

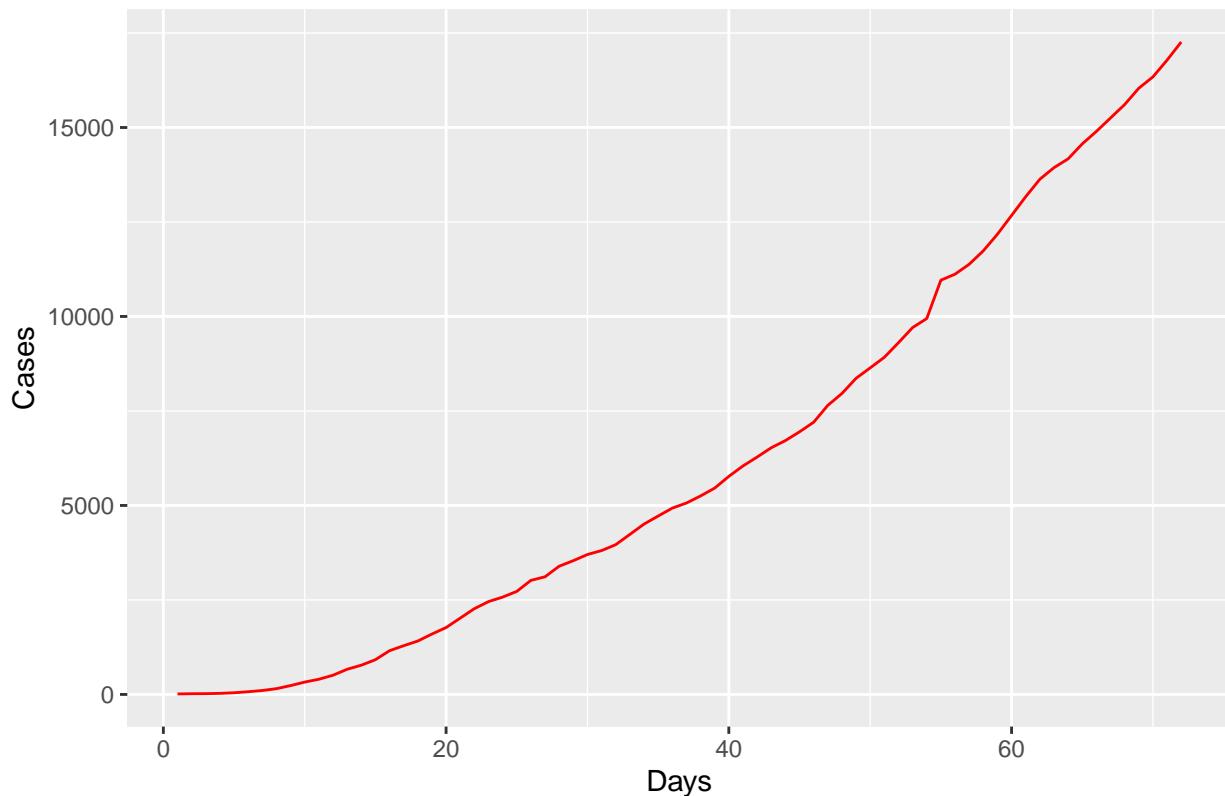
Arizona/US/India Corona Trends- 27th May 2020 with tomorrow's prediction

