

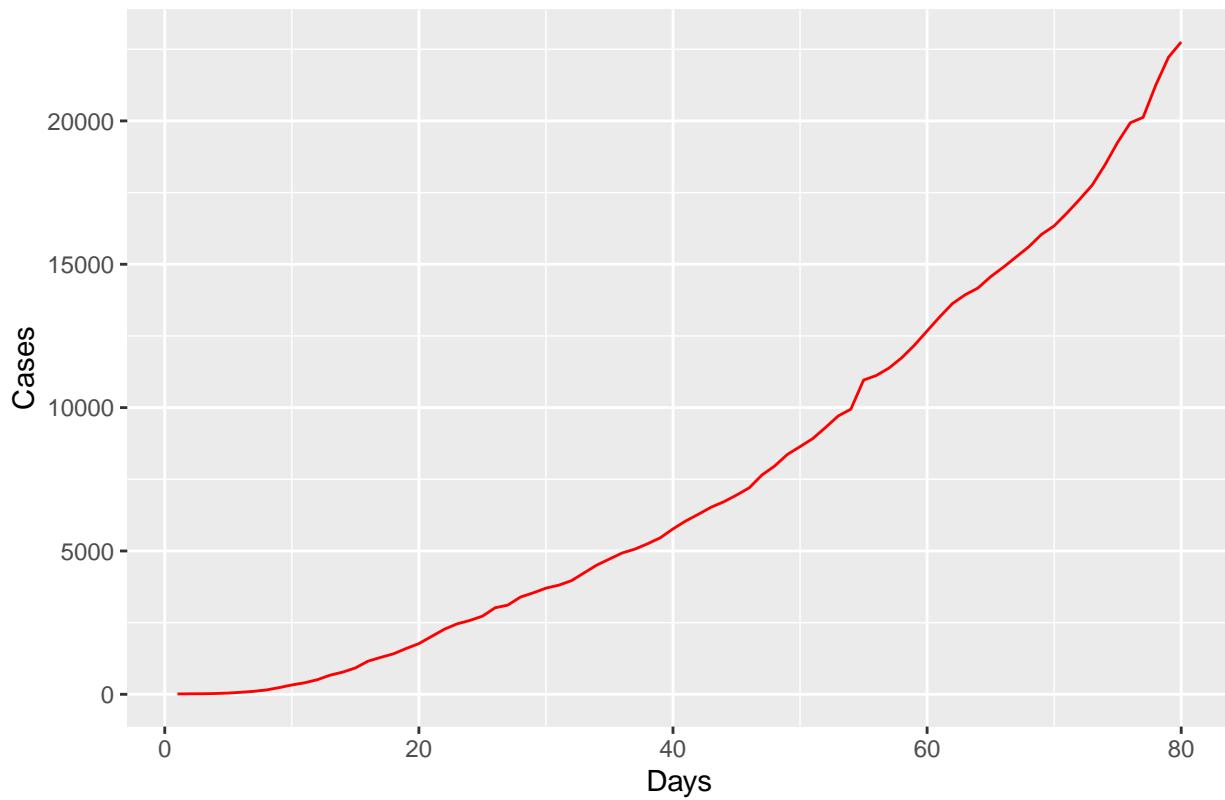
Arizona/US/India Corona Trends- 2nd June 2020 with tomorrow's prediction

