EpiEstim for $R_e(t)$ in the NL

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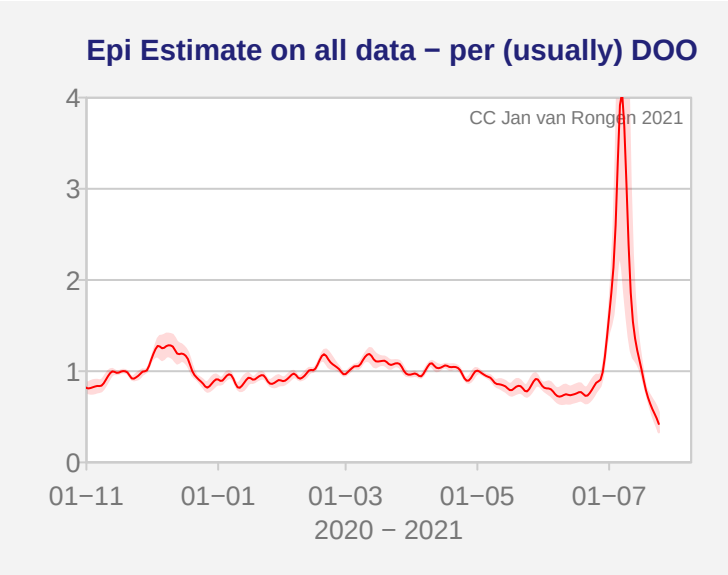
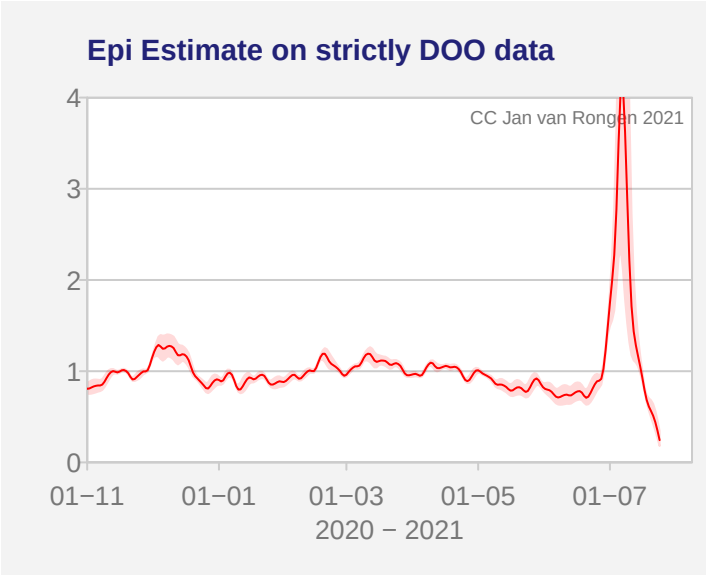
Explanation

We estimate the effective R in the Netherlands from RIVM data. This $R_e(t)$ is derived from the R module Epis Estim software. We use a version of the algorithm where the serial interval is not fixed but is given a "prior" class of distribution. This is a classical Bayesian way to approach the problem.

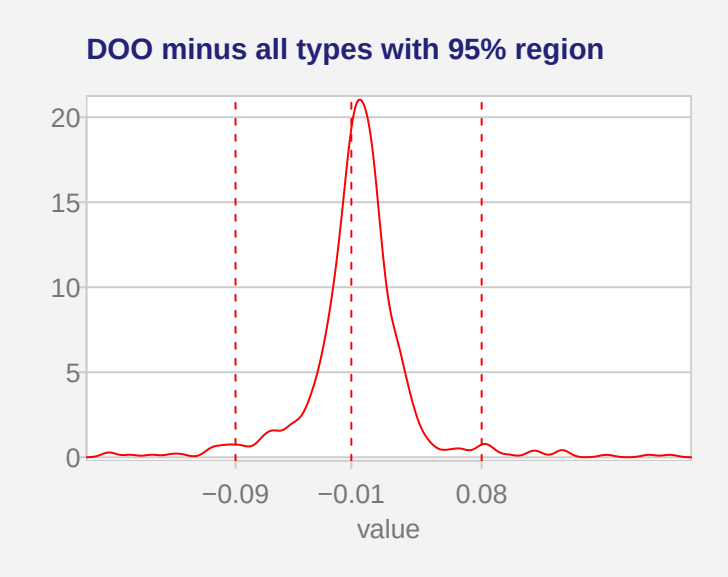
DOO or not?

As an addendum we compare all cases in the RIVM file with the cases that are strictly marked "DOO". There is no visual difference, but you can draw your own conclusions.





Are they exactly the same? No, but does it matter? I don't think so. The similarity (based on 1-RMSE) is approximately
96.1 percent on the recent half of the data. But also note that the EpiEstim approach in this case is a simulation so numbers will differ a bit each time you run this file.


DOO minus all types with 95% region
20
15
10
5
0
−0.09
−0.01
0.08
value