			First-Order↙	
Norm of				
Iteration	Func-count	Residual	optimality	Lambda↙
step				
0	4	0.0694079	0.316	0.01
1	8	6.73034e-05	0.0176	0.001↙
0.243741				
2	12	4.64754e-10	4.13e-05	0.0001↙
0.00628919				
3	16	3.75398e-18	1.42e-09	1e-05↙
1.8289e-05				
4	20	4.6218e-28	1.42e-14	1e-06↙
2.04729e-09				

Equation solved.

fsolve completed because the vector of function values is near zero
as measured by the value of the function tolerance, and
the problem appears regular as measured by the gradient.

<stopping criteria details>
Max. abs. error in calibration targets:1.6931e-14

pis1 =

   7.8215e-08

pis2 =

   1.2411e-04

pis3 =

    0.3892

RnotSIR =

    1.4998

			First-Order↙	
Iteration	Func-count	Residual	optimality	Lambda↙
Norm of step				
0	1751	0.000482659	1.48e-05	0.01
1	3502	0.000481991	1.45e-05	0.001↙
0.00578071				
2	5253	0.000475375	1.44e-05	0.0001↙
0.0574099				
3	7004	0.000415576	1.36e-05	1e-05↙
0.537002				
4	8755	0.000141569	8.07e-06	1e-06↙
3.17147				
5	10506	1.61855e-06	8.41e-07	1e-07↙
3.86924				
6	12257	2.01727e-10	8.49e-09	1e-08↙
0.452811				
7	14008	4.08296e-16	7.23e-11	1e-09↙
0.00514259				
8	15759	1.85726e-23	7.24e-11	1e-10↙
7.36711e-06				

Equation solved, solver stalled.

fsolve stopped because the relative size of the current step is less↙
than the
value of the step size tolerance and the vector of function values
is near zero as measured by the value of the function tolerance.

<stopping criteria details>
Equation solved. The magnitude of the search direction is less than↙
the specified tolerance
Max. abs. error in equilib. equations:7.0429e-13

aggCons_trough_percent =

   -5.5036

aggCons_avg_first_year_percent =

   -2.4969

terminal_one_minus_susceptibles_percent =

    56.6604

peak_infection_percent =

    5.9271

terminal_death_share_percent =

    0.1417

terminal_number_deaths_US_millions =

    0.4674

Elapsed time is 33.035659 seconds.
>>