Whitchurch Muthumani

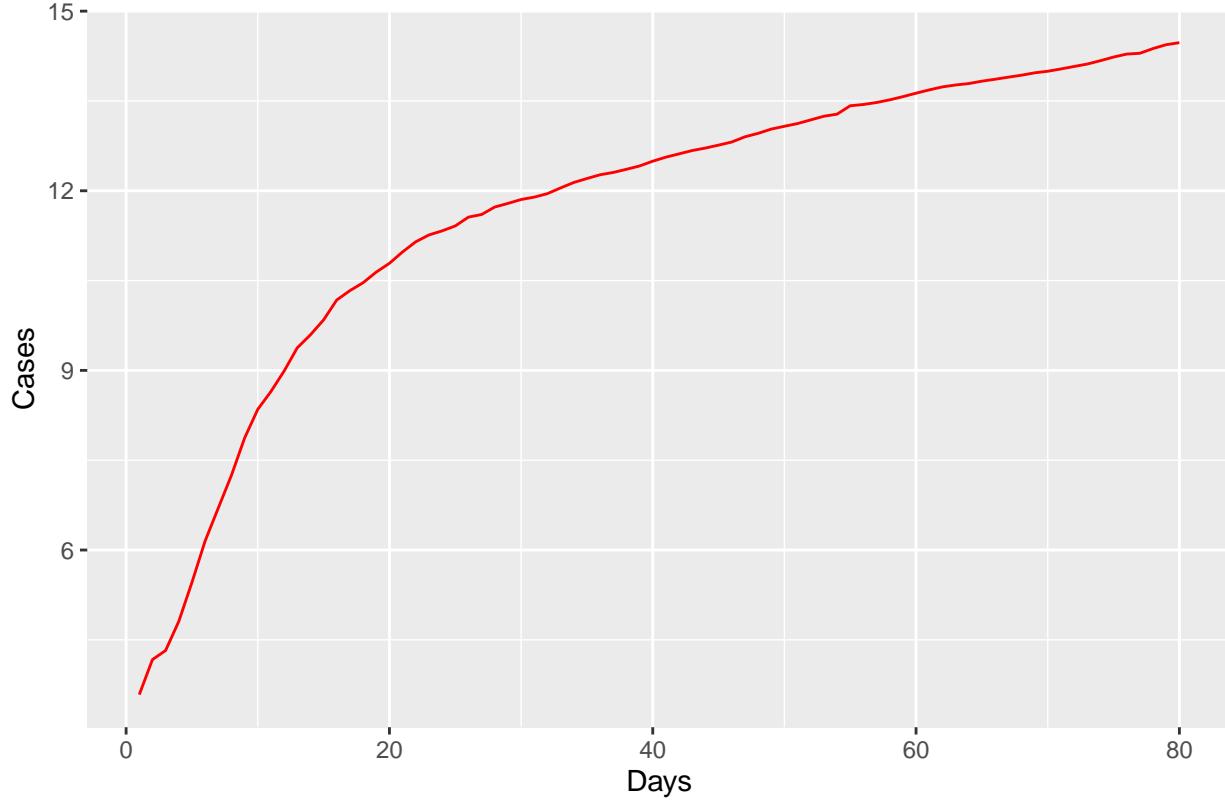
6/2/2020

Arizona Corona Dashboard

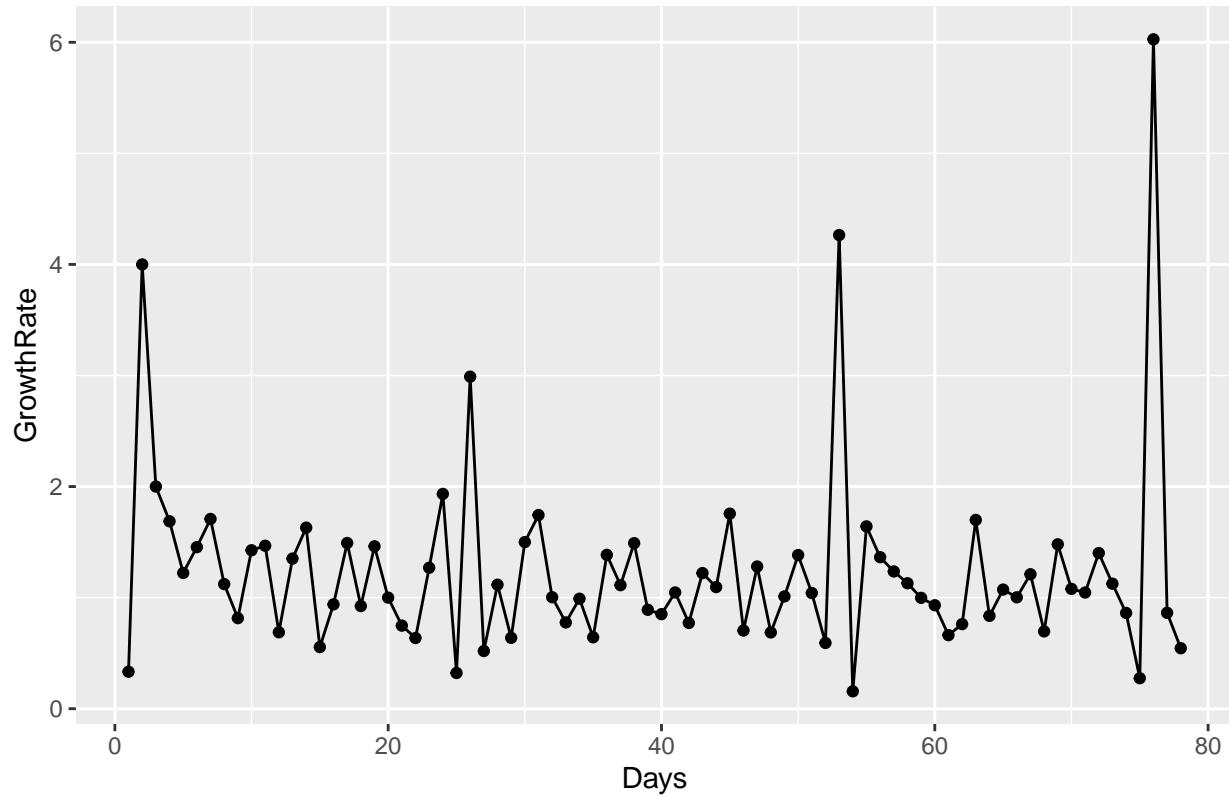
Arizona: Daily Cases



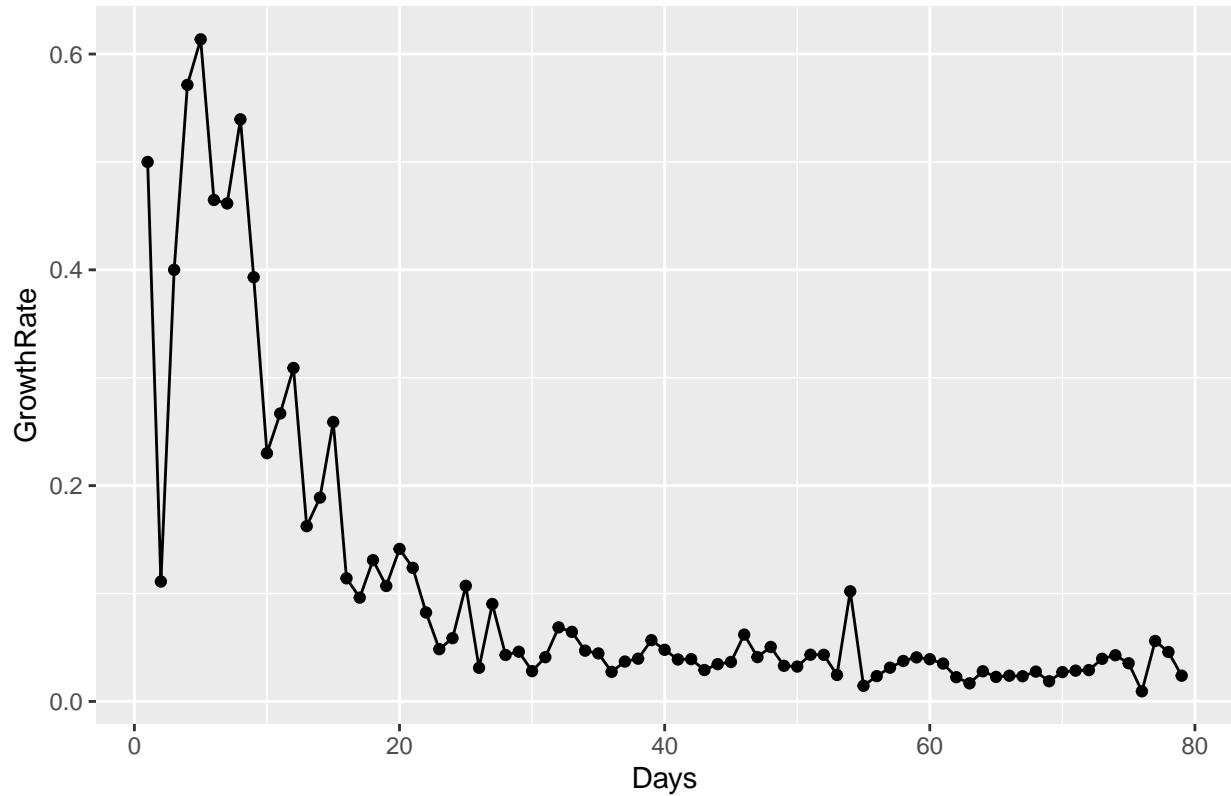
Arizona: Daily Cases



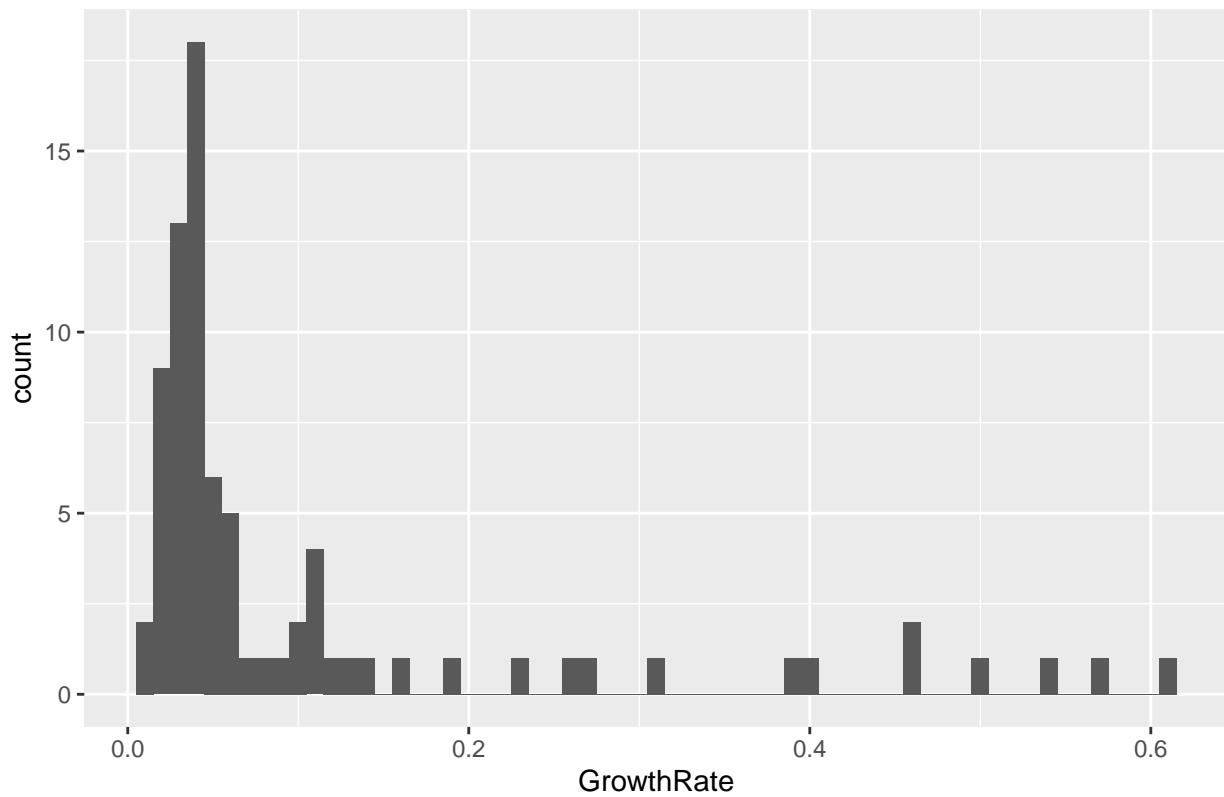
Arizona: Rate of change in Growth Rate



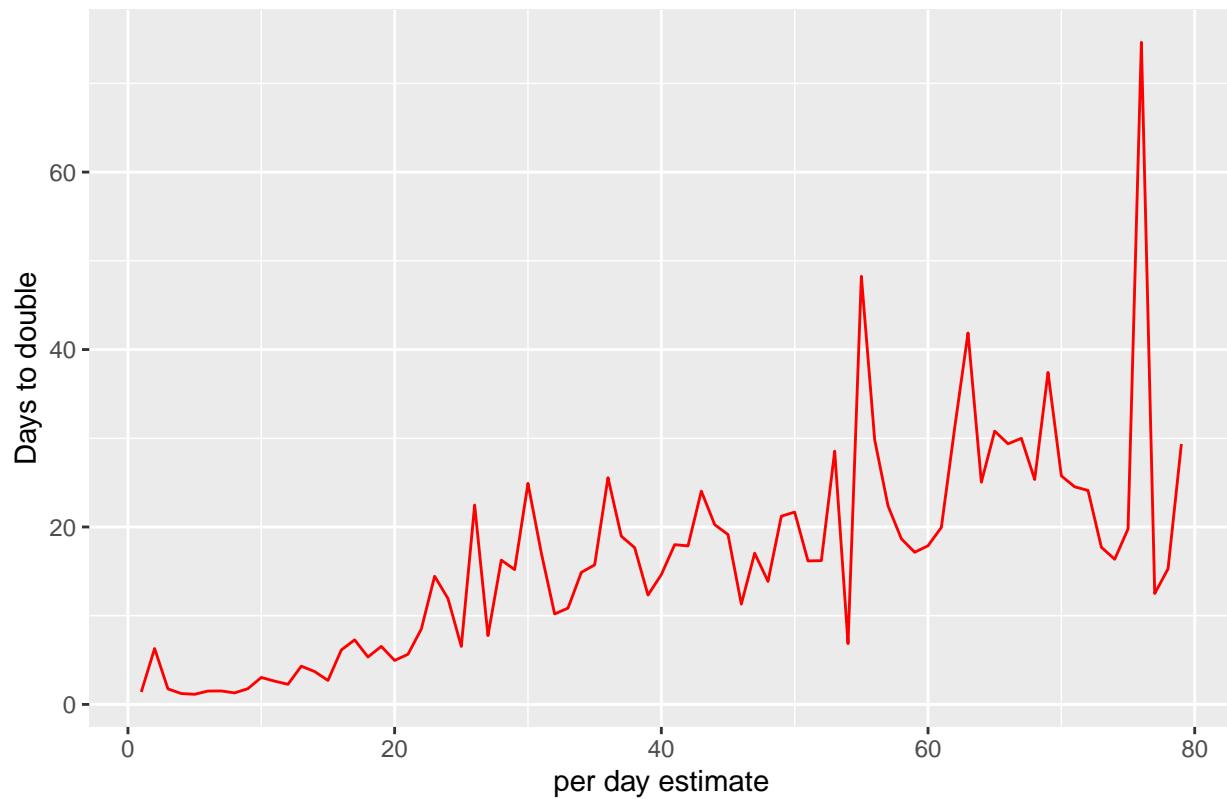
Arizona: Growth Rate



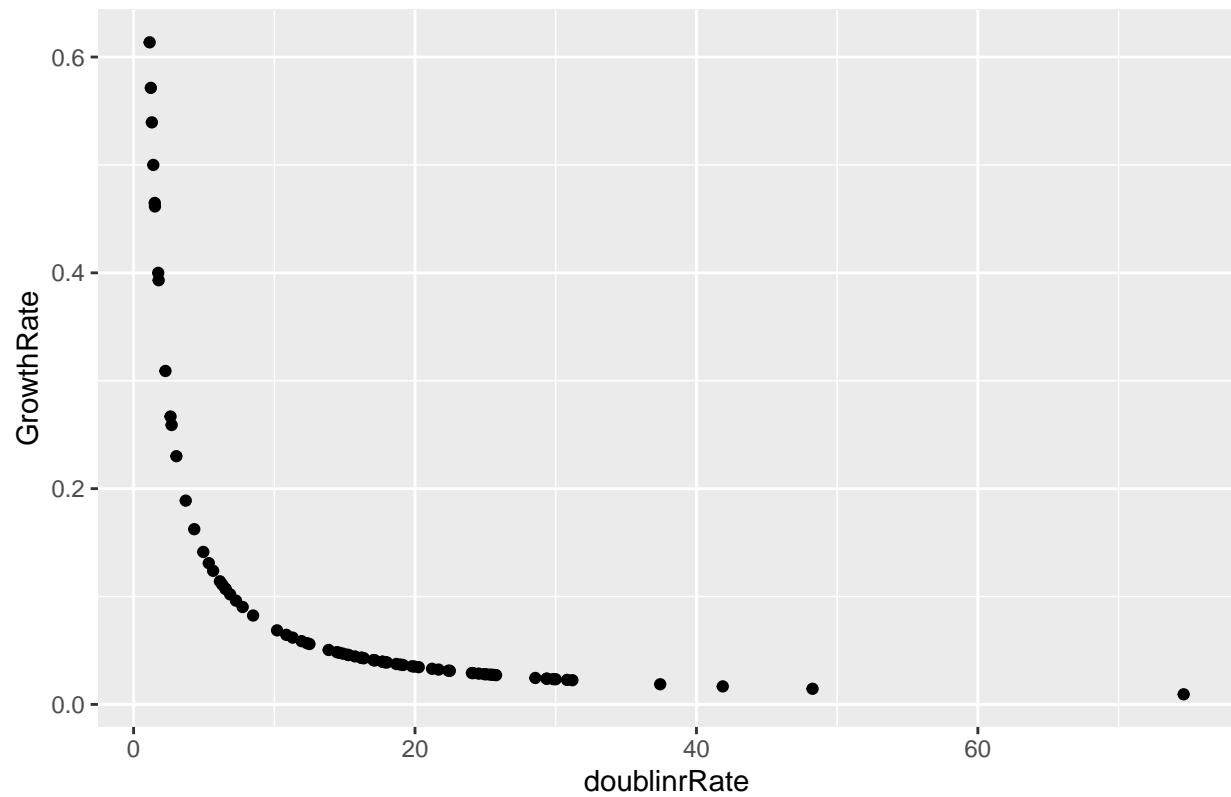
Histogram of GrowthRate