Whitchurch Muthumani

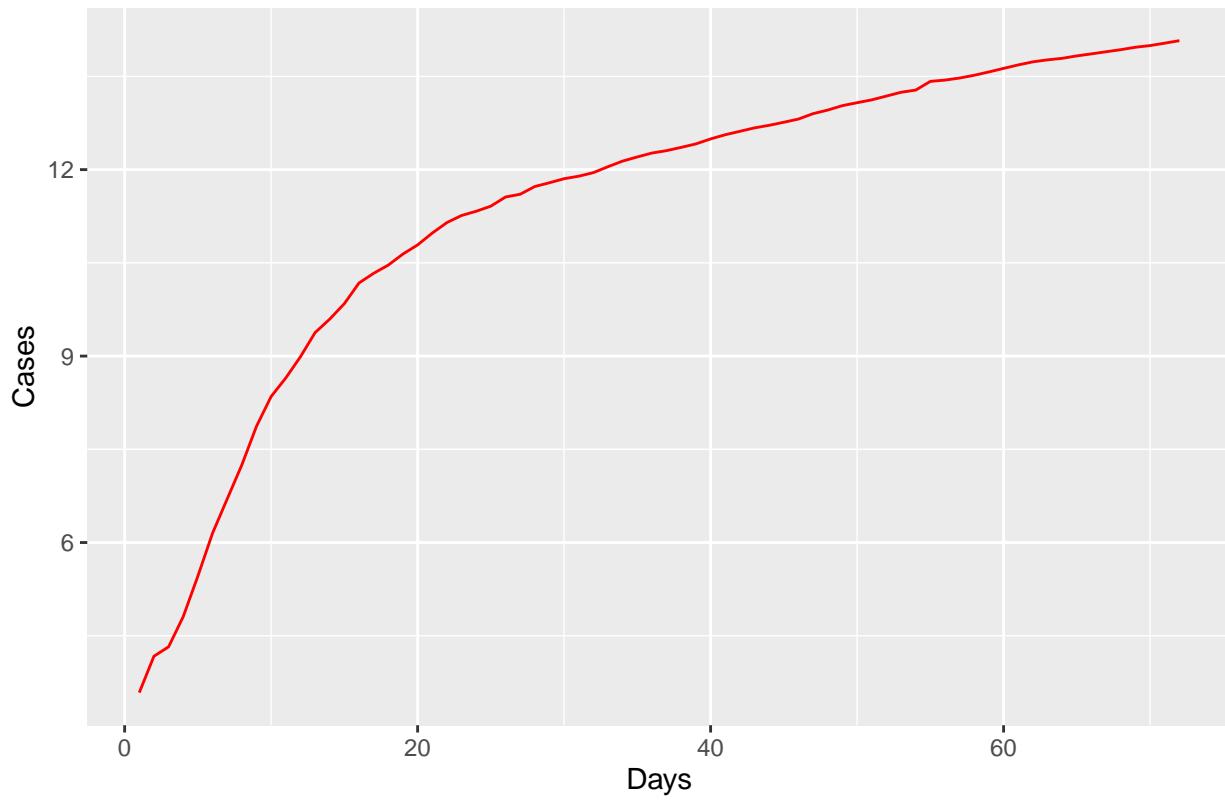
5/27/2020

Arizona Corona Dashboard

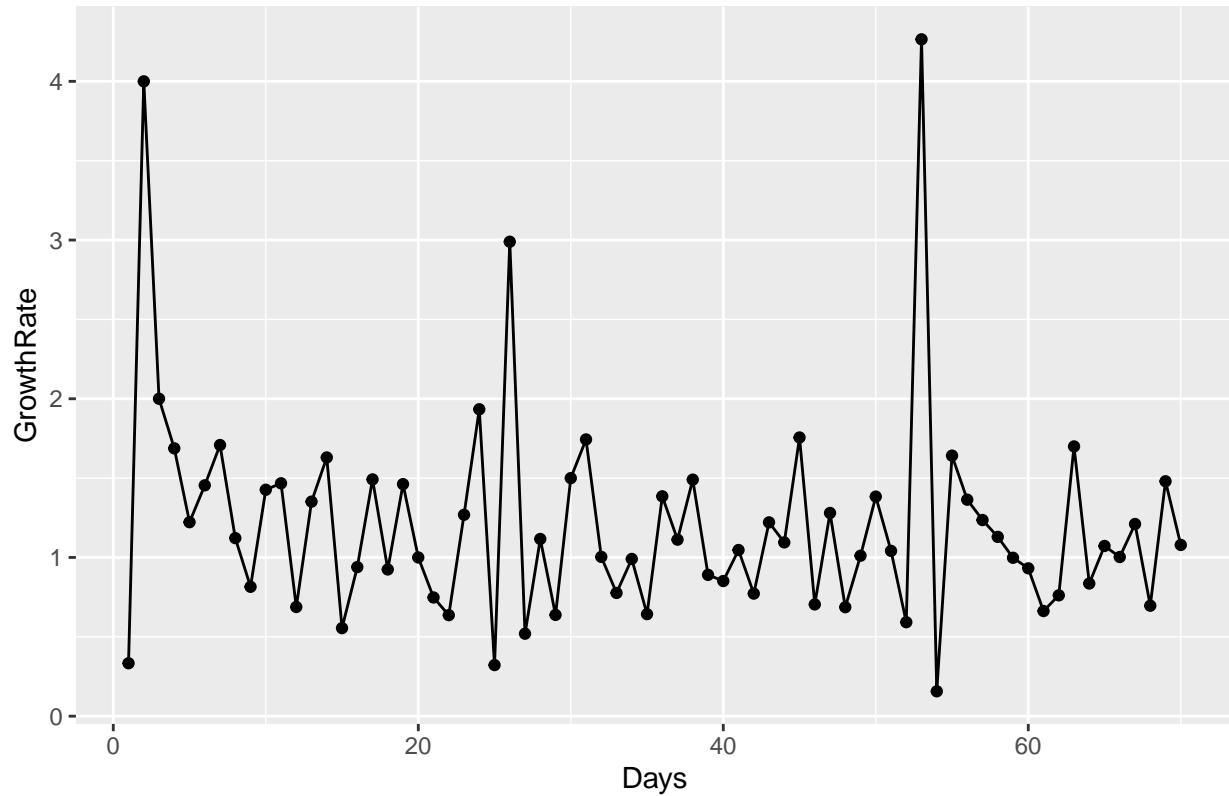
Arizona: Daily Cases



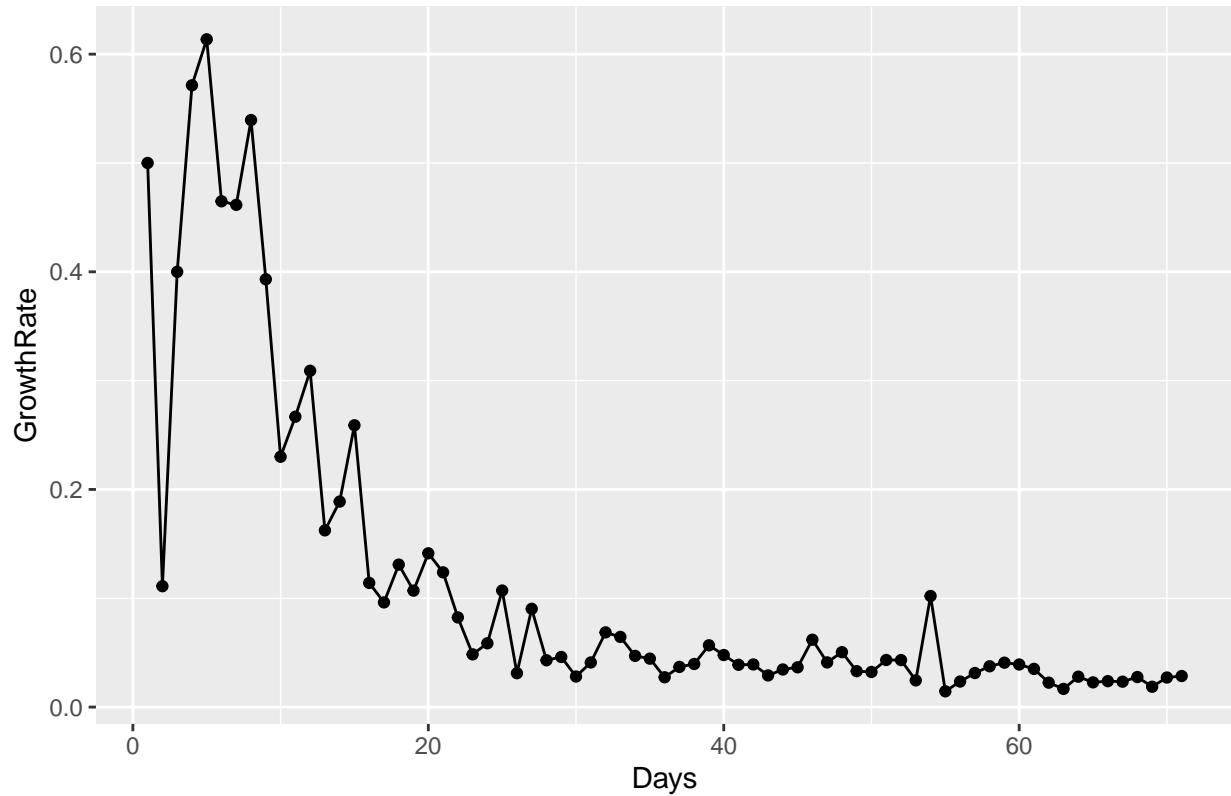
Arizona: Daily Cases



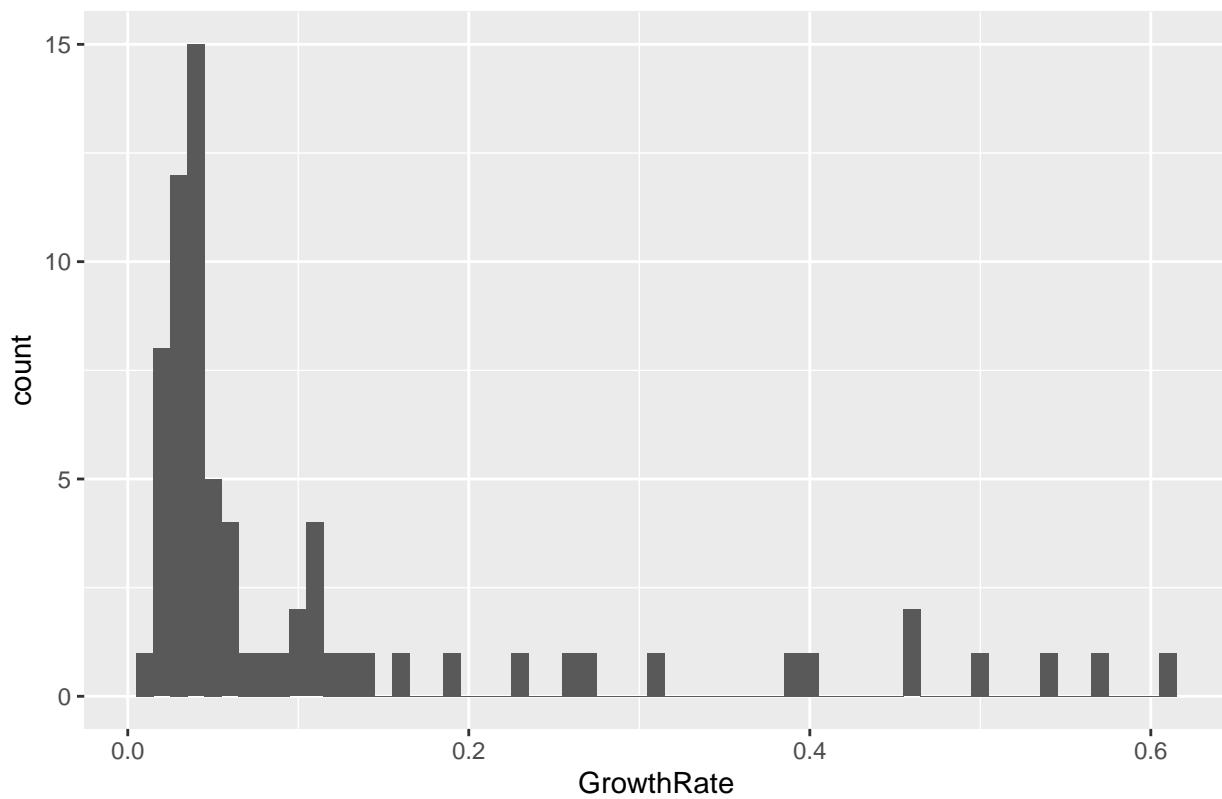
Arizona: Rate of change in Growth Rate



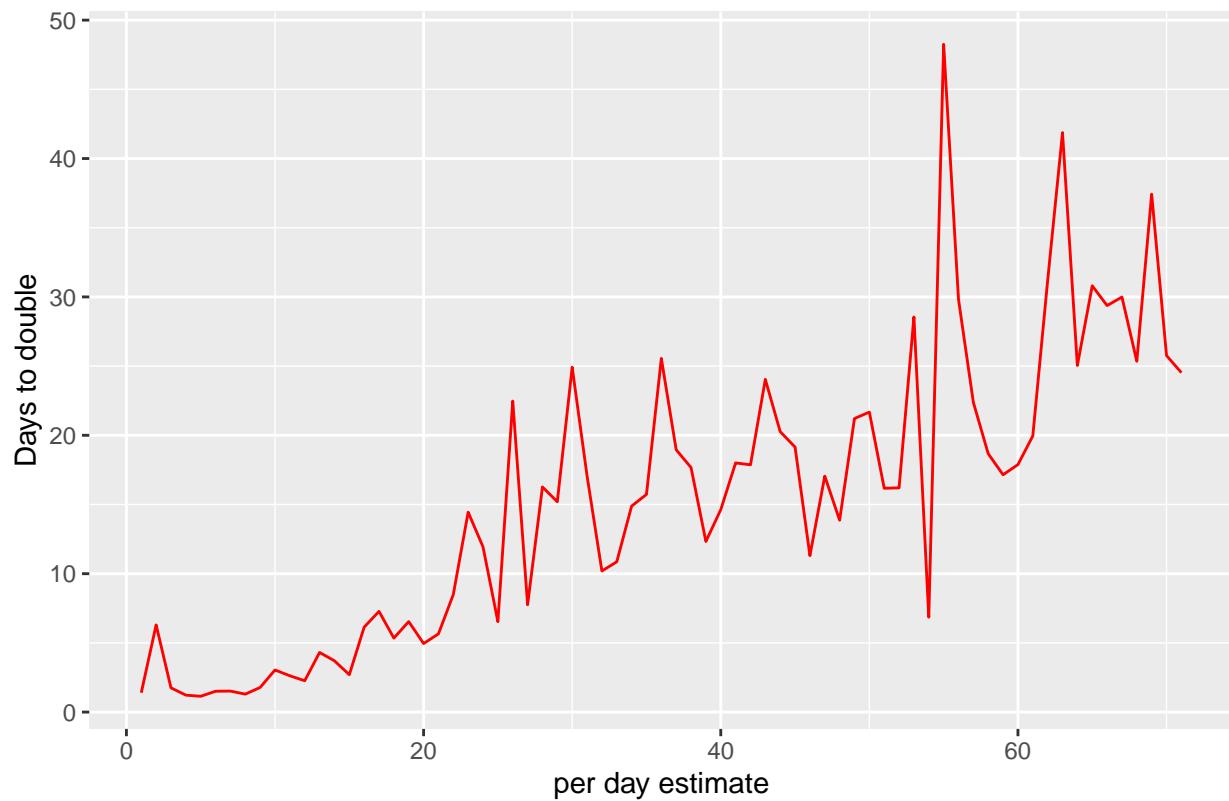
