

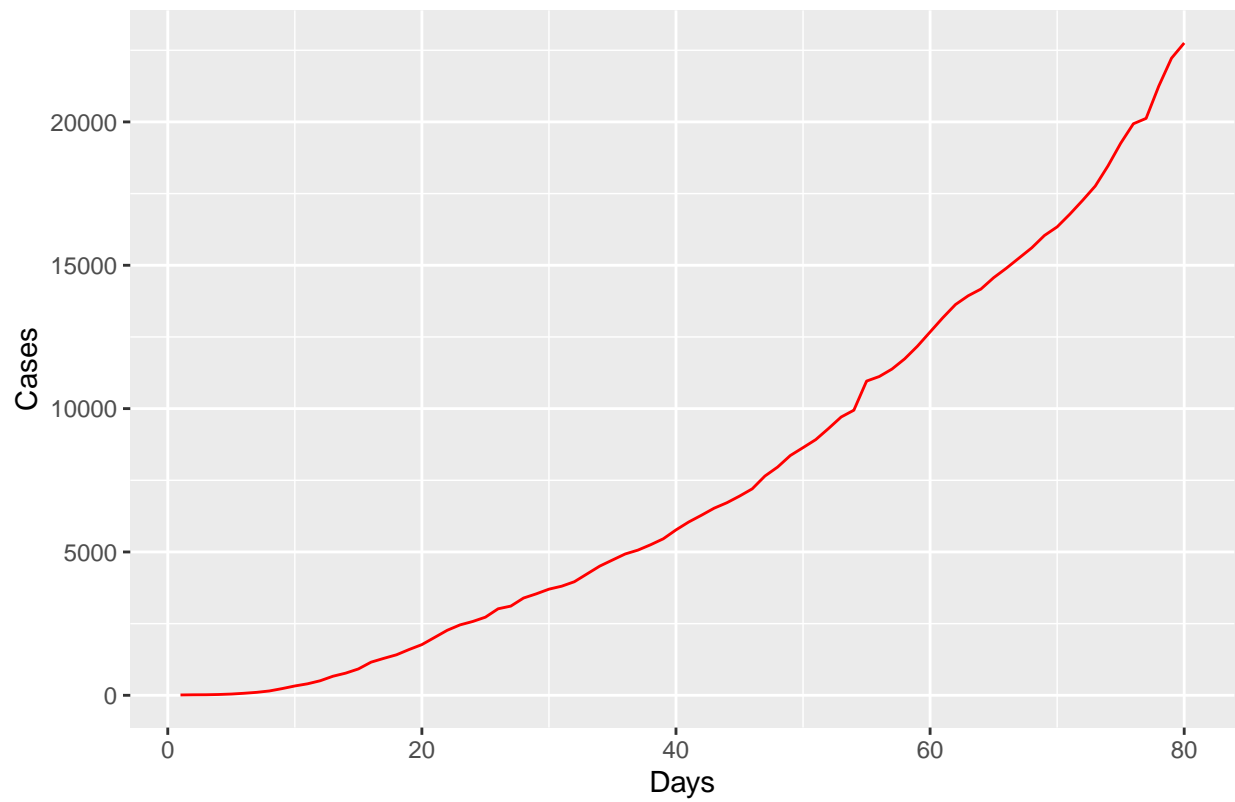
Arizona/US/India Corona Trends- 2nd June 2020 with tomorrow's prediction