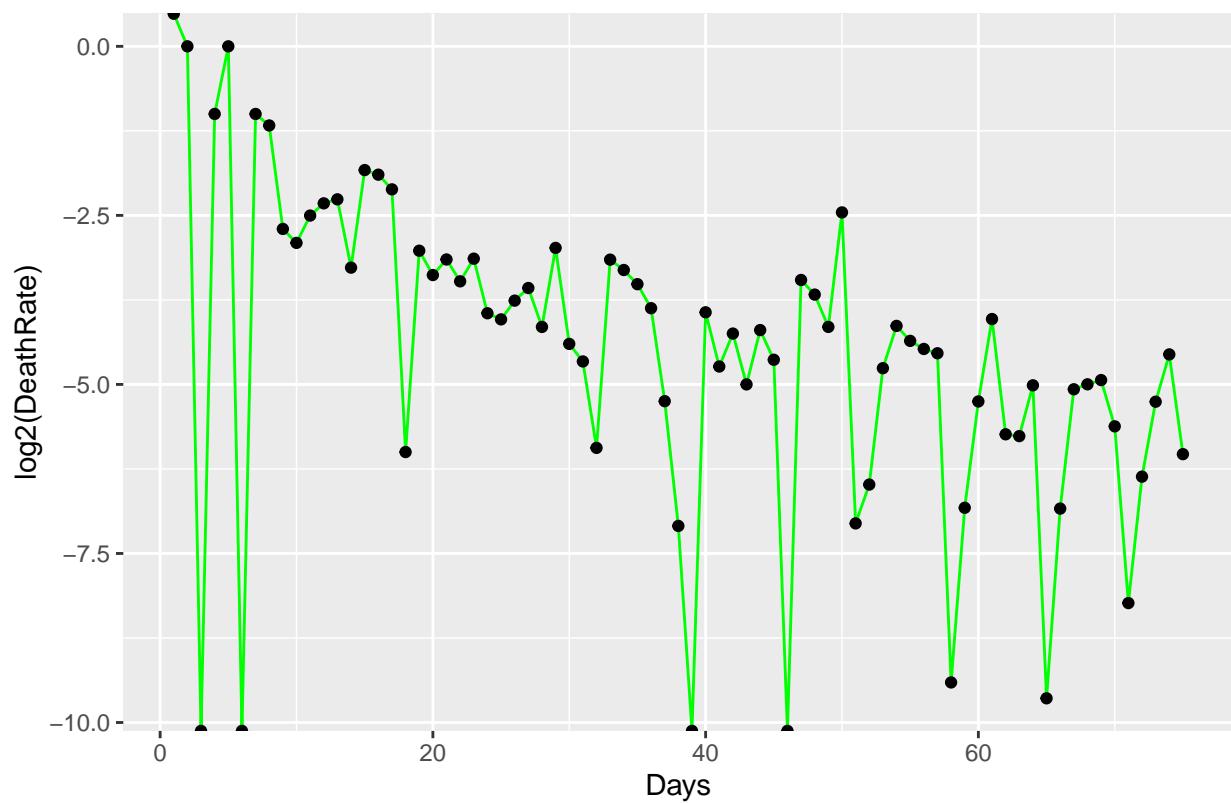
Doubling Rate in days



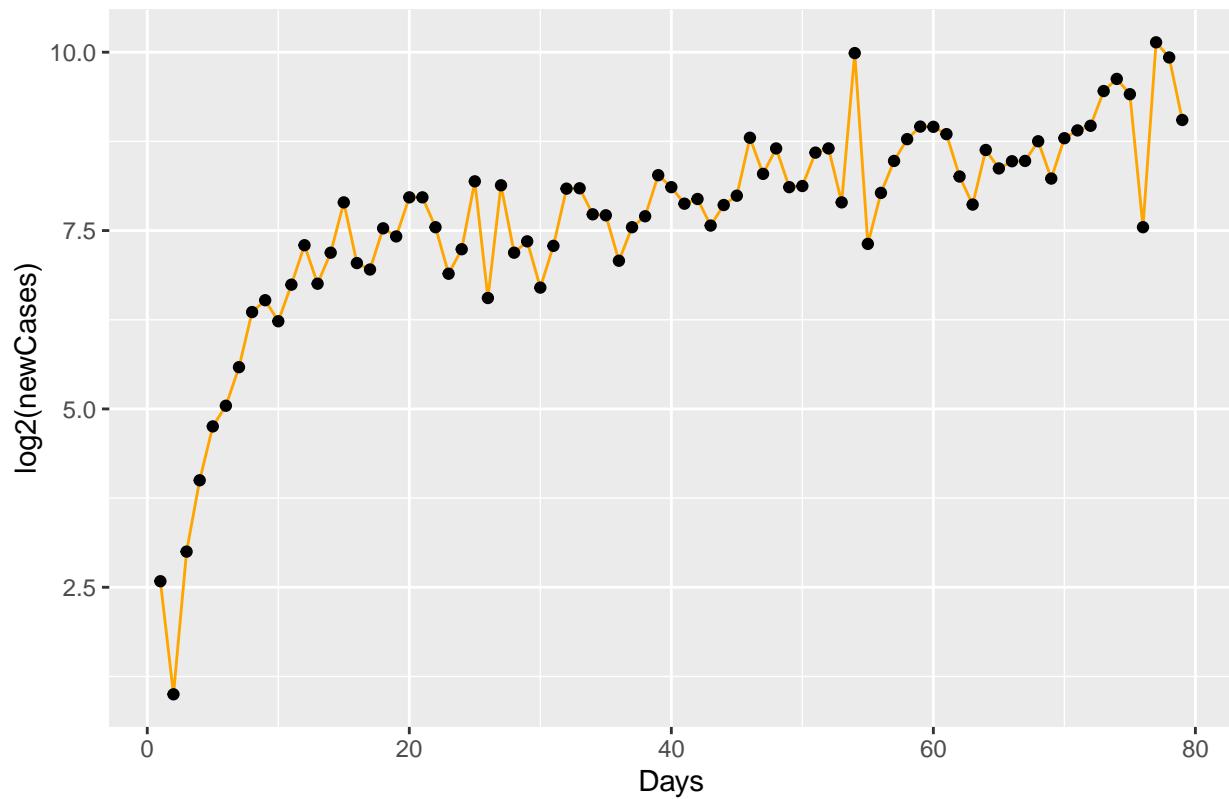
Doubling Rate vs Growth Rate



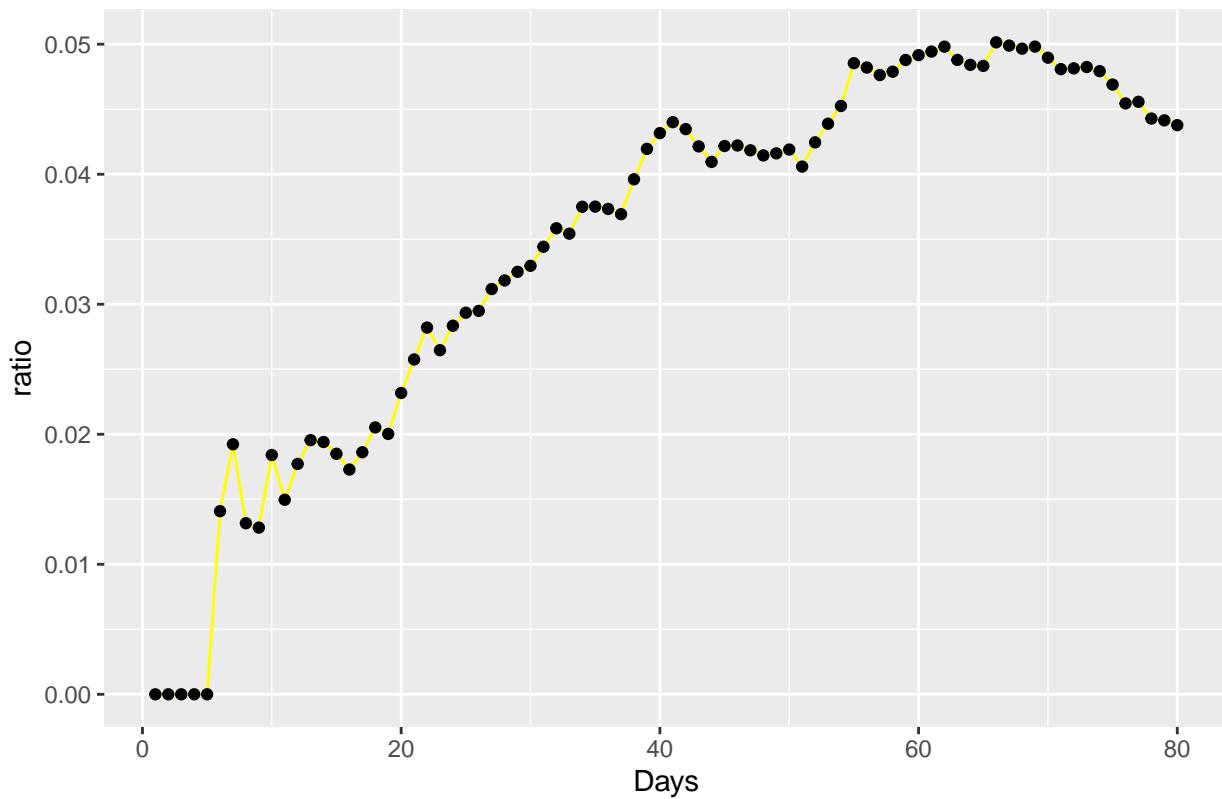
Arizona: Daily Death Rate



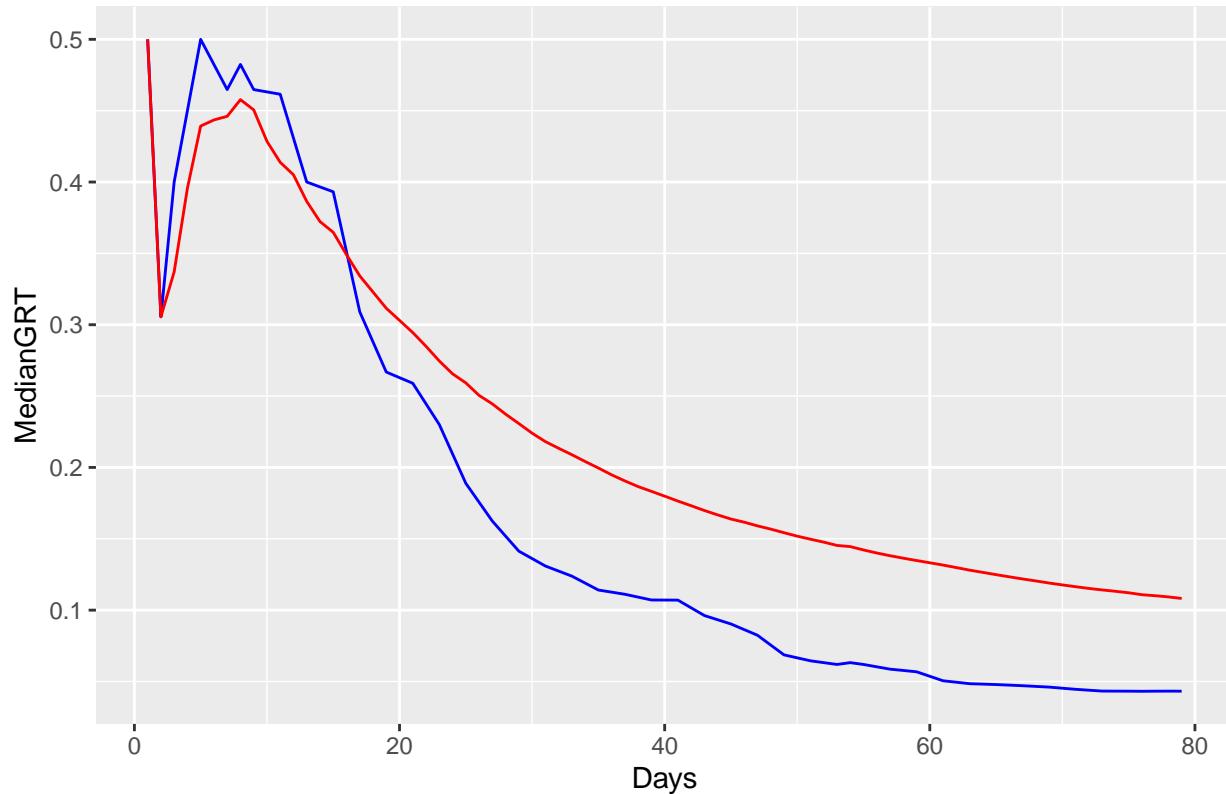
Arizona:newCases(Orange)



Arizona: TotalDeaths/TotalCases



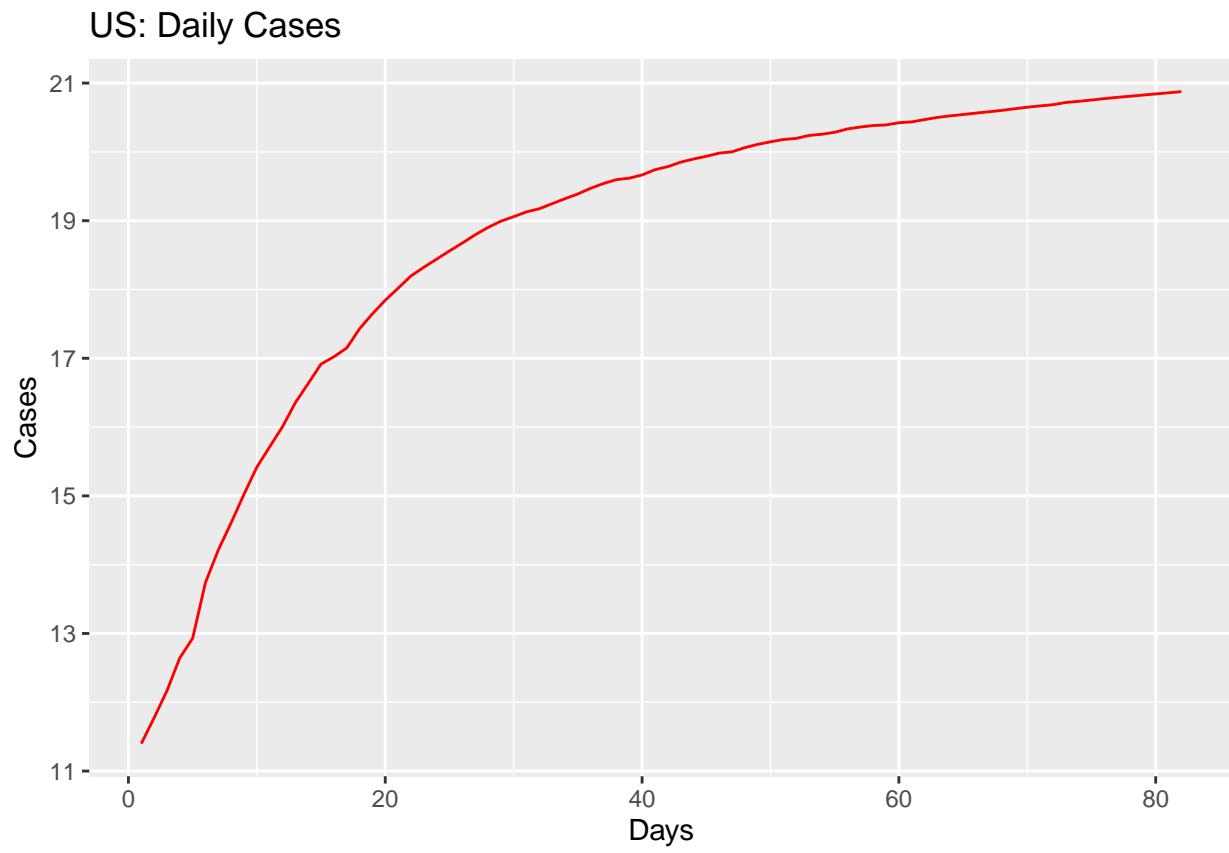
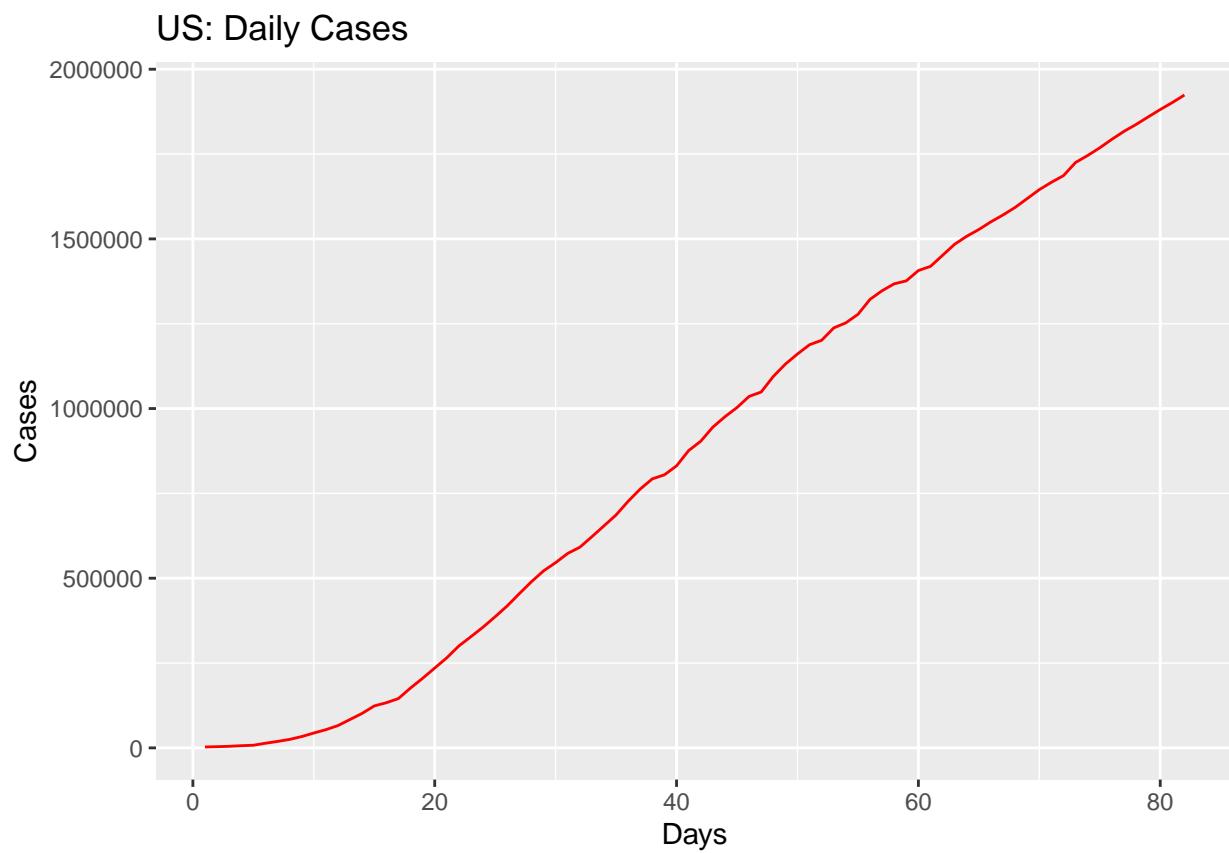
Arizona Median(BLUE)VsMean(RED) Growth Rate



