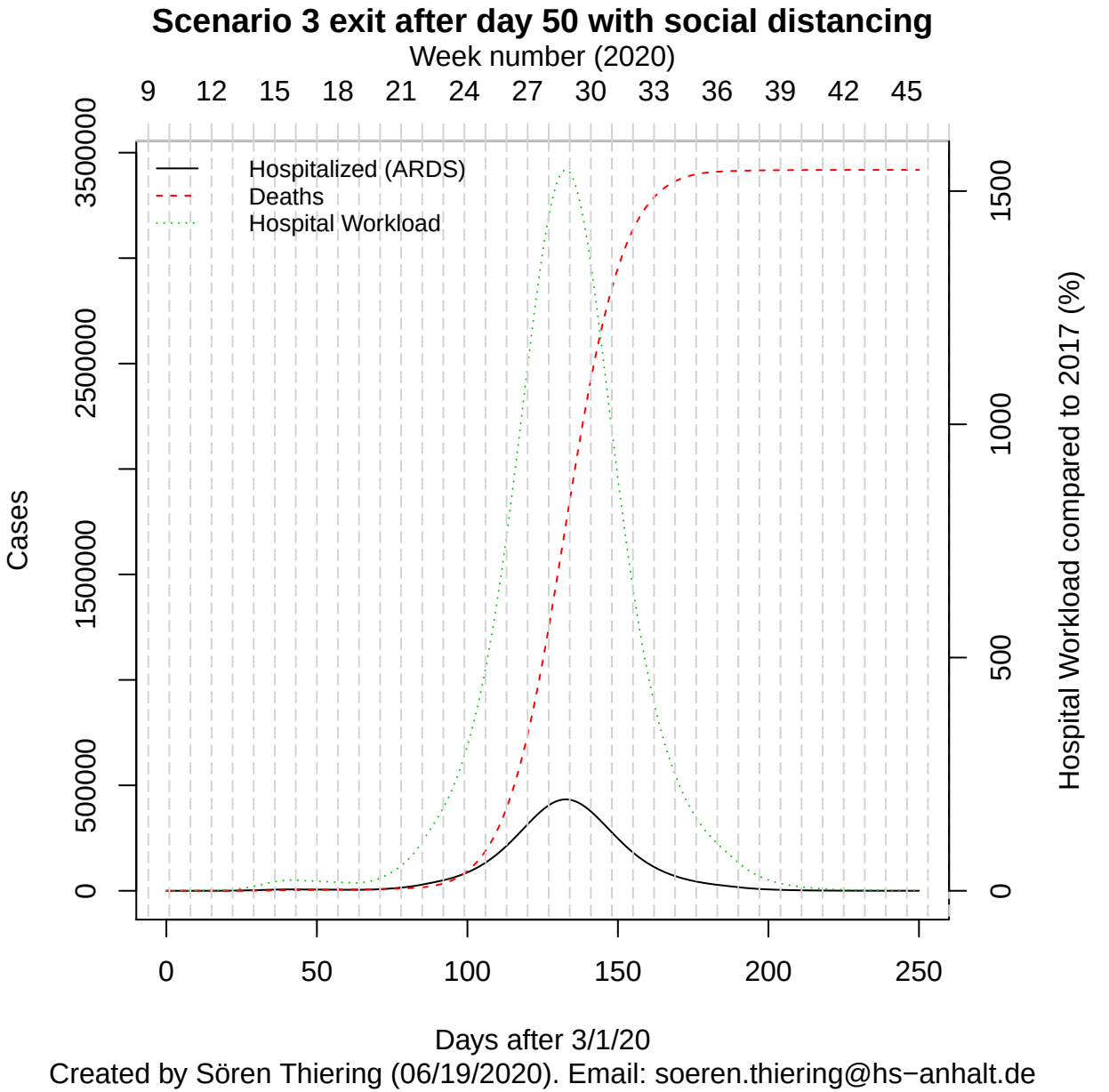

Scenario 3 exit after day 50 with social distancing
Week number (2020)
9
12
15
18
21
24
27
30
33
36
39
42
45
Susceptibles (Noninfected)
Exposed (Incubation Time)
