

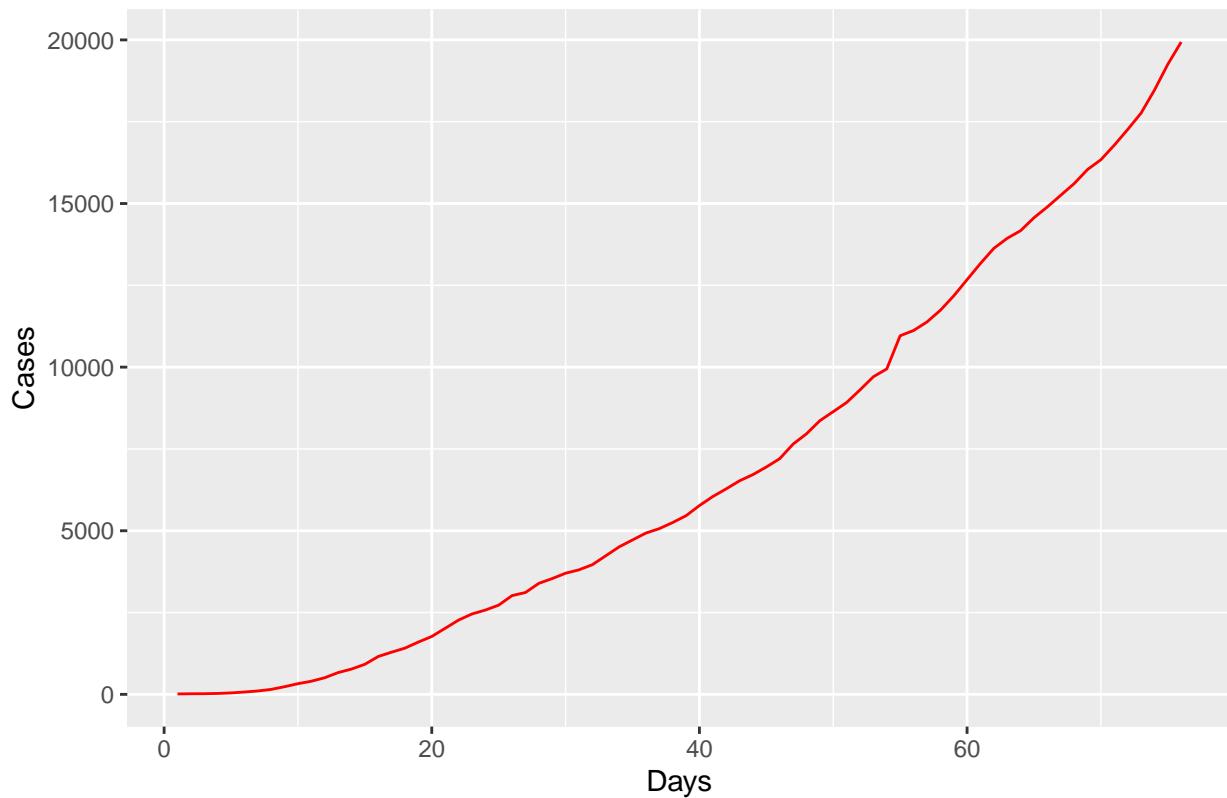
Arizona/US/India Corona Trends- 1st July 2020 with tomorrow's prediction