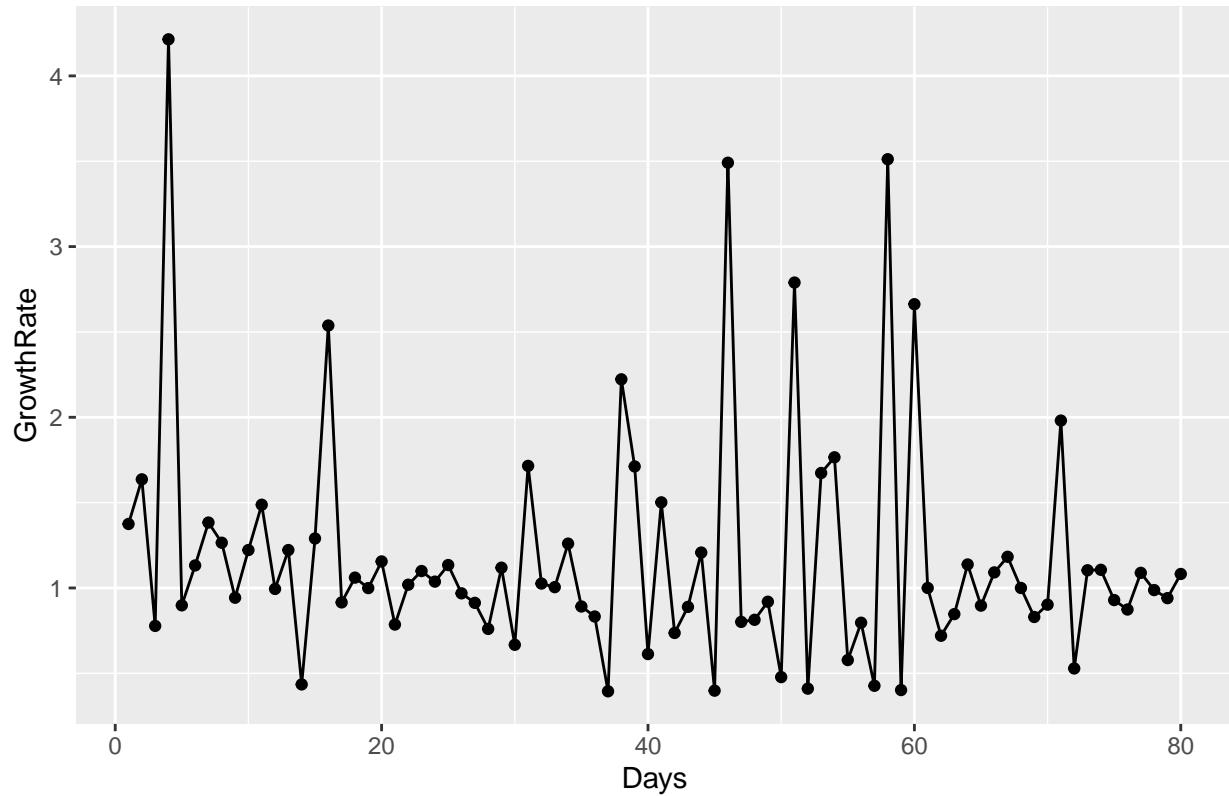
Results:

- Tomorrows 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**.