Arizona: Growth Rate



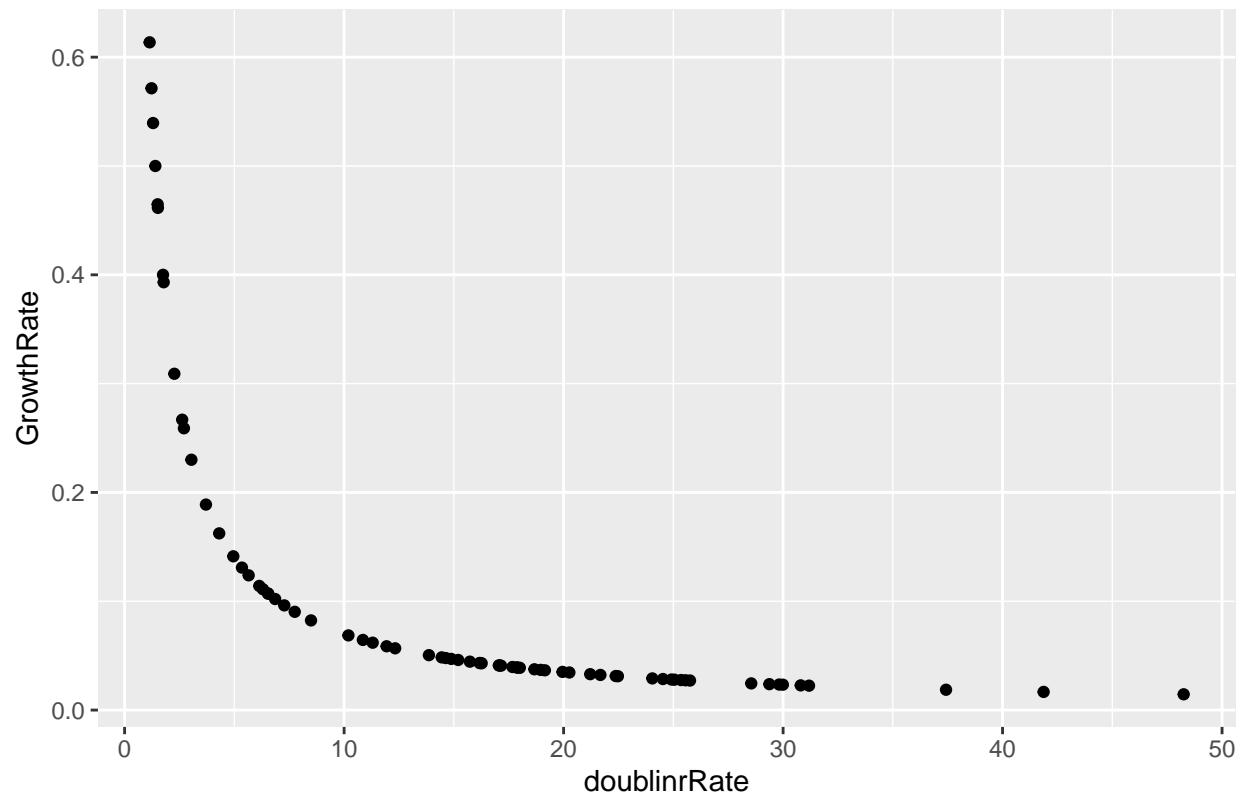
Histogram of GrowthRate



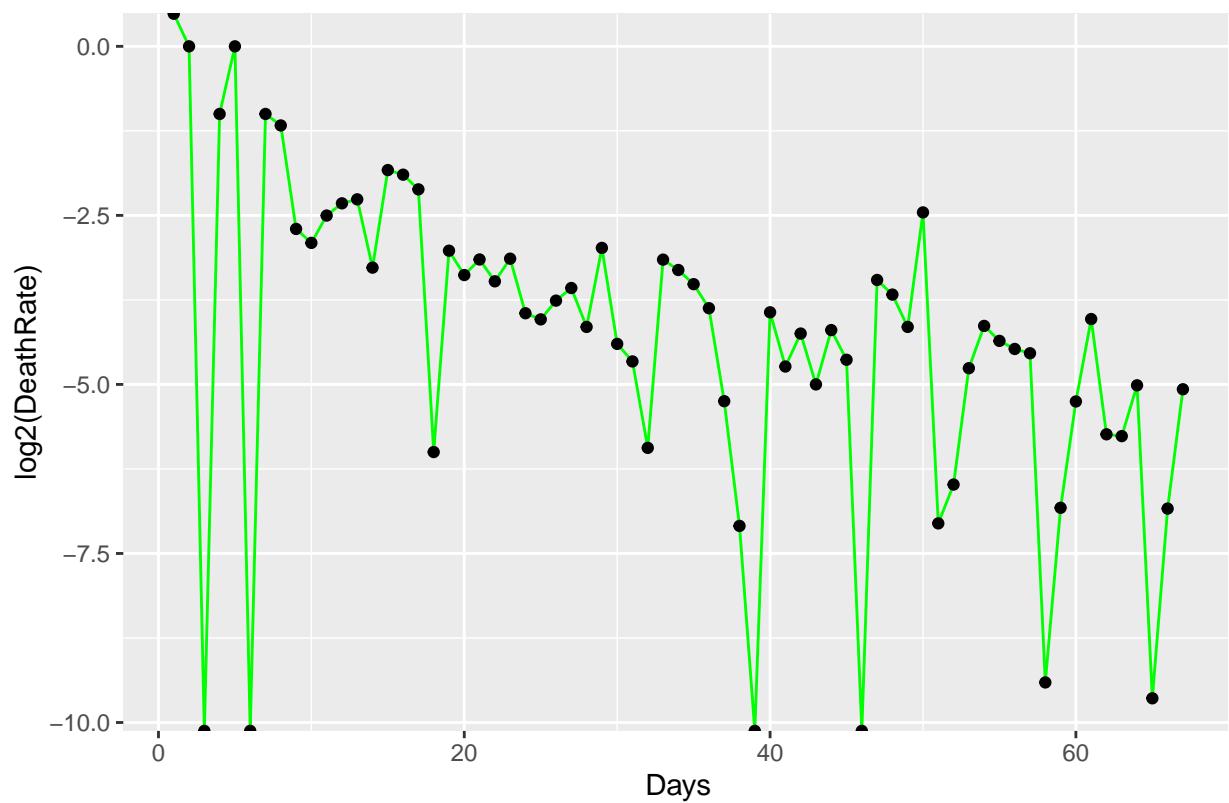
Doubling Rate in days



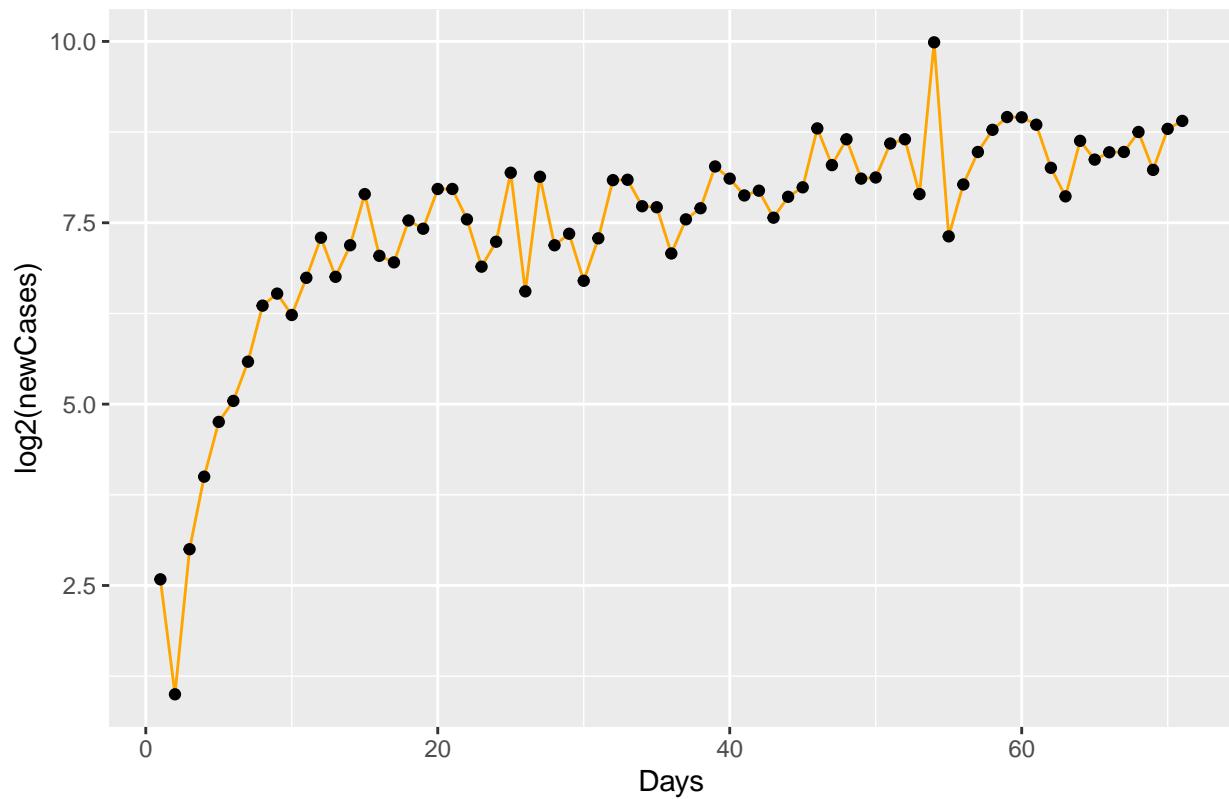
Doubling Rate vs Growth Rate



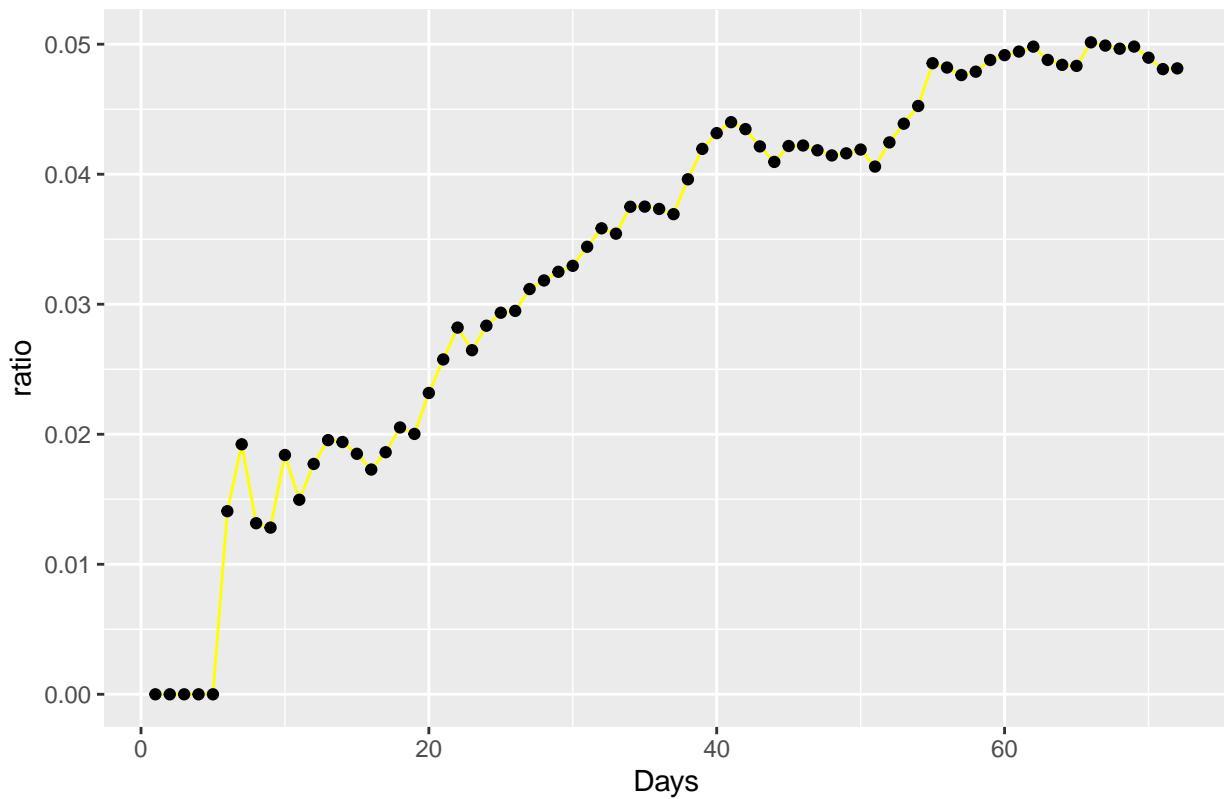
Arizona: Daily Death Rate



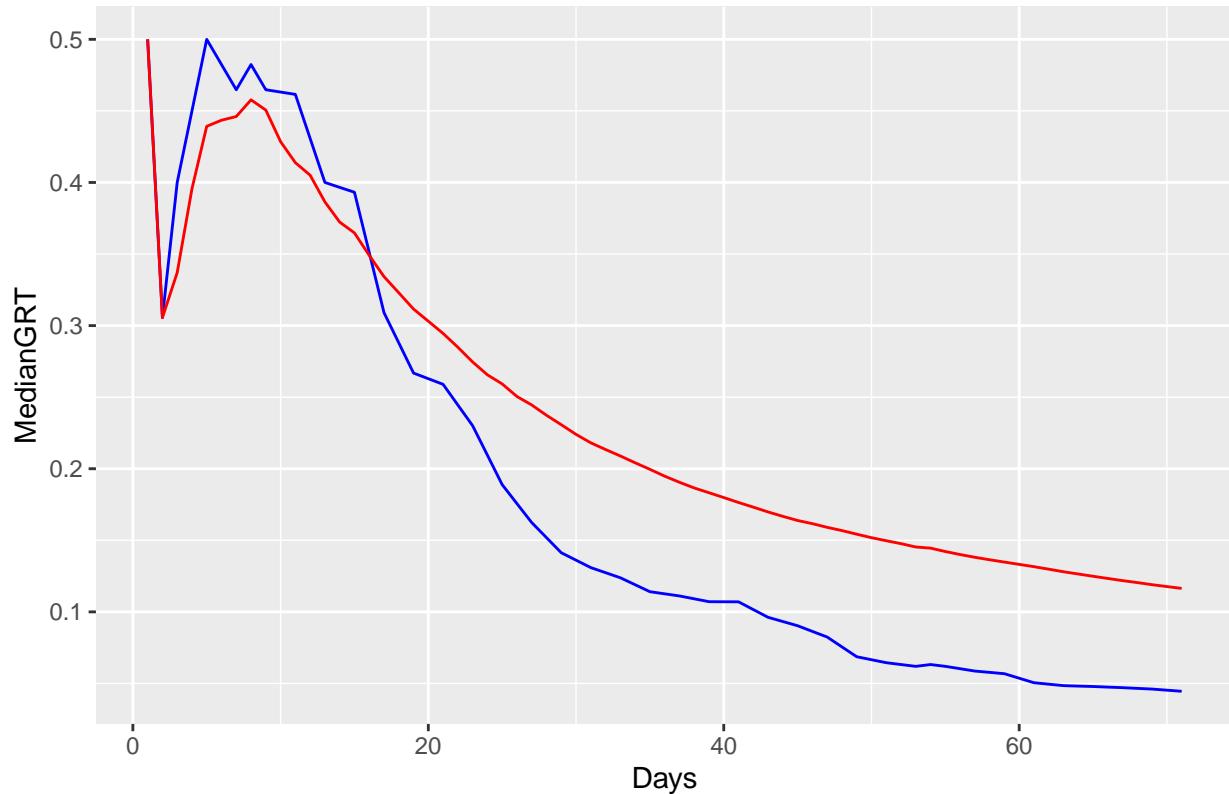
Arizona:newCases(Orange)