Whitchurch Muthumani

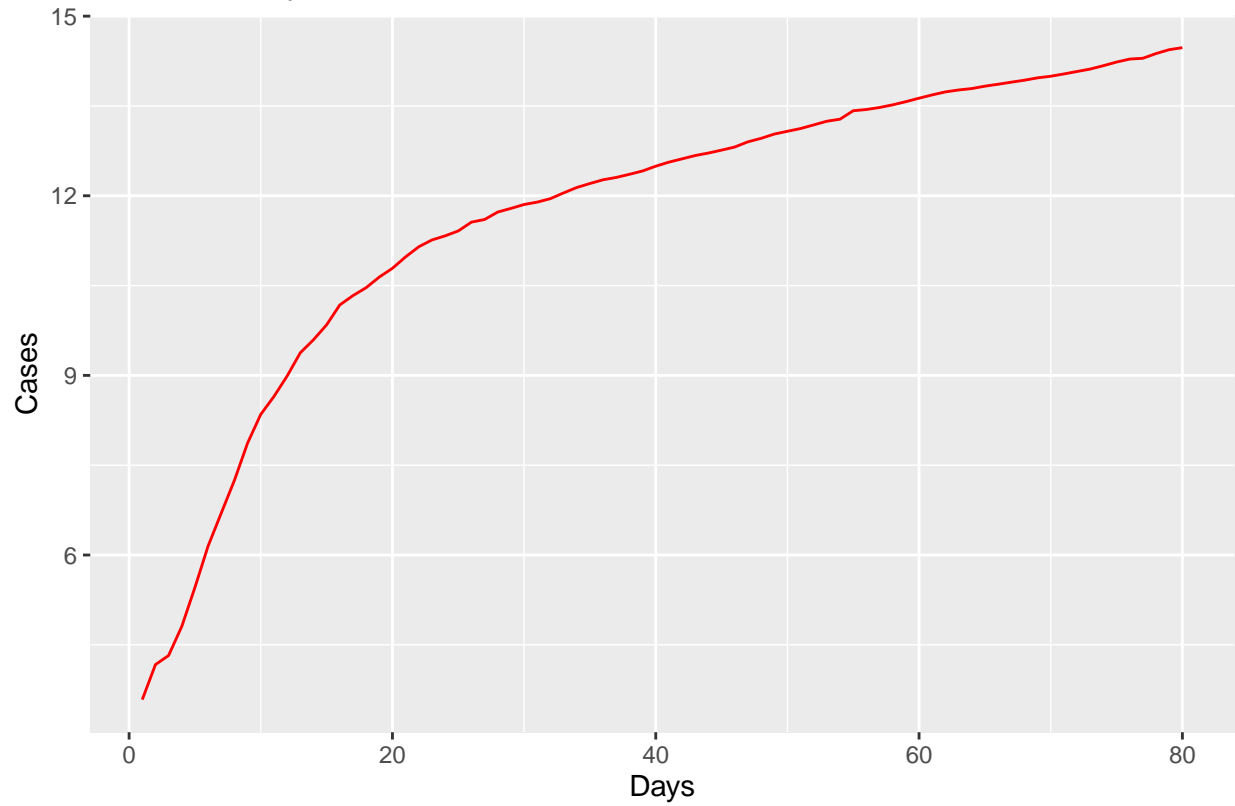
6/2/2020

Arizona Corona Dashboard

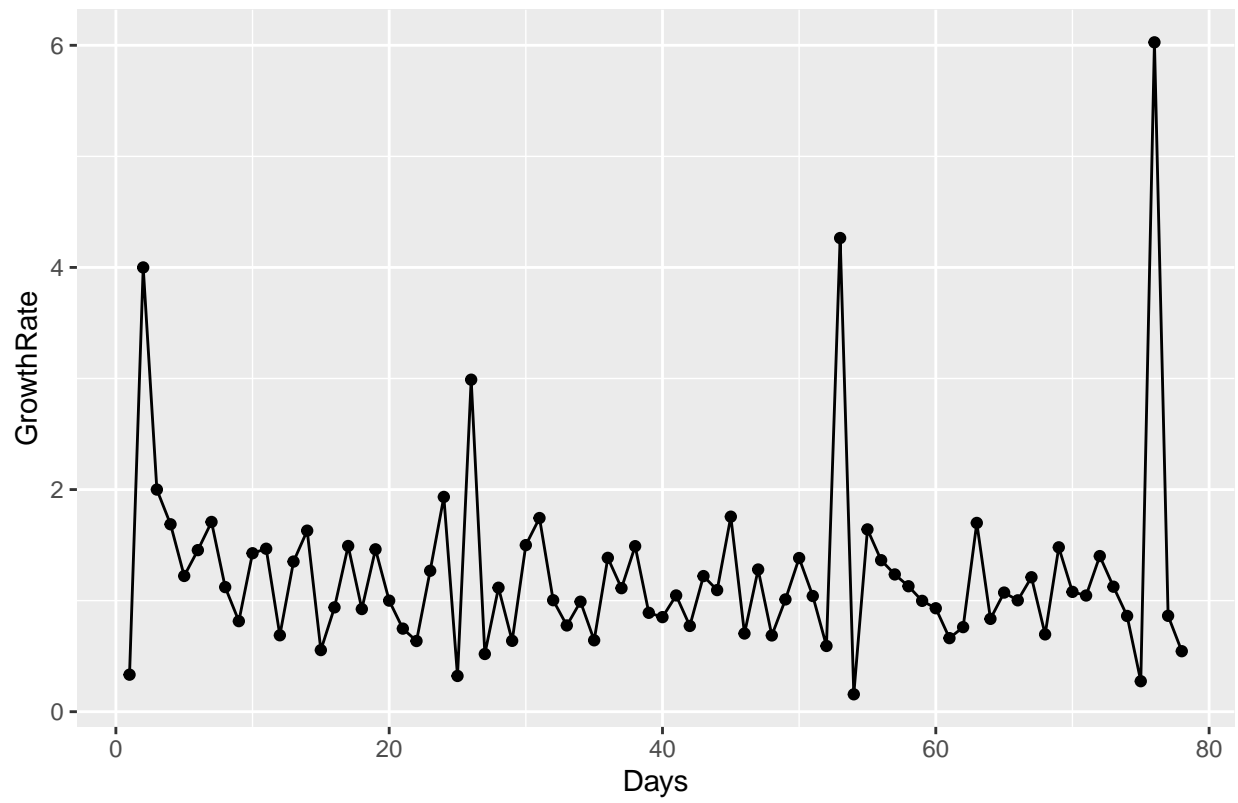
Arizona: Daily Cases



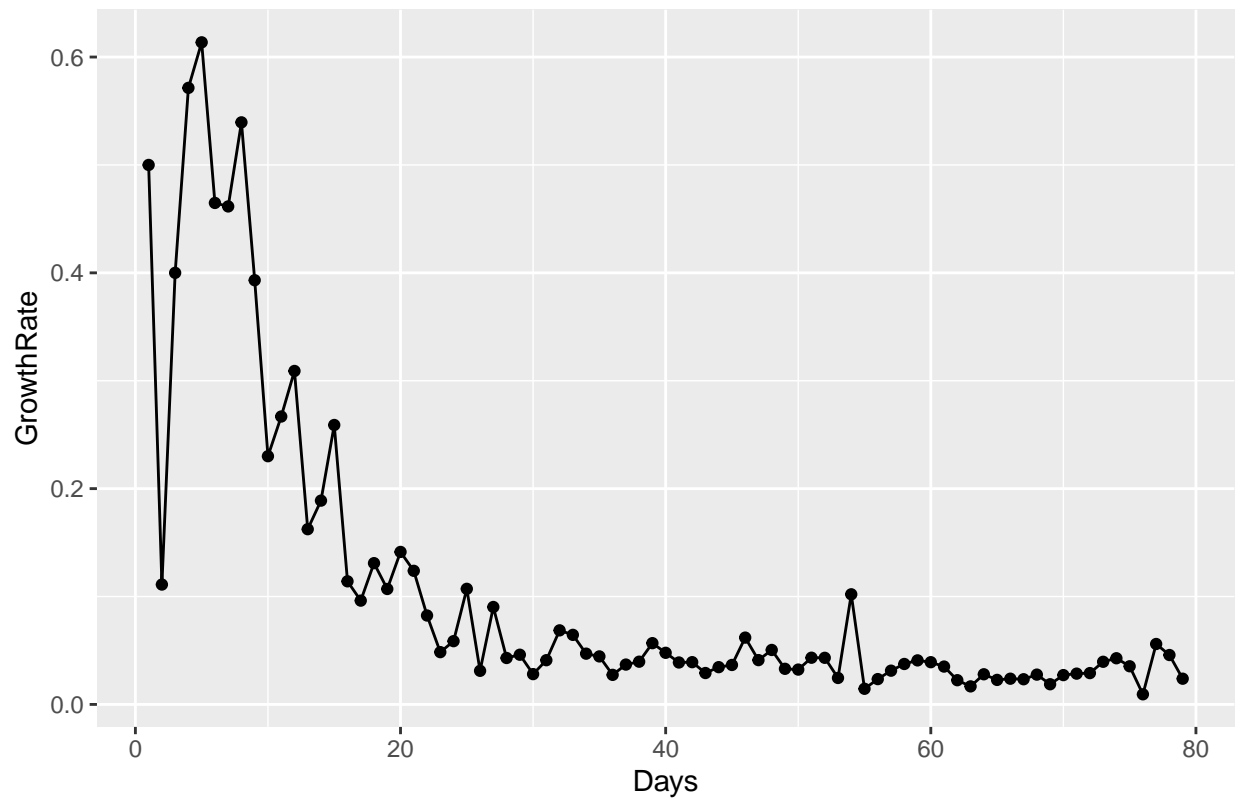
Arizona: Daily Cases

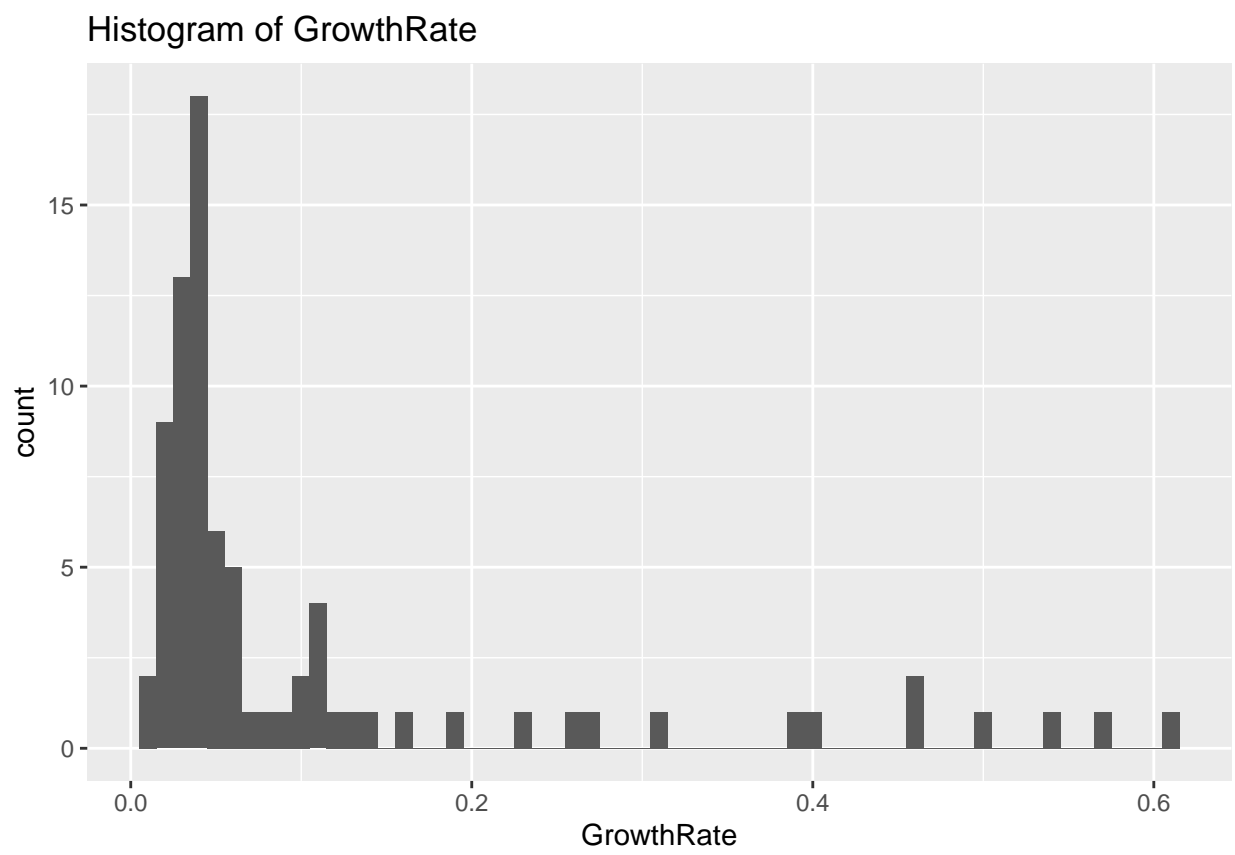


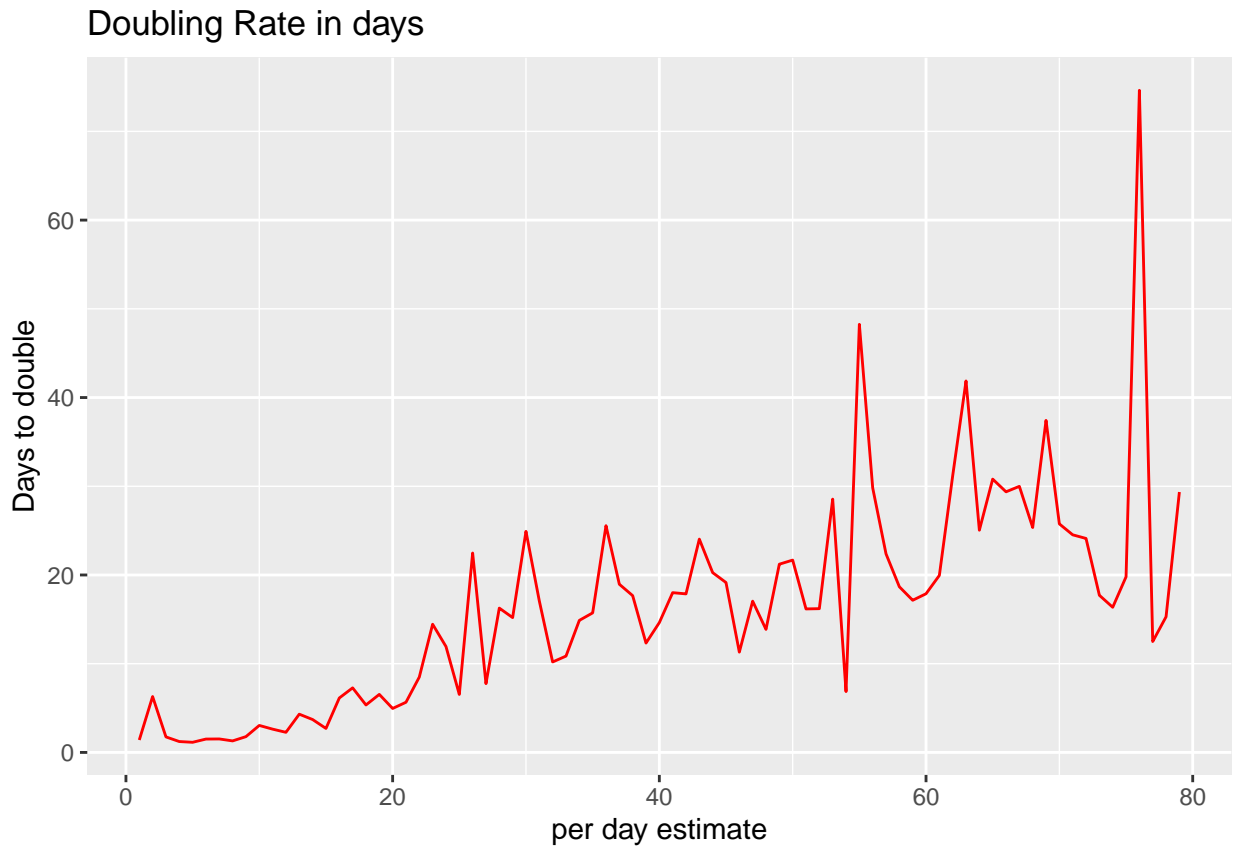
Arizona: Rate of change in Growth Rate