Whitchurch Muthumani

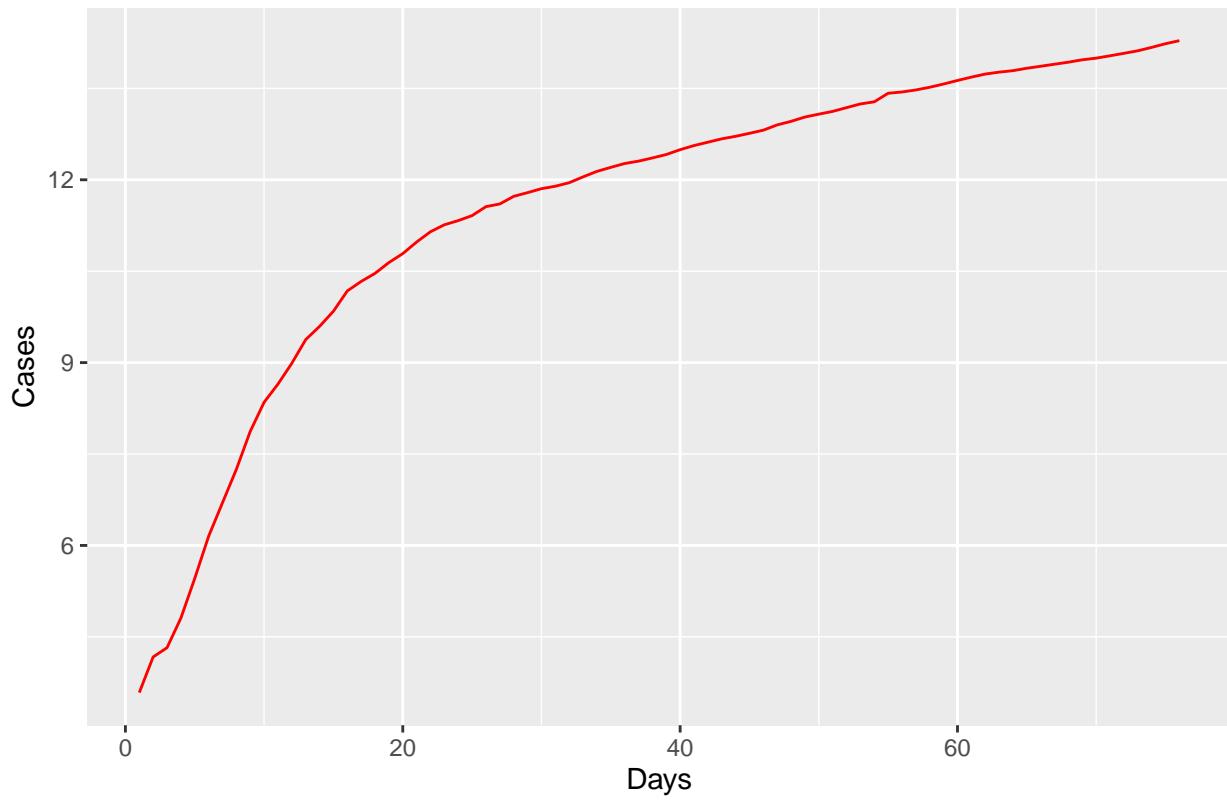
6/1/2020

Arizona Corona Dashboard

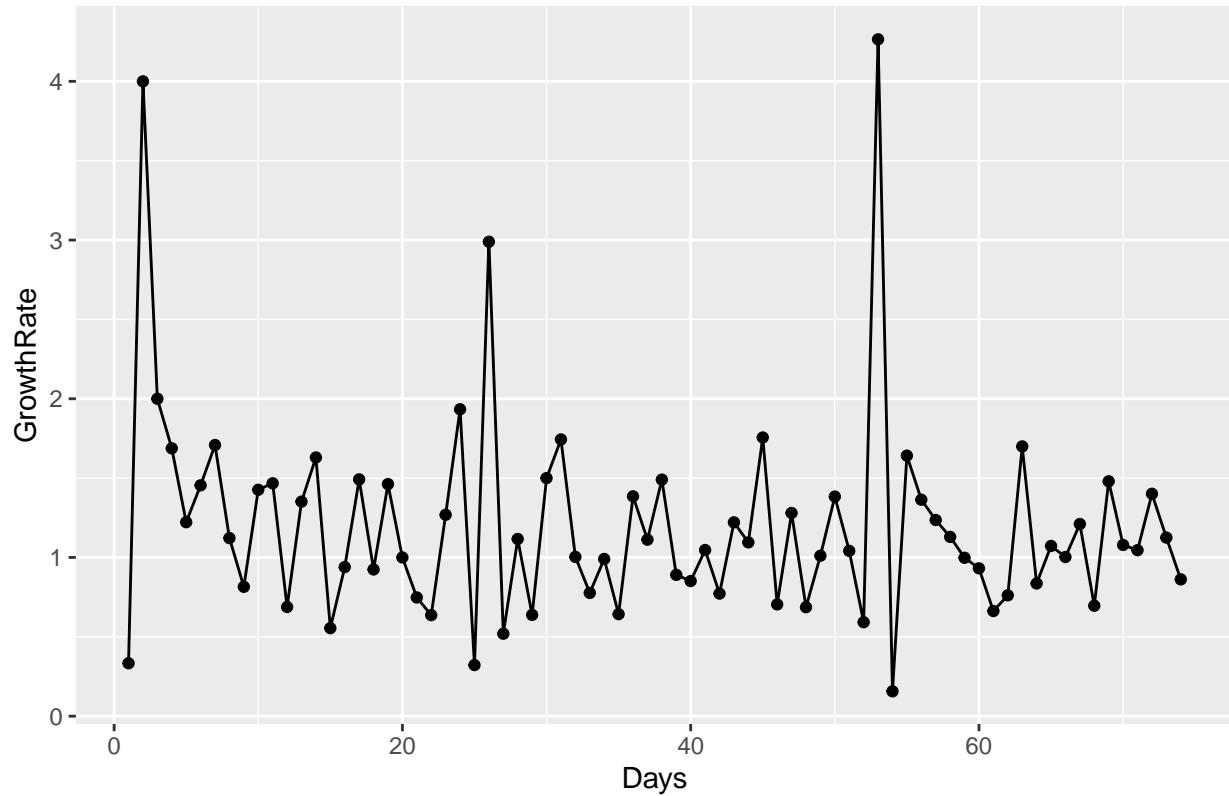
Arizona: Daily Cases



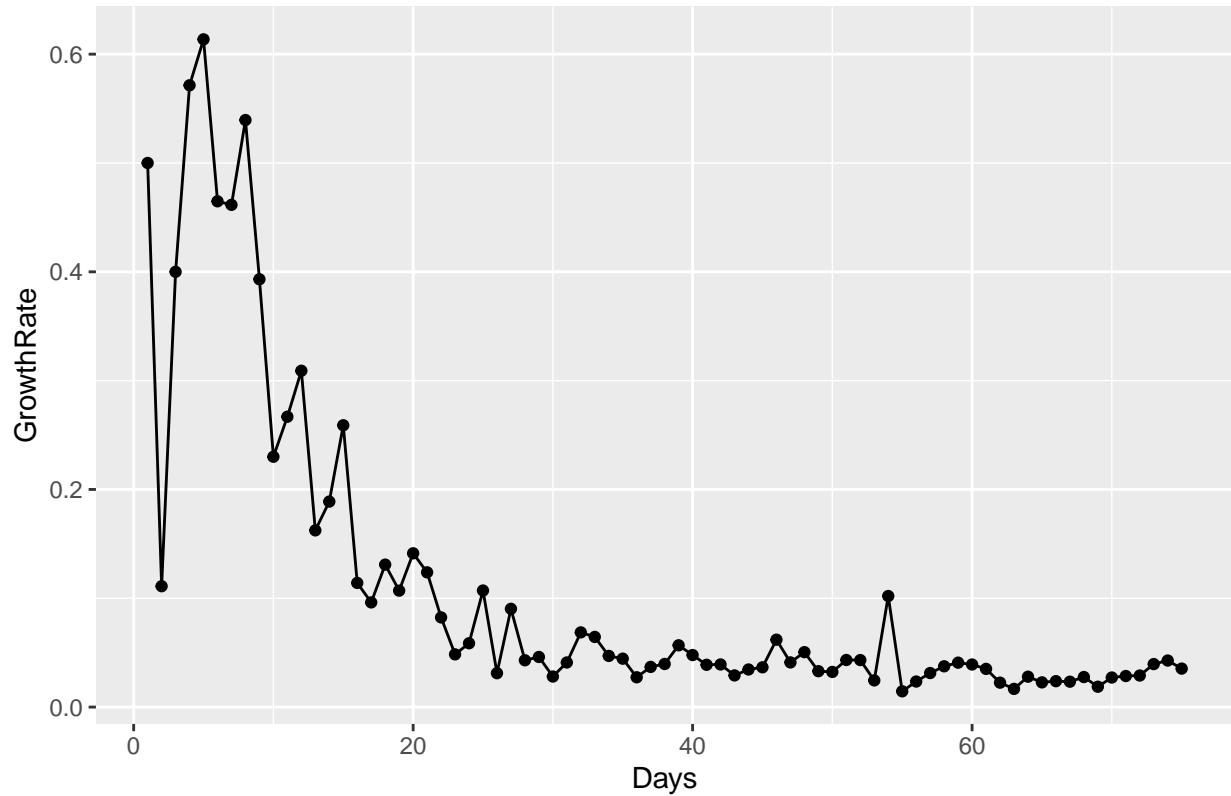
Arizona: Daily Cases



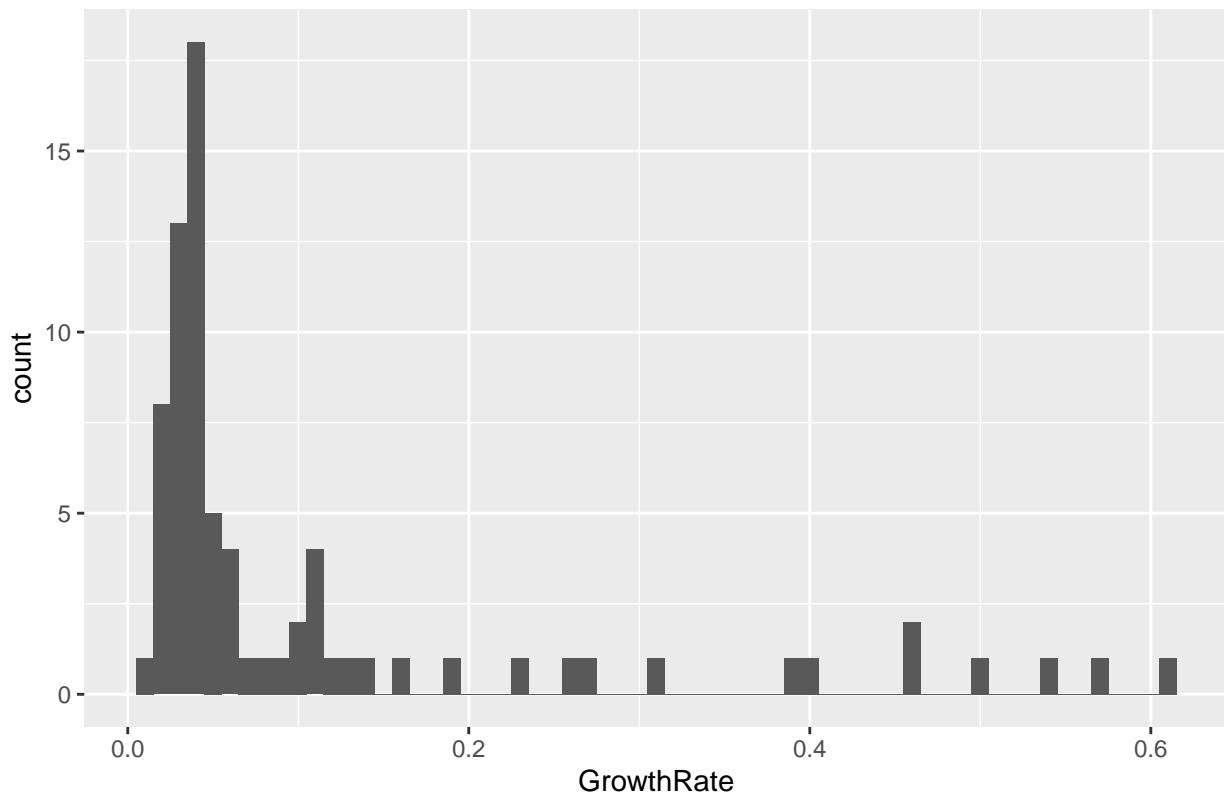
Arizona: Rate of change in Growth Rate



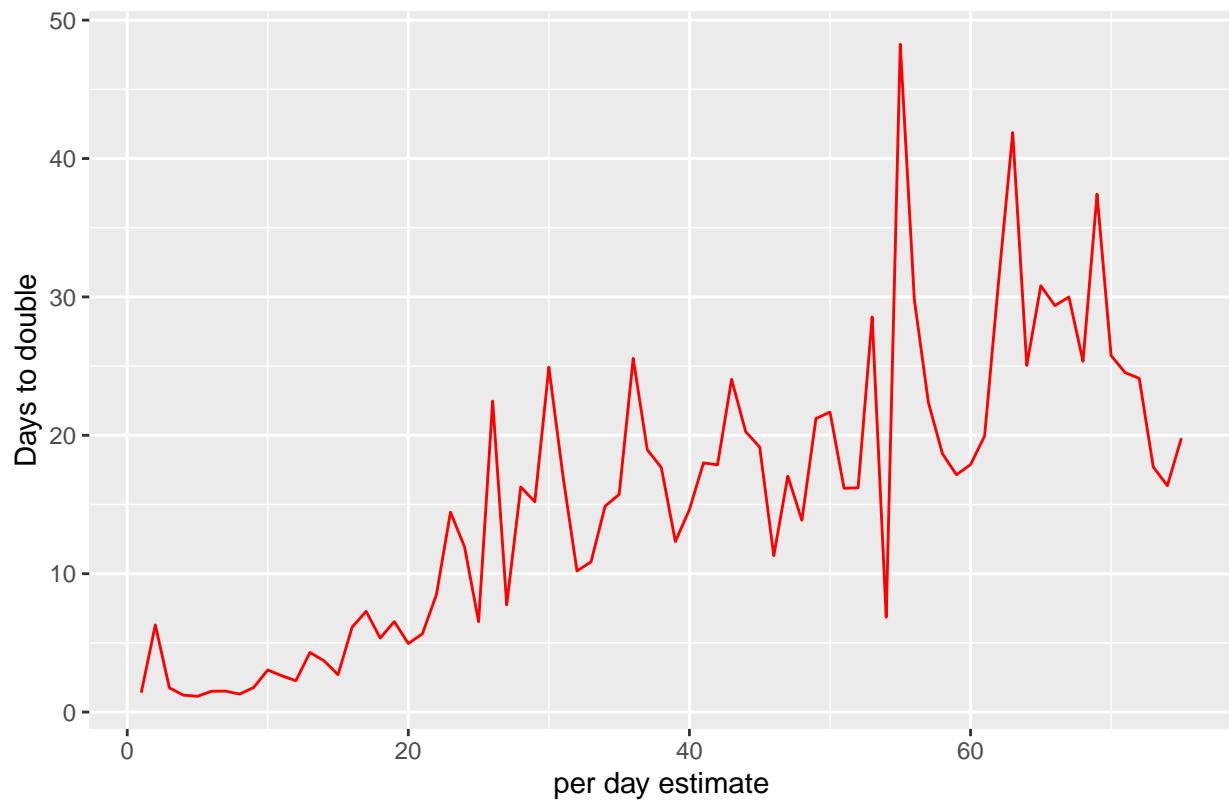
Arizona: Growth Rate



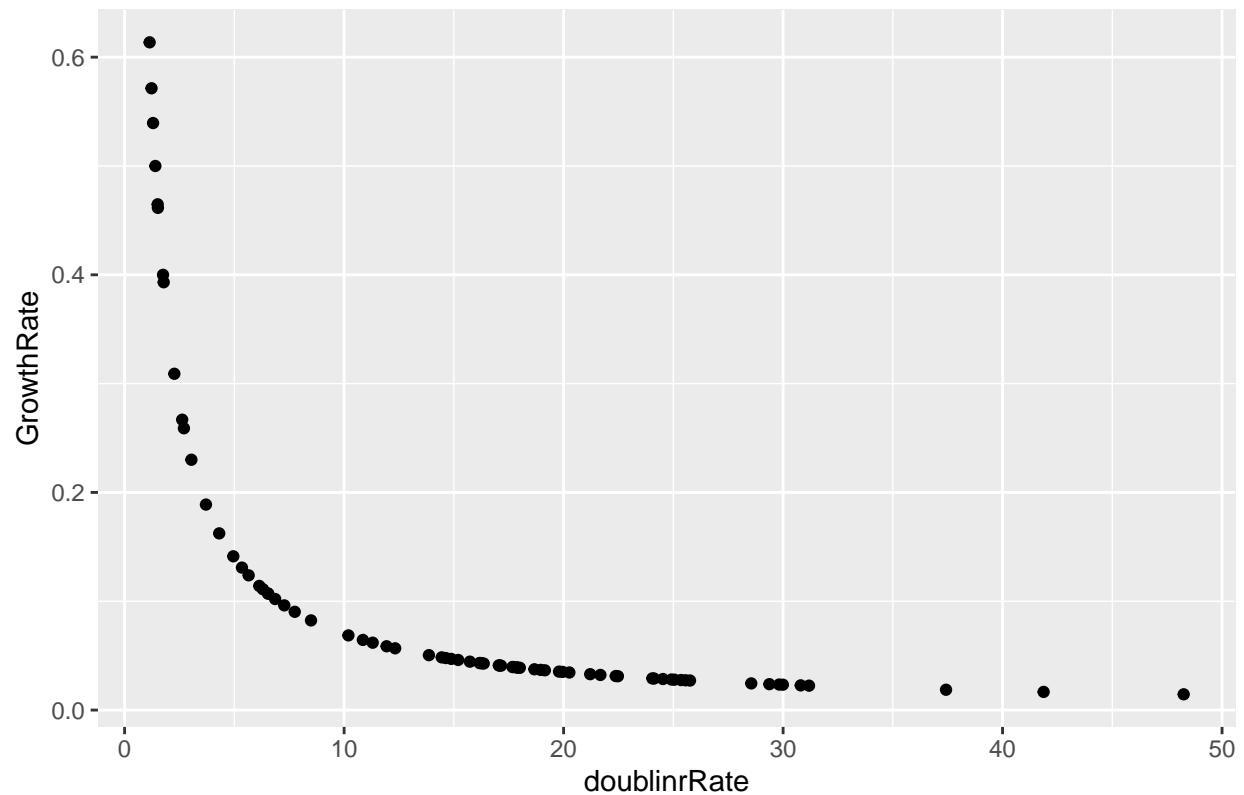
Histogram of GrowthRate



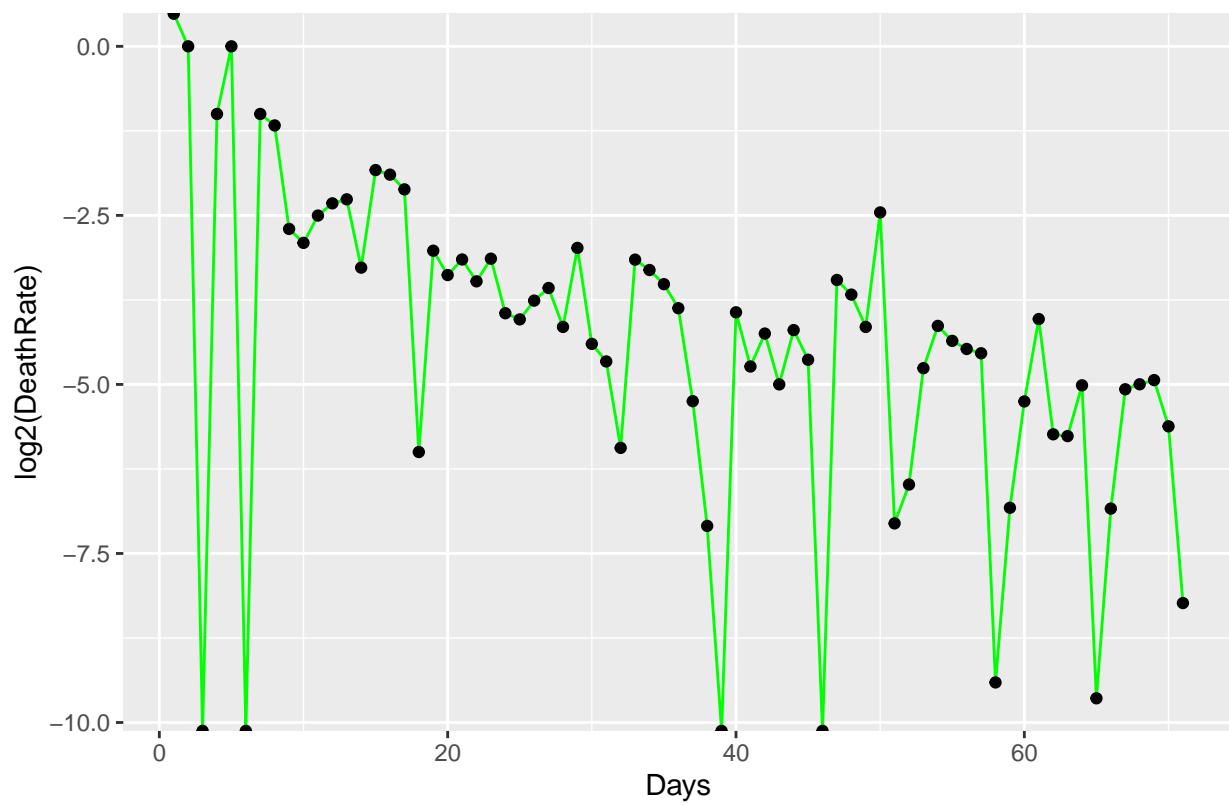
Doubling Rate in days



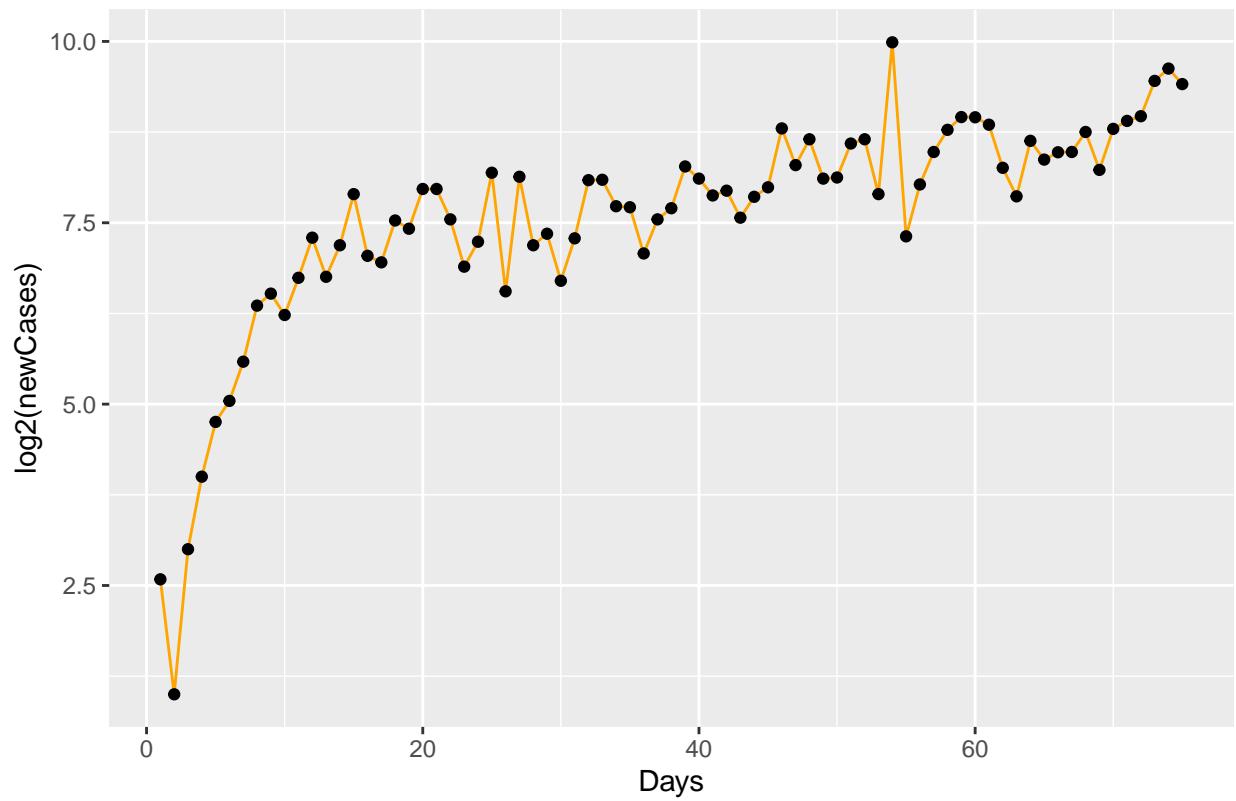
Doubling Rate vs Growth Rate



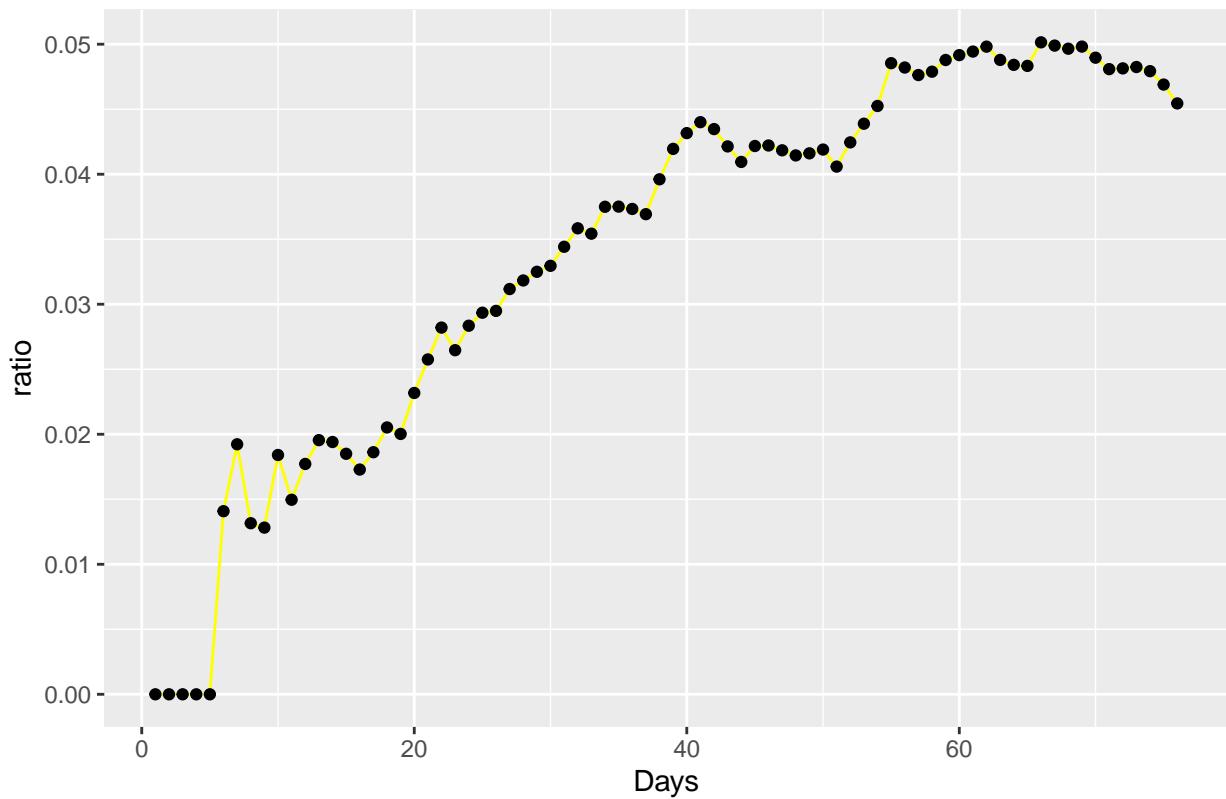
Arizona: Daily Death Rate