Arizona: TotalDeaths/TotalCases



Arizona Median(BLUE)VsMean(RED) Growth Rate

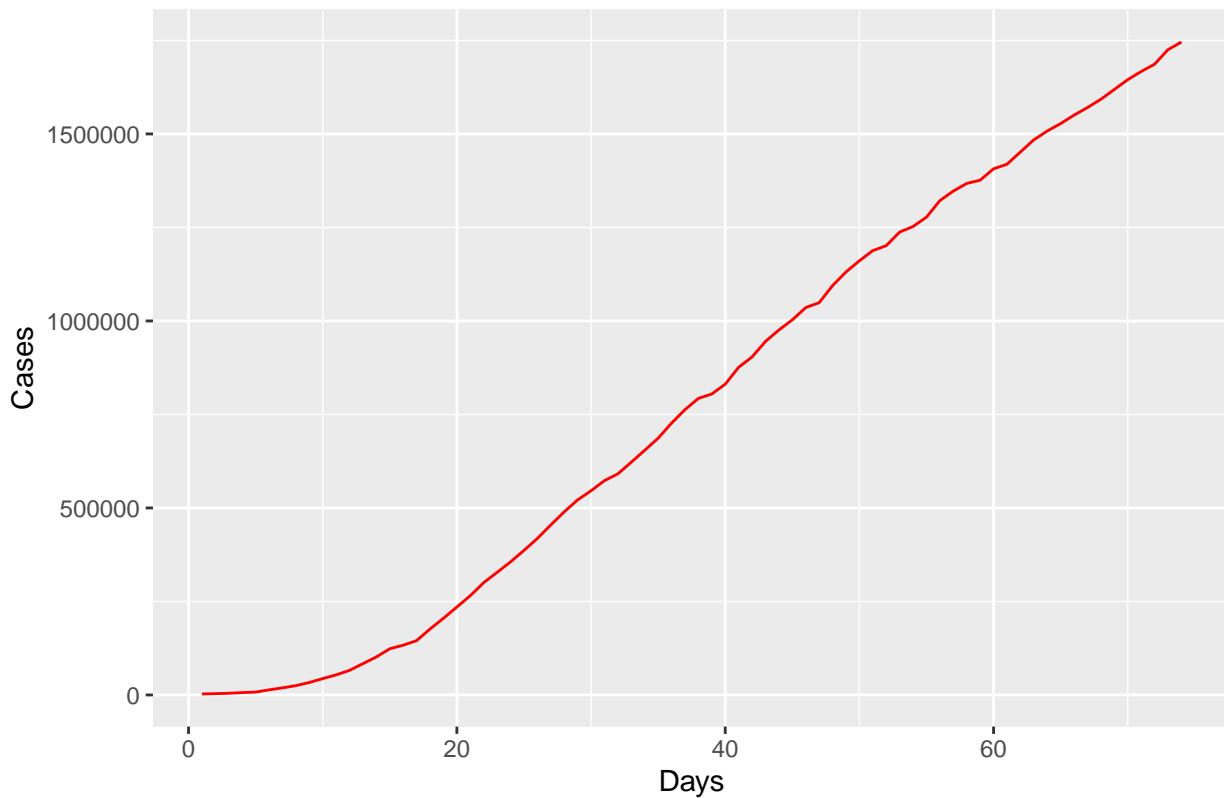


Results:

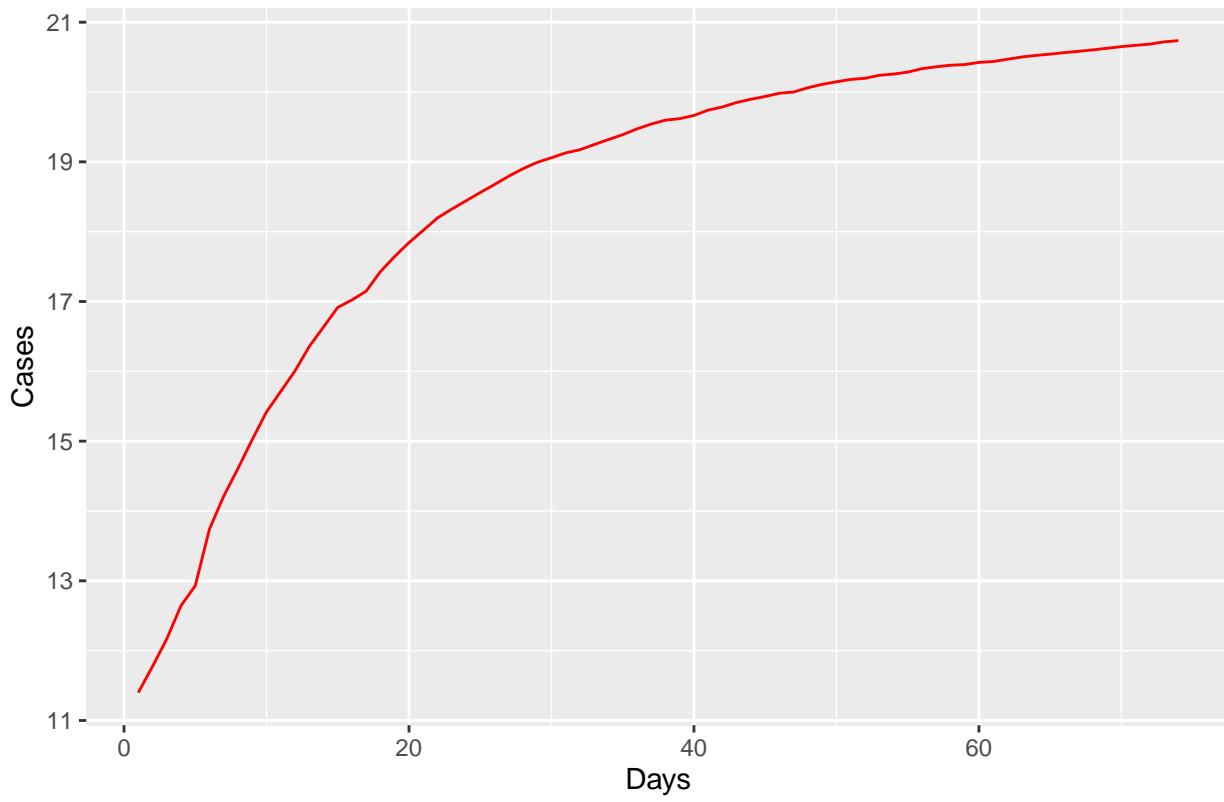
- Tomorrows predicted case number is between 1.7754671×10^4 and 1.9271467×10^4 cases.
- Current doubling rate is **25 days**
- Mean doubling rate, i.e number of cases doubles every **6 days**.
- Median doubling rate, i.e number of cases doubles every **16 days**.
- Latest Observed Growth Rate **2.8540785** percent.
- Mean Growth Rate: **11.6409876** percent.
- Median Growth Rate: **4.4500954** percent.
- Standard deviation: +/- **15.0217154**.