Infected
Hospitalized (ARDS)
Recovered
Deaths
Confirmed Cases (Total Infected)
Cases
0e+00
2e+07
4e+07
6e+07
8e+07
0
50
100
150
200
250
Days after 3/1/20
Created by Sören Thiering (06/19/2020). 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
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 (06/19/2020). Email: soeren.thiering@hs−anhalt.de



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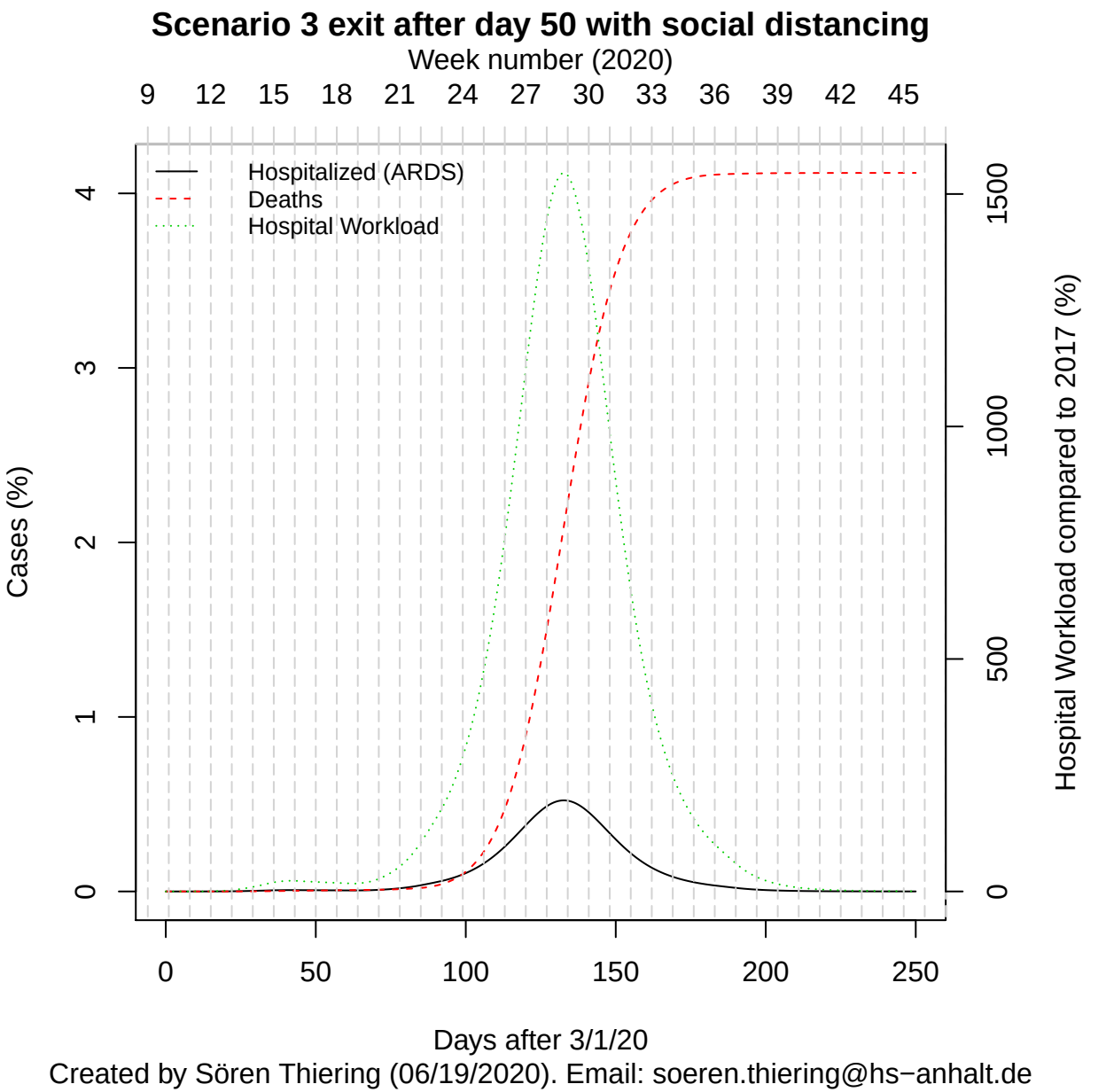

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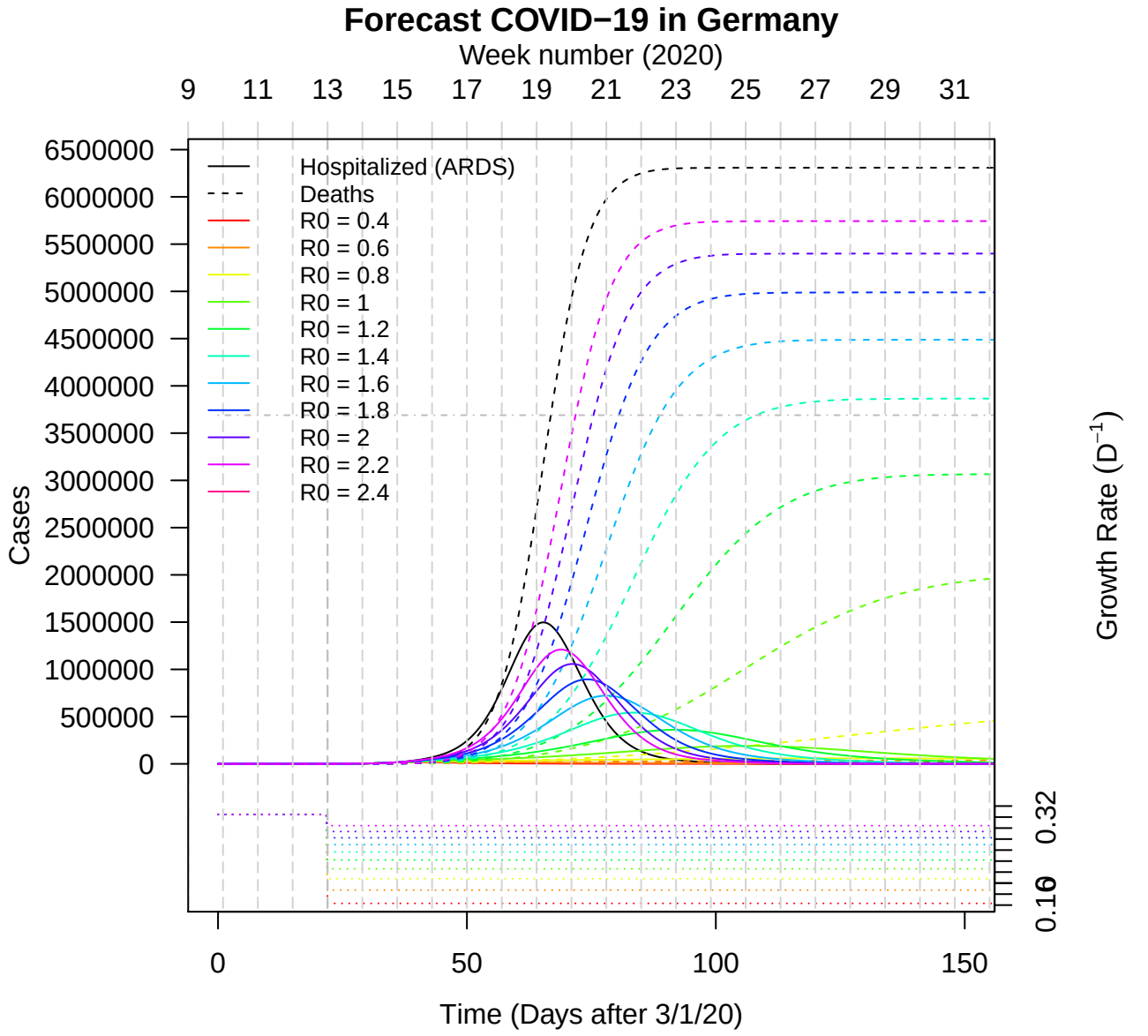

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