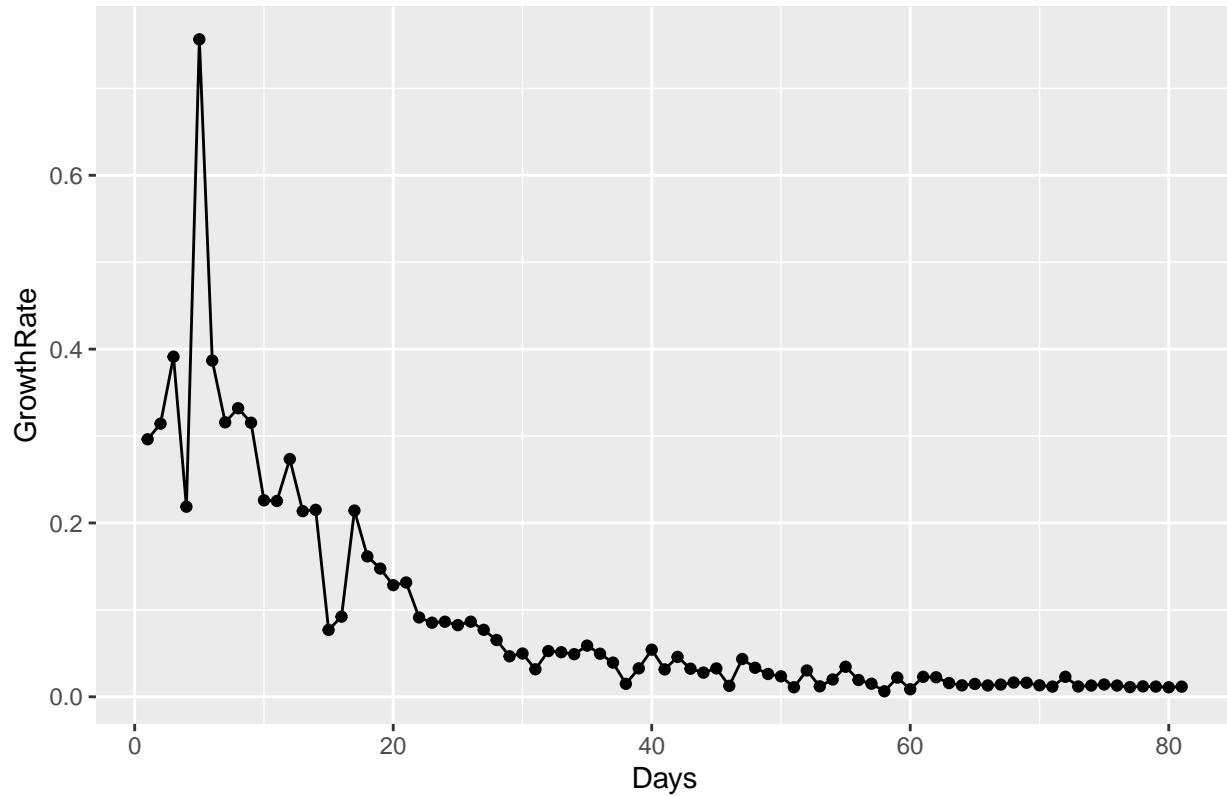
US Corona Dashboard



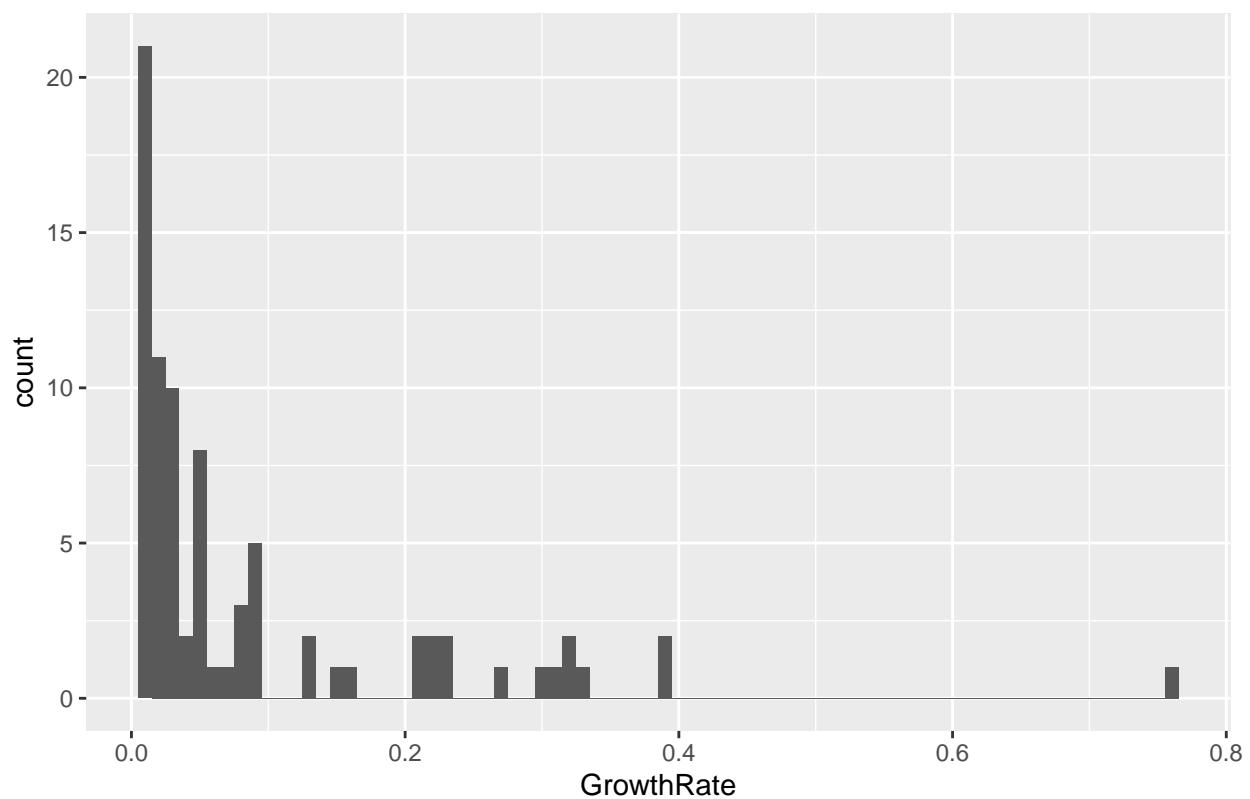
US: Rate of change in Growth Rate



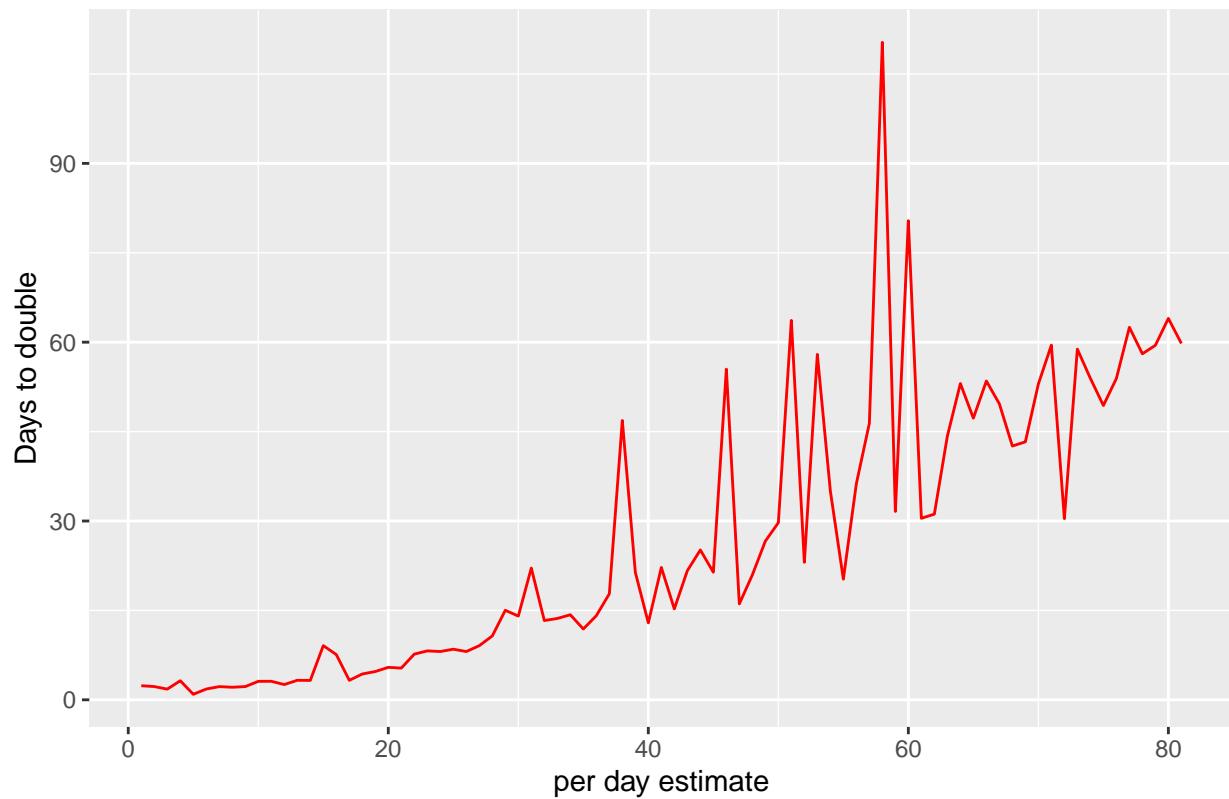
US: Growth Rate



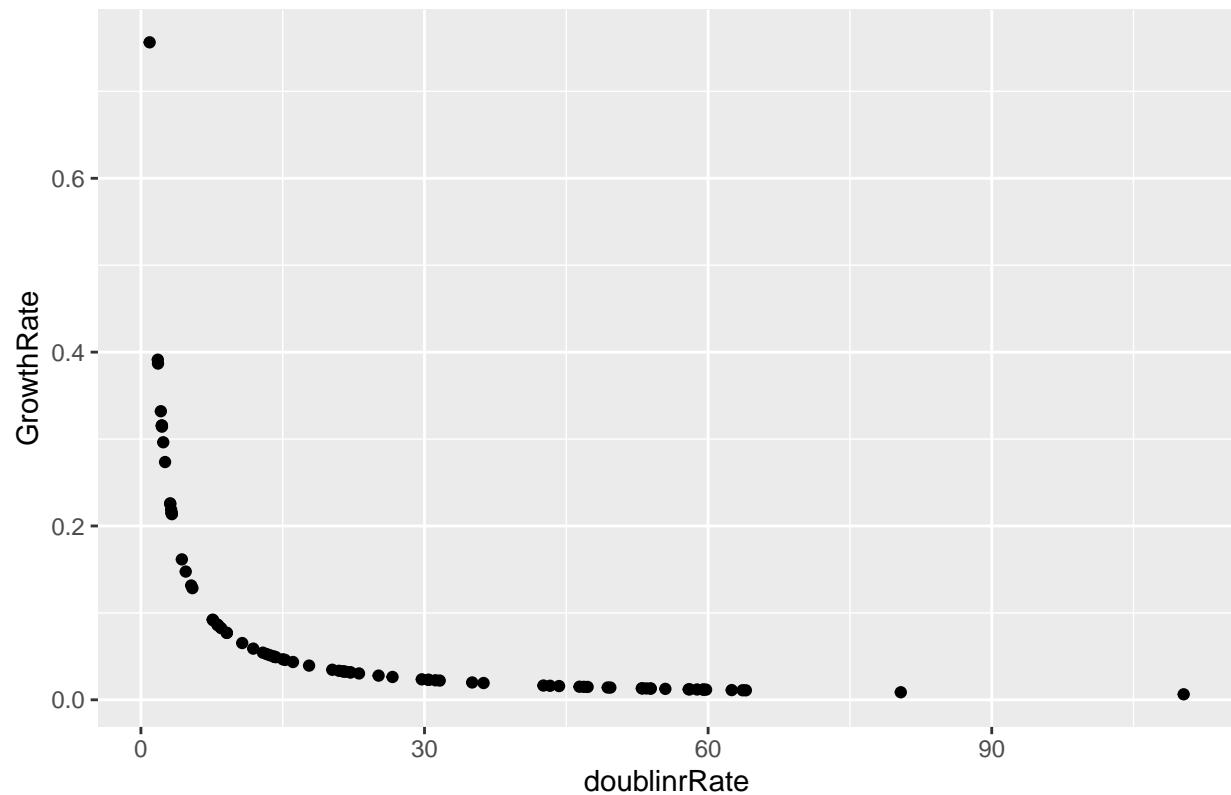
Histogram of GrowthRate



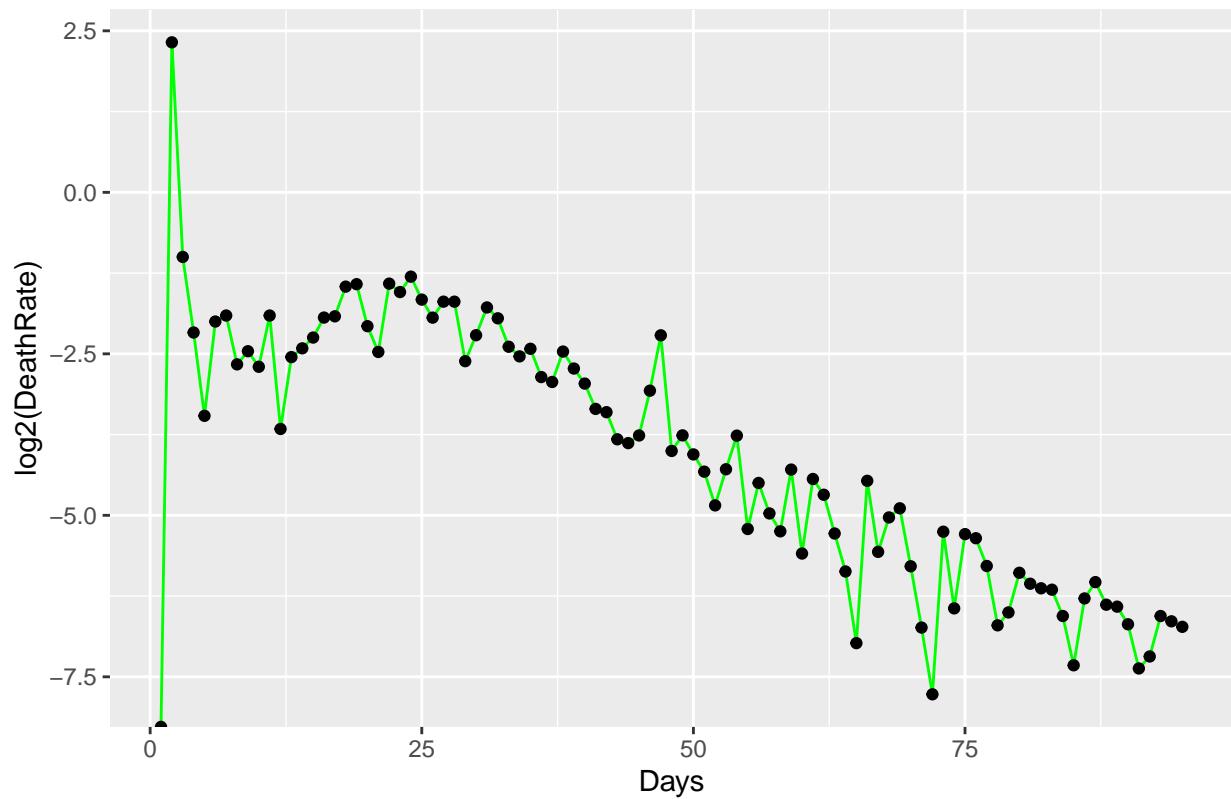
Doubling Rate in days



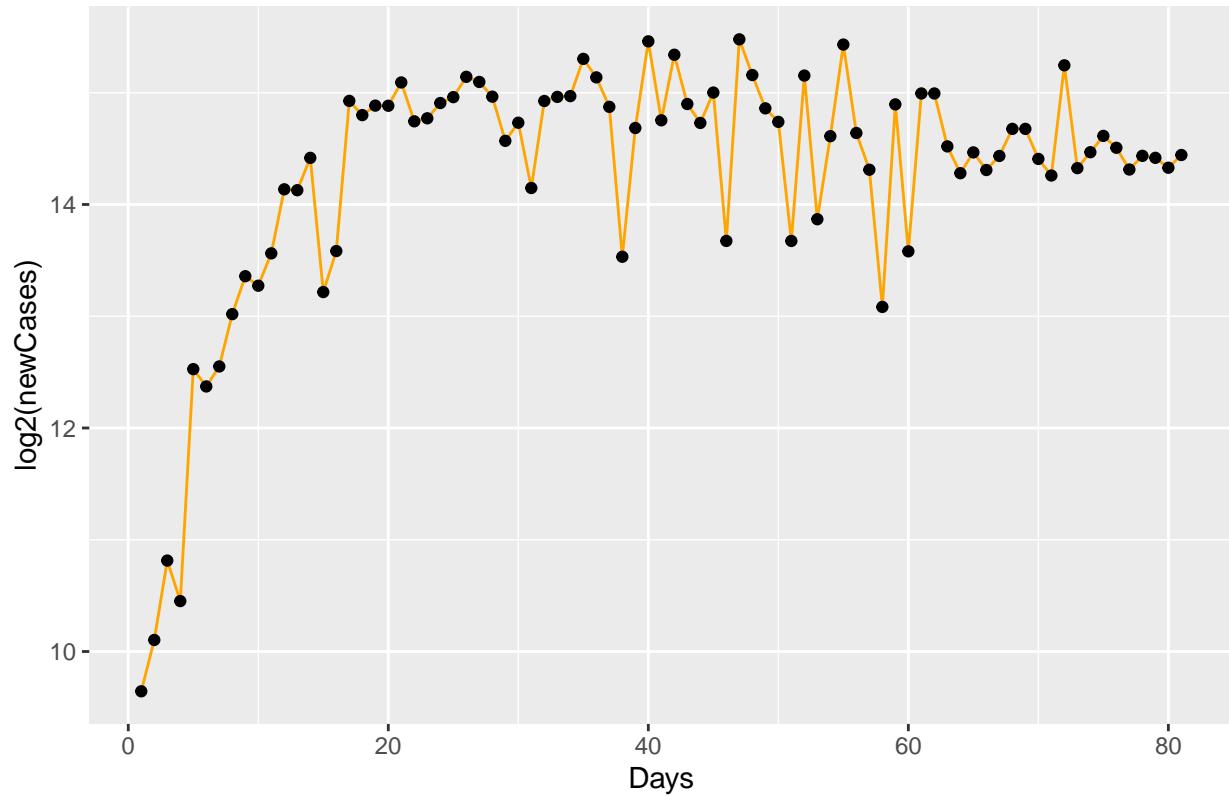
Doubling Rate vs Growth Rate



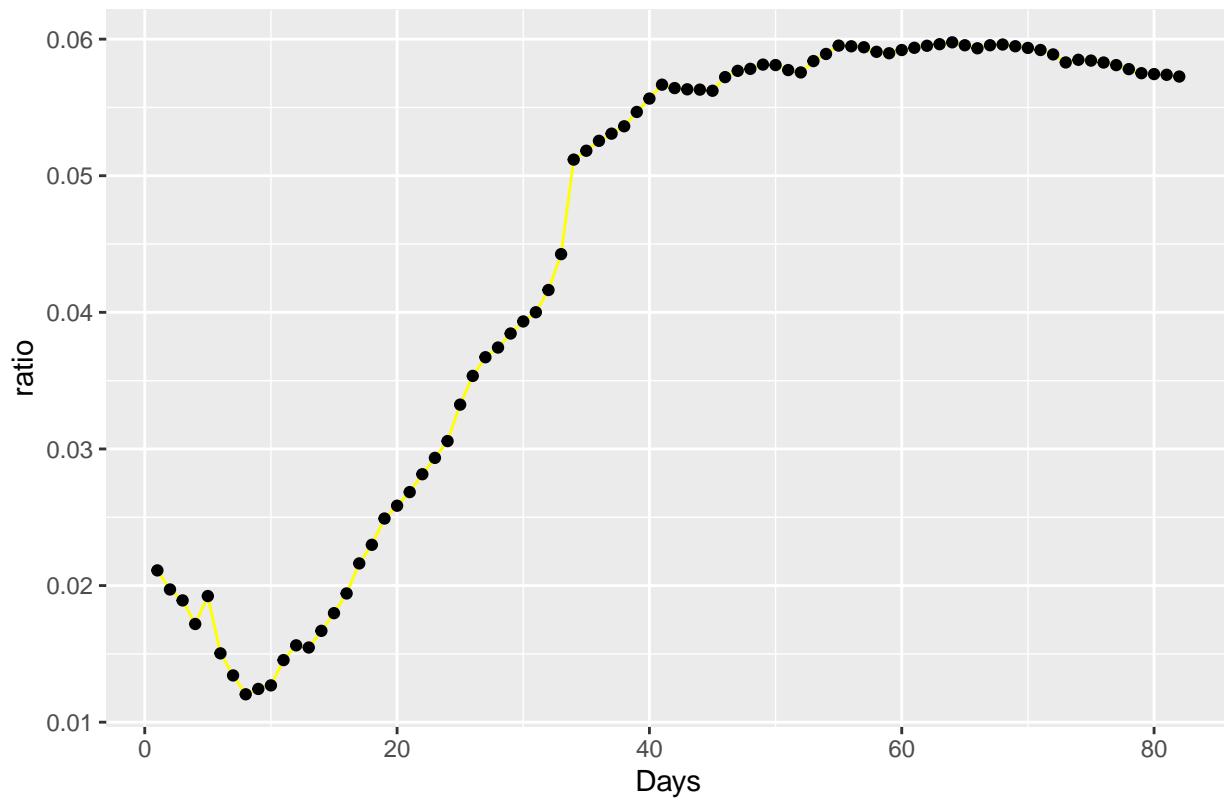
US: Daily Death Rate



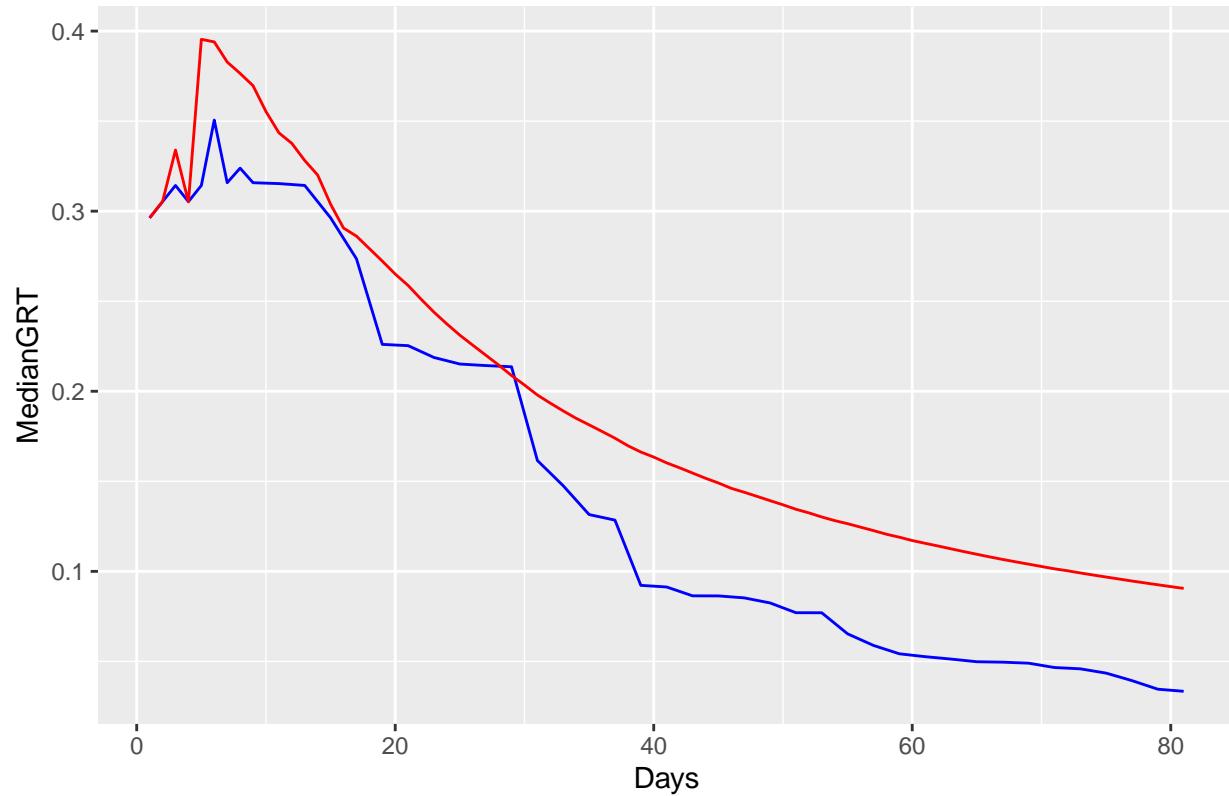
US:newCases(Orange)