US Corona Dashboard

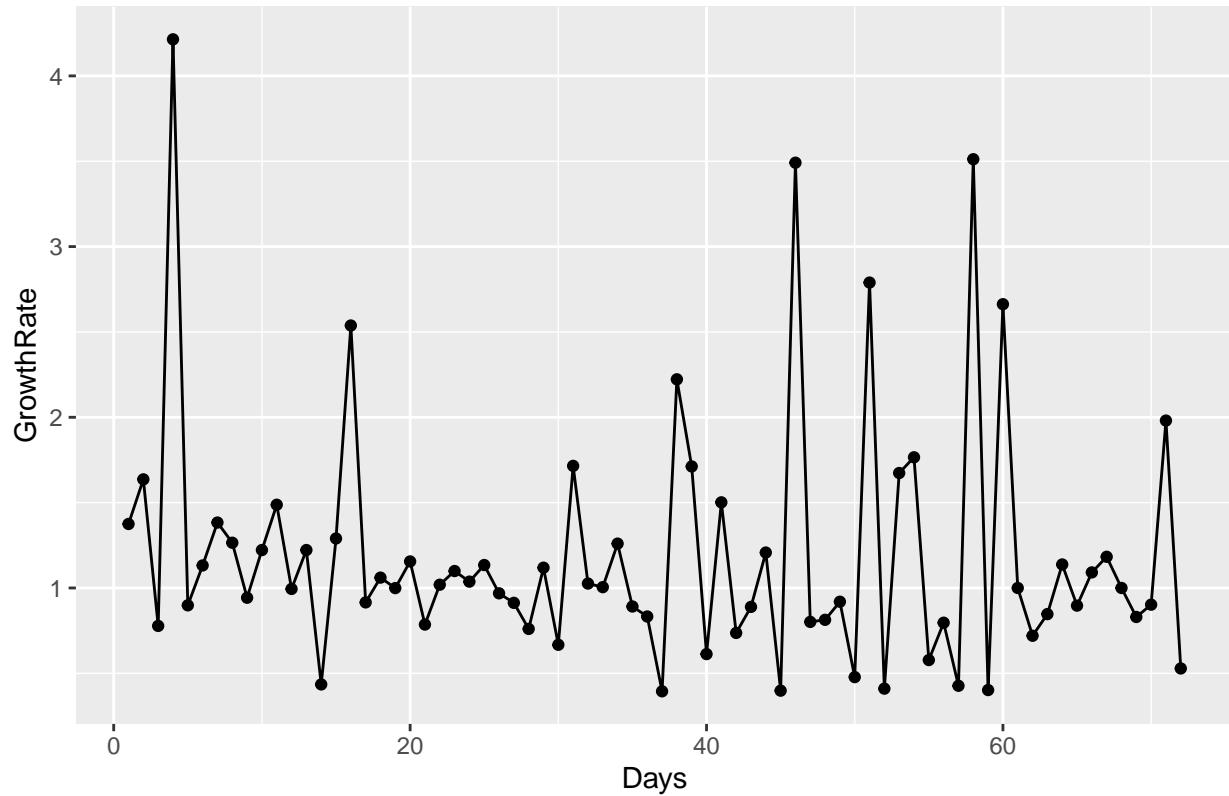
US: Daily Cases



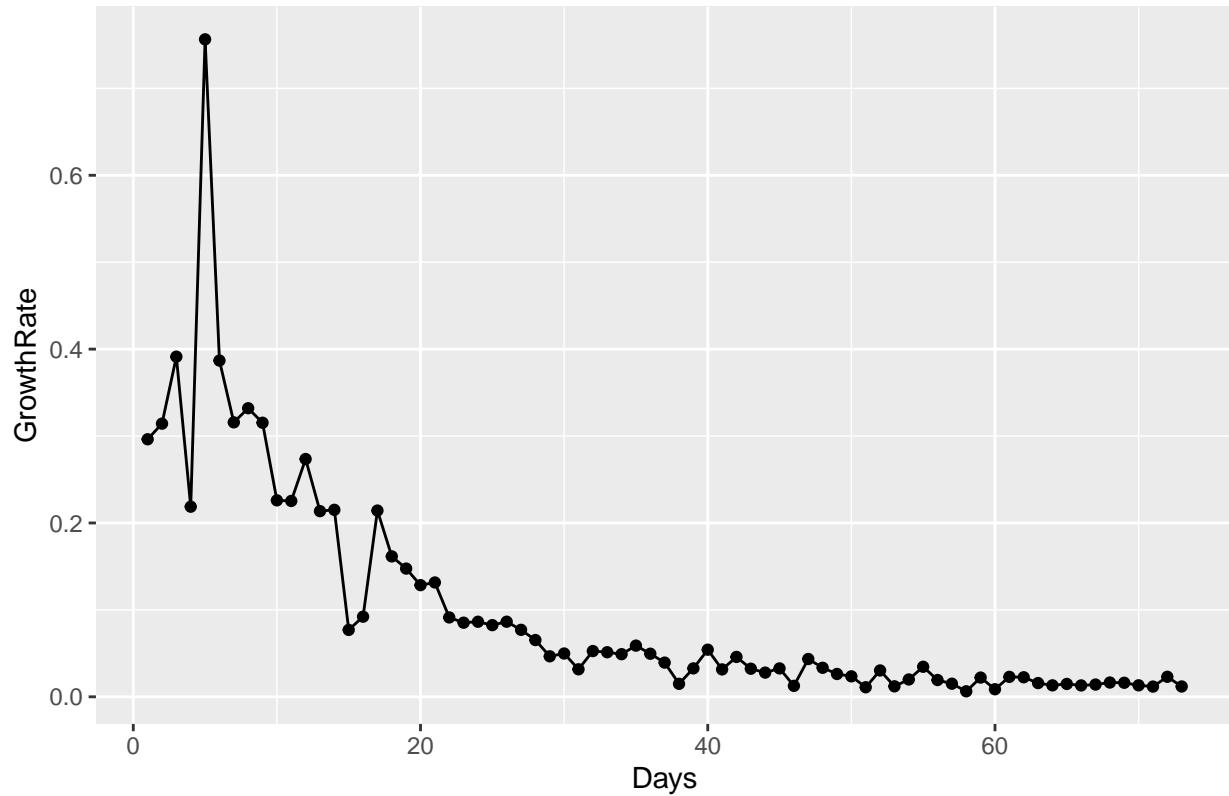
US: Daily Cases



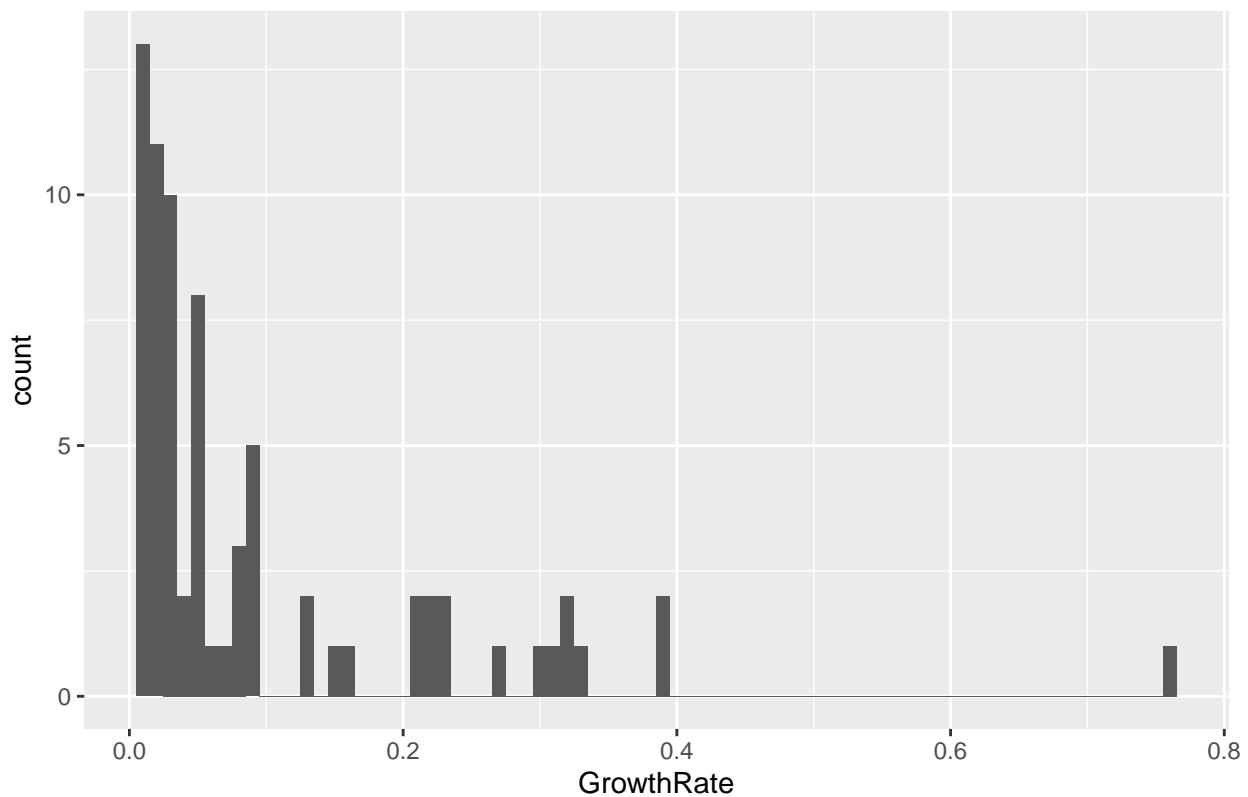
US: Rate of change in Growth Rate



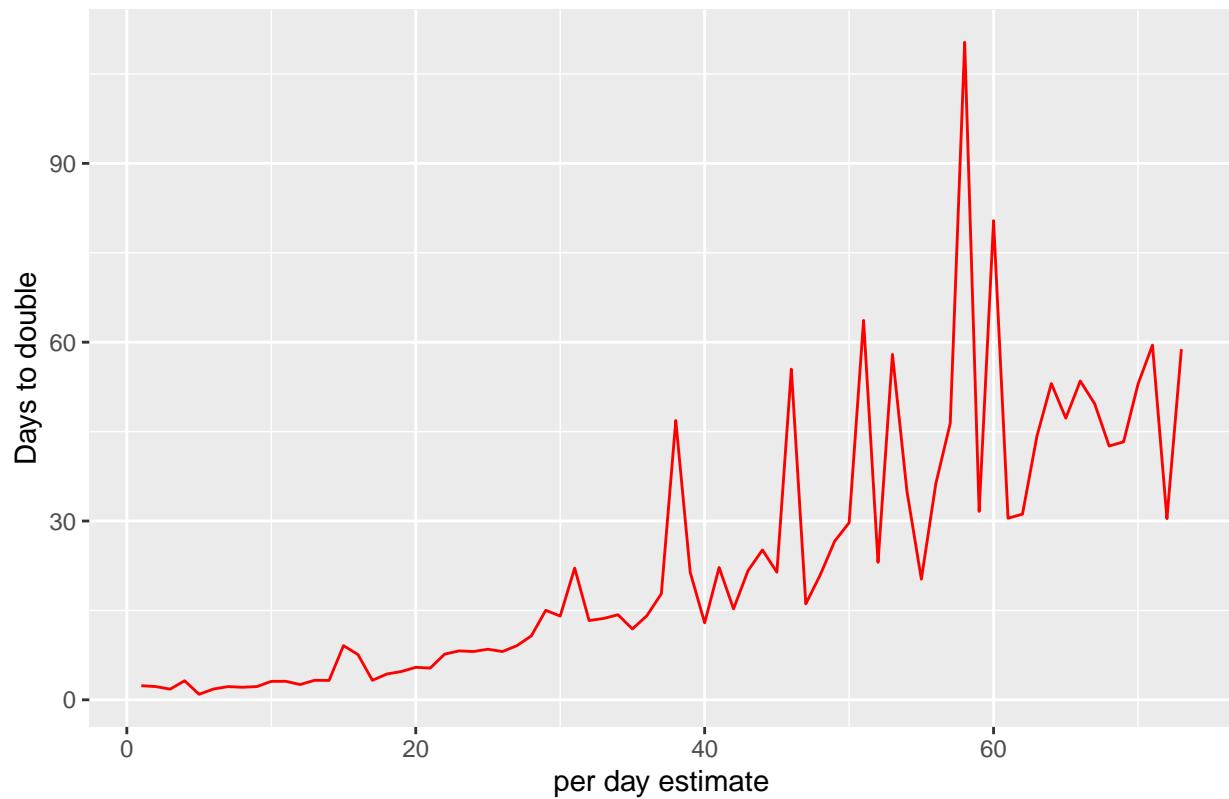
US: Growth Rate



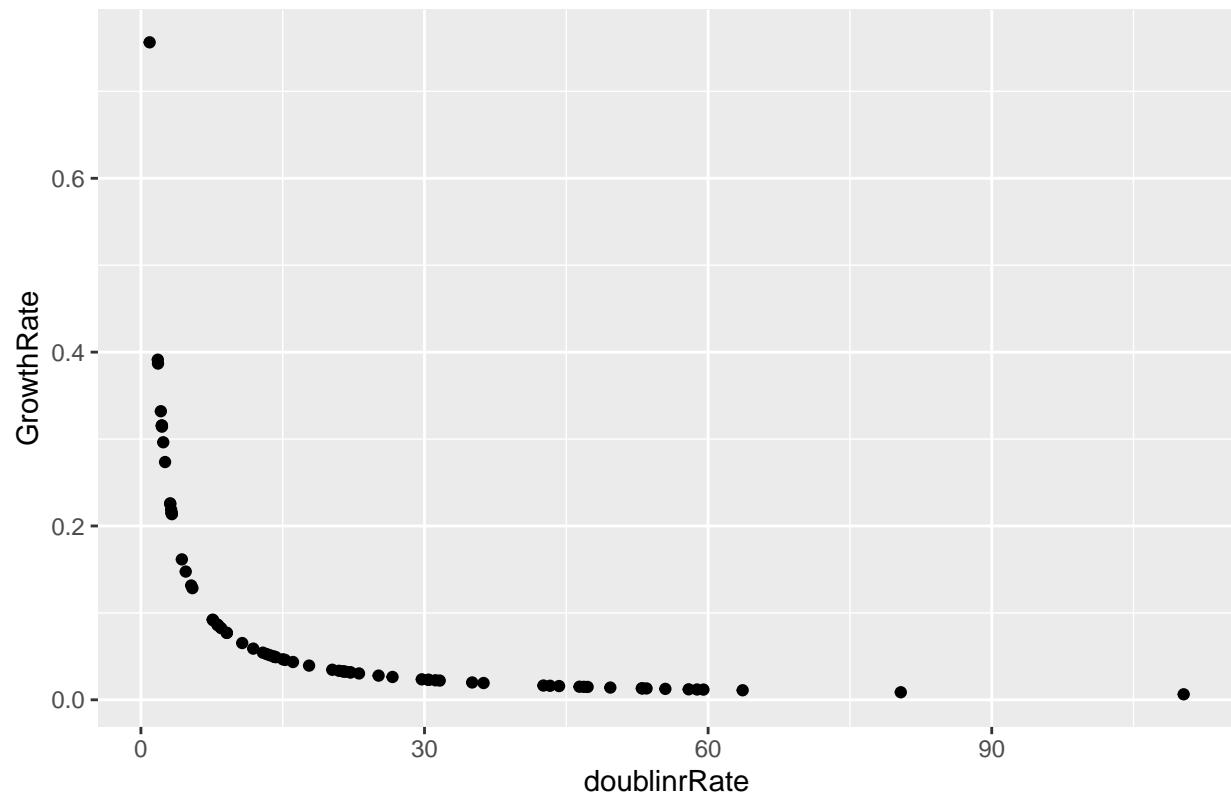