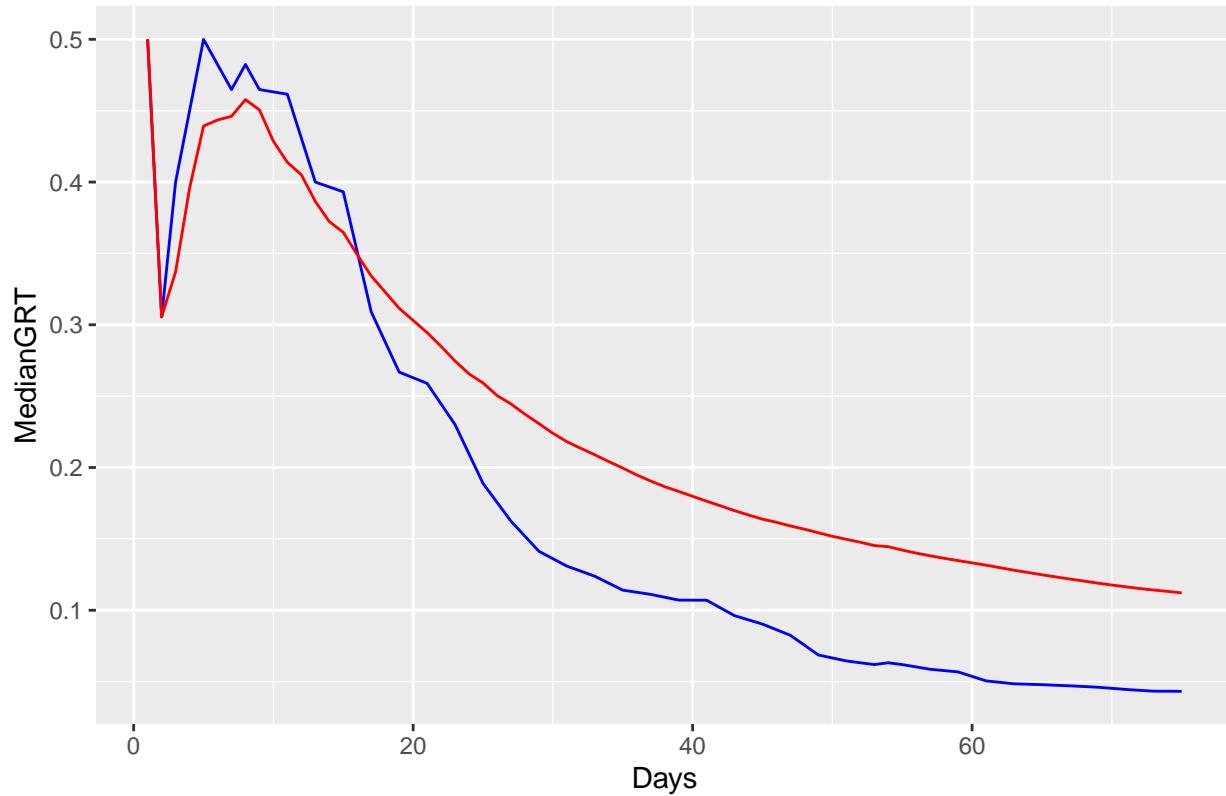
Arizona:newCases(Orange)



Arizona: TotalDeaths/TotalCases



Arizona Median(BLUE)VsMean(RED) Growth Rate

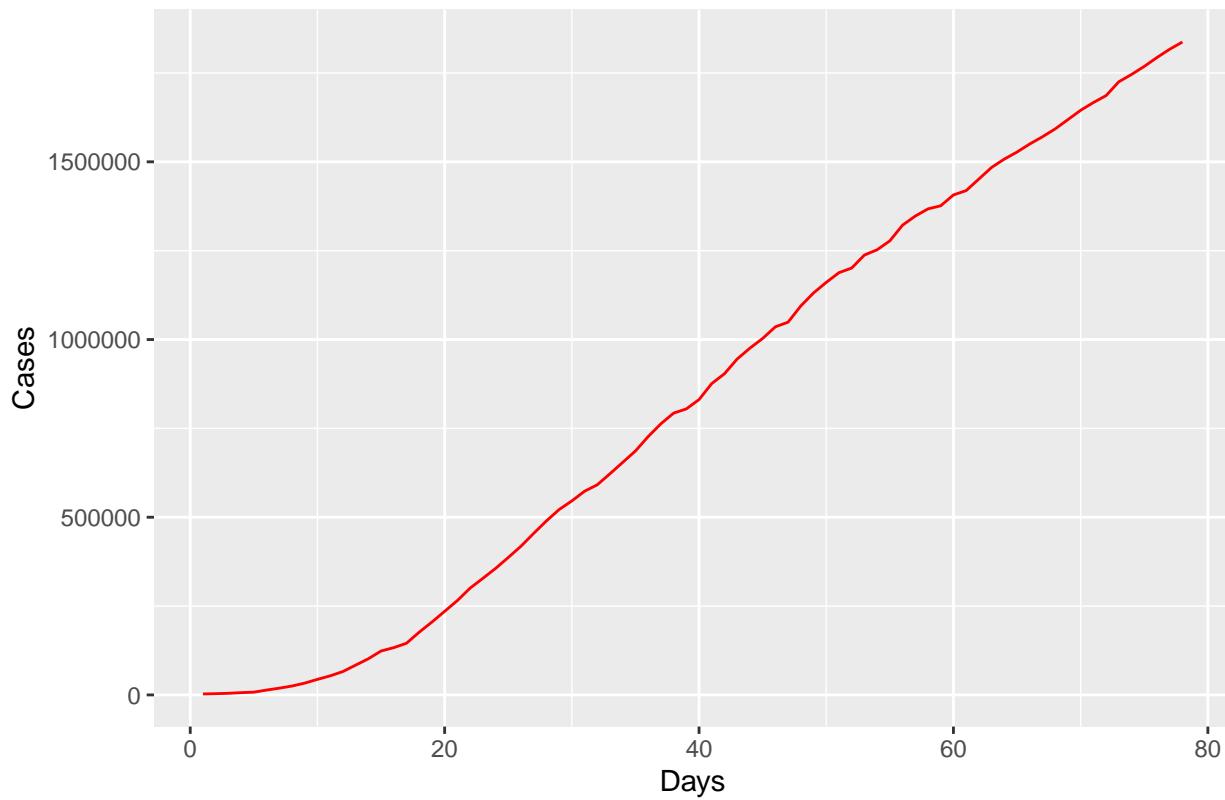


Results:

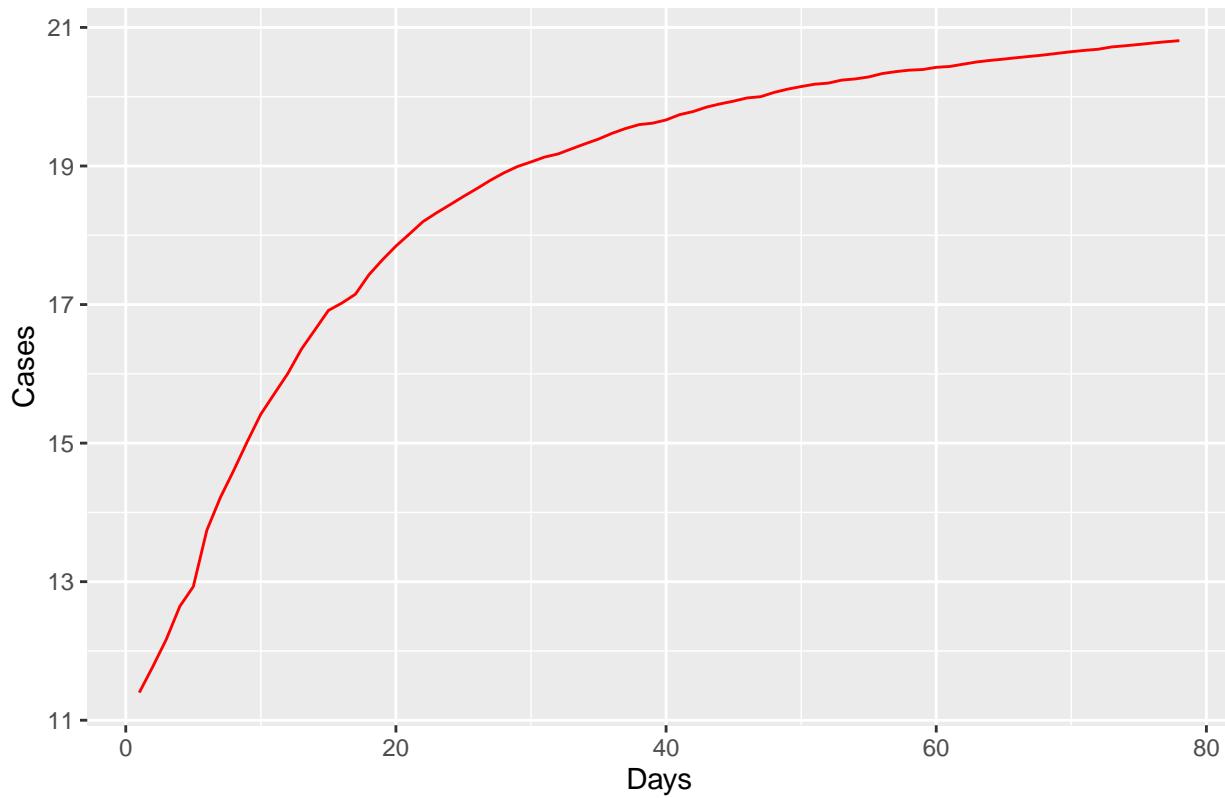
- Tomorrows predicted case number is between 2.0641085×10^4 and 2.2171968×10^4 cases.
- Current doubling rate is **20 days**
- Mean doubling rate, i.e number of cases doubles every **6 days**.
- Median doubling rate, i.e number of cases doubles every **16 days**.
- Latest Observed Growth Rate **3.5367437** percent.
- Mean Growth Rate: **11.2157279** percent.
- Median Growth Rate: **4.3202579** percent.
- Standard deviation: +/- **14.7214878**.