US: TotalDeaths/TotalCases



US Median(BLUE)VsMean(RED) Growth Rate

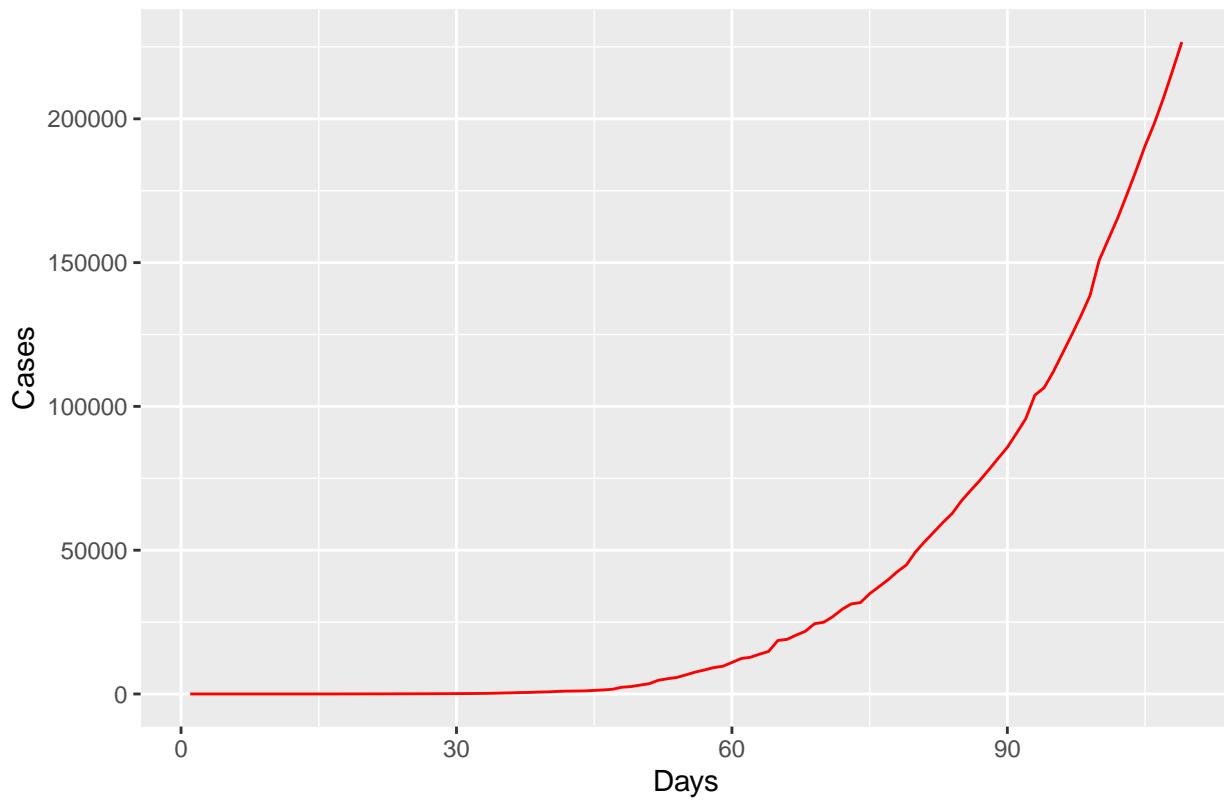


Results:

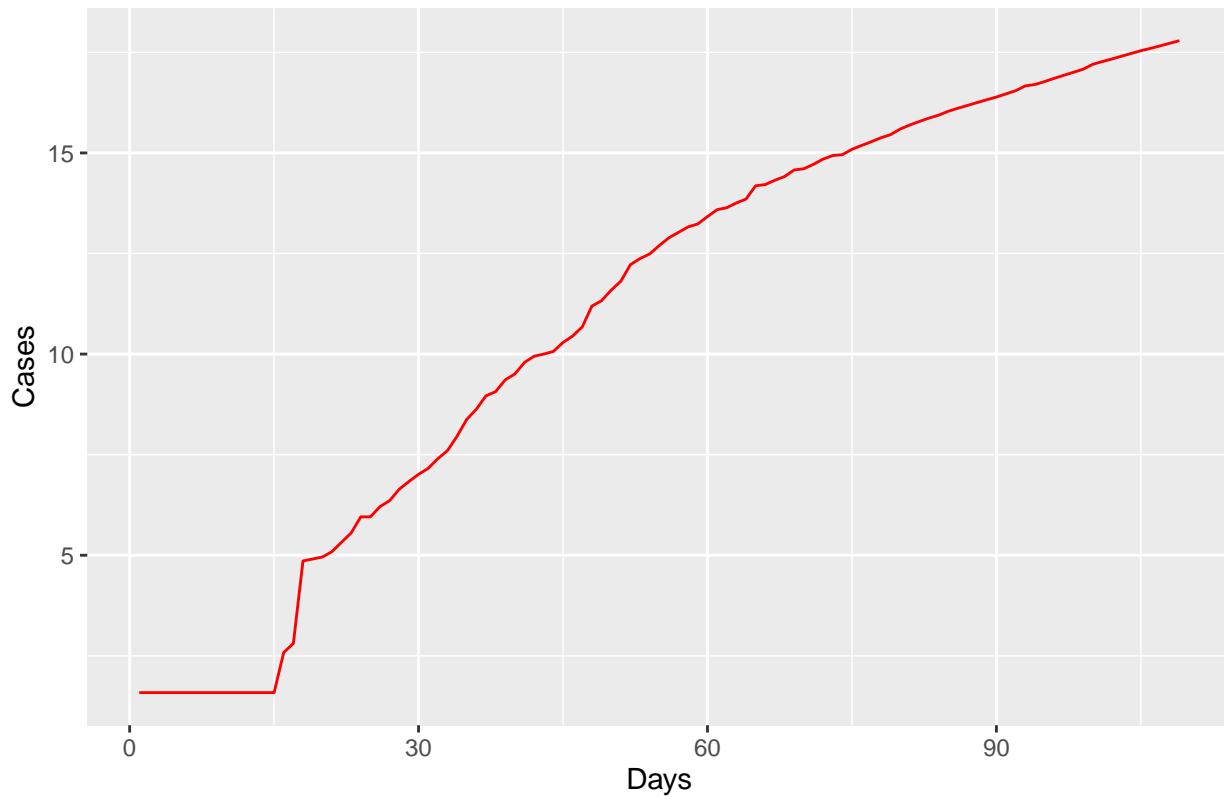
- Tomorrows predicted case number is between 1.9465797×10^6 and 2.0982684×10^6 cases.
- Current doubling rate is **60 days**
- Mean doubling rate, i.e number of cases doubles every **8 days**.
- Median doubling rate, i.e number of cases doubles every **21 days**.
- Latest Observed Growth Rate **1.1709012**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