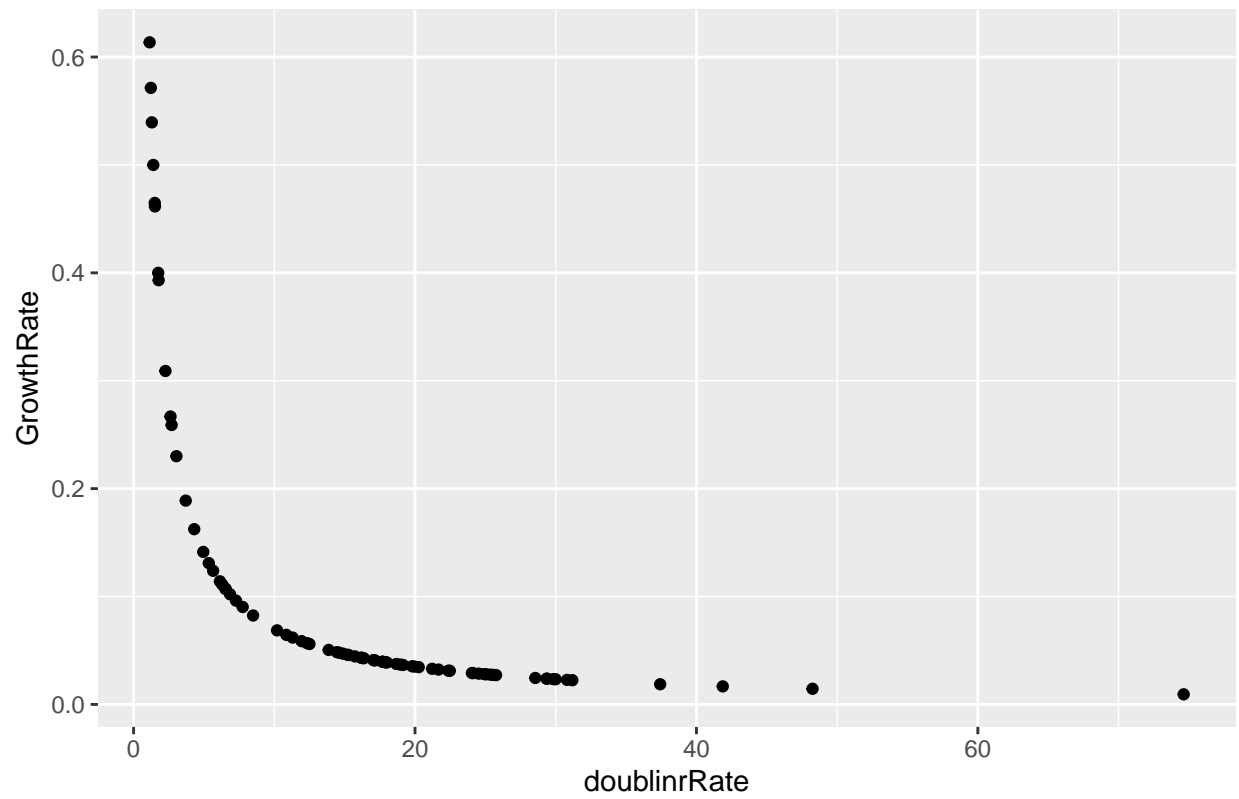
Arizona: Growth Rate

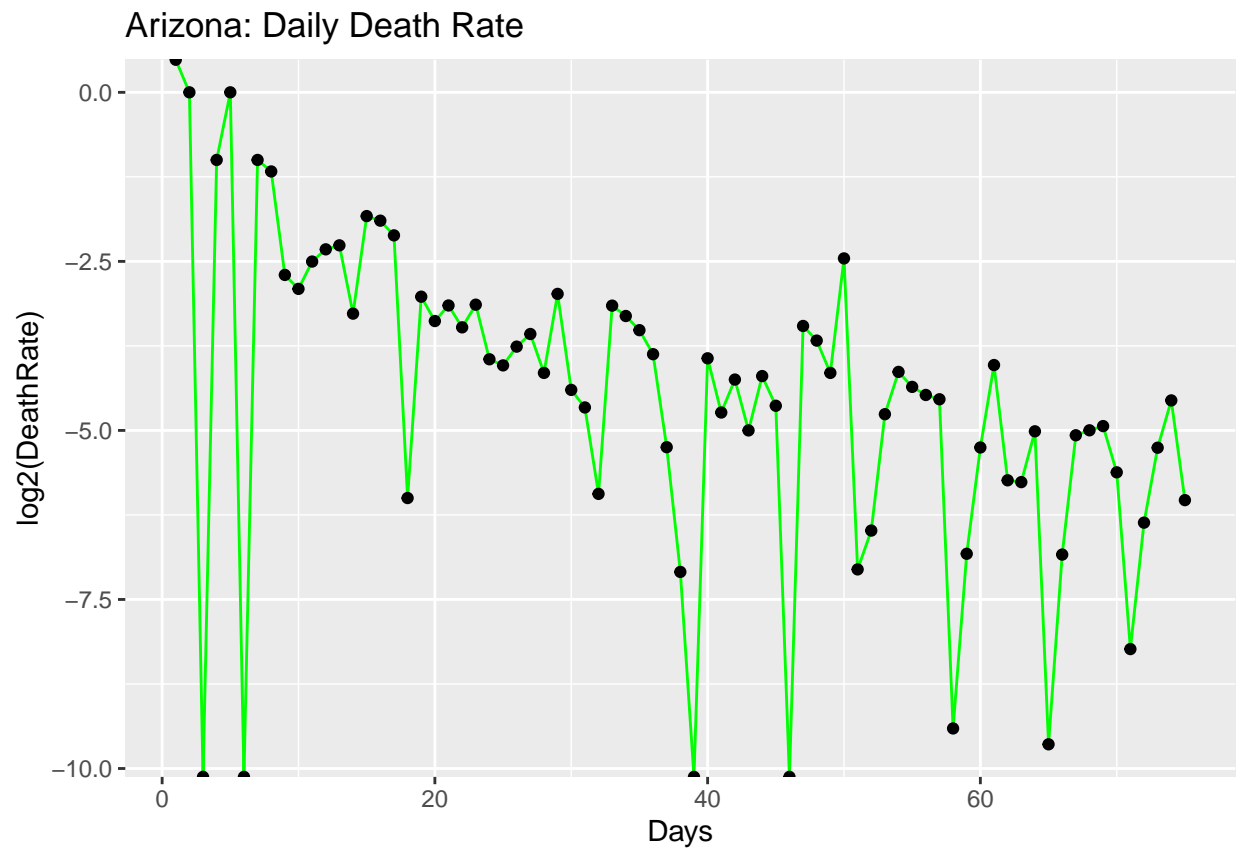


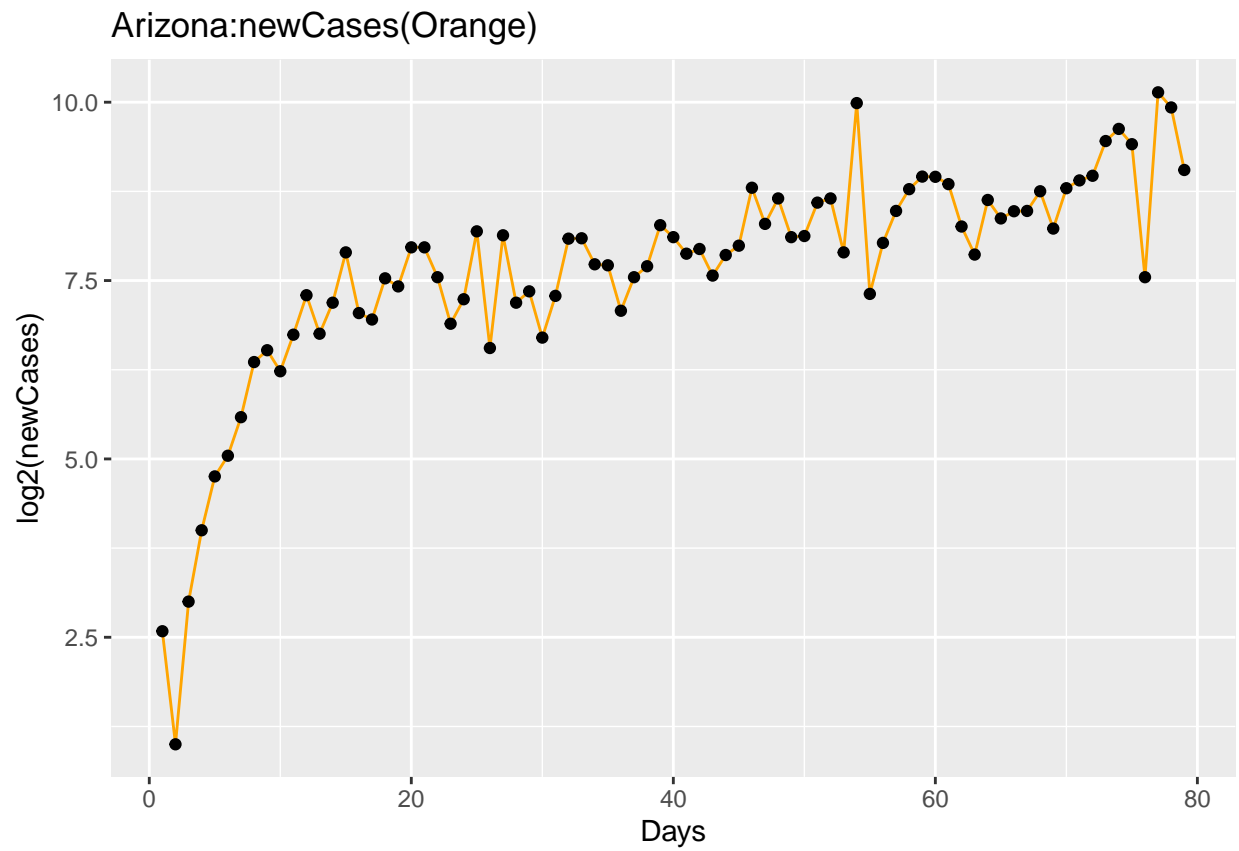


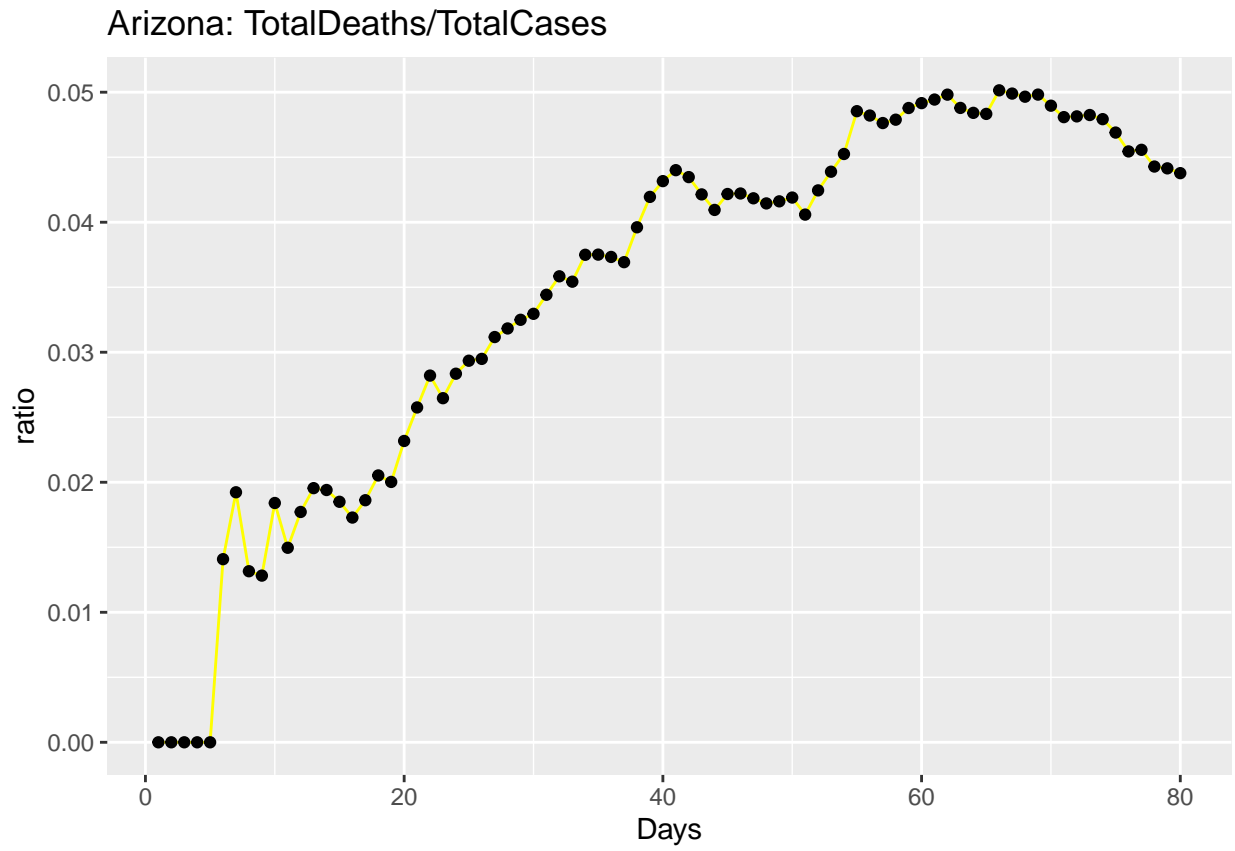


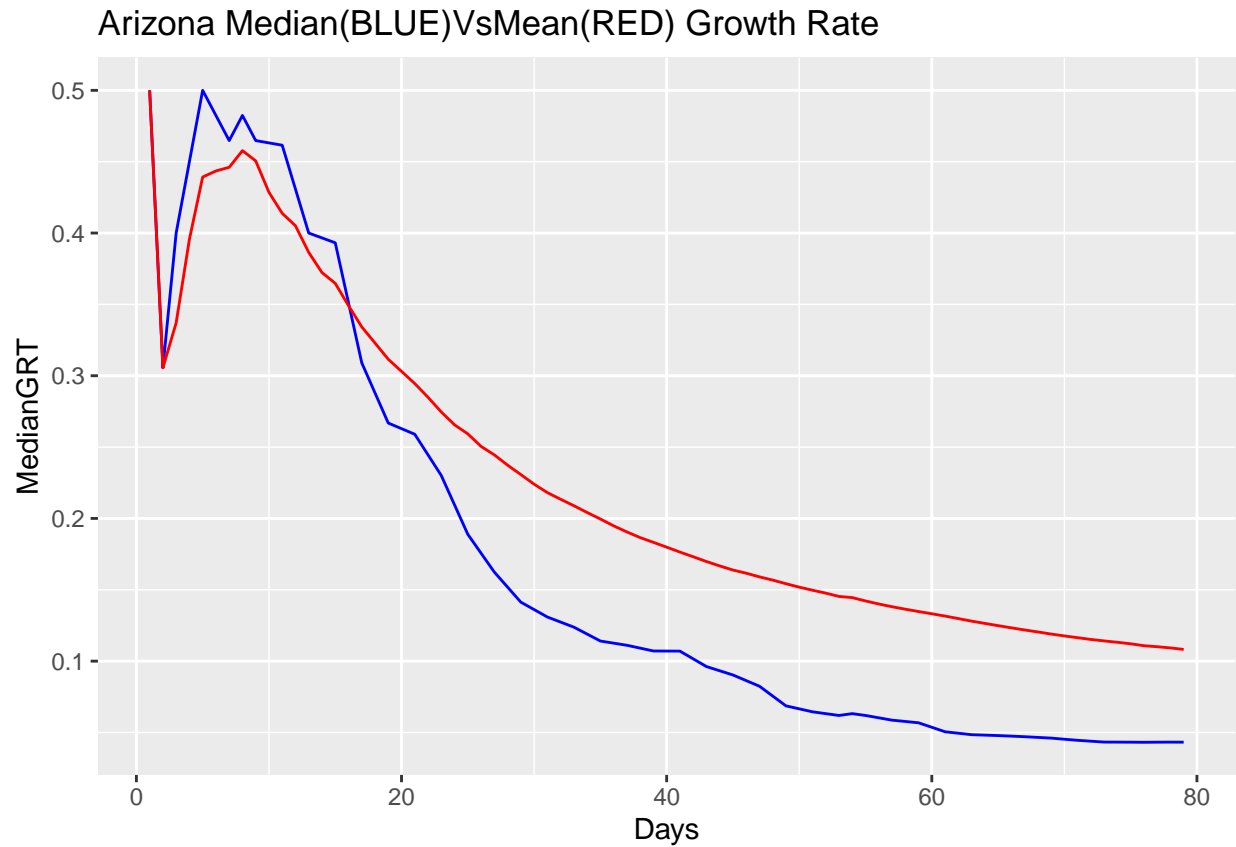
Doubling Rate vs Growth Rate







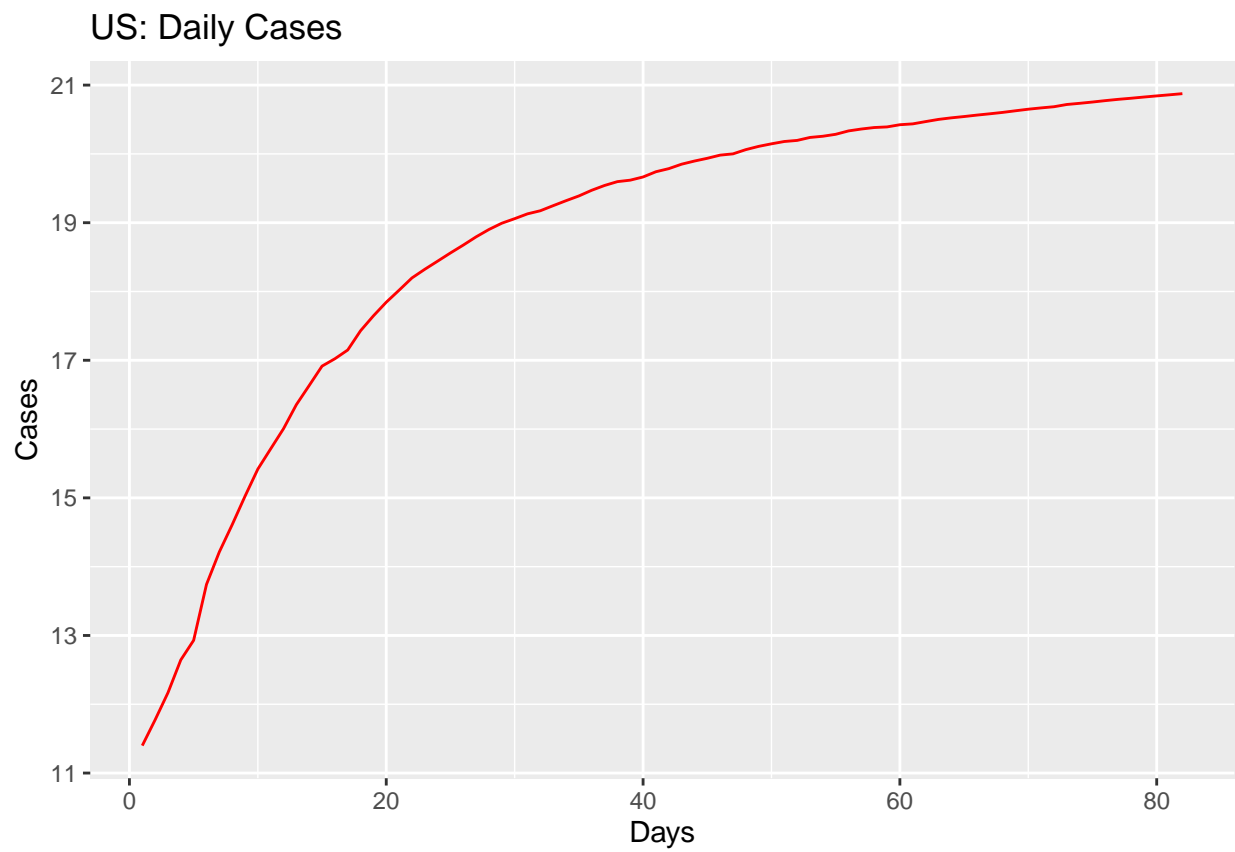
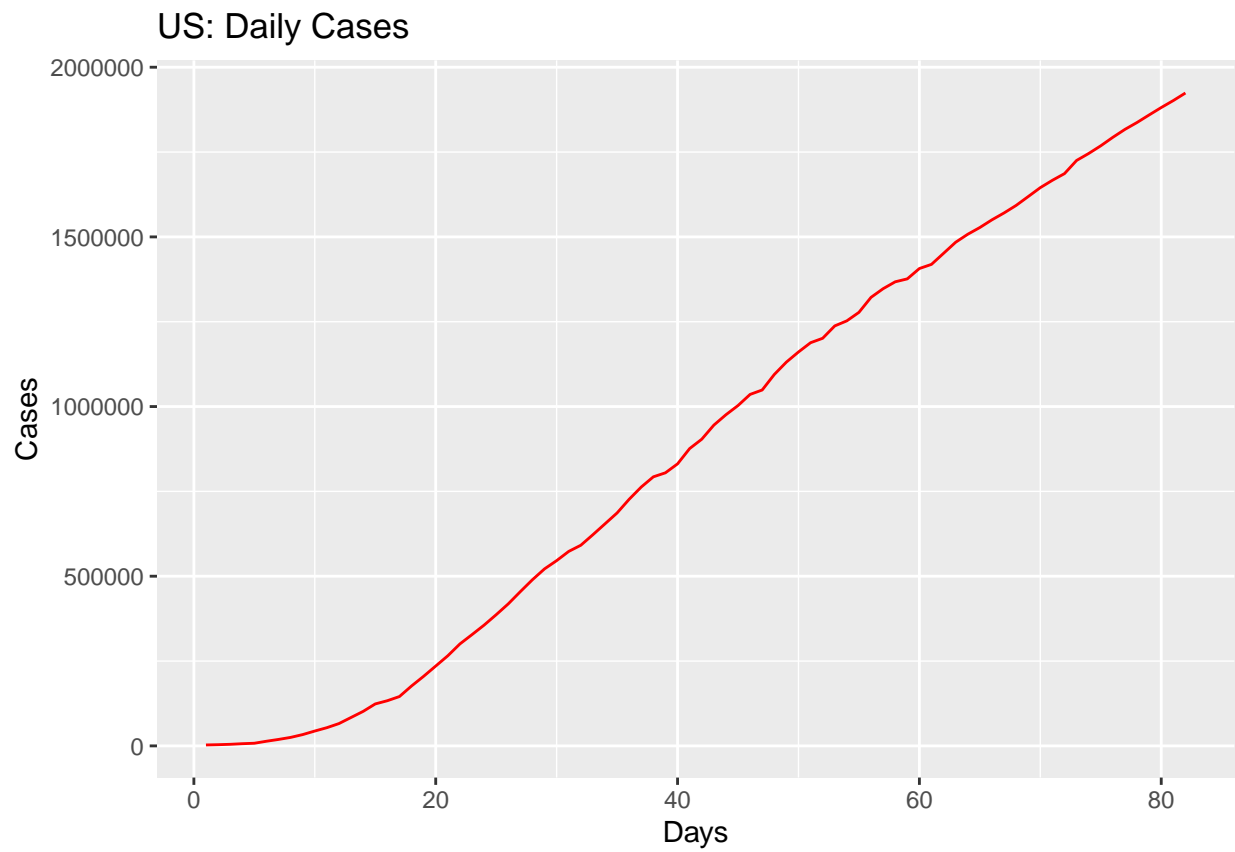