Histogram of GrowthRate



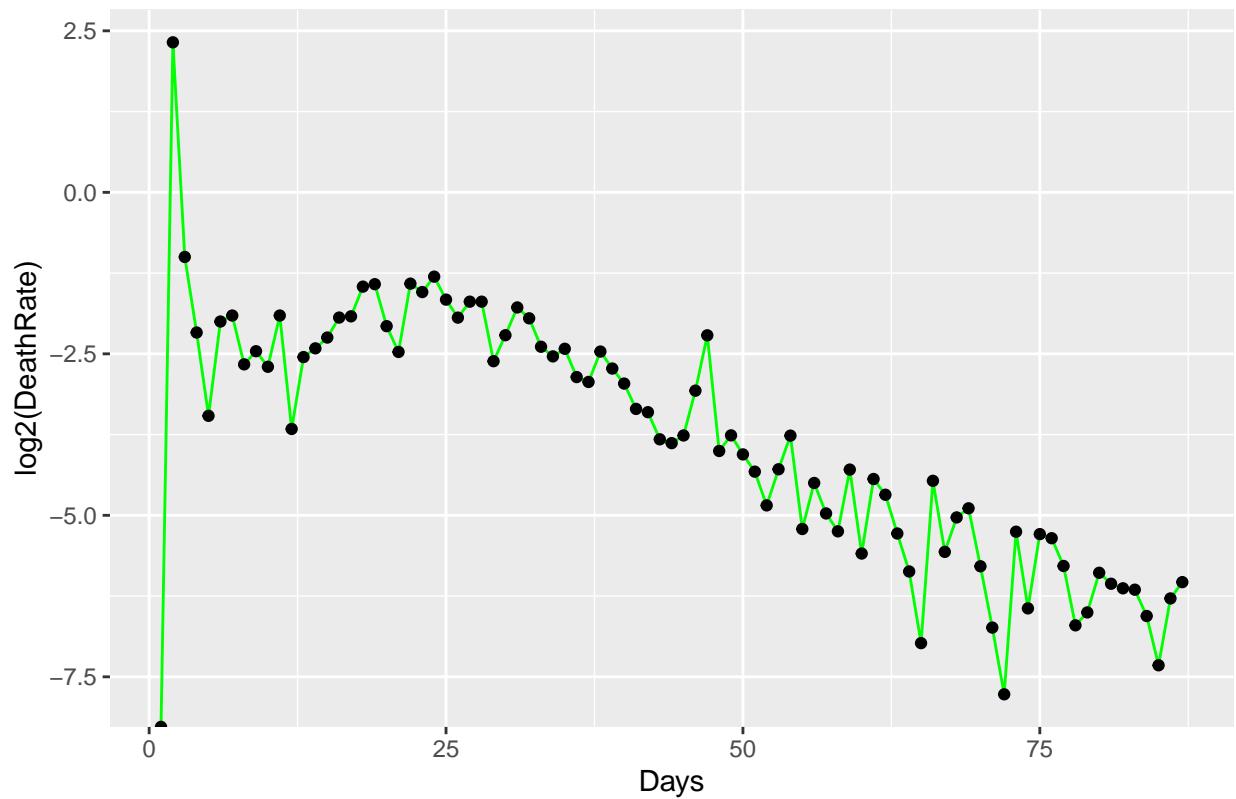
Doubling Rate in days



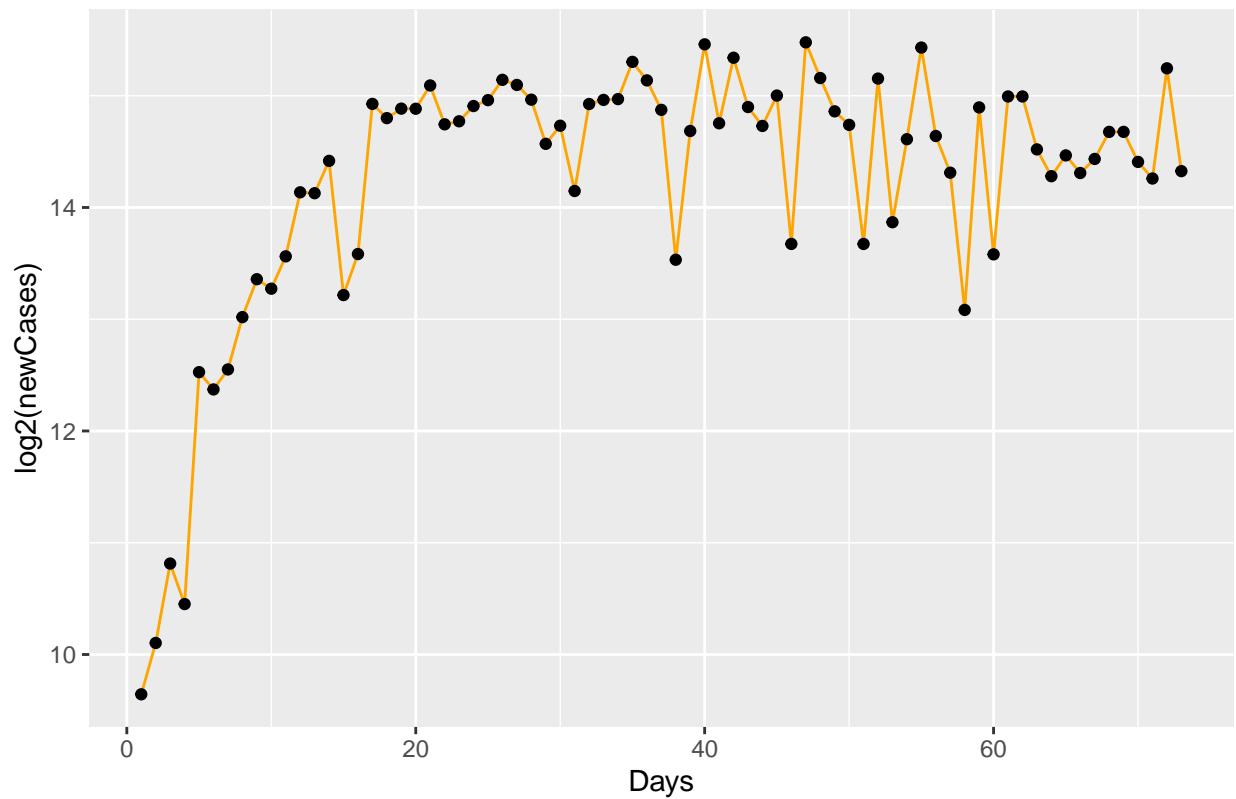
Doubling Rate vs Growth Rate



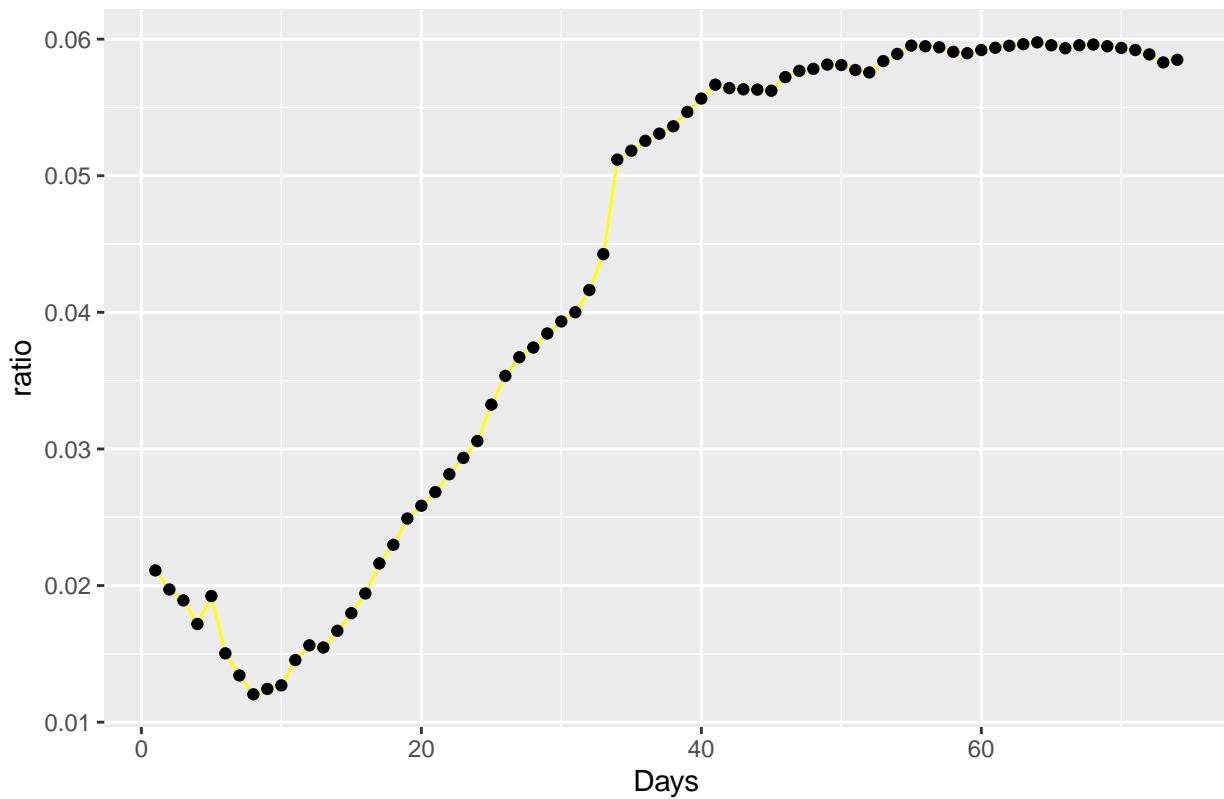
US: Daily Death Rate



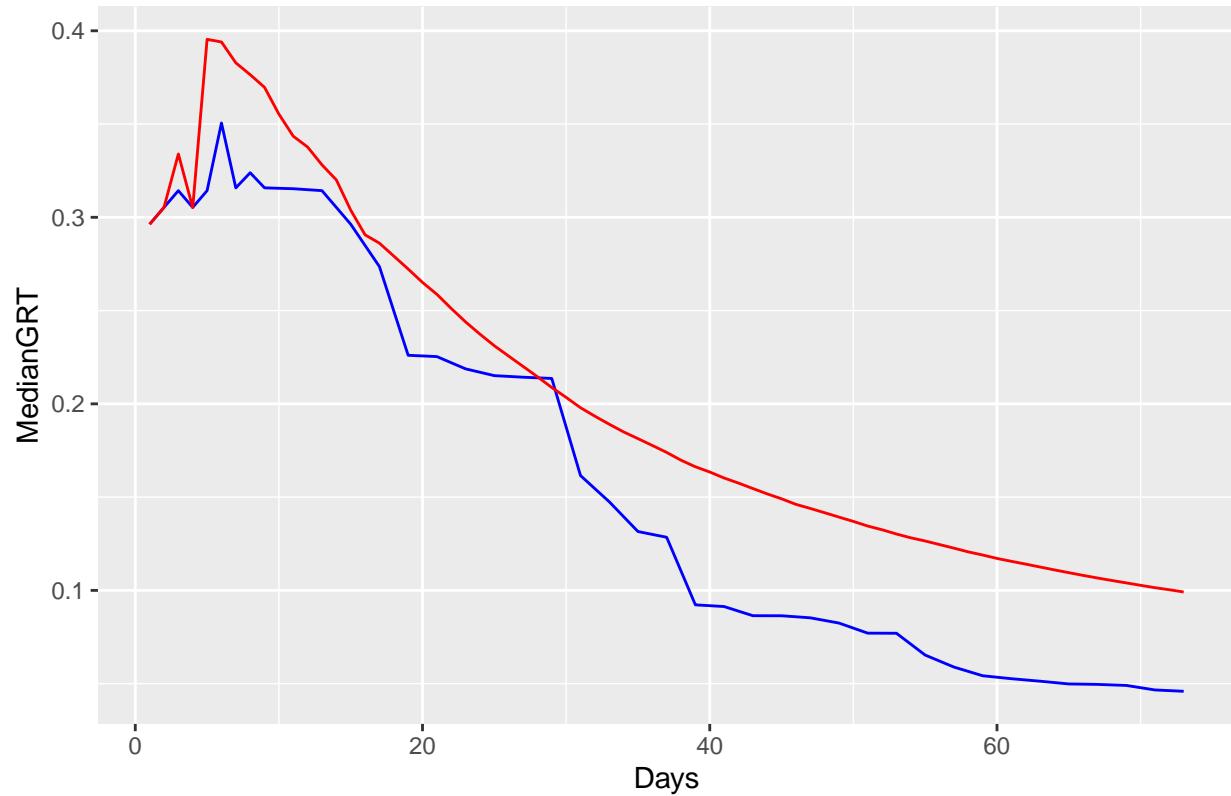
US:newCases(Orange)