US Corona Dashboard

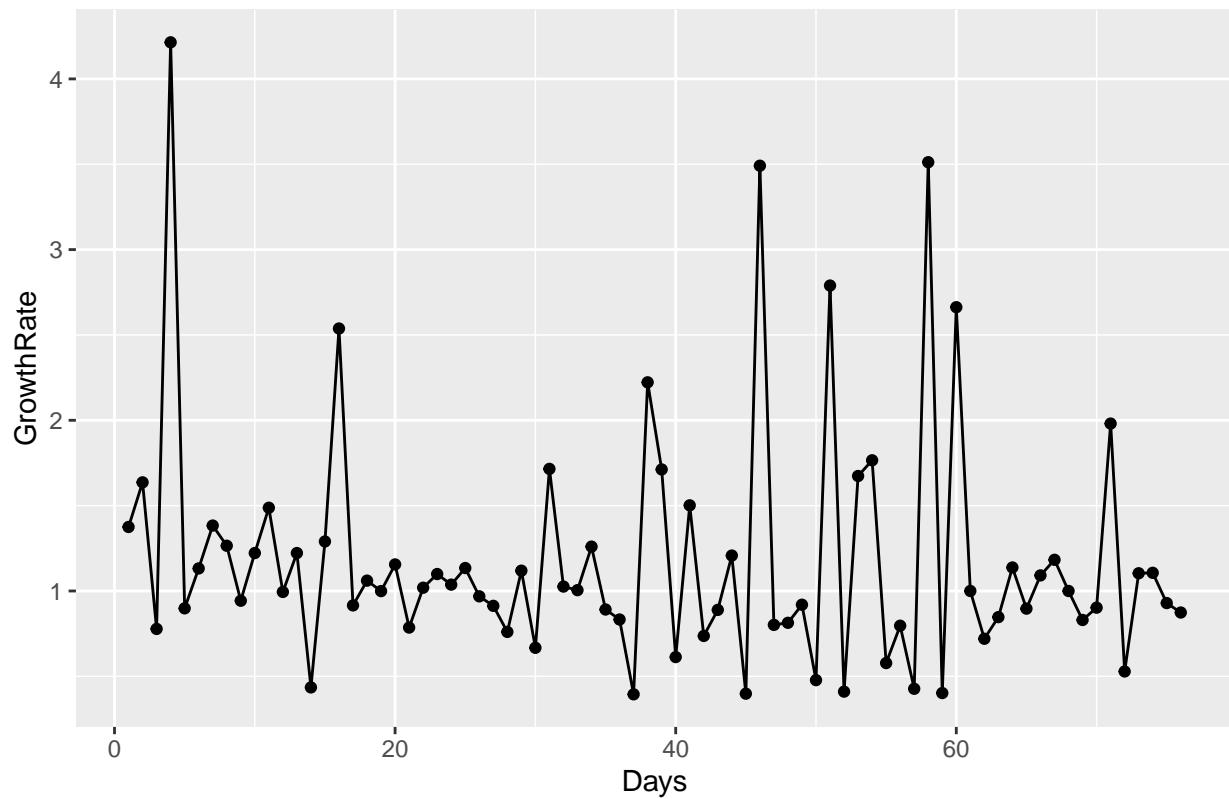
US: Daily Cases



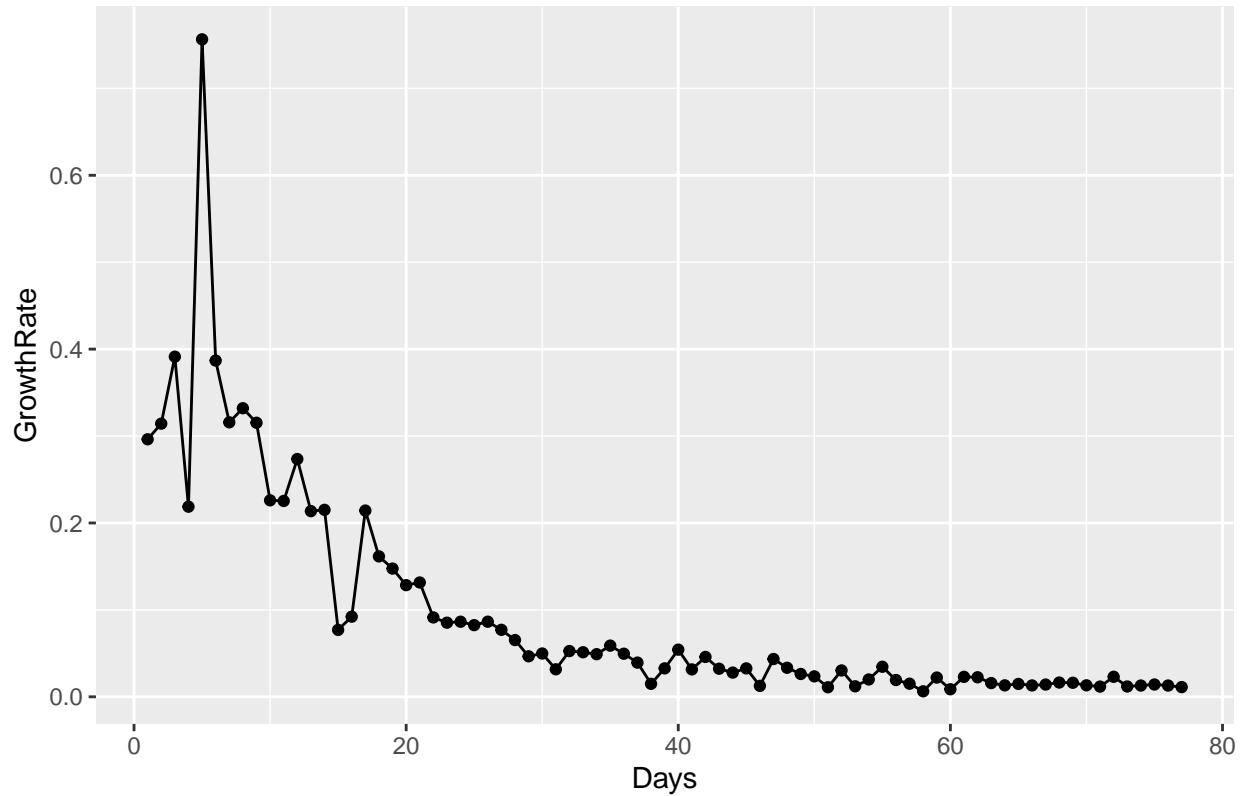
US: Daily Cases



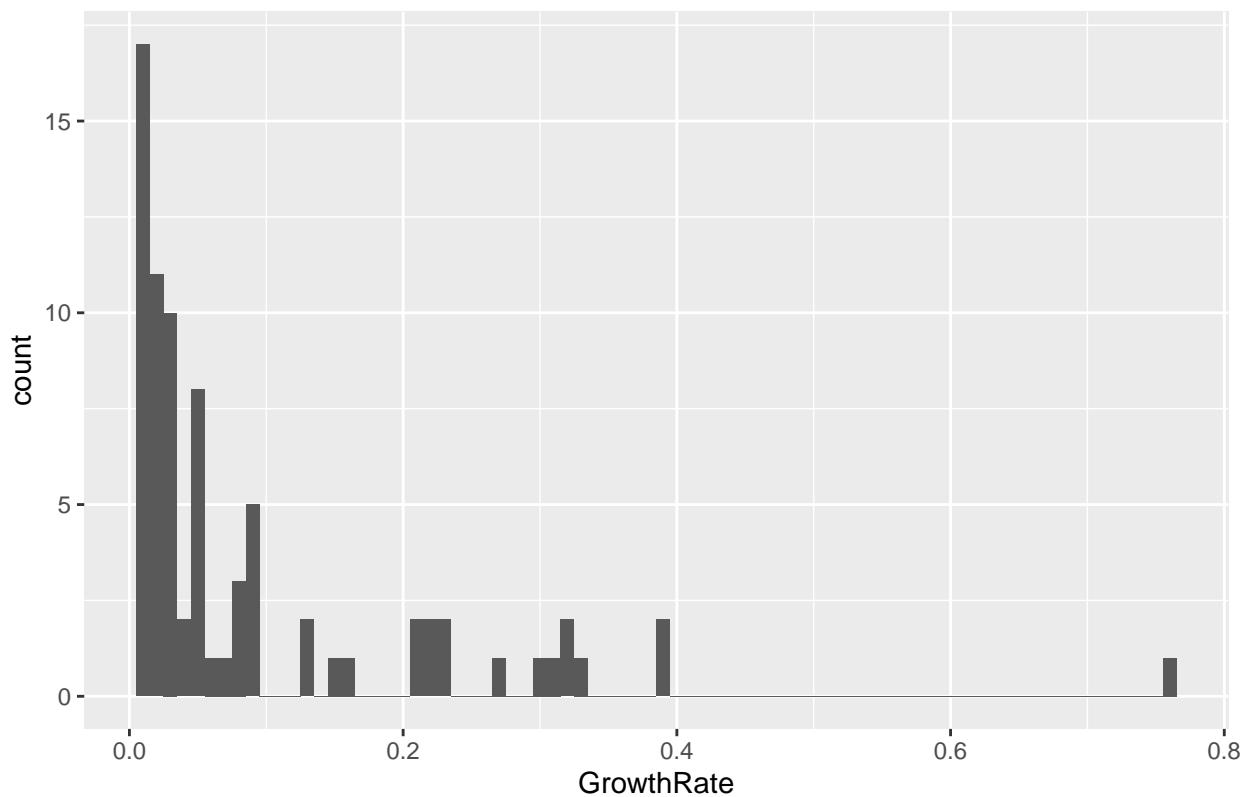
US: Rate of change in Growth Rate



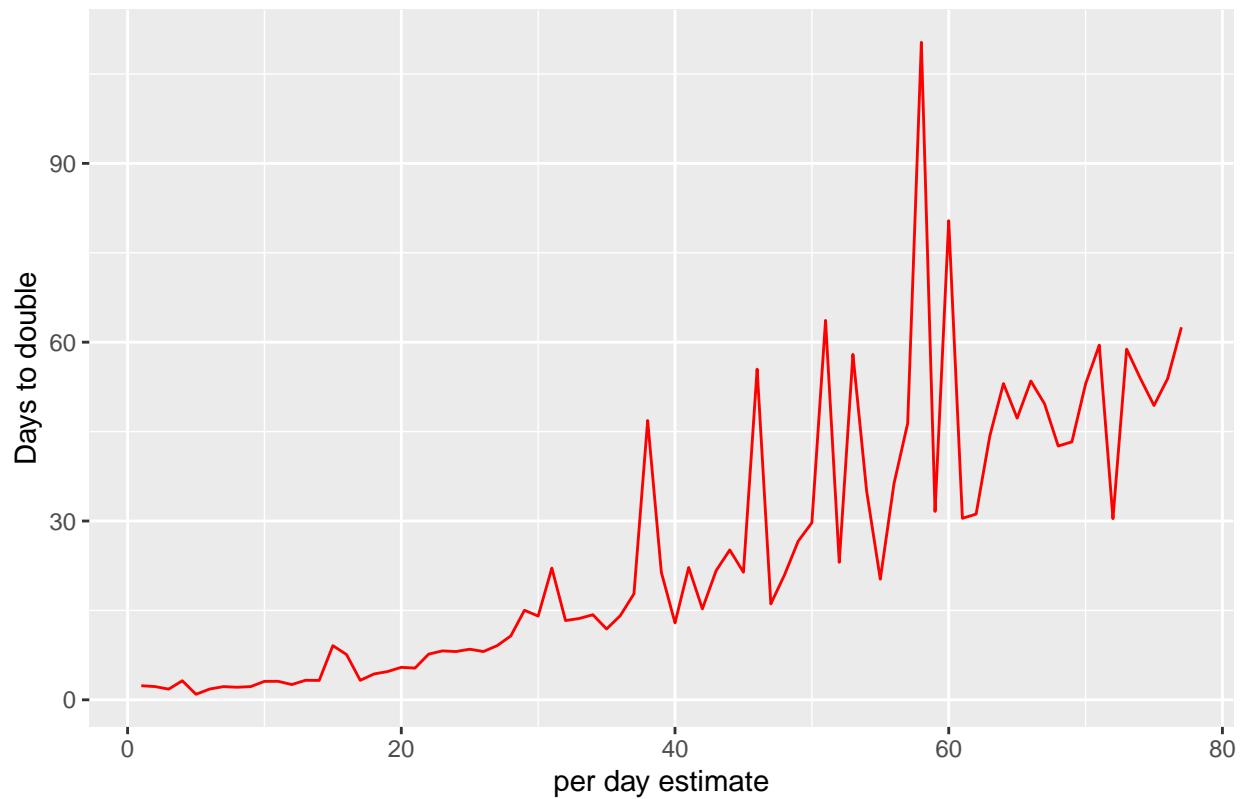
US: Growth Rate



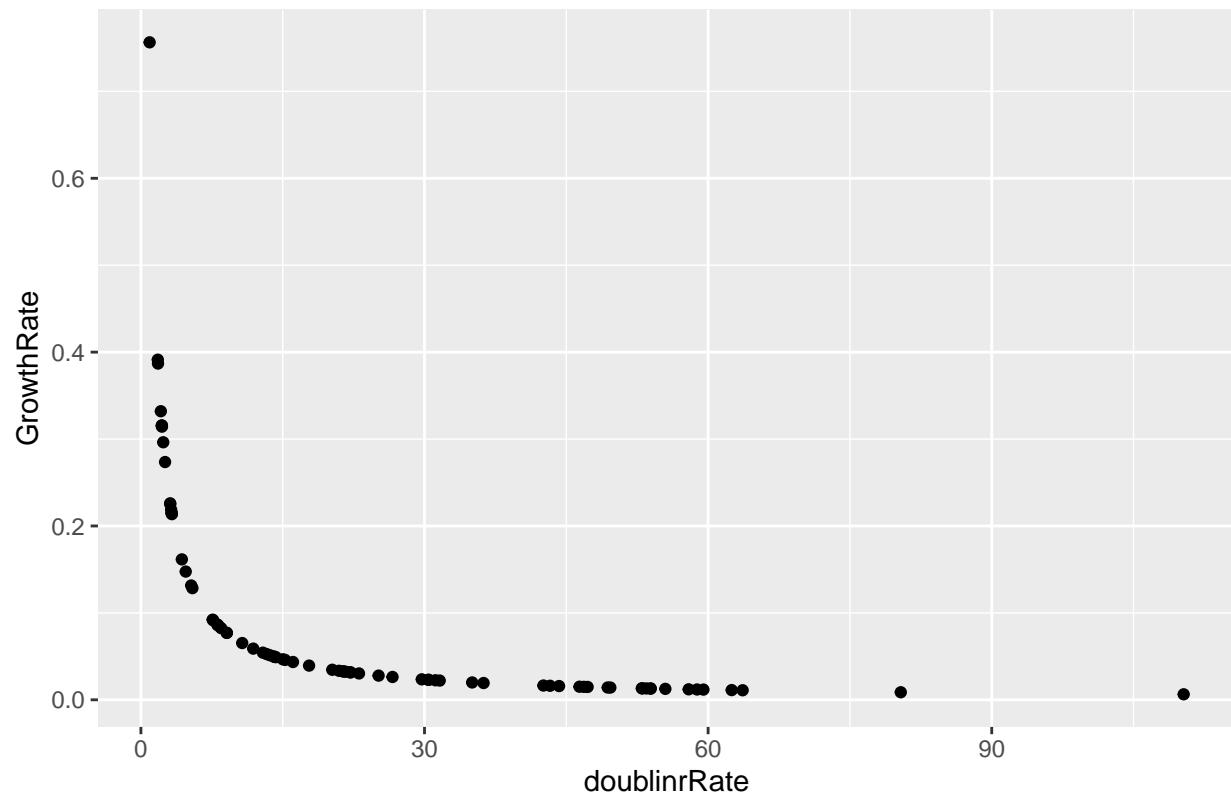
Histogram of GrowthRate



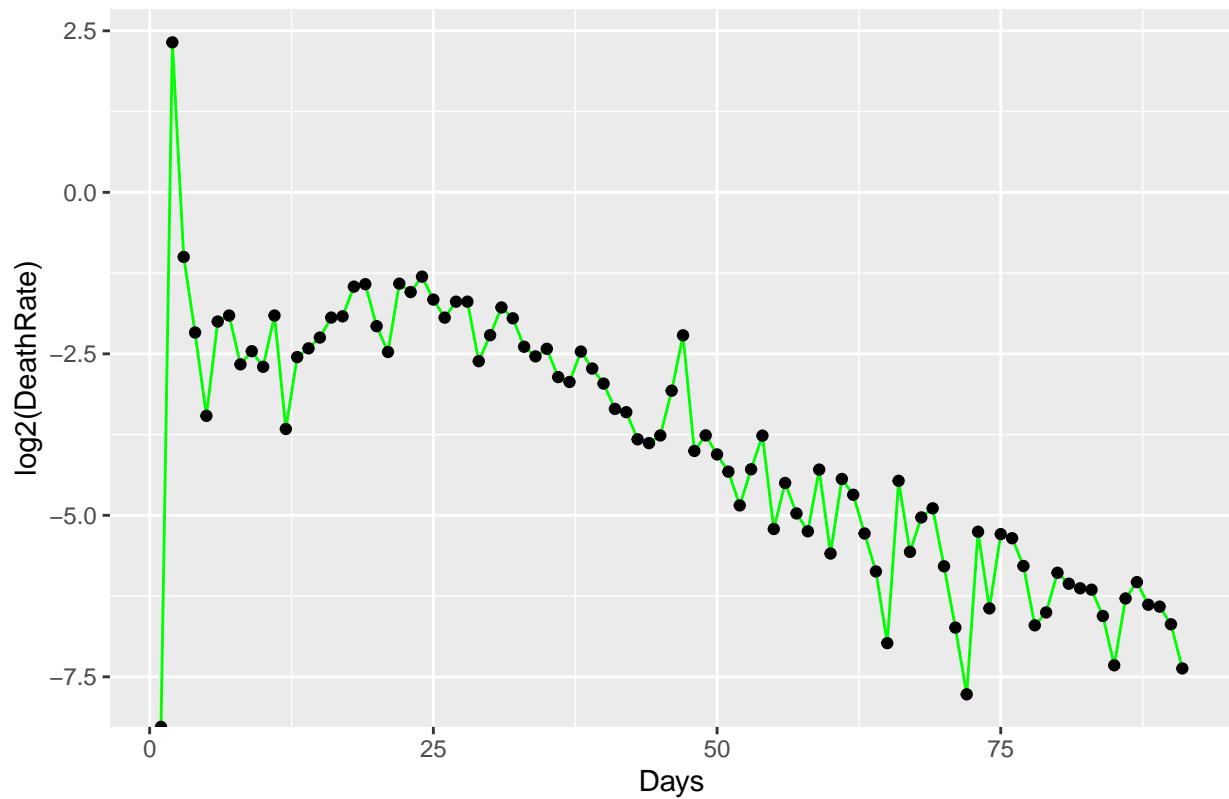
Doubling Rate in days