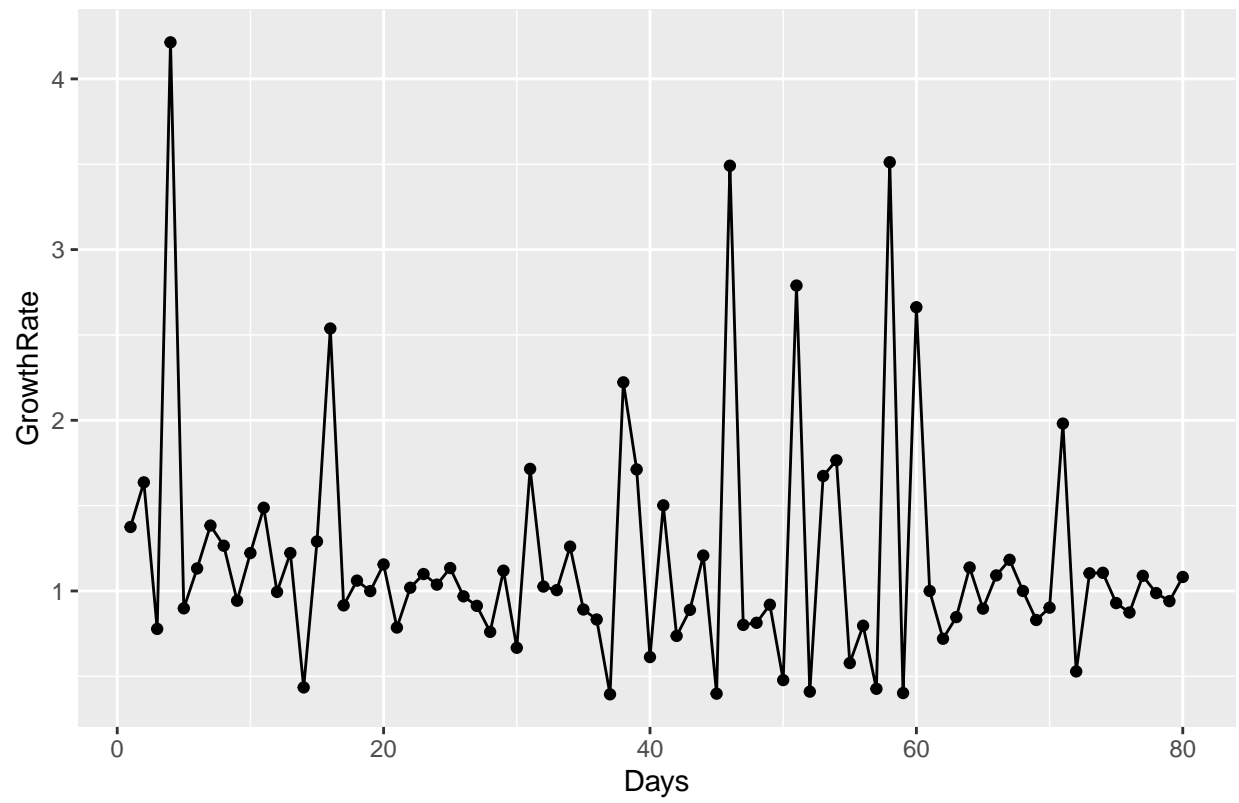
Results:

- Tomorrow's predicted case number is between 2.329564×10^4 and 2.5214592×10^4 cases.
- Current doubling rate is **29 days**
- Mean doubling rate, i.e number of cases doubles every **6 days**.
- Median doubling rate, i.e number of cases doubles every **16 days**.
- Latest Observed Growth Rate **2.3849165** percent.
- Mean Growth Rate: **10.8187581** percent.
- Median Growth Rate: **4.3202579** percent.
- Standard deviation: +/- **14.4489319**.