US: TotalDeaths/TotalCases



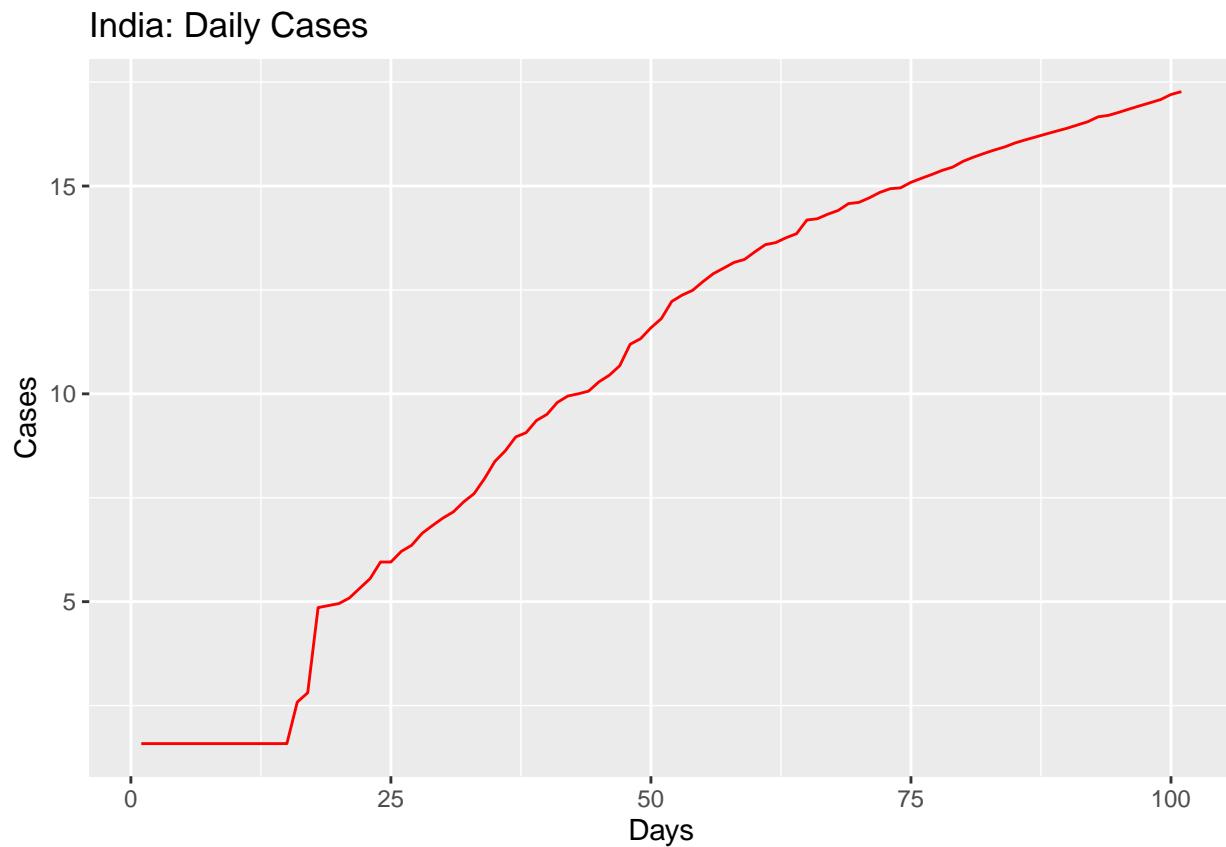
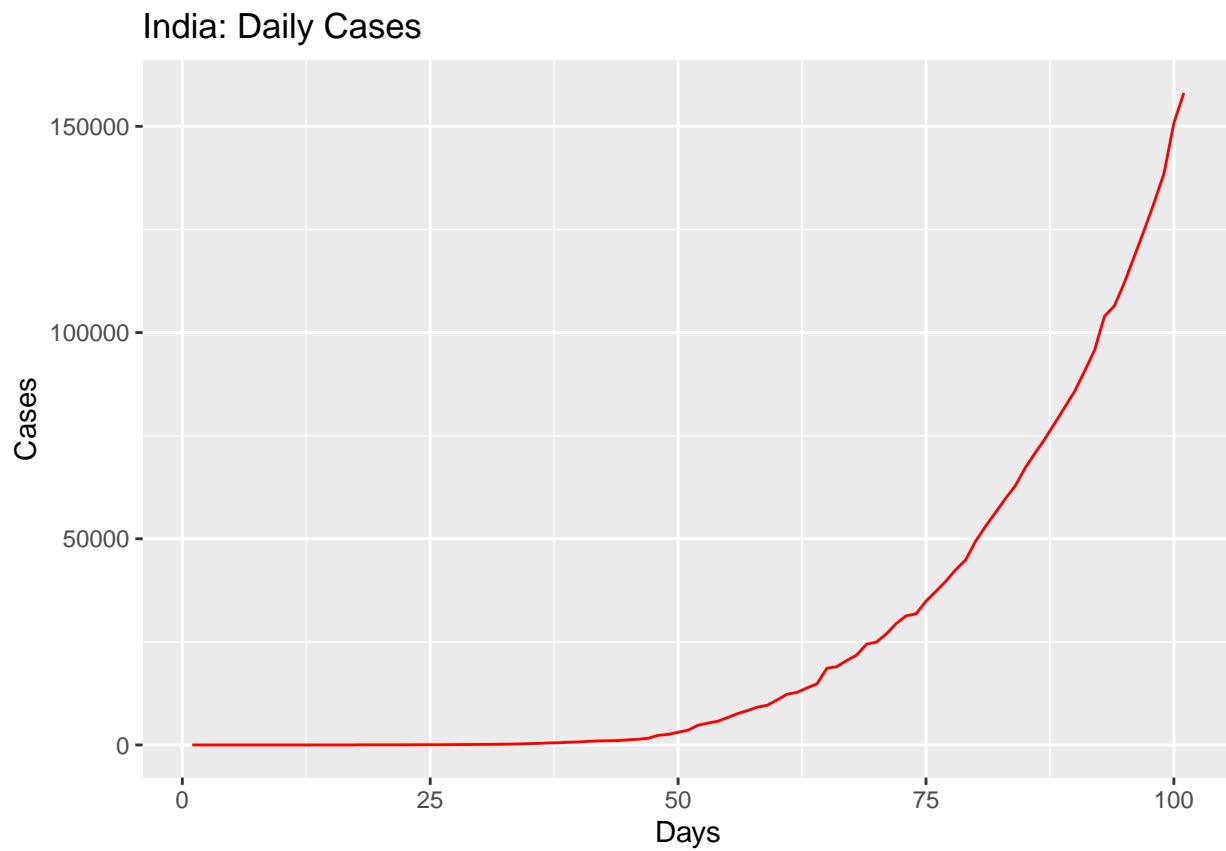
US Median(BLUE)VsMean(RED) Growth Rate



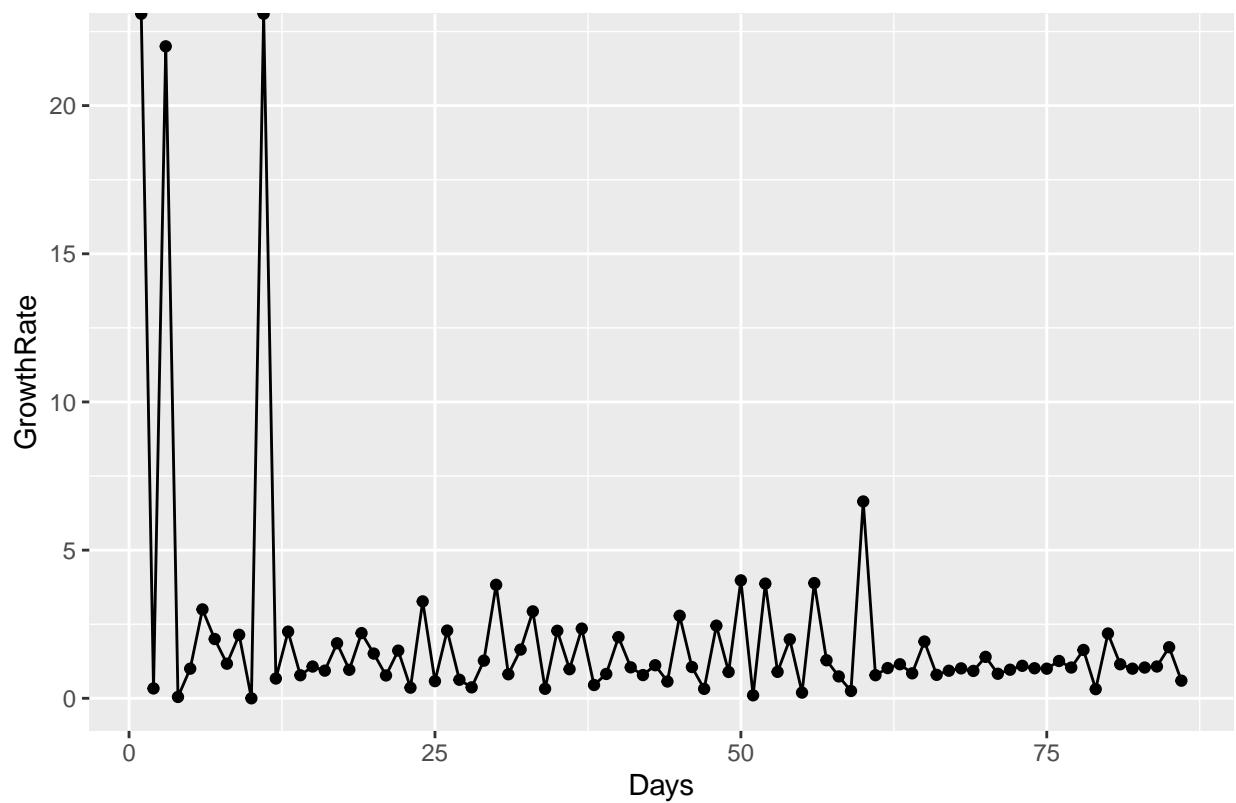
Results:

- Tomorrows predicted case number is between 1.7665753×10^6 and 1.9188648×10^6 cases.
- Current doubling rate is **59 days**
- Mean doubling rate, i.e number of cases doubles every **7 days**.
- Median doubling rate, i.e number of cases doubles every **15 days**.
- Latest Observed Growth Rate **1.1898393** percent.
- Mean Growth Rate: **9.9130201** percent.
- Median Growth Rate: **4.588974** percent.
- Standard deviation: +/- **12.924278**.

