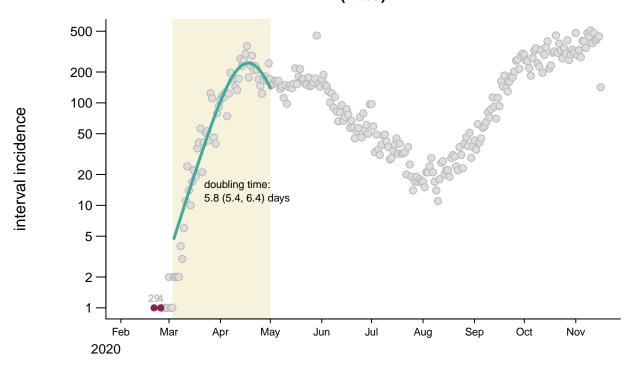
Weekly Update 3

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```
library(ggplot2)
library(dplyr)
##
## Attaching package: 'dplyr'
## The following objects are masked from 'package:stats':
##
##
       filter, lag
## The following objects are masked from 'package:base':
##
       intersect, setdiff, setequal, union
library(lubridate)
##
## Attaching package: 'lubridate'
## The following objects are masked from 'package:base':
##
##
       date, intersect, setdiff, union
library(anytime)
library(epigrowthfit)
## Loading required package: TMB
df <- read.csv("COVID19_cases.csv")</pre>
freq <- df %>%
  group_by(Date) %>%
 summarize(n=n())
## `summarise()` ungrouping output (override with `.groups` argument)
freq$Date <- anytime::anydate(freq$Date )</pre>
init1 <- egf_init(date = freq$Date, cases = freq$n, last = anytime::anydate("2020-05-01"))</pre>
fit1 <- egf(init1)</pre>
## Warning in nlminb(start = madf_out$par, objective = madf_out$fn, gradient =
## madf_out$gr, : NA/NaN function evaluation
plot(fit1)
```

Logistic model of interval incidence (fitted)



```
init2 <- egf_init(date = freq$Date, cases = freq$n, first = anytime::anydate("2020-08-15"))
fit2 <- egf(init2)
plot(fit2)</pre>
```

date

Logistic model of interval incidence (fitted)

date