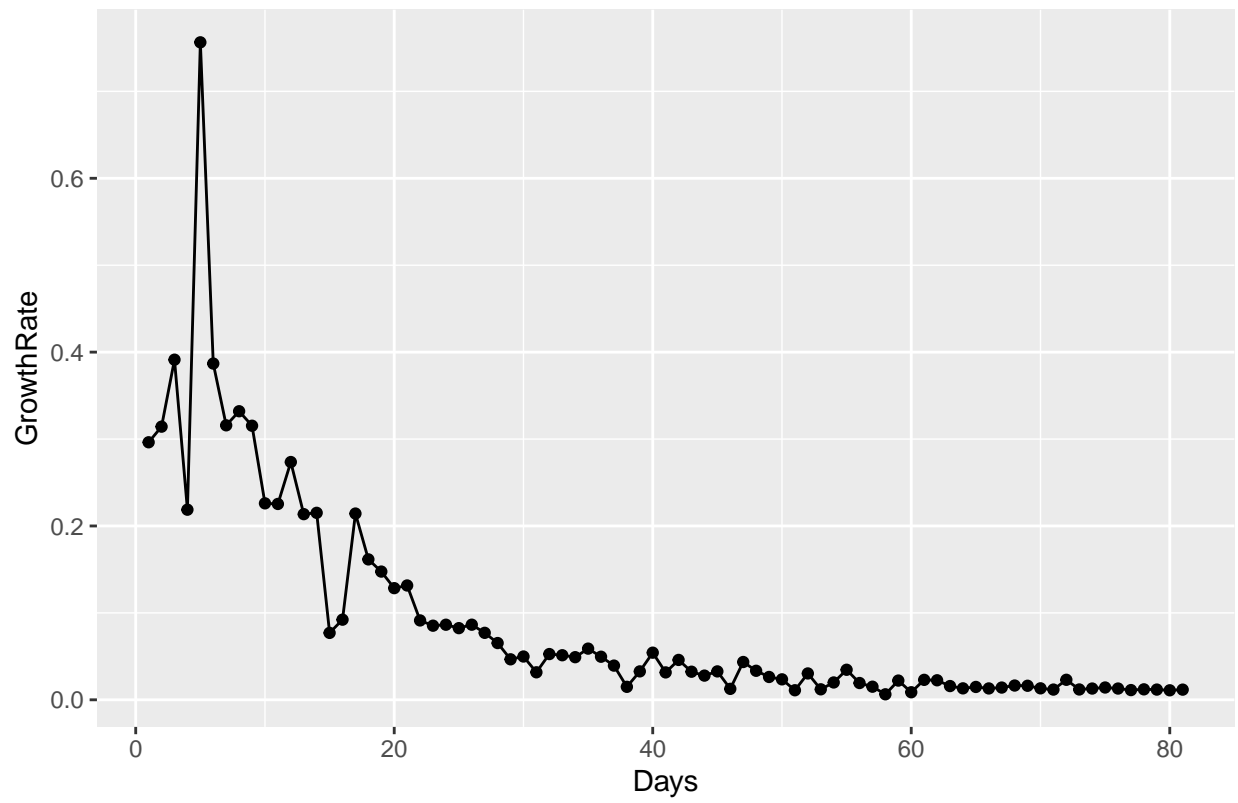
US Corona Dashboard

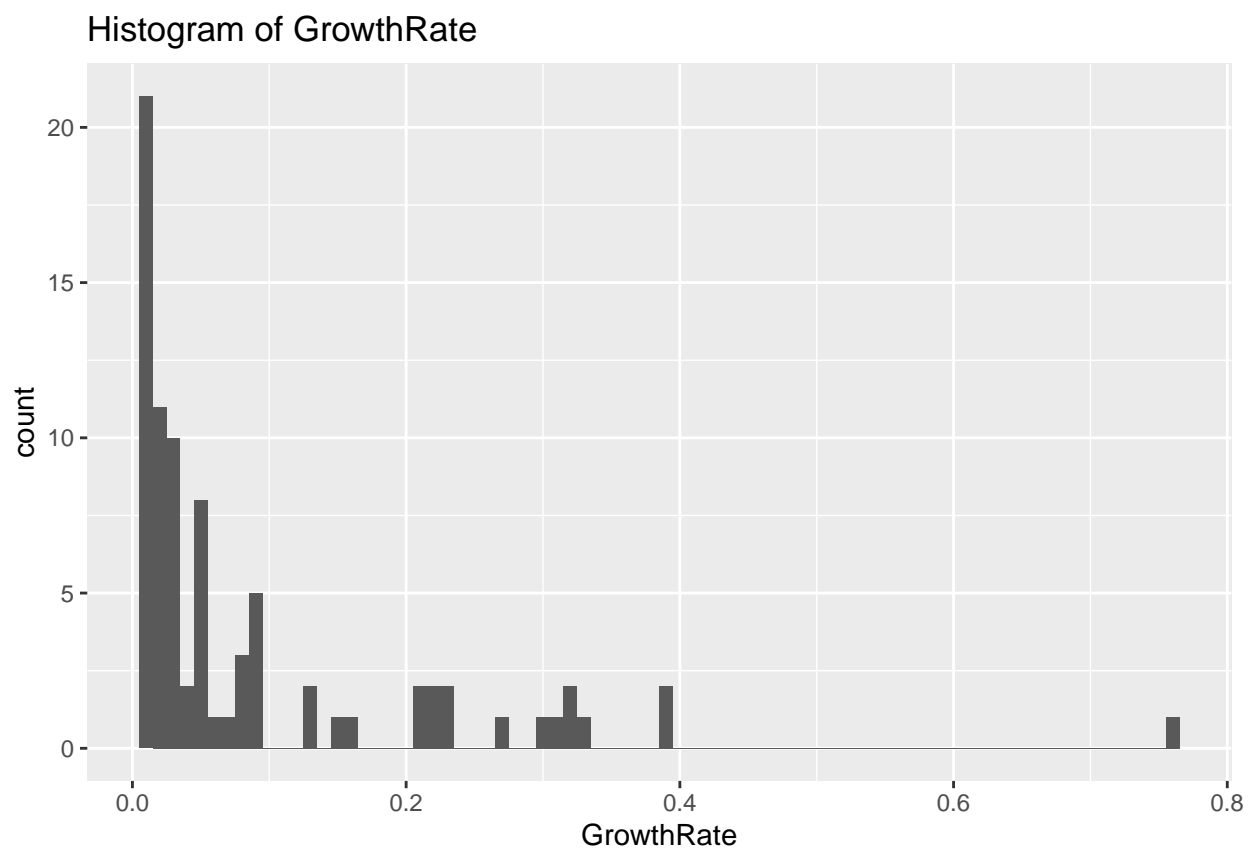


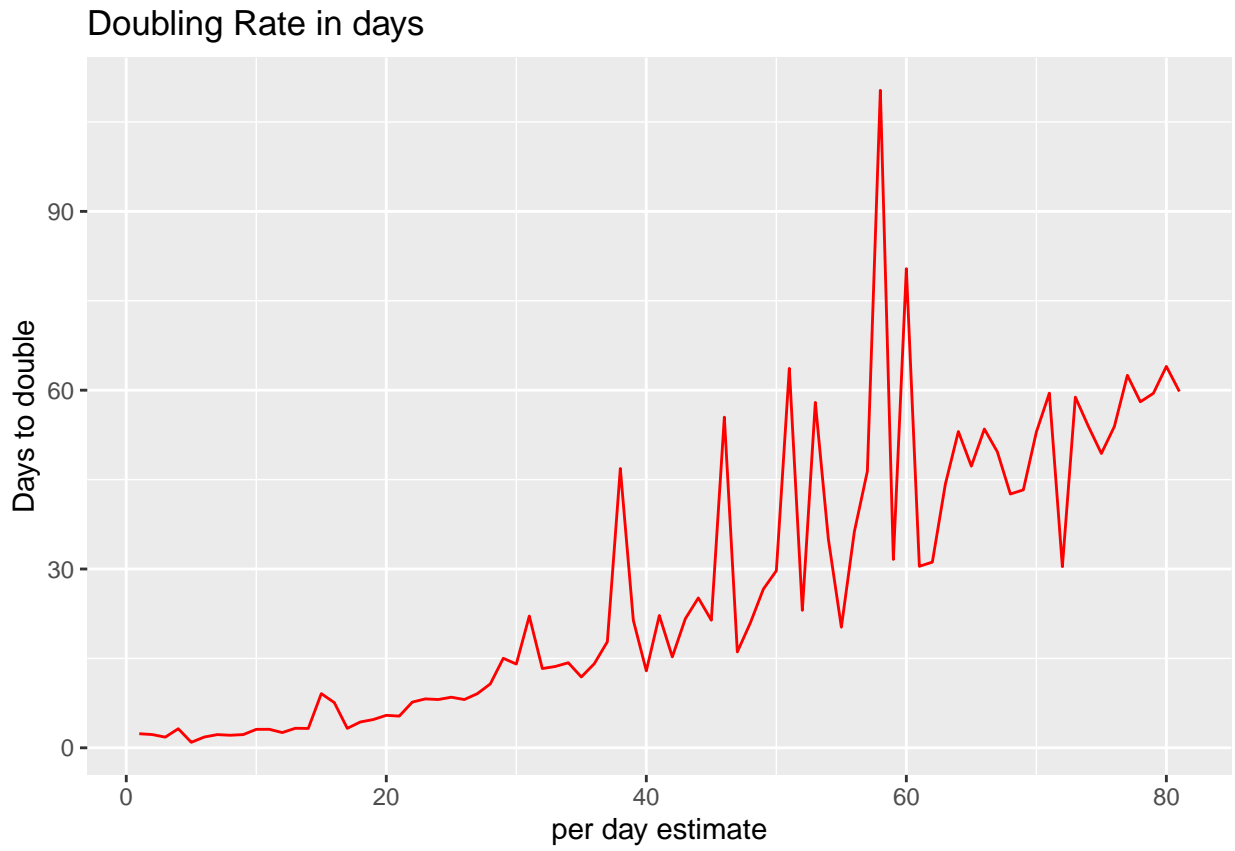
US: Rate of change in Growth Rate



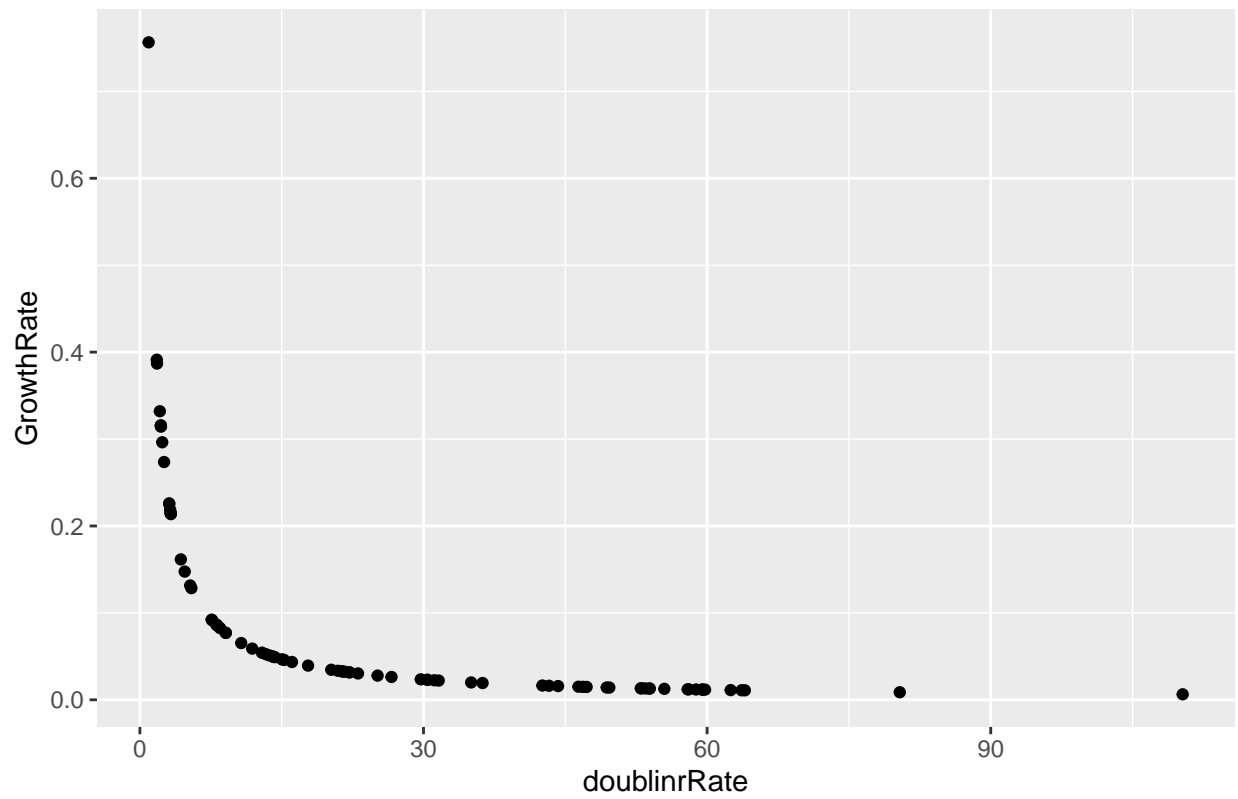
US: Growth Rate

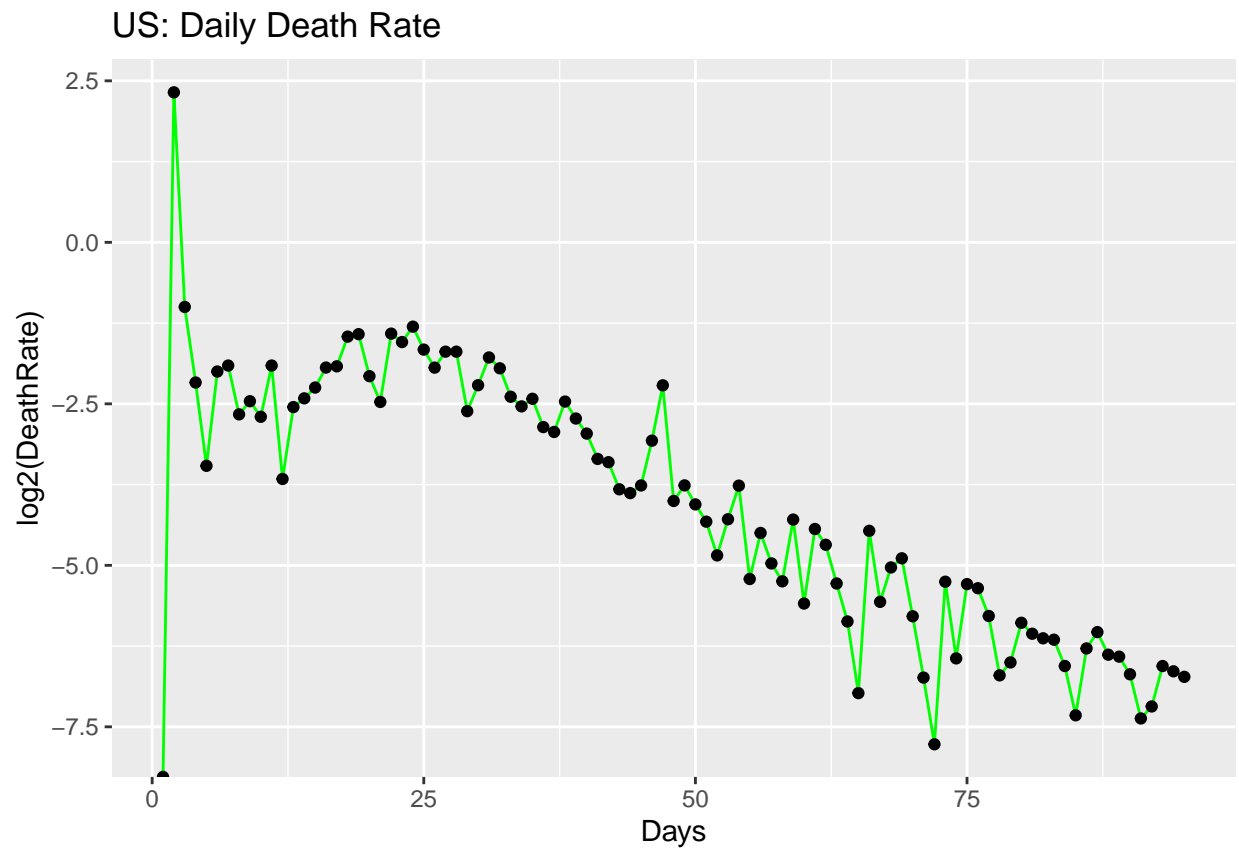