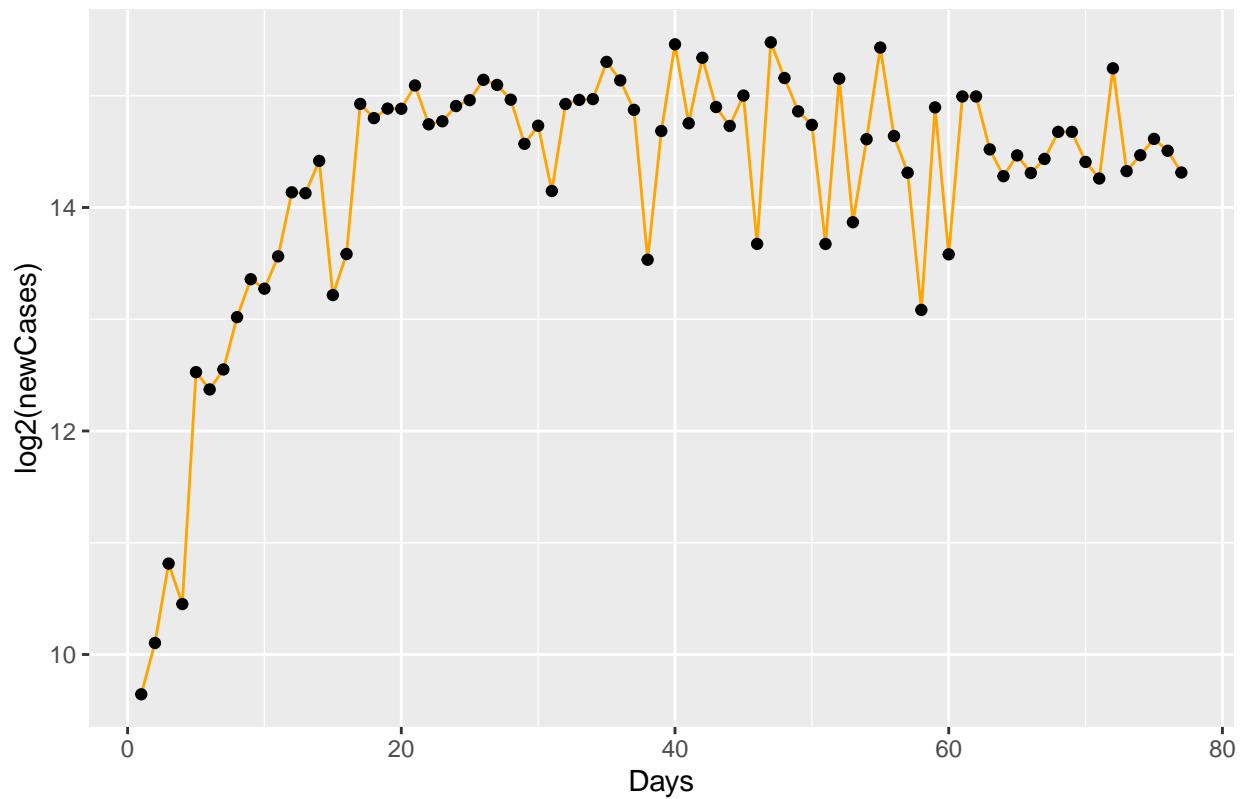
Doubling Rate vs Growth Rate



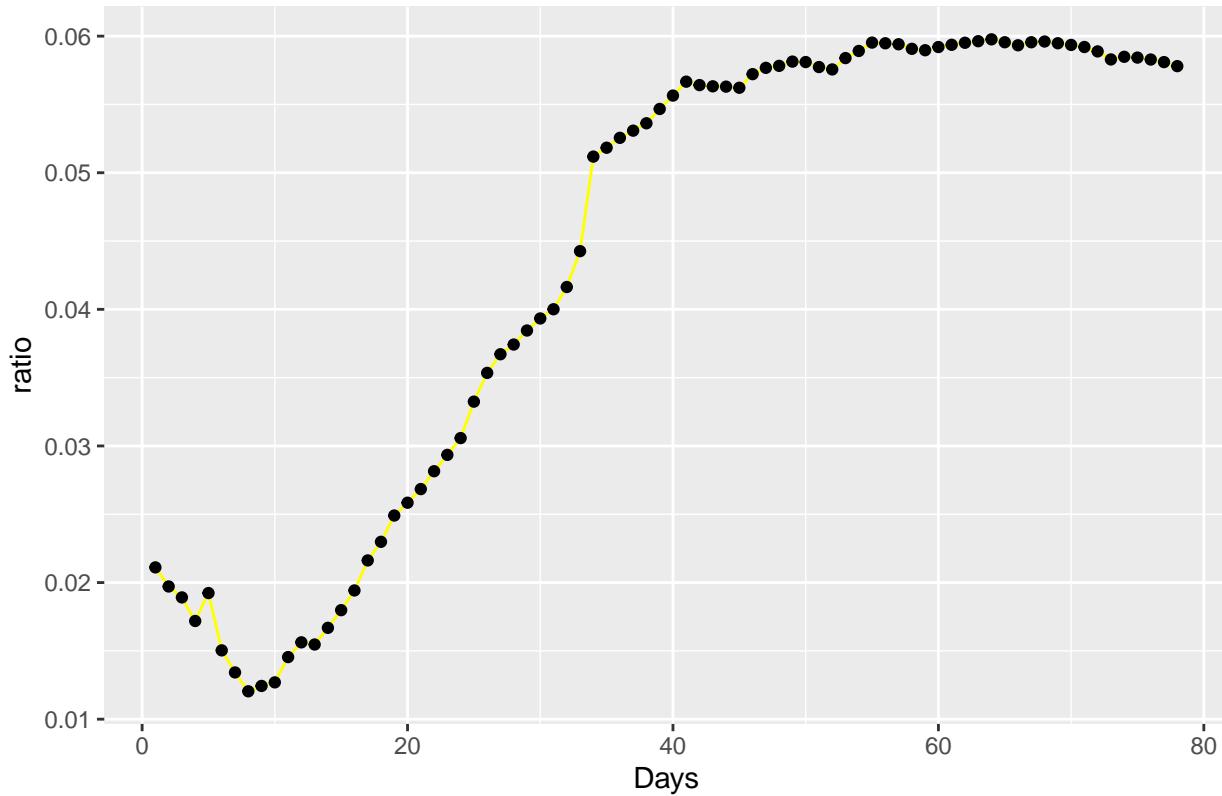
US: Daily Death Rate



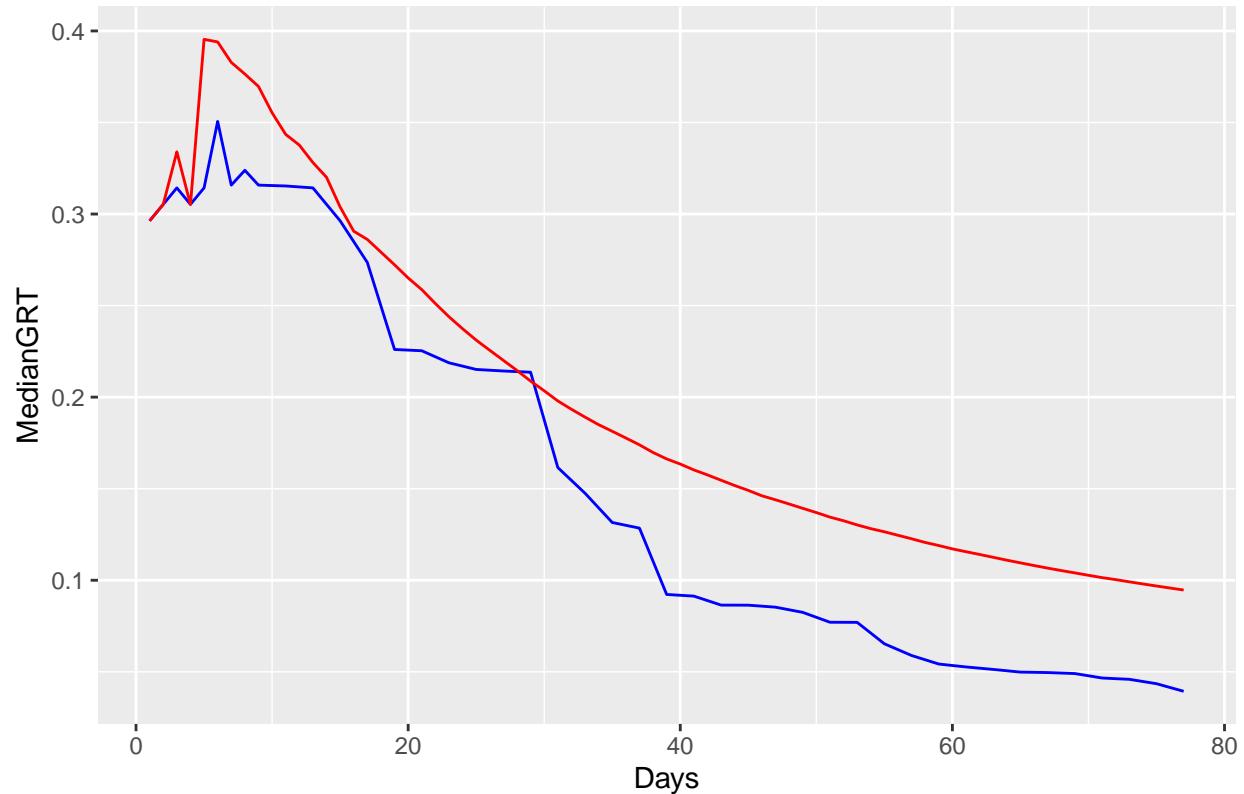
US:newCases(Orange)



US: TotalDeaths/TotalCases



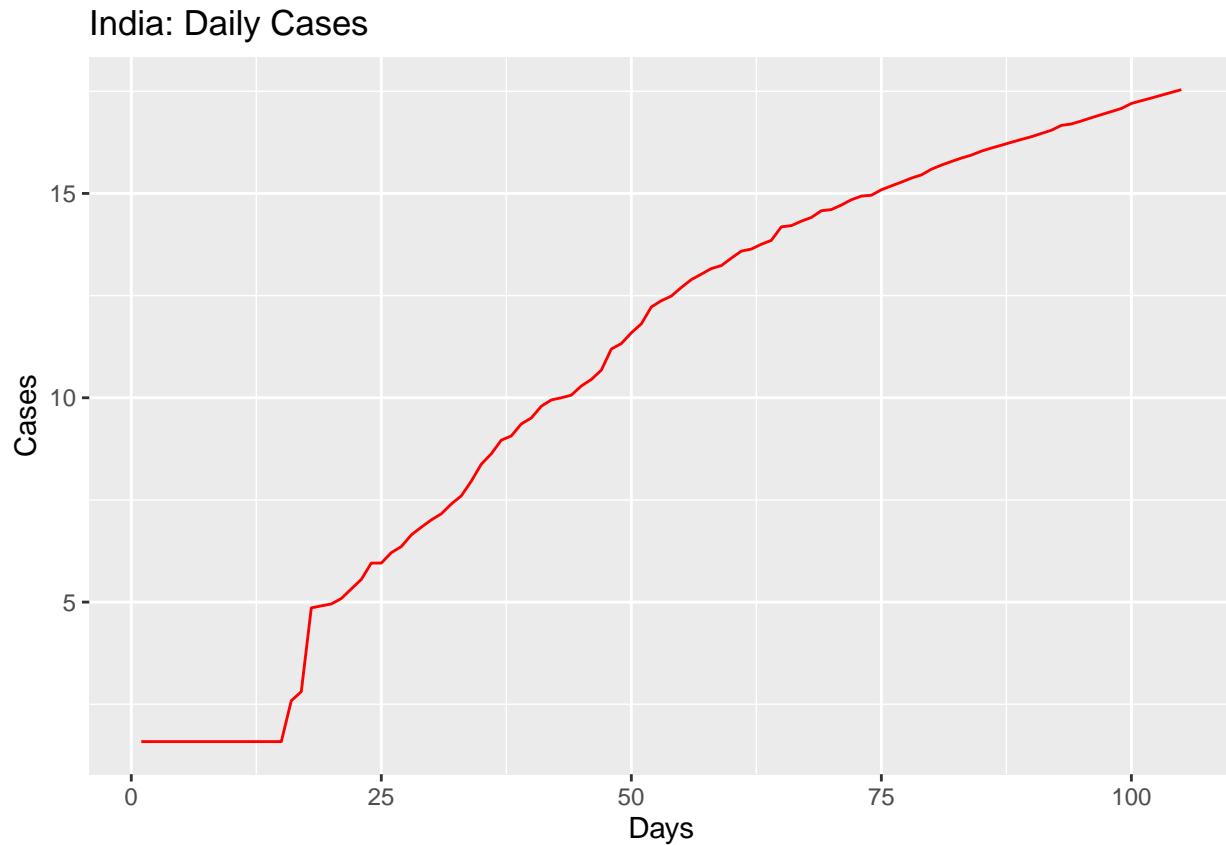
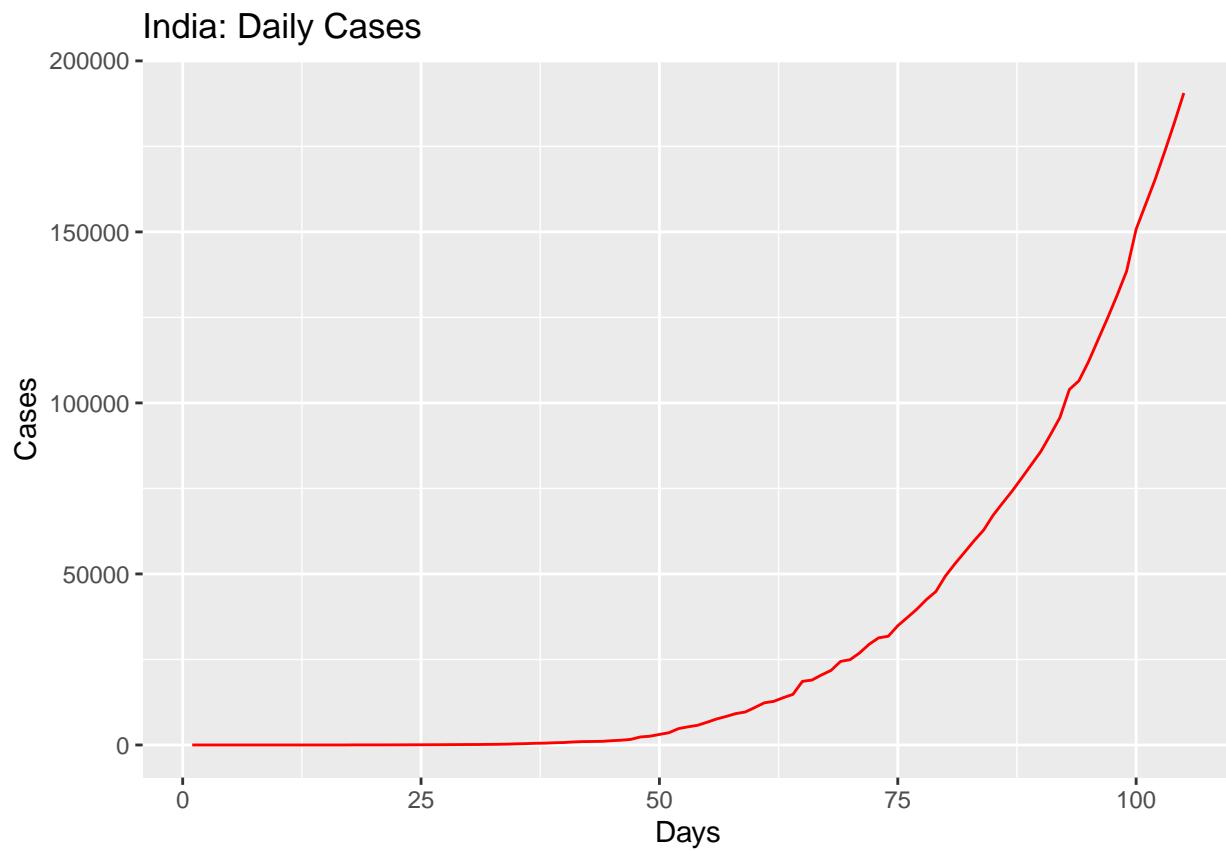
US Median(BLUE)VsMean(RED) Growth Rate



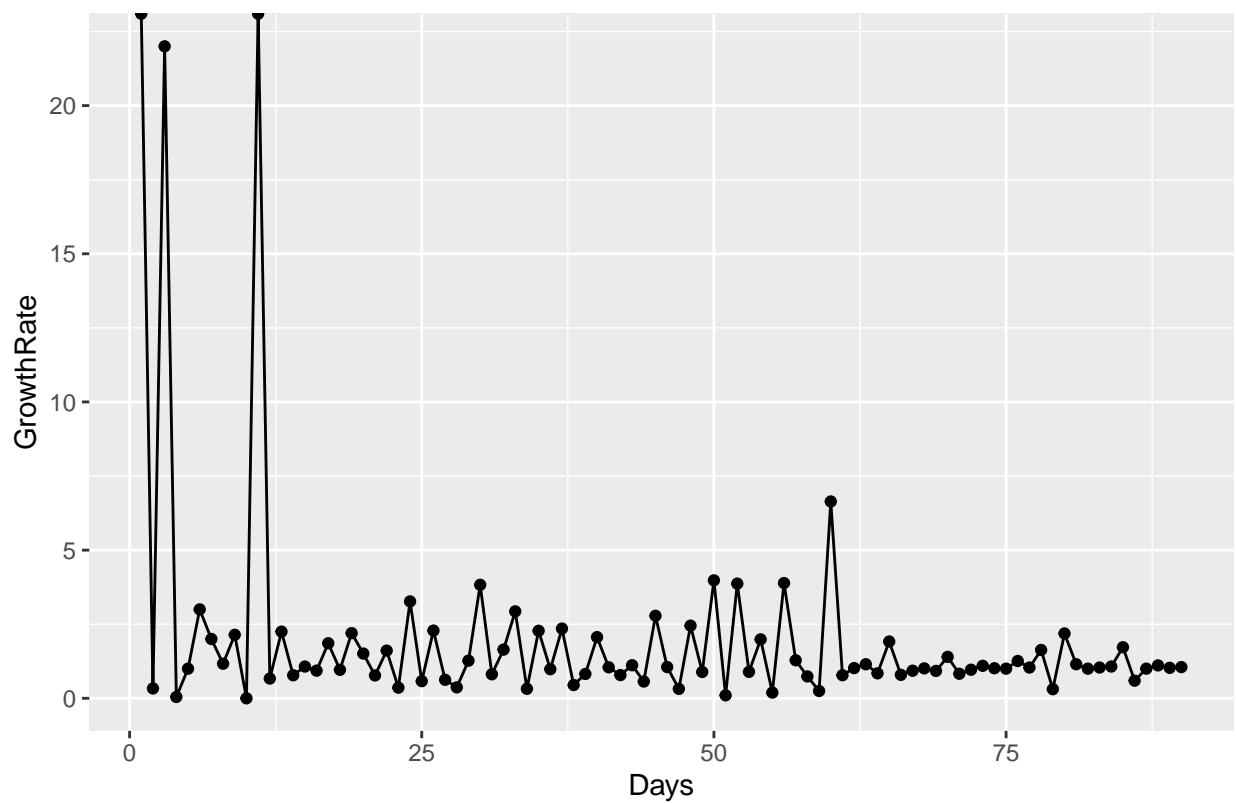
Results:

- Tomorrows predicted case number is between 1.8577479×10^6 and 2.0110533×10^6 cases.
- Current doubling rate is **62 days**
- Mean doubling rate, i.e number of cases doubles every **7 days**.
- Median doubling rate, i.e number of cases doubles every **18 days**.
- Latest Observed Growth Rate **1.1200889** percent.
- Mean Growth Rate: **9.4647341** percent.
- Median Growth Rate: **3.9346123** percent.
- Standard deviation: +/- **12.726426**.