India Corona Dashboard

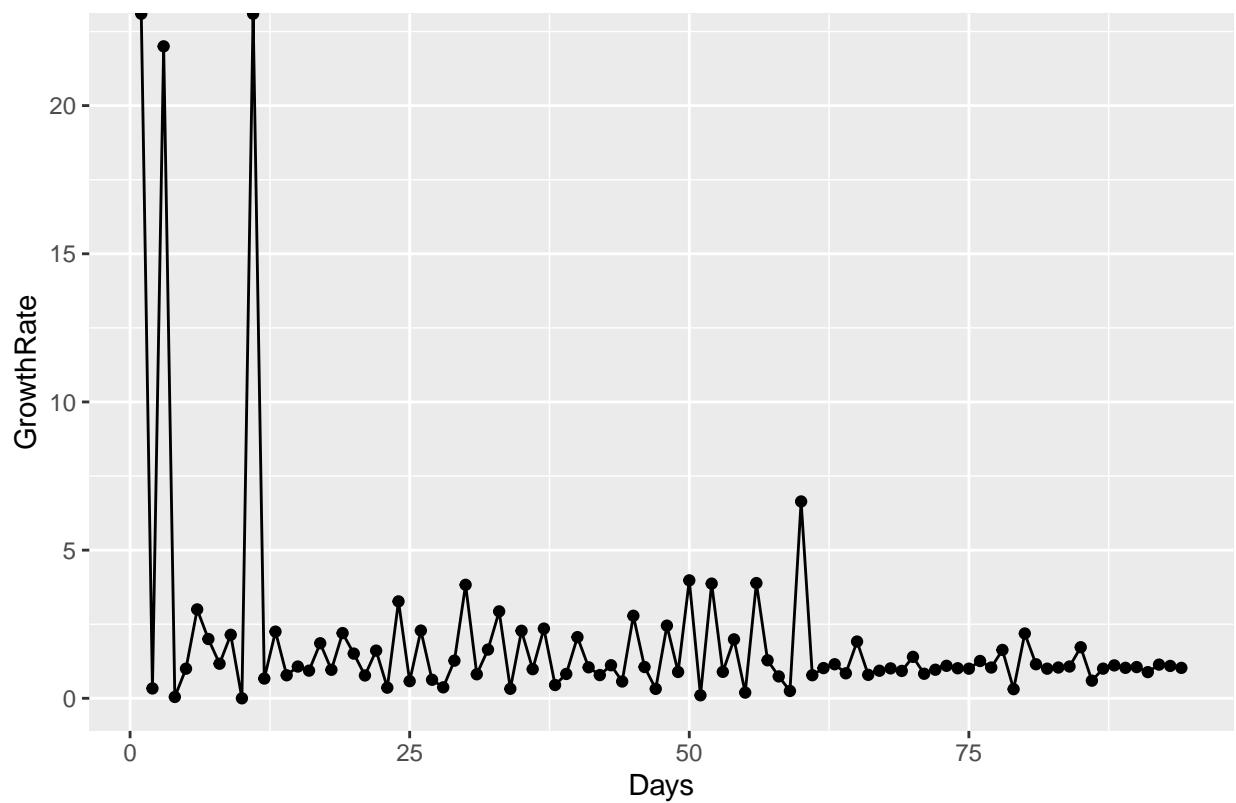
India: Daily Cases



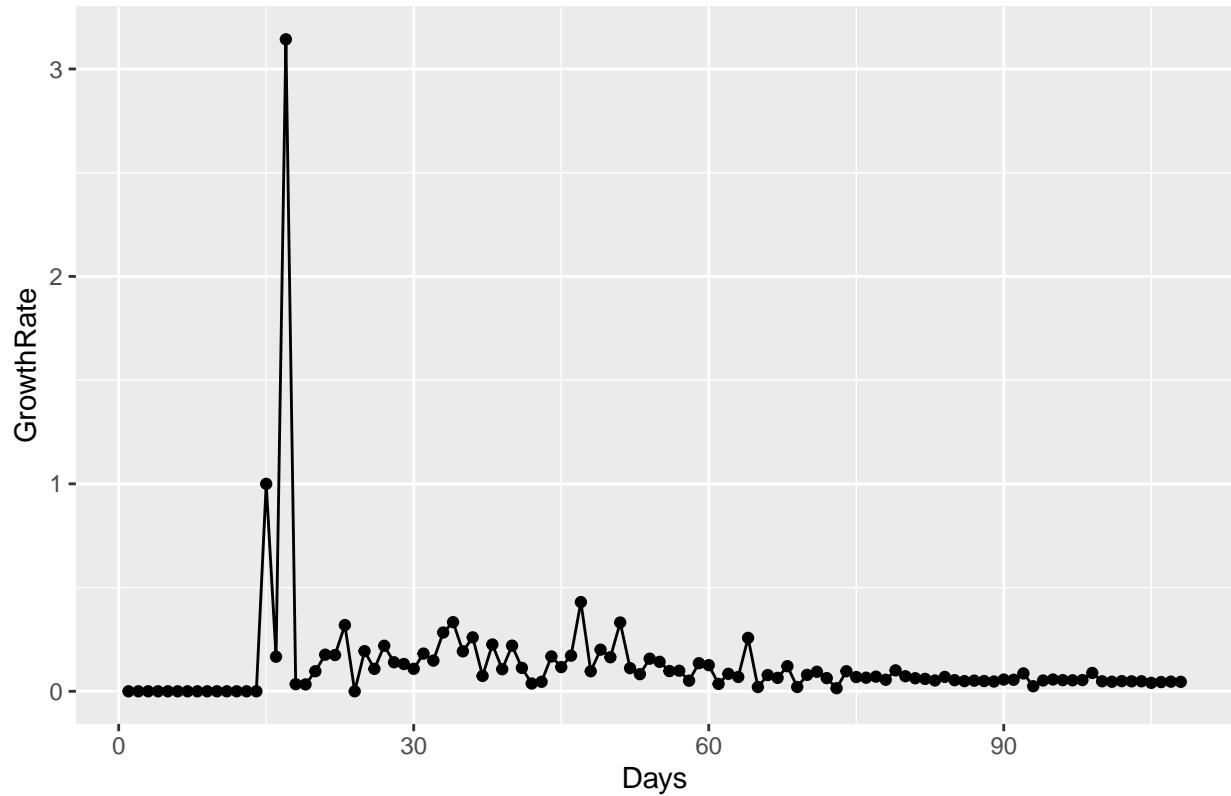
India: Daily Cases



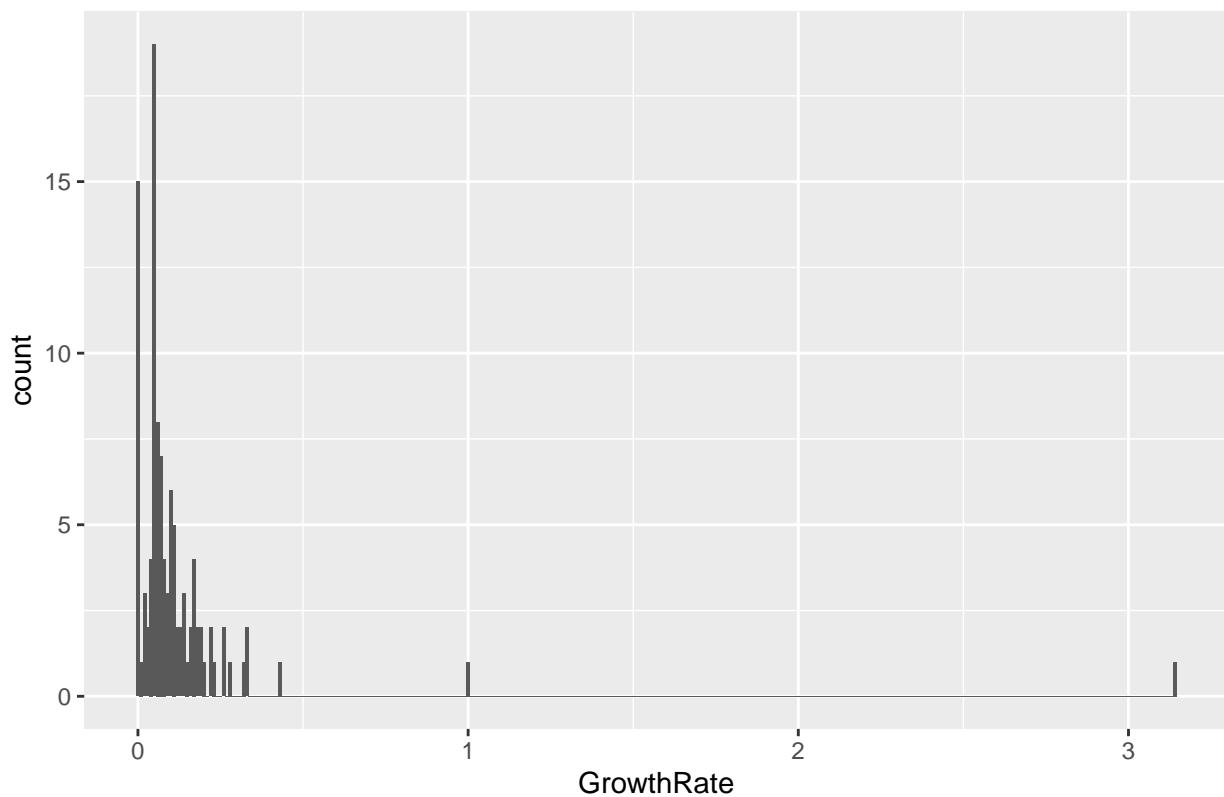
US: Rate of change in Growth Rate



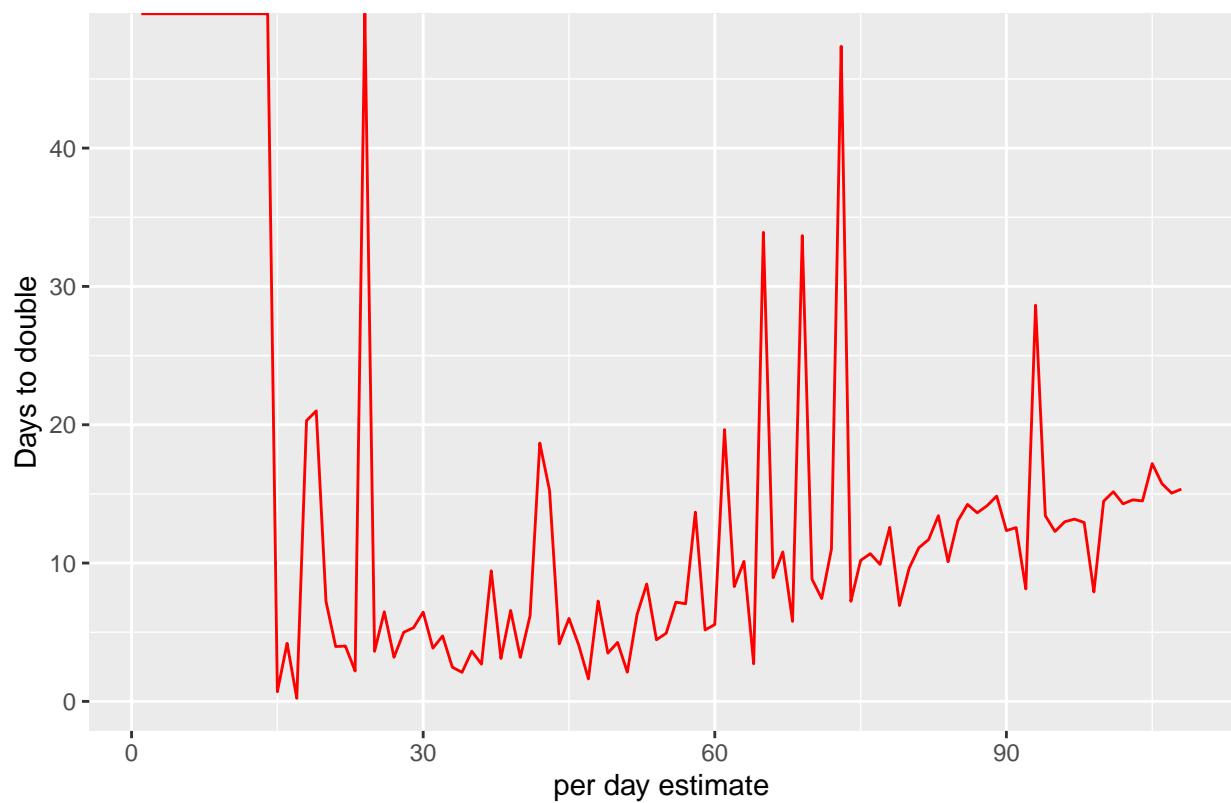
India: Growth Rate



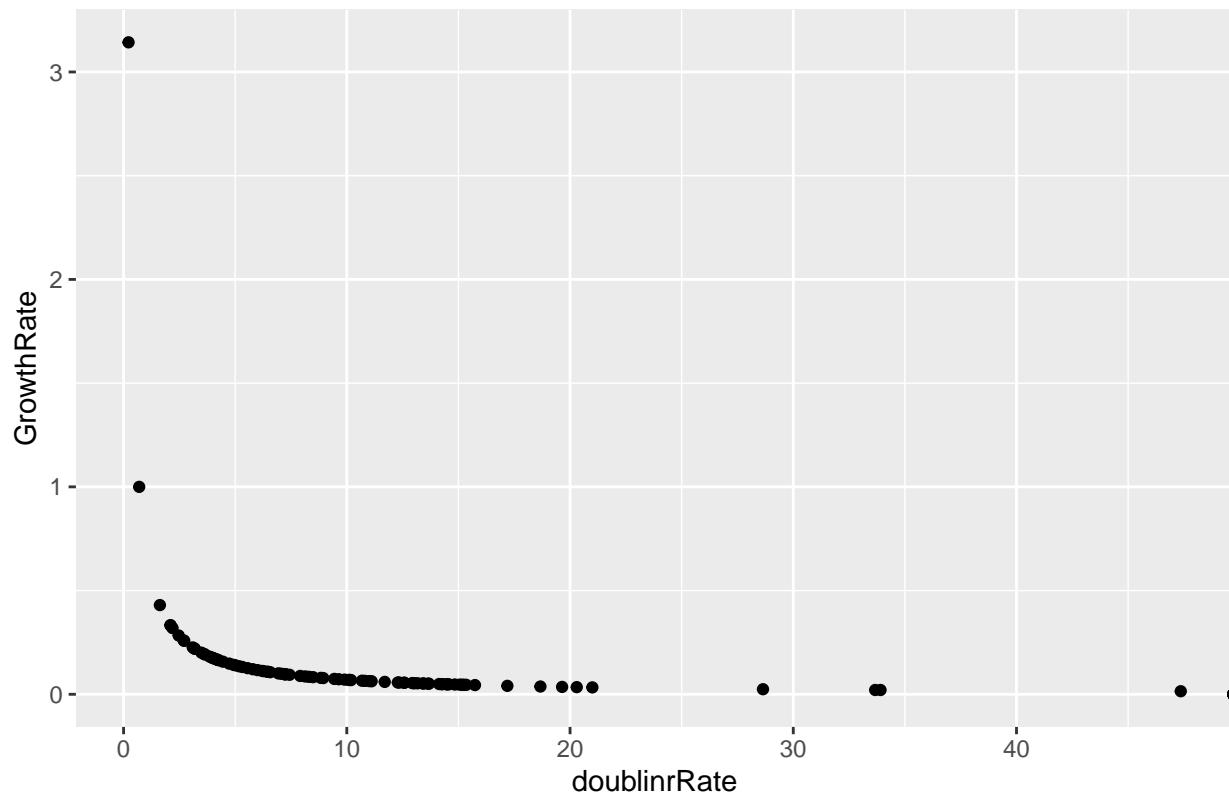
Histogram of GrowthRate



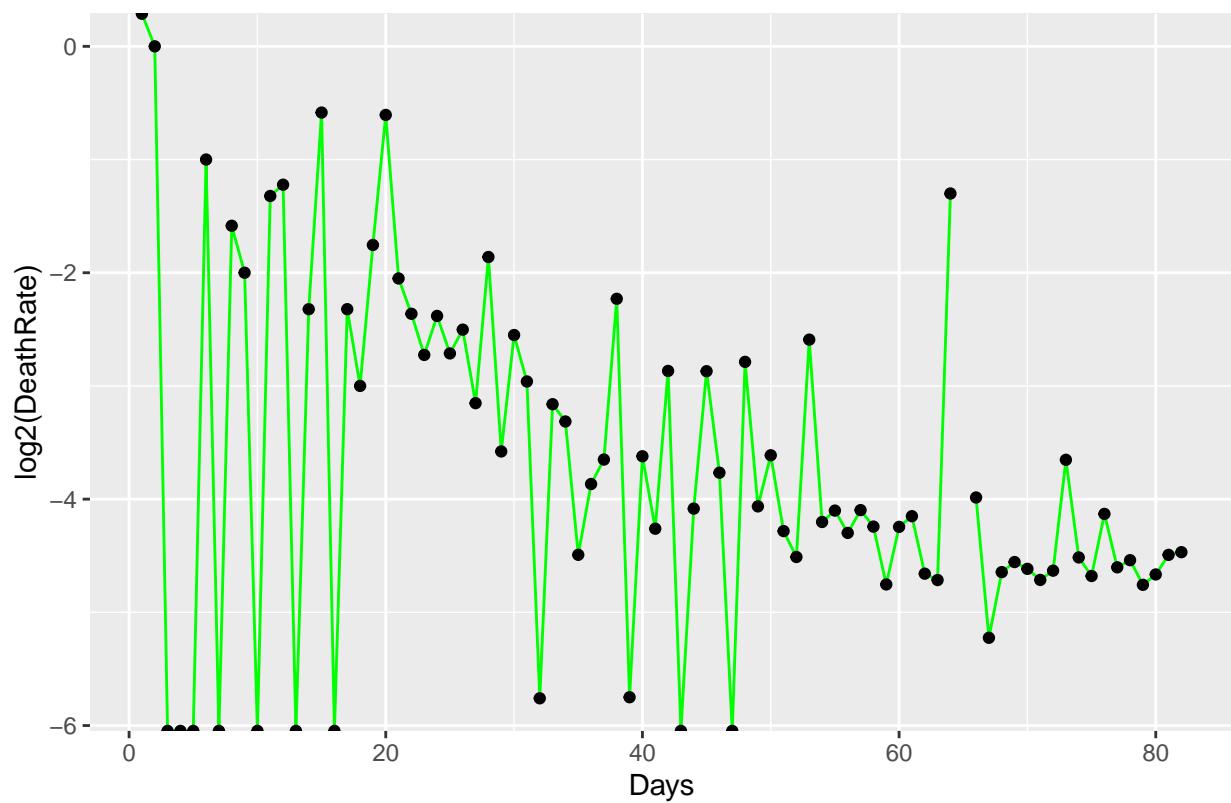