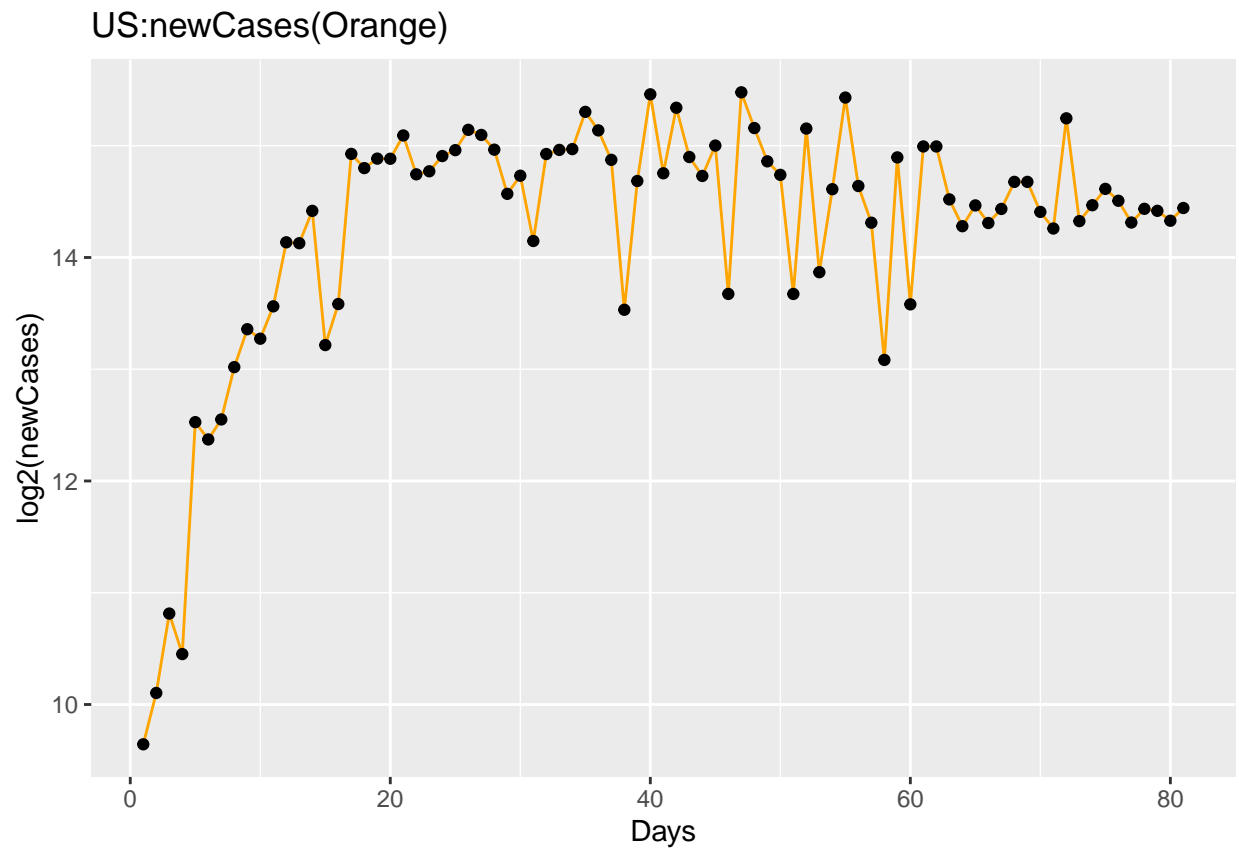


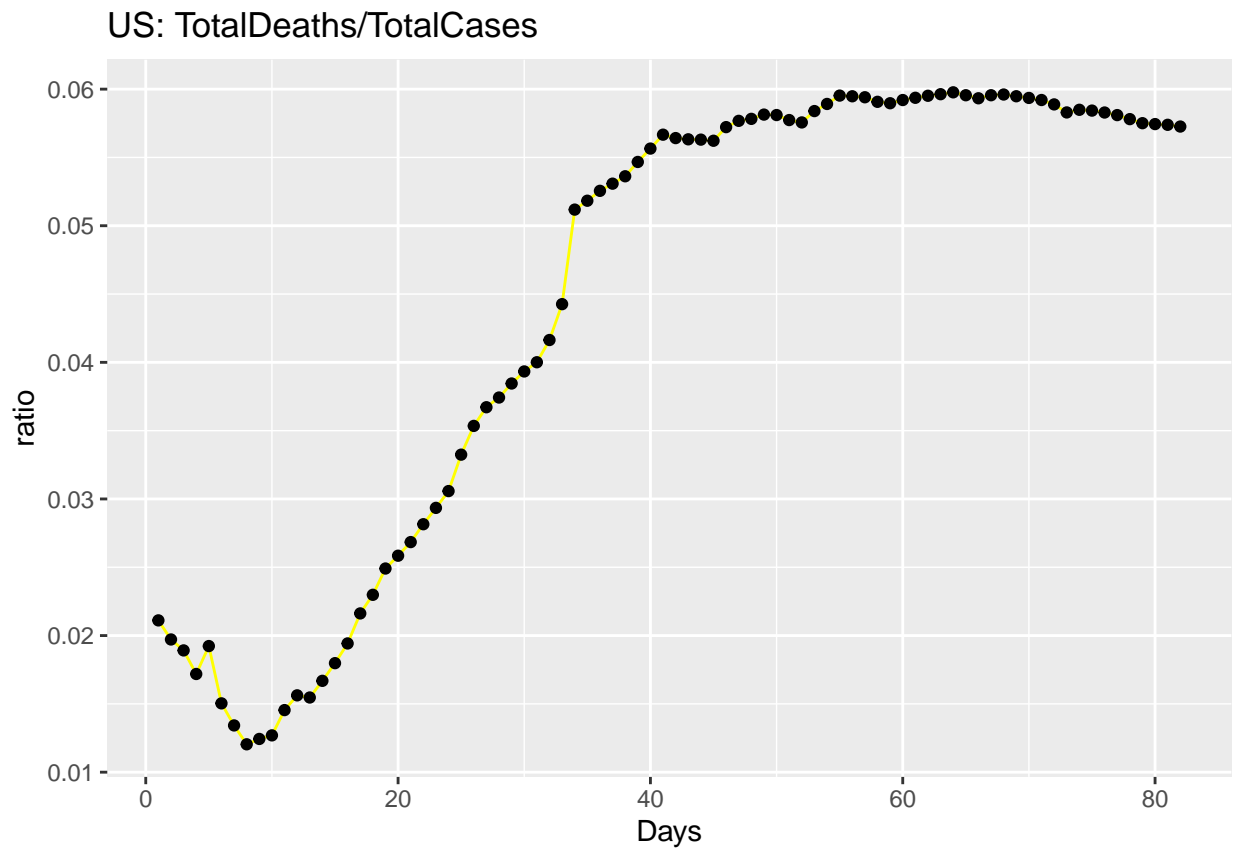


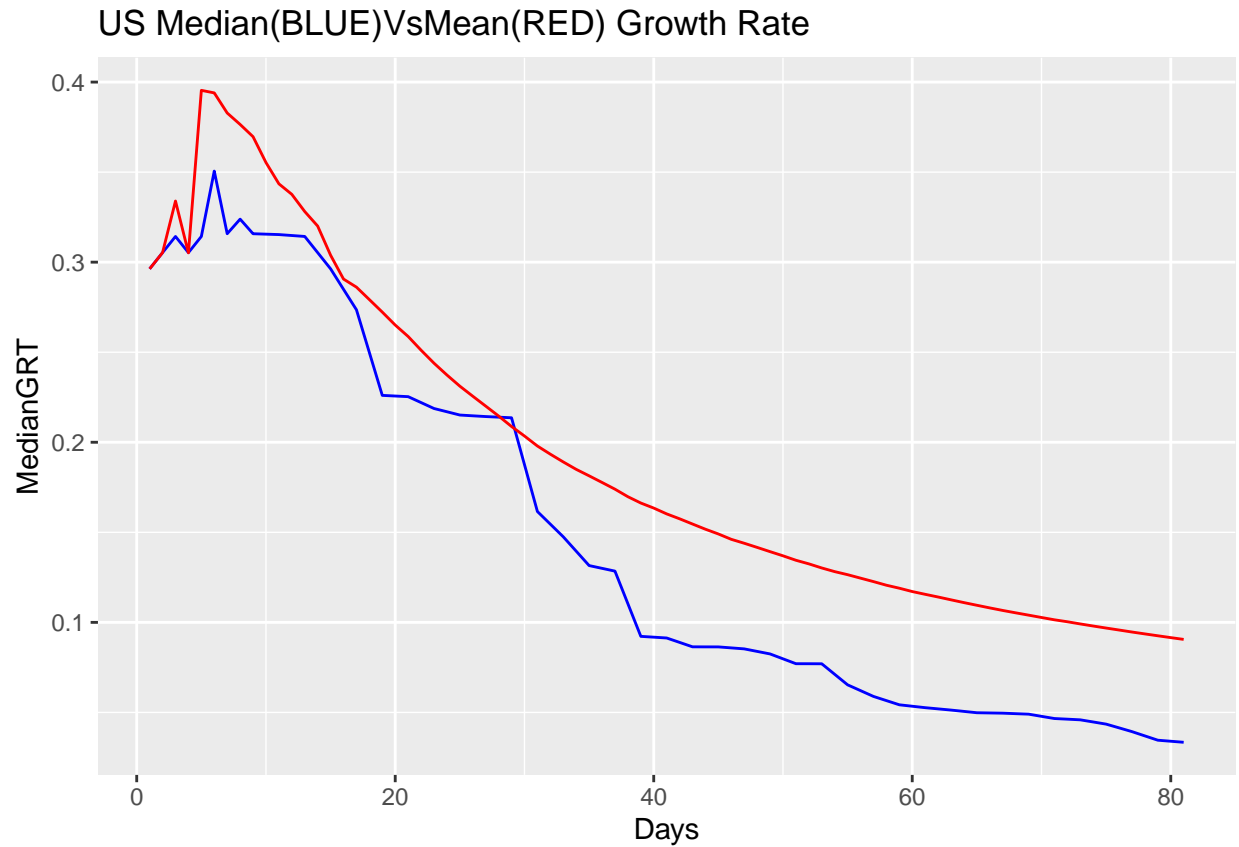
Doubling Rate vs Growth Rate







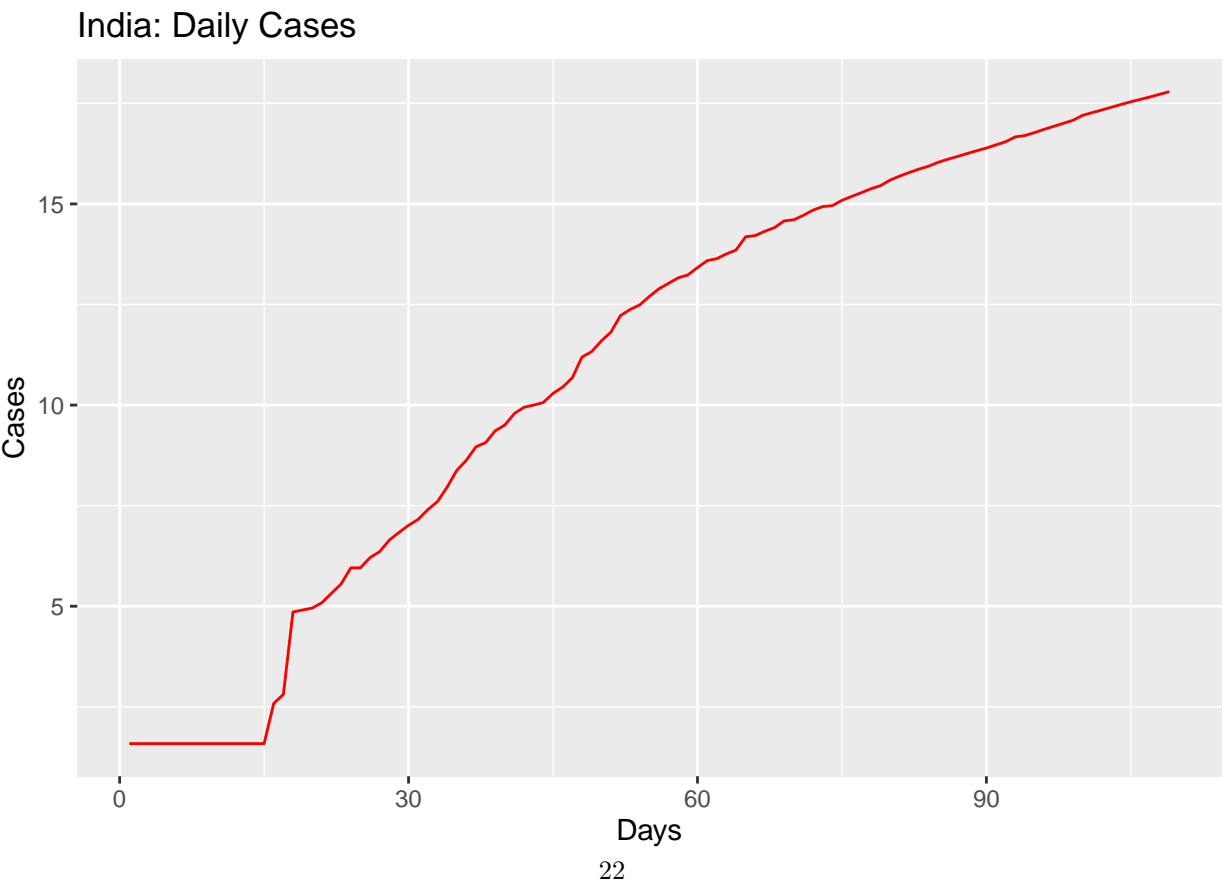
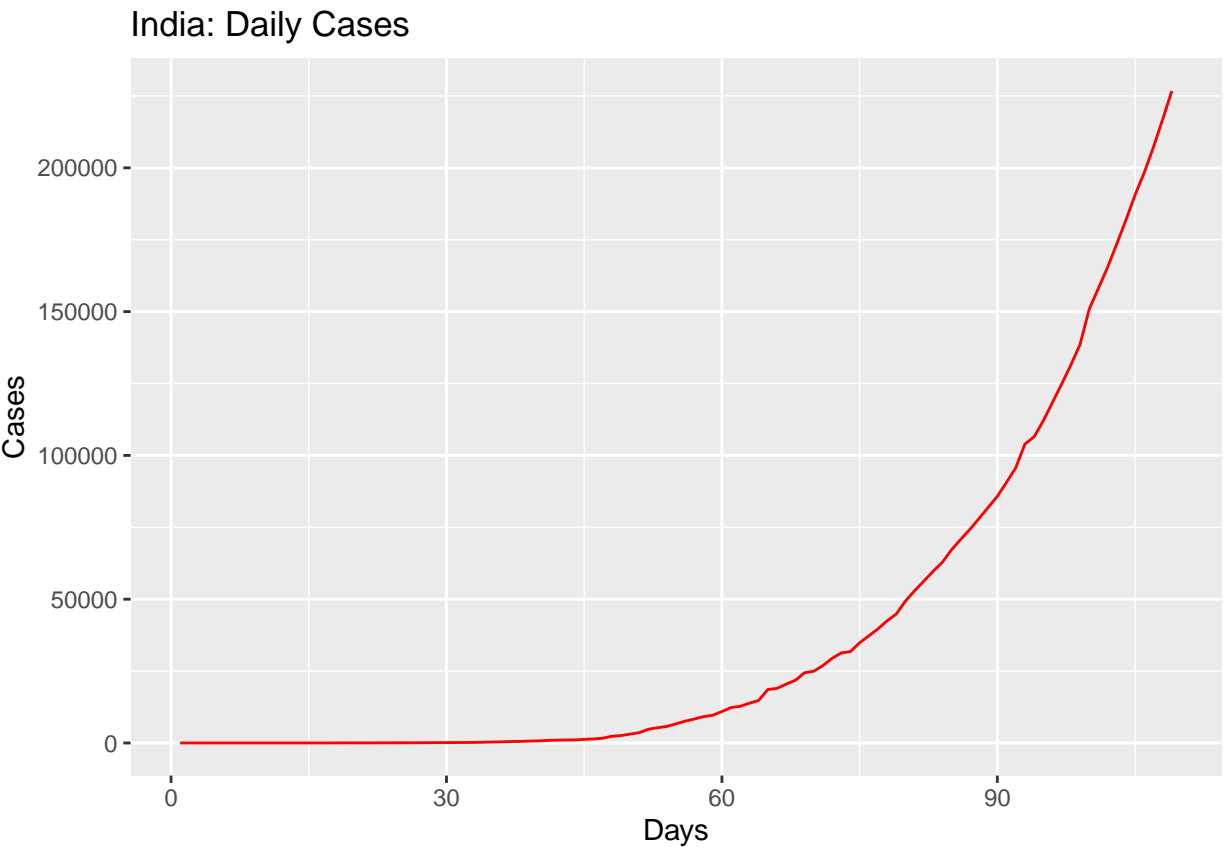