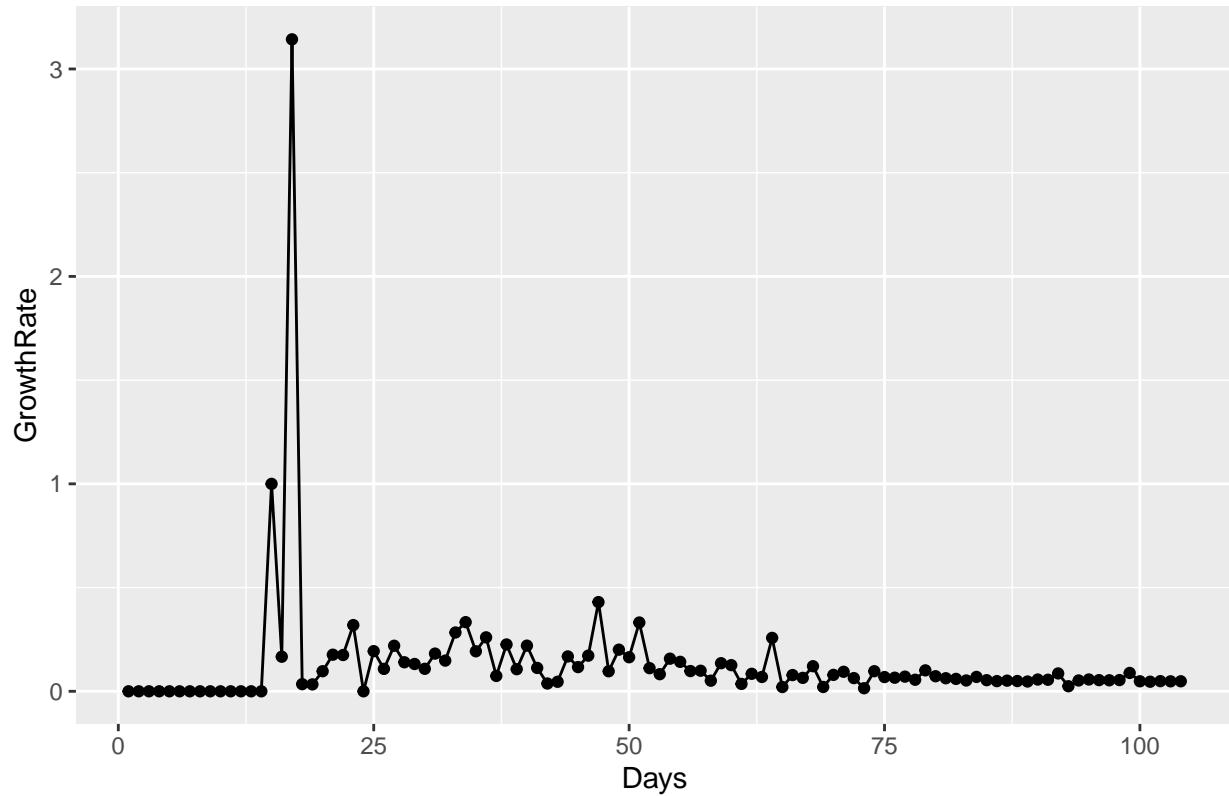
India Corona Dashboard



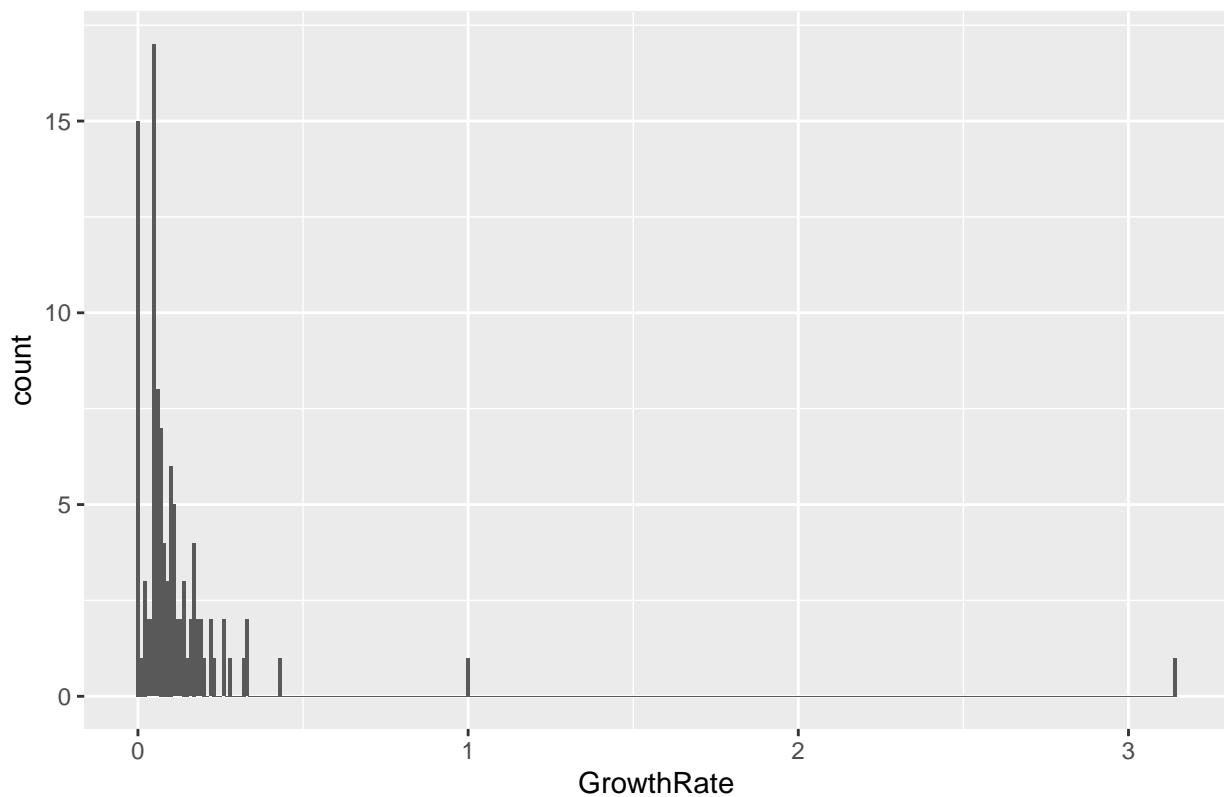
US: Rate of change in Growth Rate



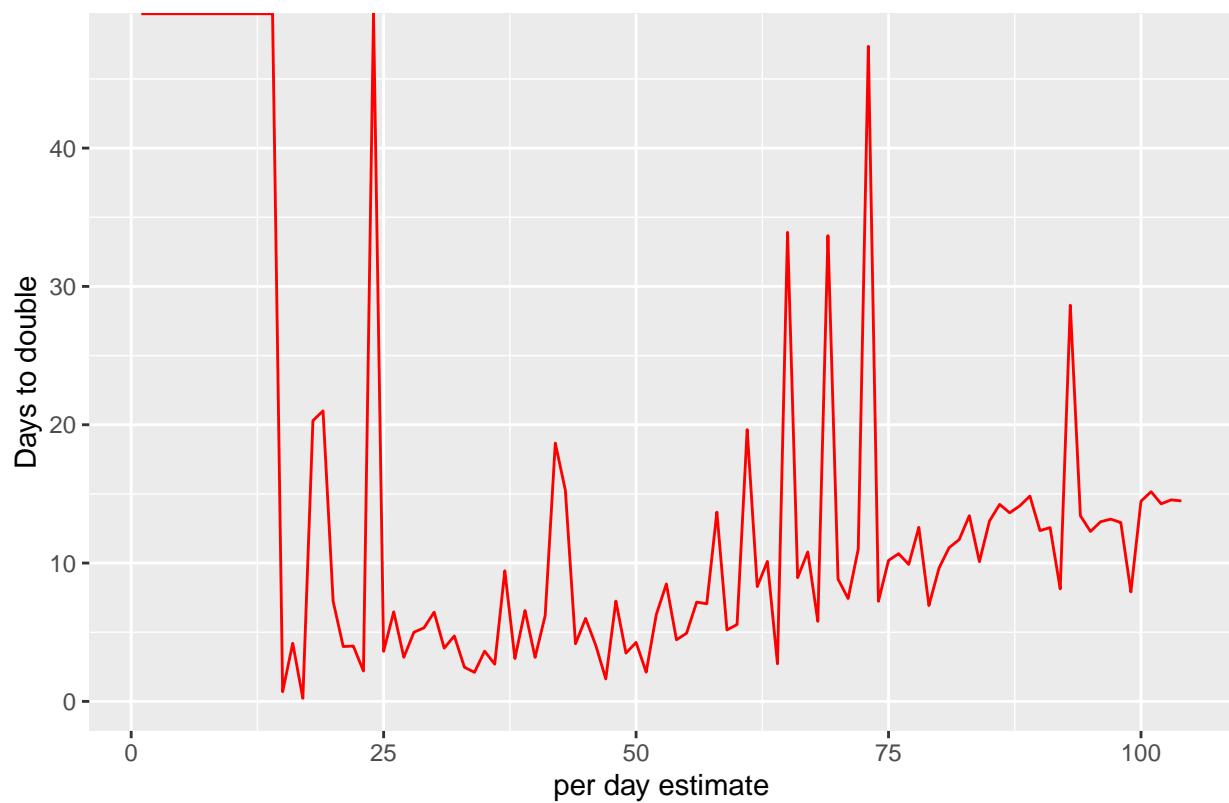
India: Growth Rate



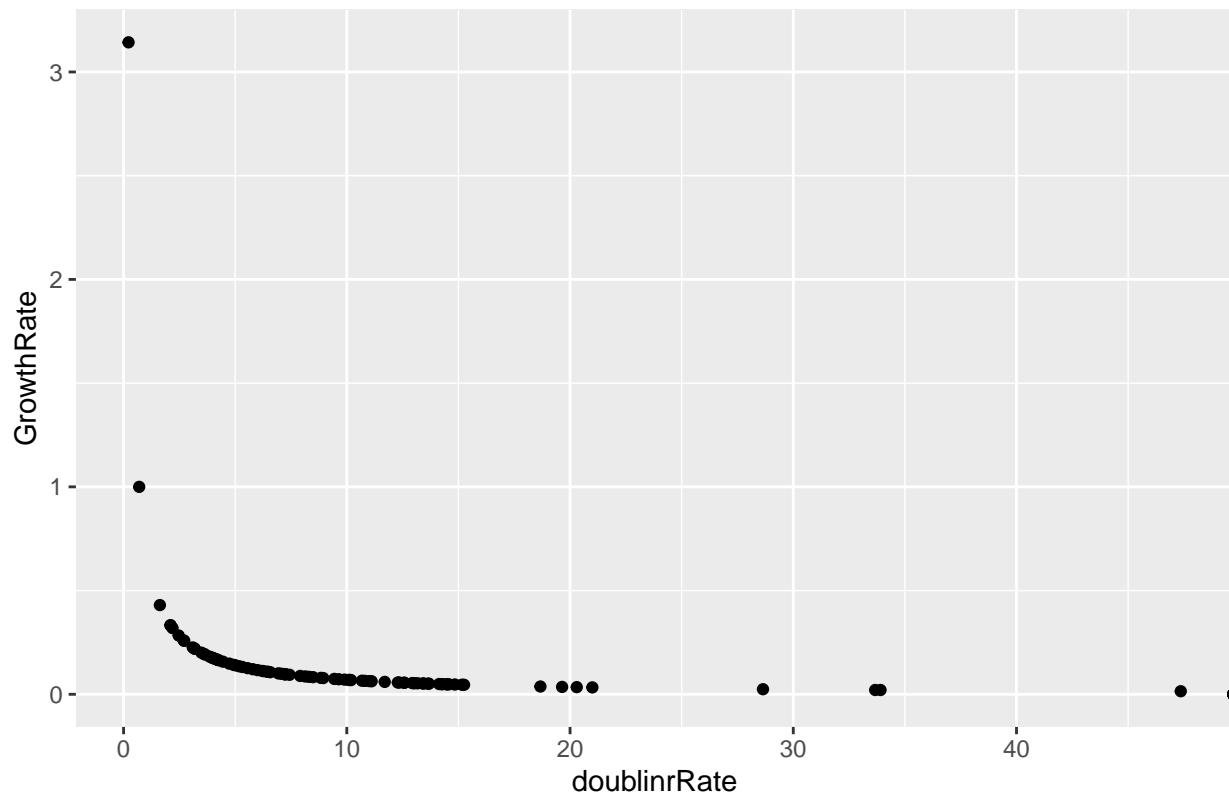
Histogram of GrowthRate



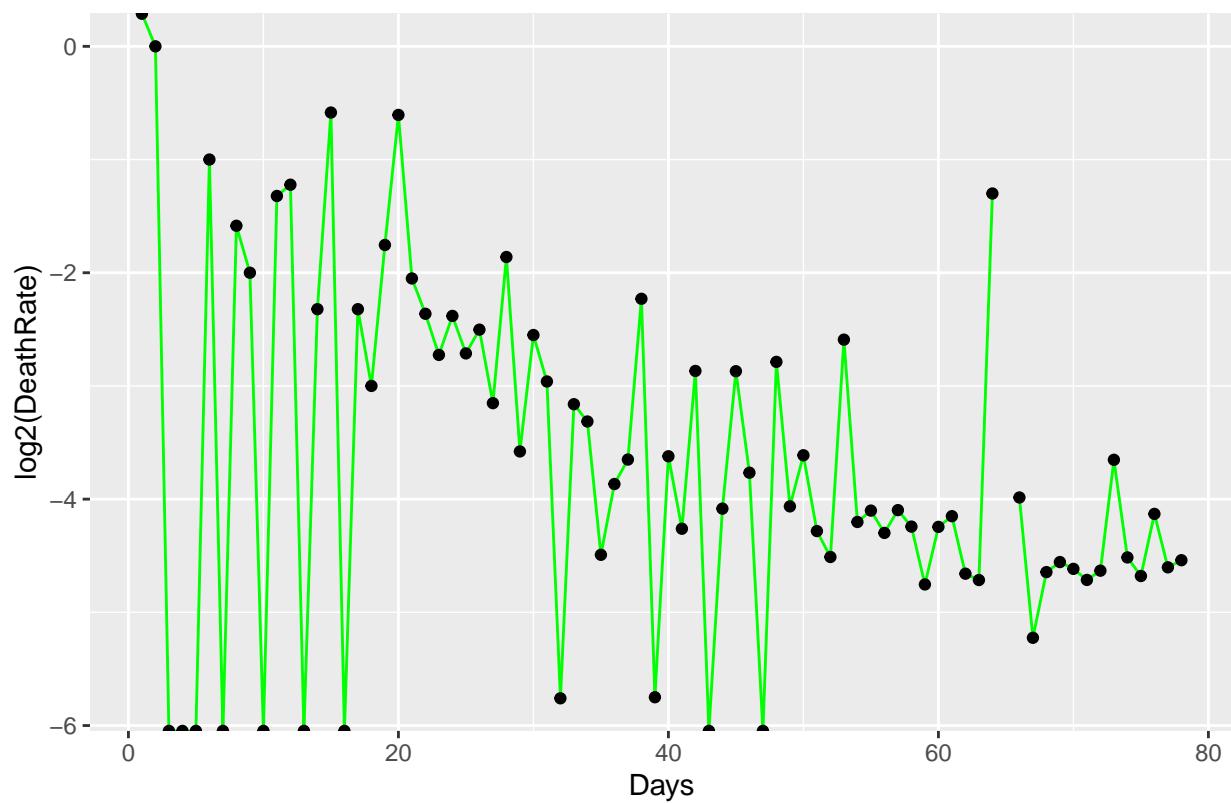
Doubling Rate in days



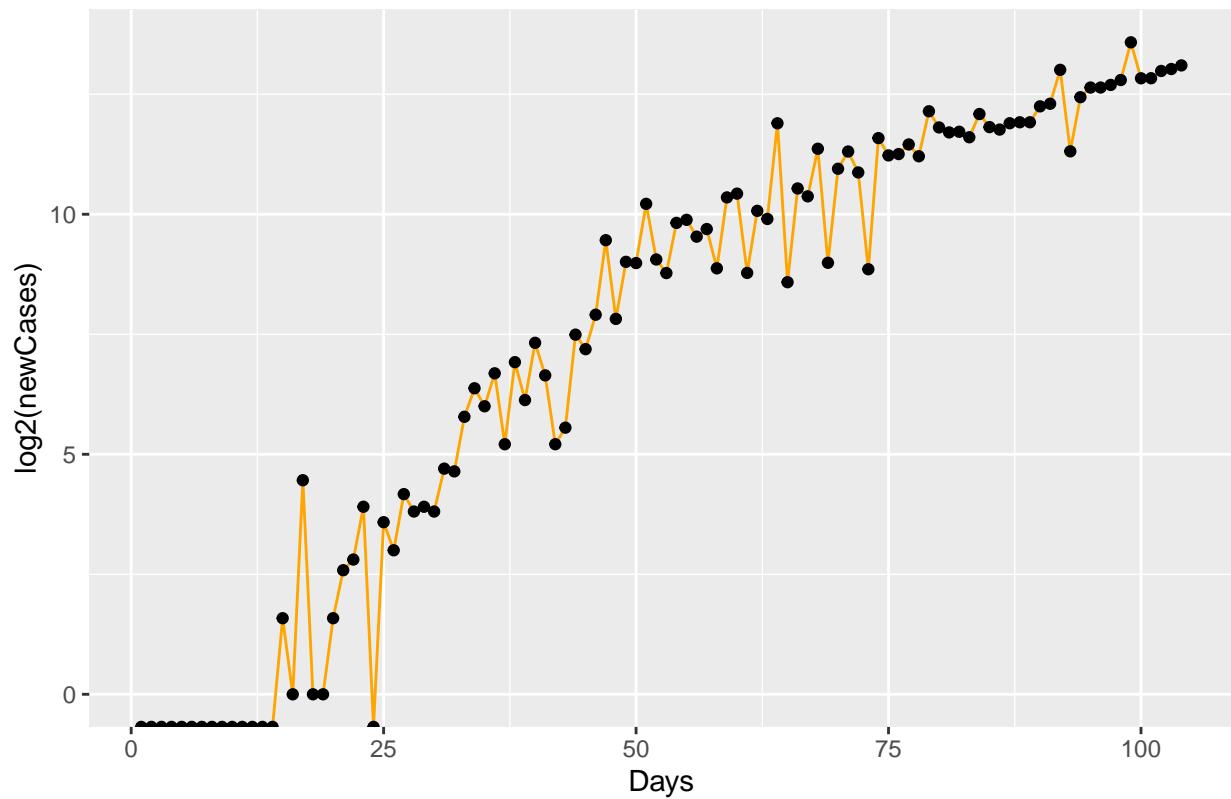
Doubling Rate vs Growth Rate



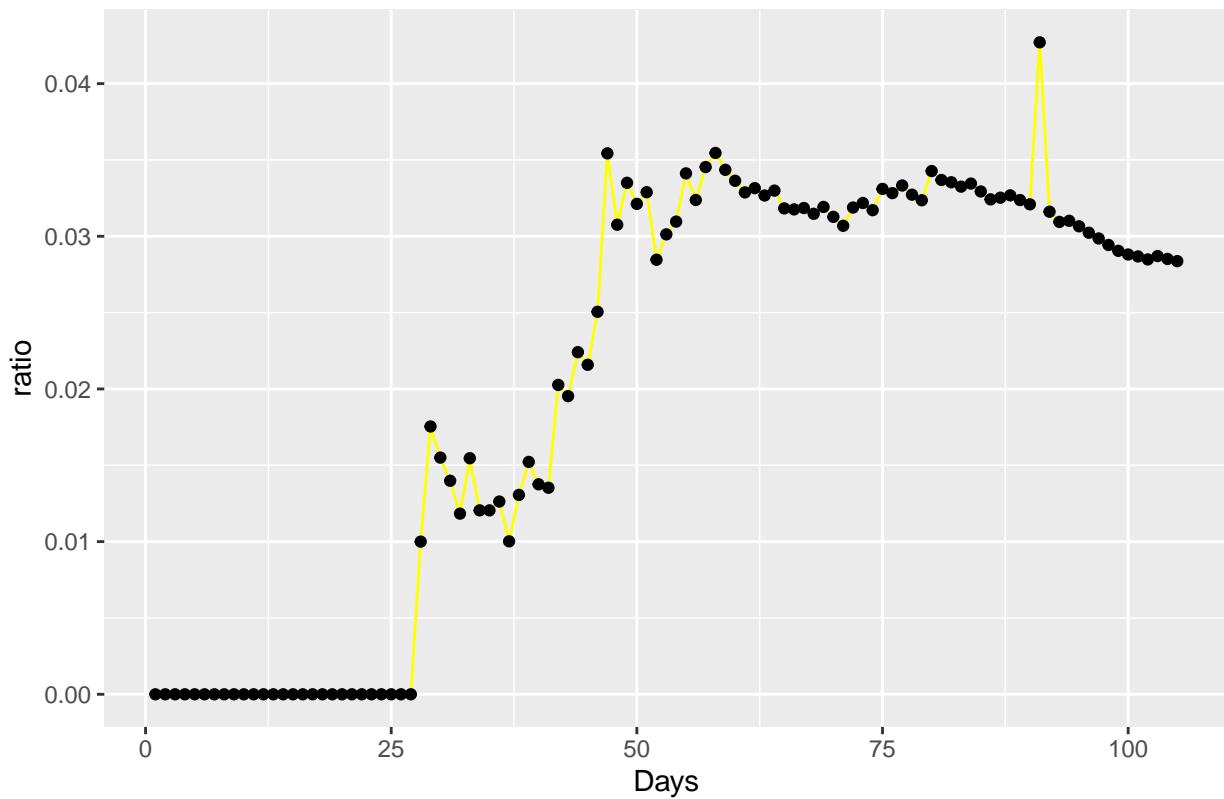
India: Daily Death Rate