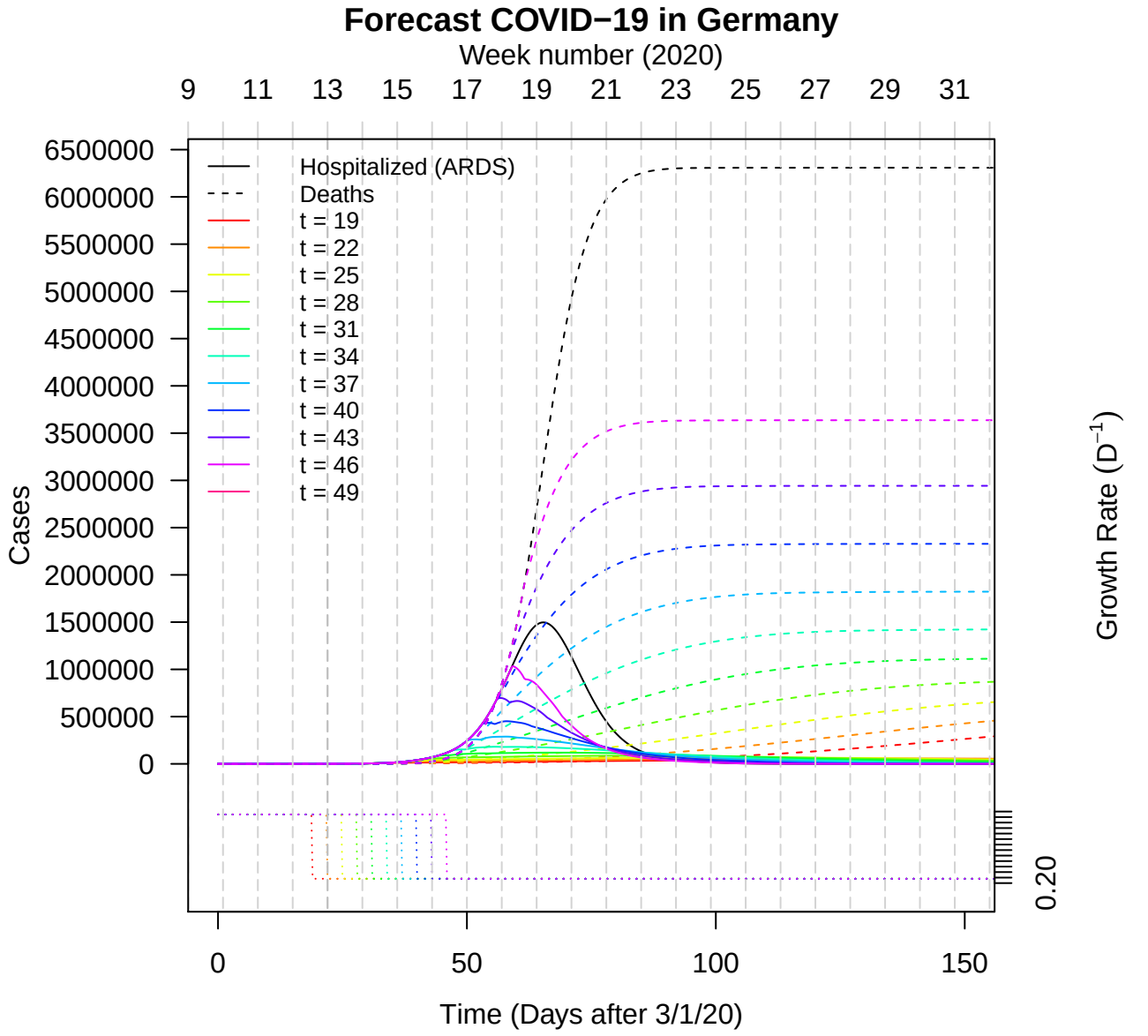

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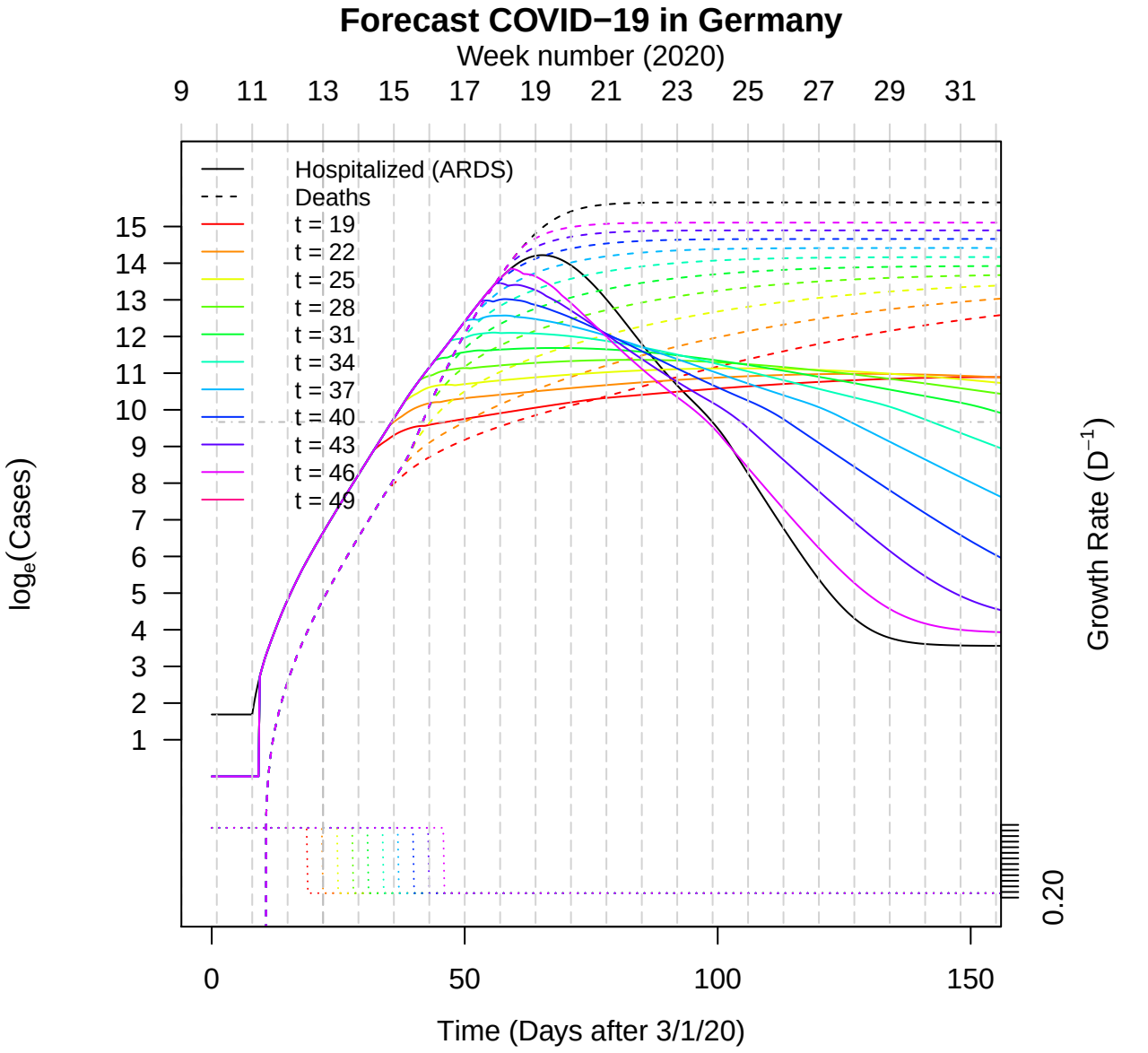

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