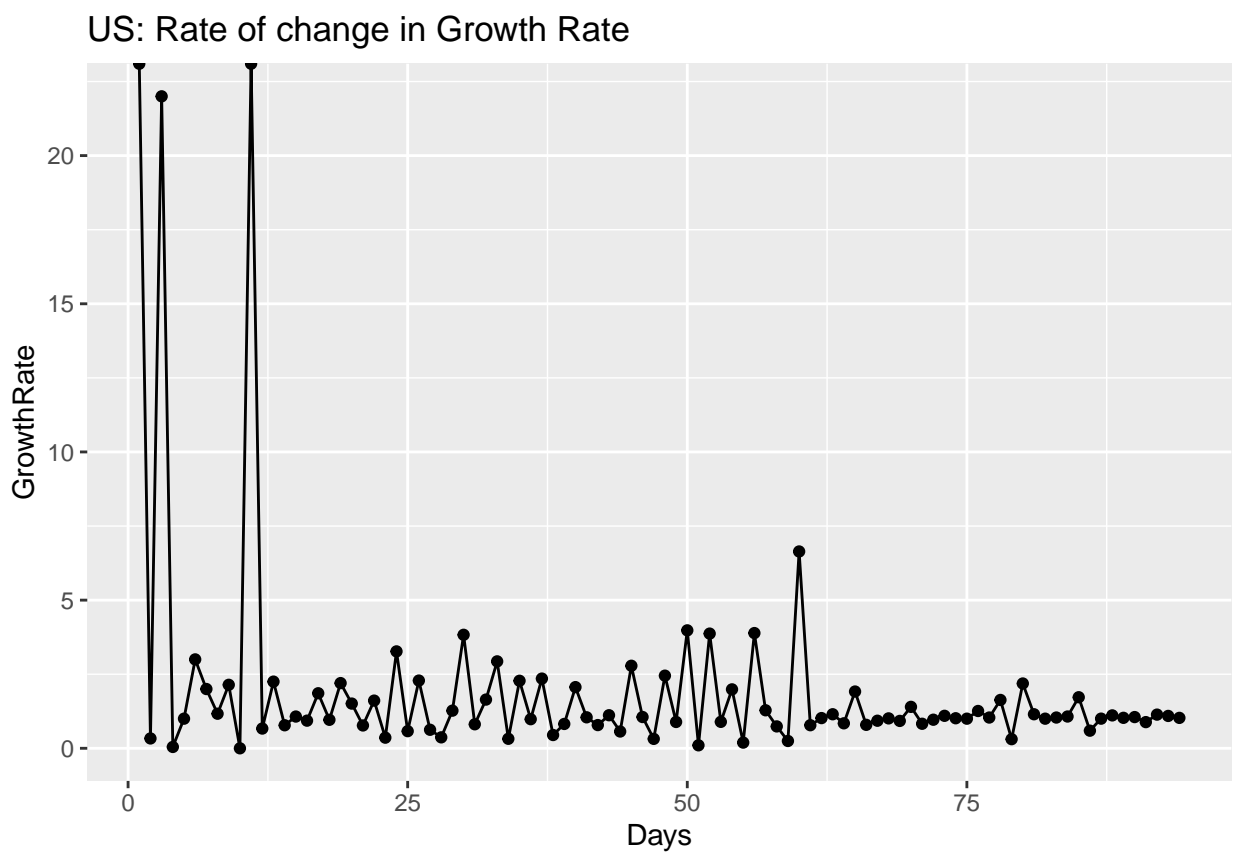


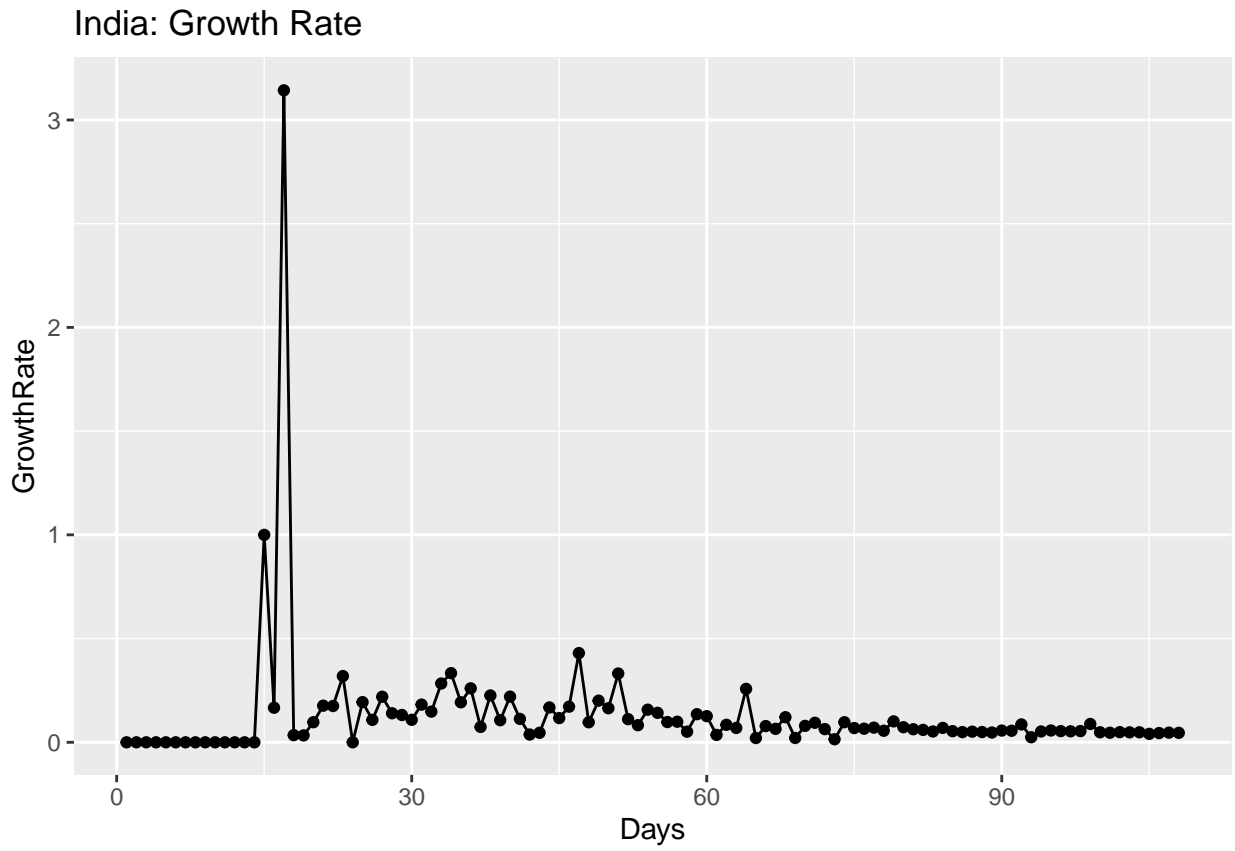
Results:

- Tomorrow's predicted case number is between 1.9465797×10^6 and 2.0982684×10^6 cases.
- Current doubling rate is **60 days**
- Mean doubling rate, i.e number of cases doubles every **8 days**.
- Median doubling rate, i.e number of cases doubles every **21 days**.
- Latest Observed Growth Rate **1.1709012** percent.
- Mean Growth Rate: **9.0547161** percent.
- Median Growth Rate: **3.3409961** percent.
- Standard deviation: +/- **12.5355722**.