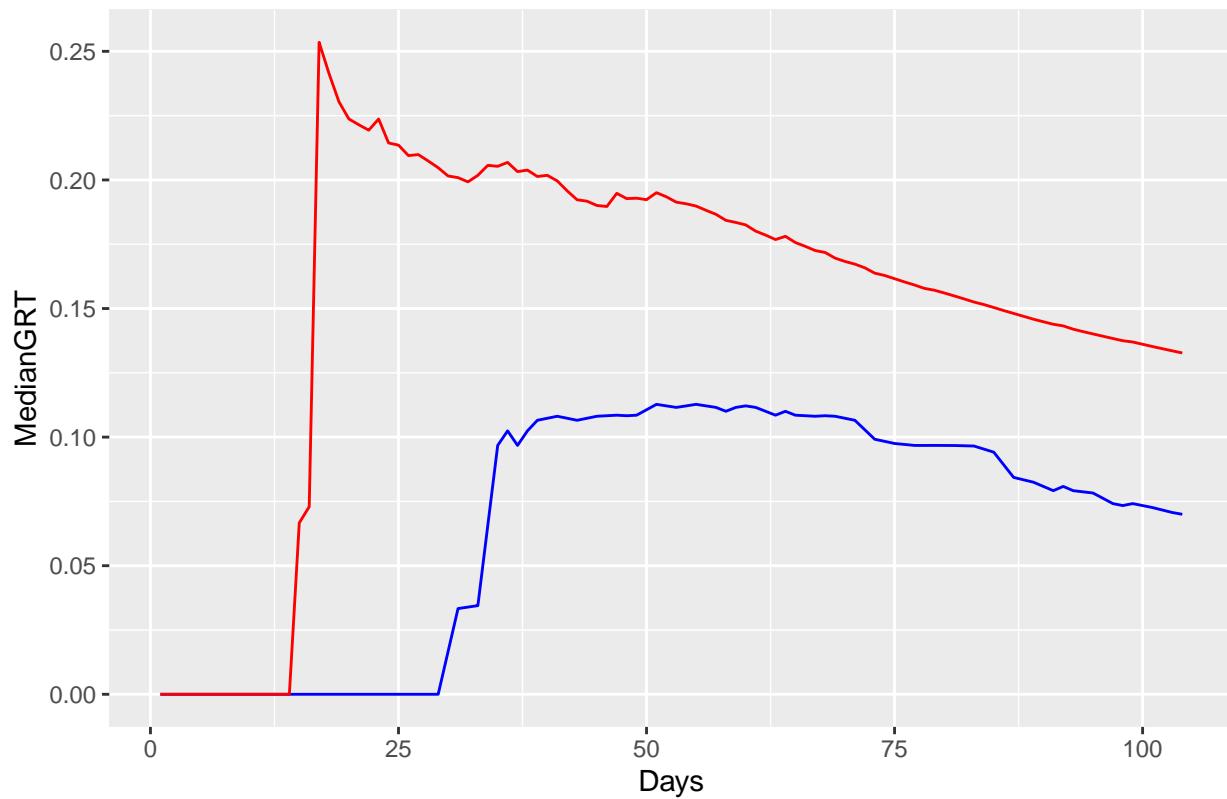
India:newCases(Orange)



India: TotalDeaths/TotalCases



India Median(BLUE)VsMean(RED) Growth Rate



Results:

- Tomorrows predicted case number is between 1.9981516×10^5 and 2.1590479×10^5 cases.
- Current doubling rate is **14 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 **4.8298658** percent.
- Mean Growth Rate: **13.2710368** percent.
- Median Growth Rate: **6.9994169** percent.
- Standard deviation: +/- **32.2076242**.