Doubling Rate in days



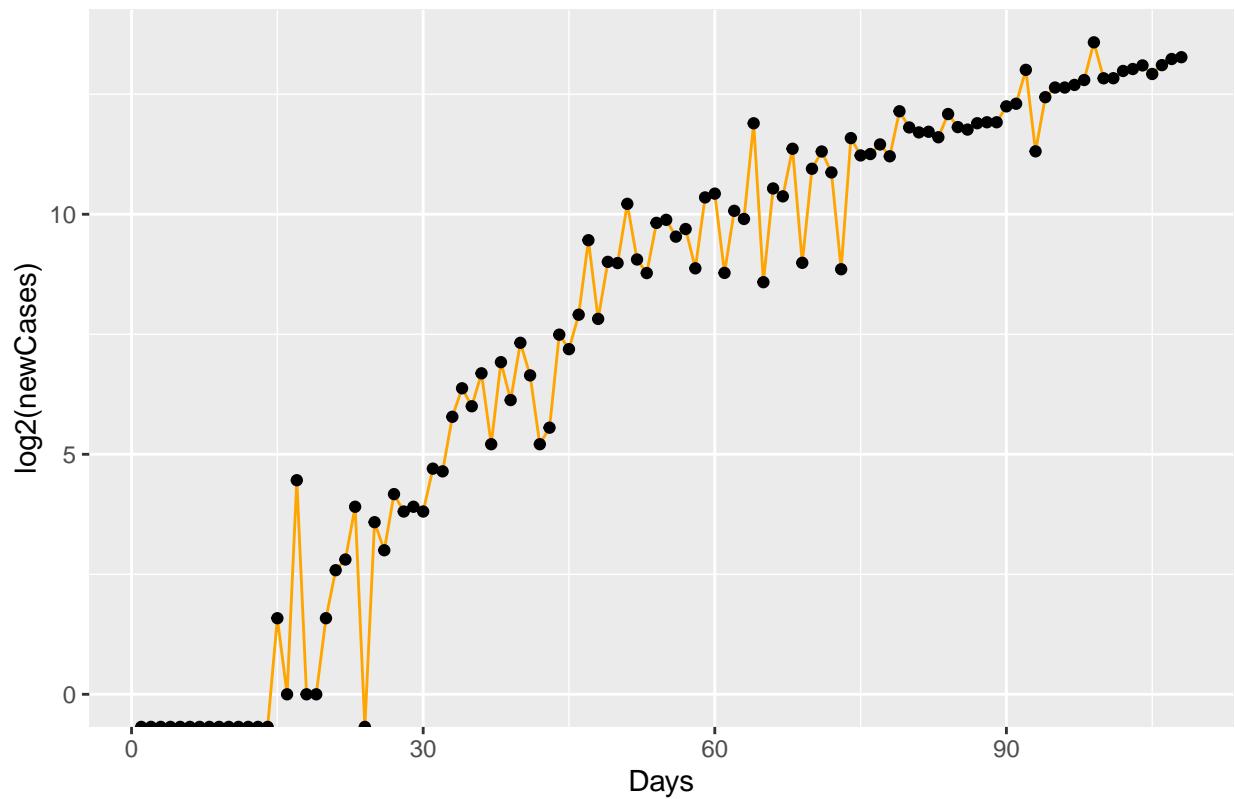
Doubling Rate vs Growth Rate



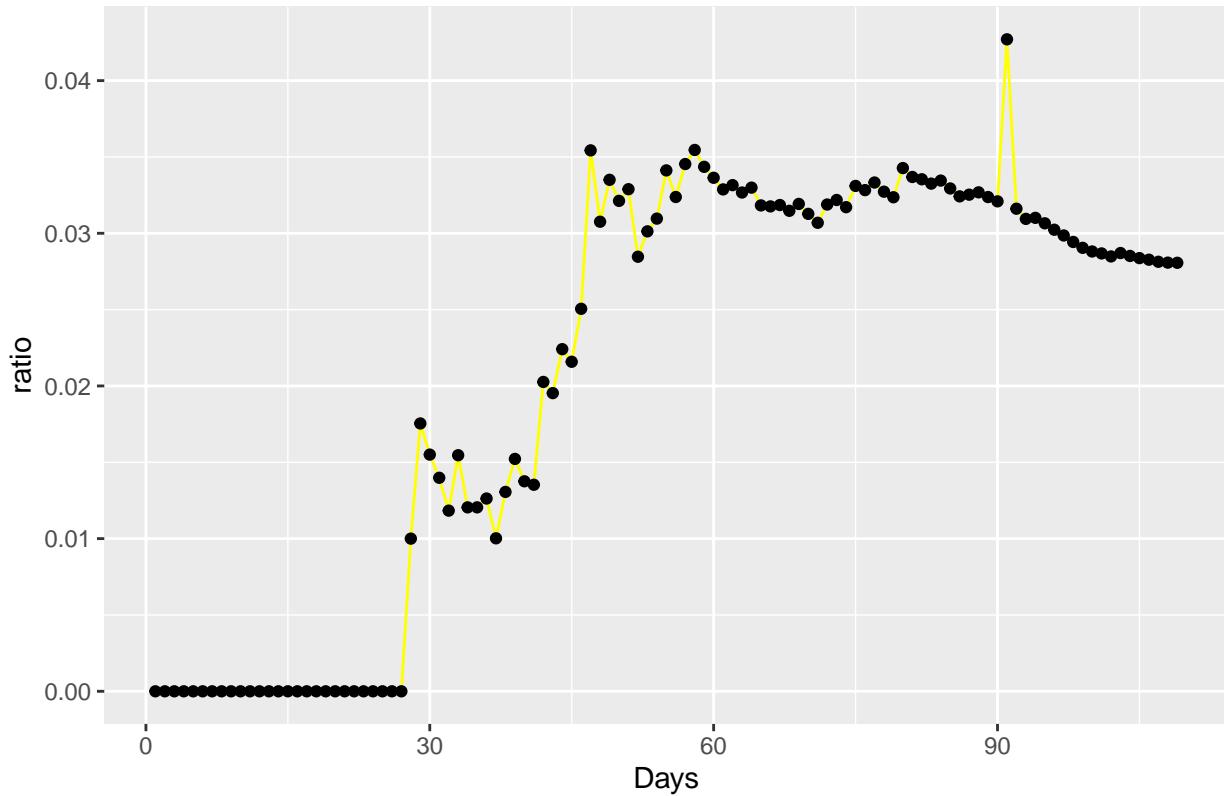
India: Daily Death Rate



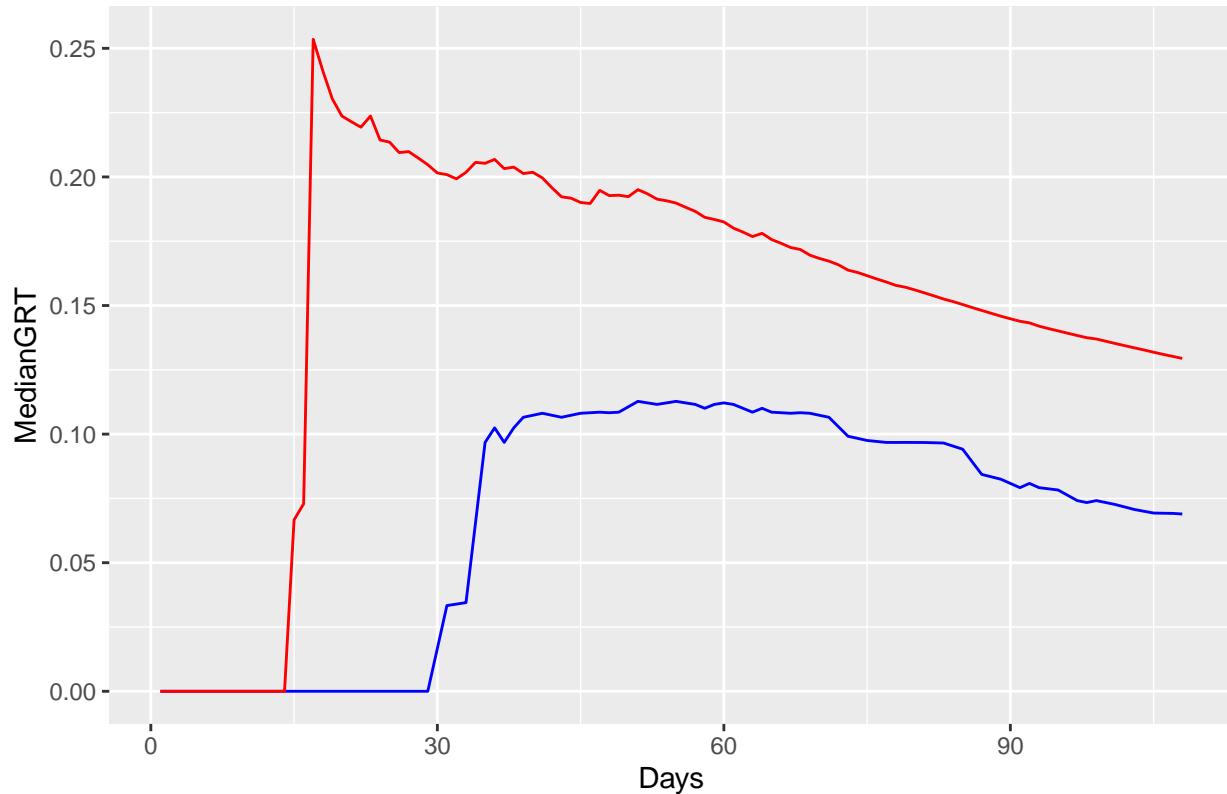
India:newCases(Orange)



India: TotalDeaths/TotalCases



India Median(BLUE)VsMean(RED) Growth Rate



Results:

- Tomorrows 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**.