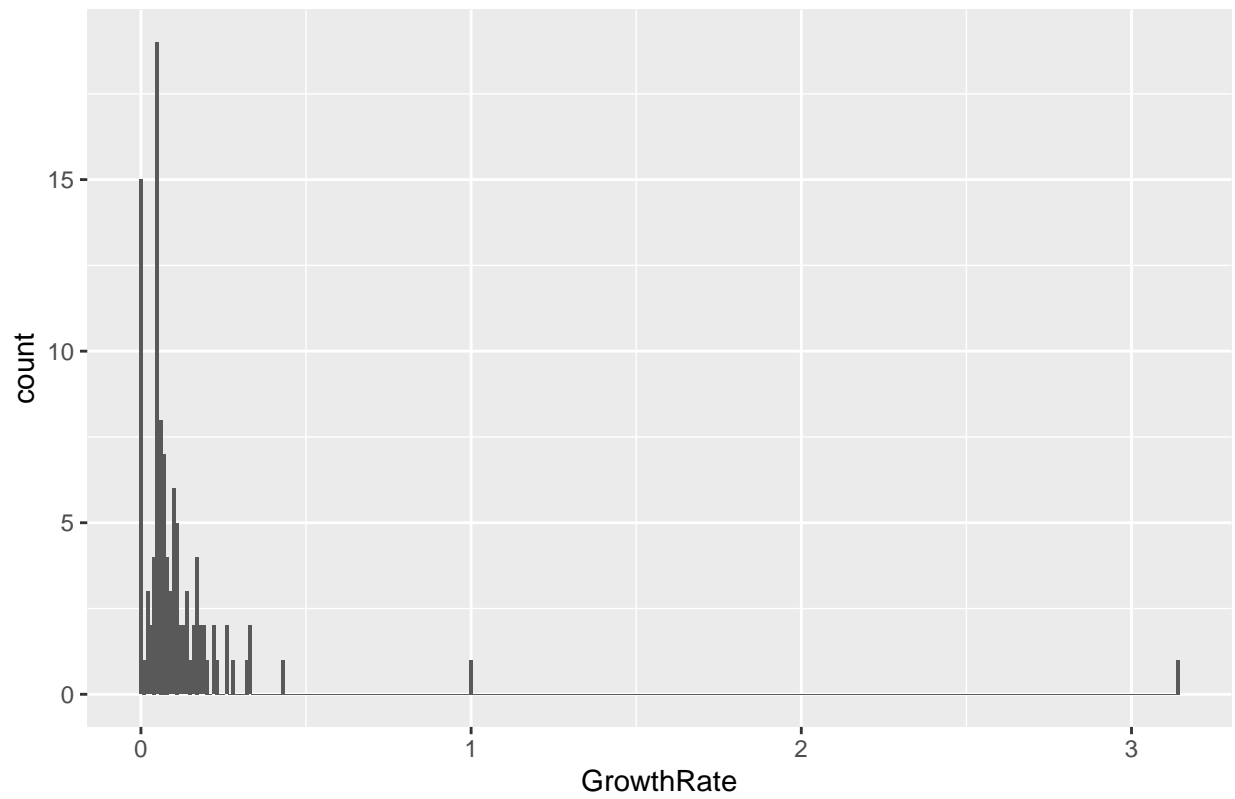
India Corona Dashboard

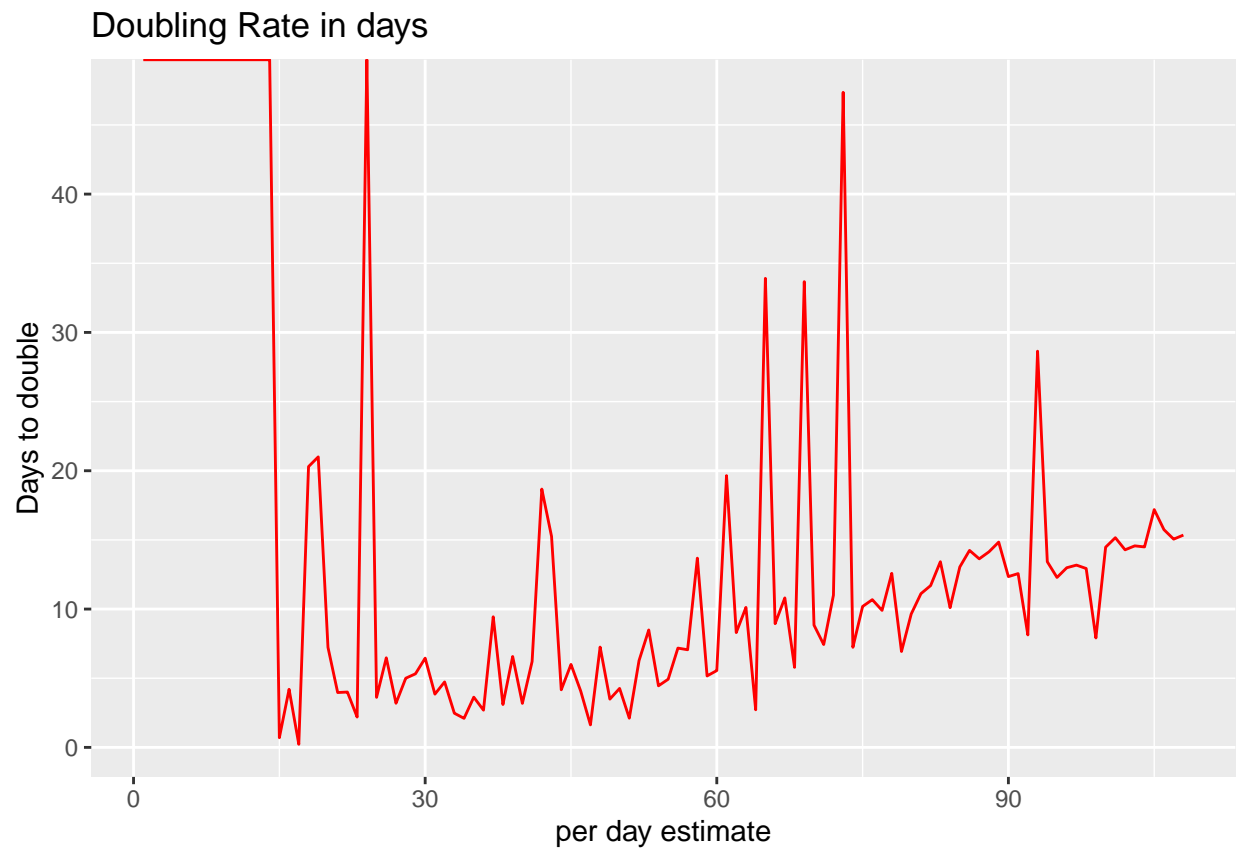


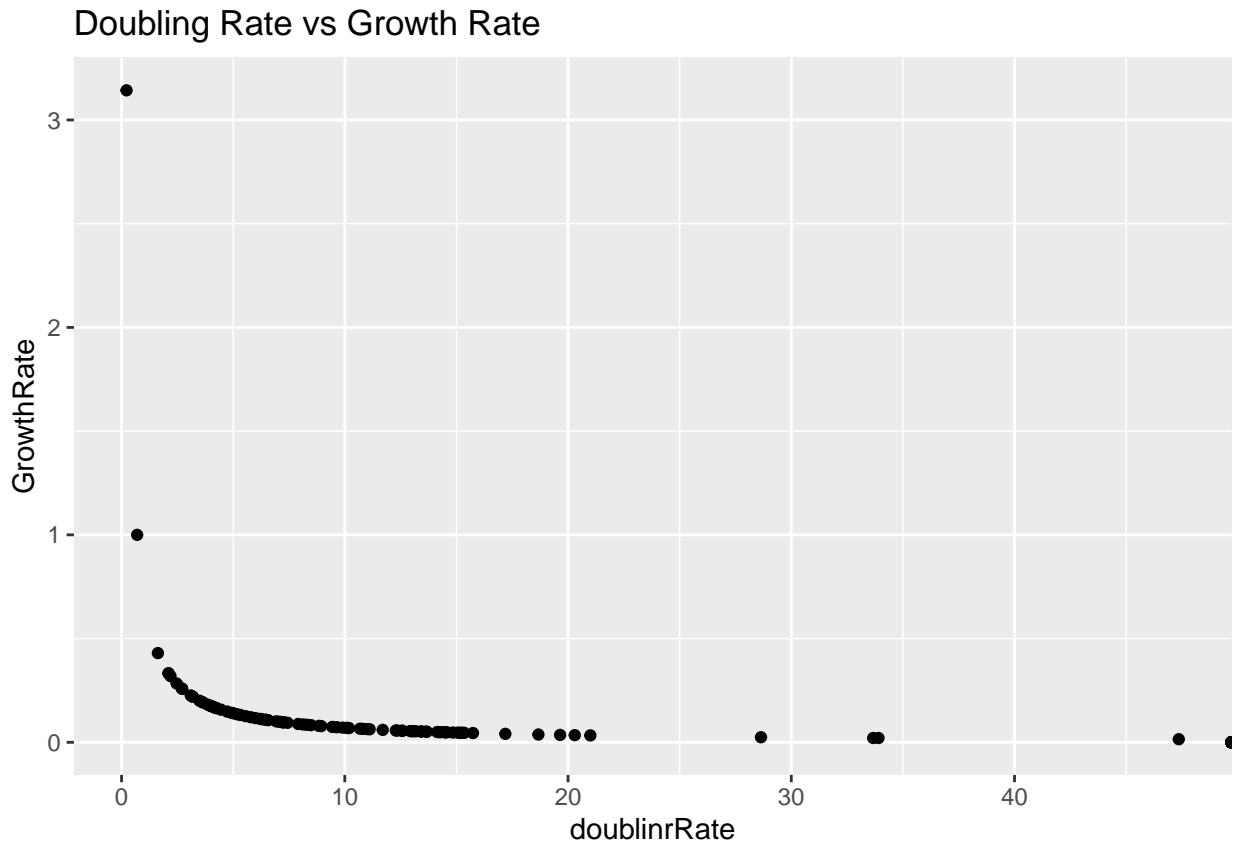


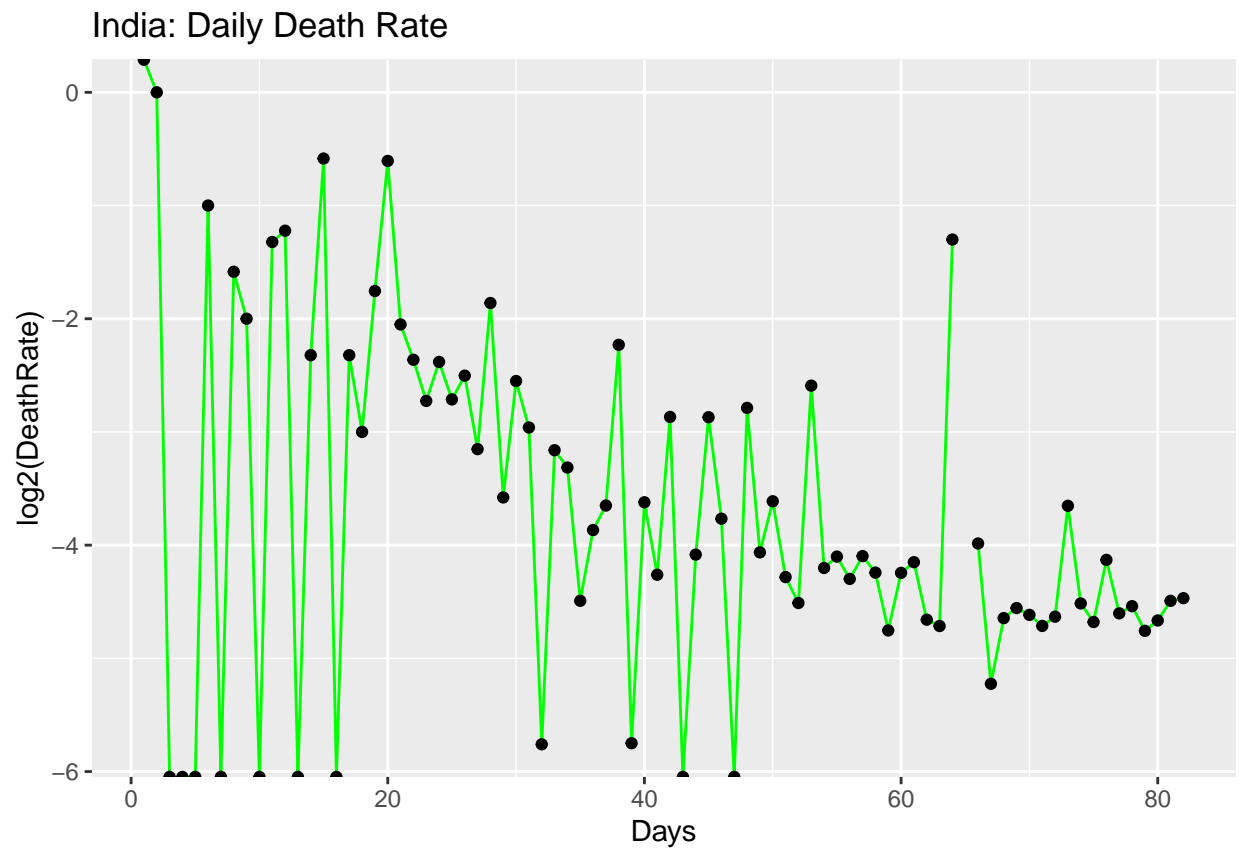


Histogram of GrowthRate

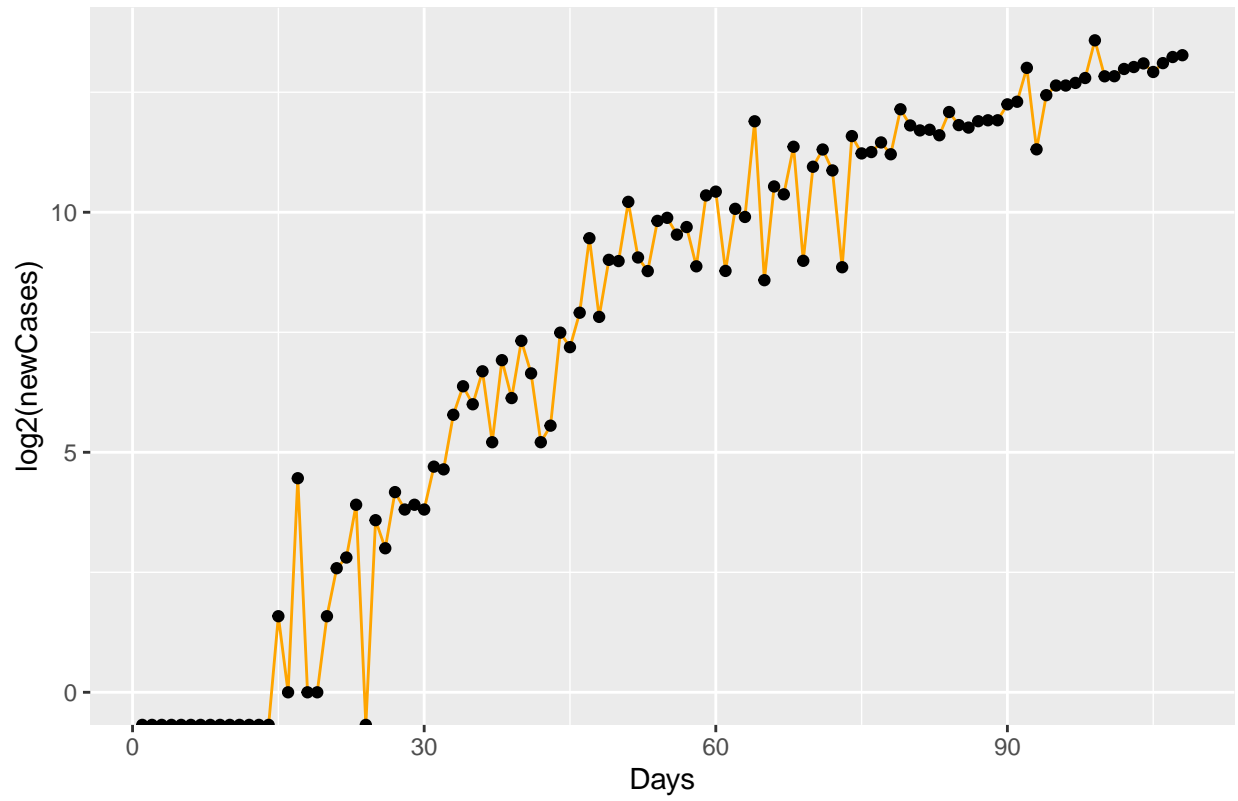




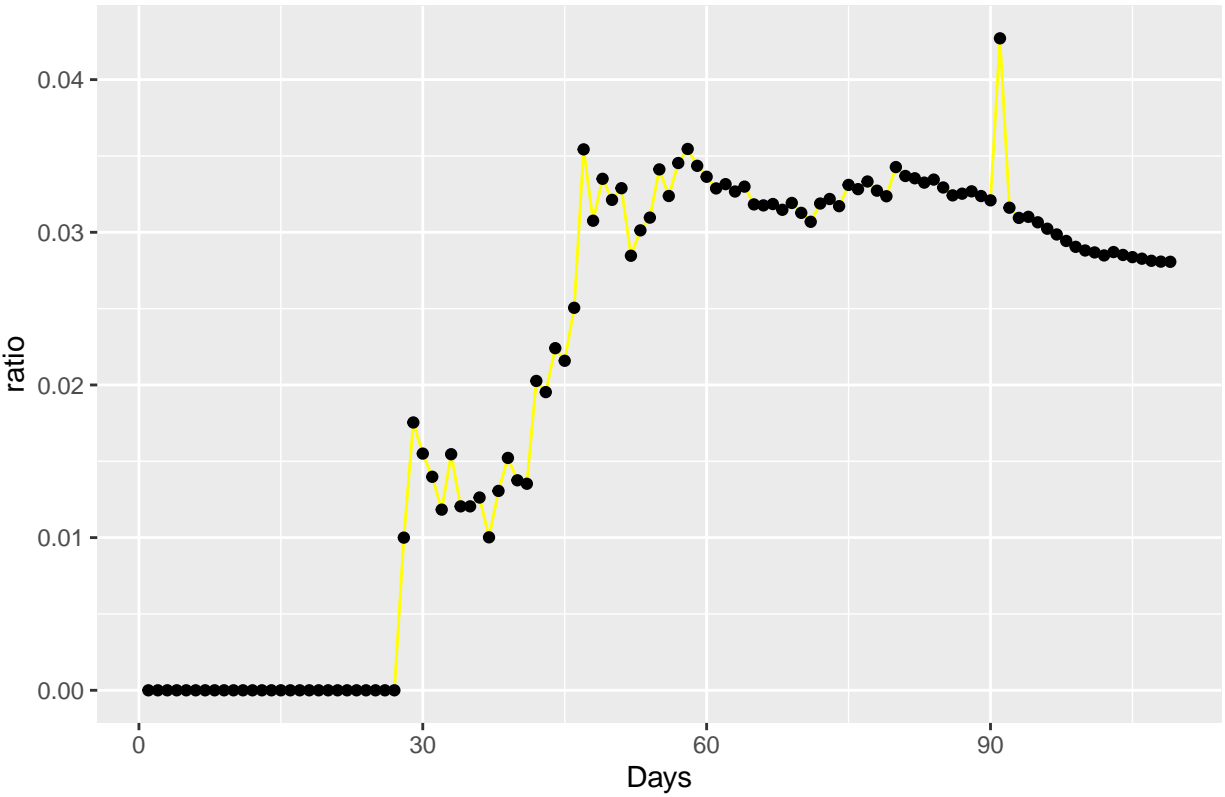


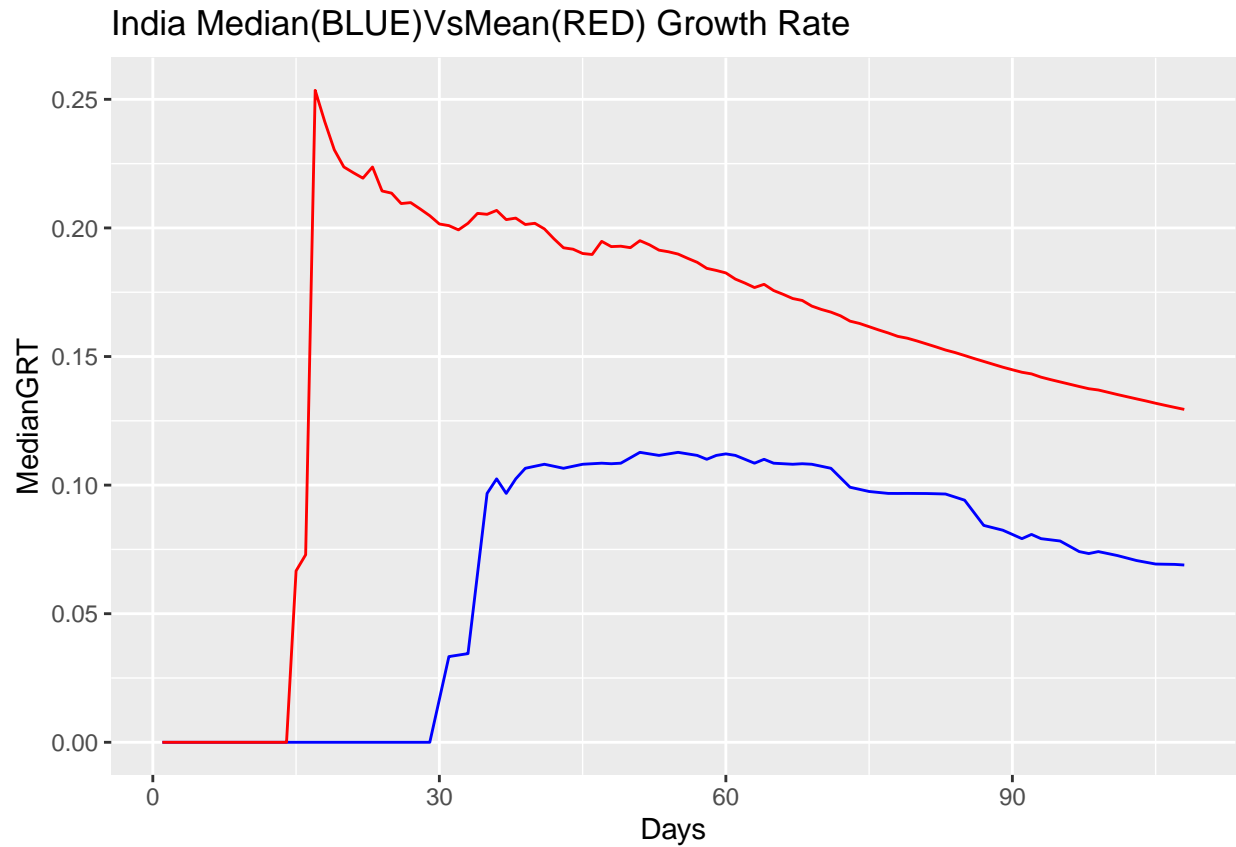


India:newCases(Orange)



India: TotalDeaths/TotalCases





Results:

- Tomorrow's predicted case number is between 2.3705302×10^5 and 2.5605798×10^5 cases.
- Current doubling rate is **15 days**
- Mean doubling rate, i.e number of cases doubles every **5 days**.
- Median doubling rate, i.e number of cases doubles every **10 days**.
- Latest Observed Growth Rate **4.560842** percent.
- Mean Growth Rate: **12.9436707** percent.
- Median Growth Rate: **6.8935916** percent.
- Standard deviation: +/- **31.6443764**.