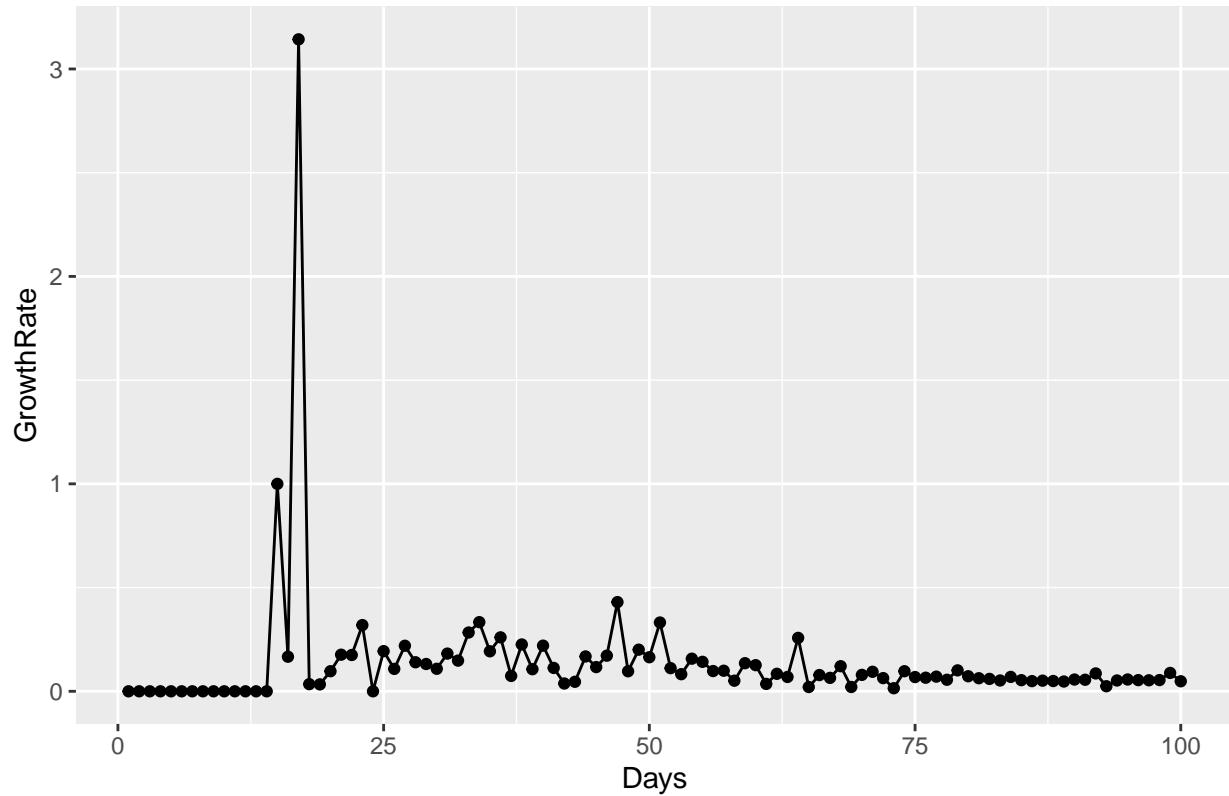
India Corona Dashboard



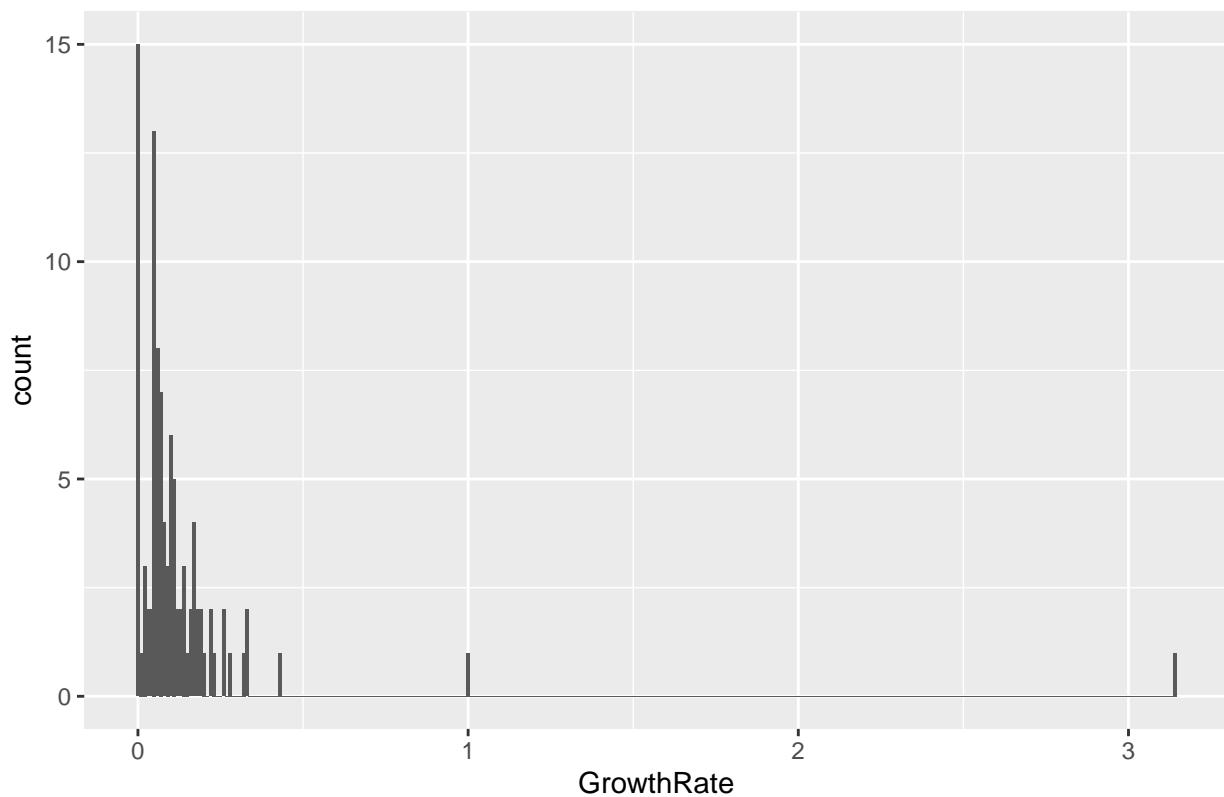
US: Rate of change in Growth Rate



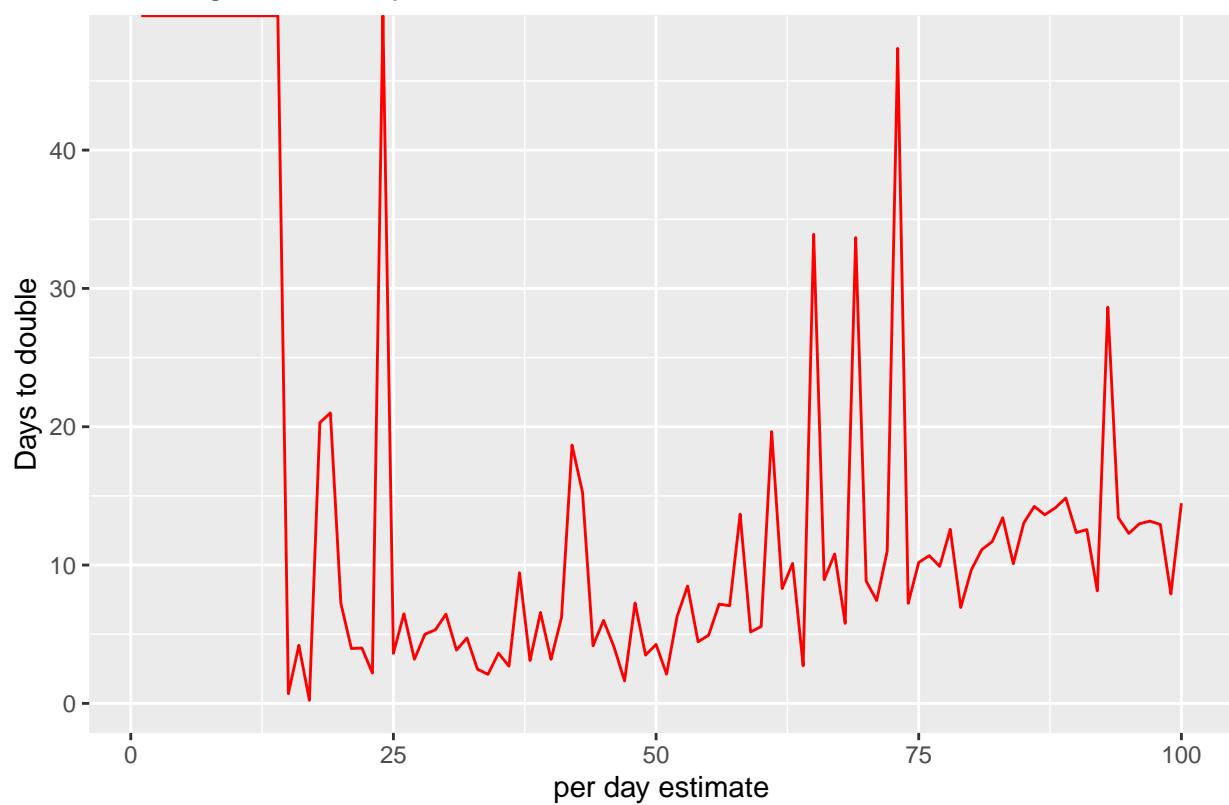
India: Growth Rate



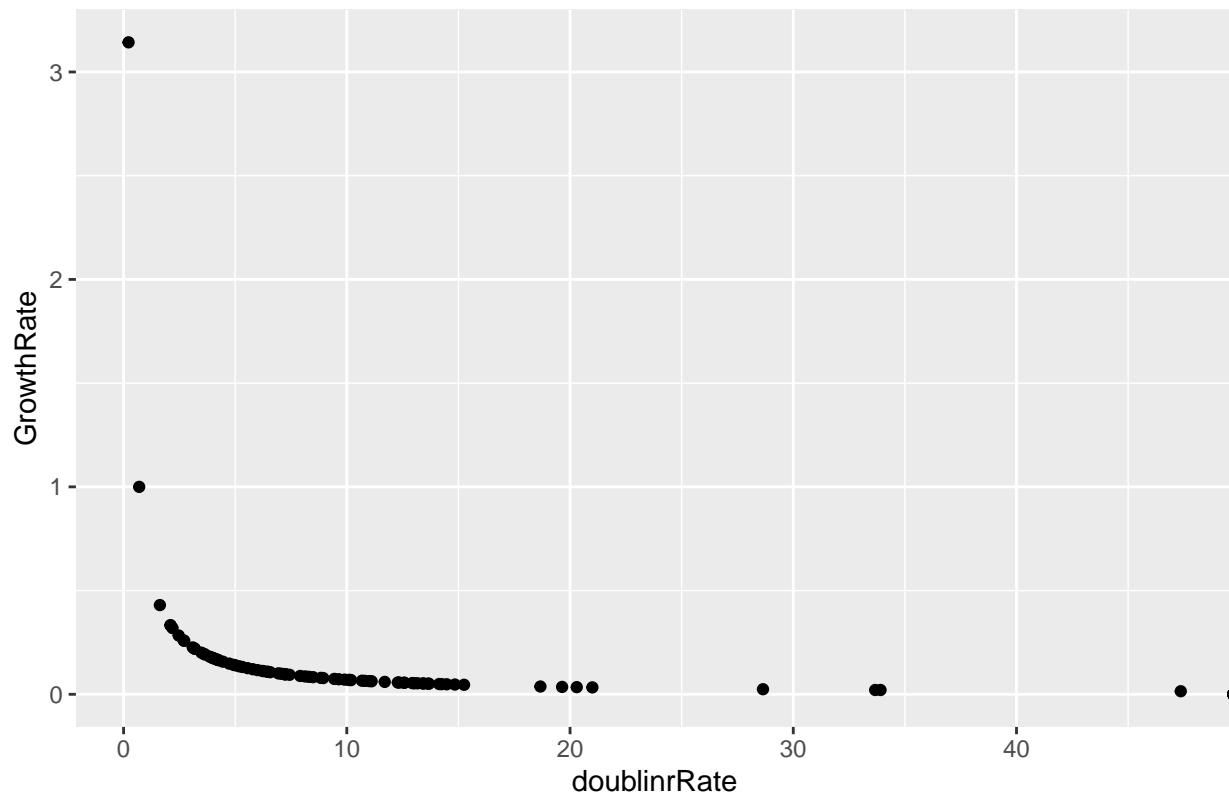
Histogram of GrowthRate



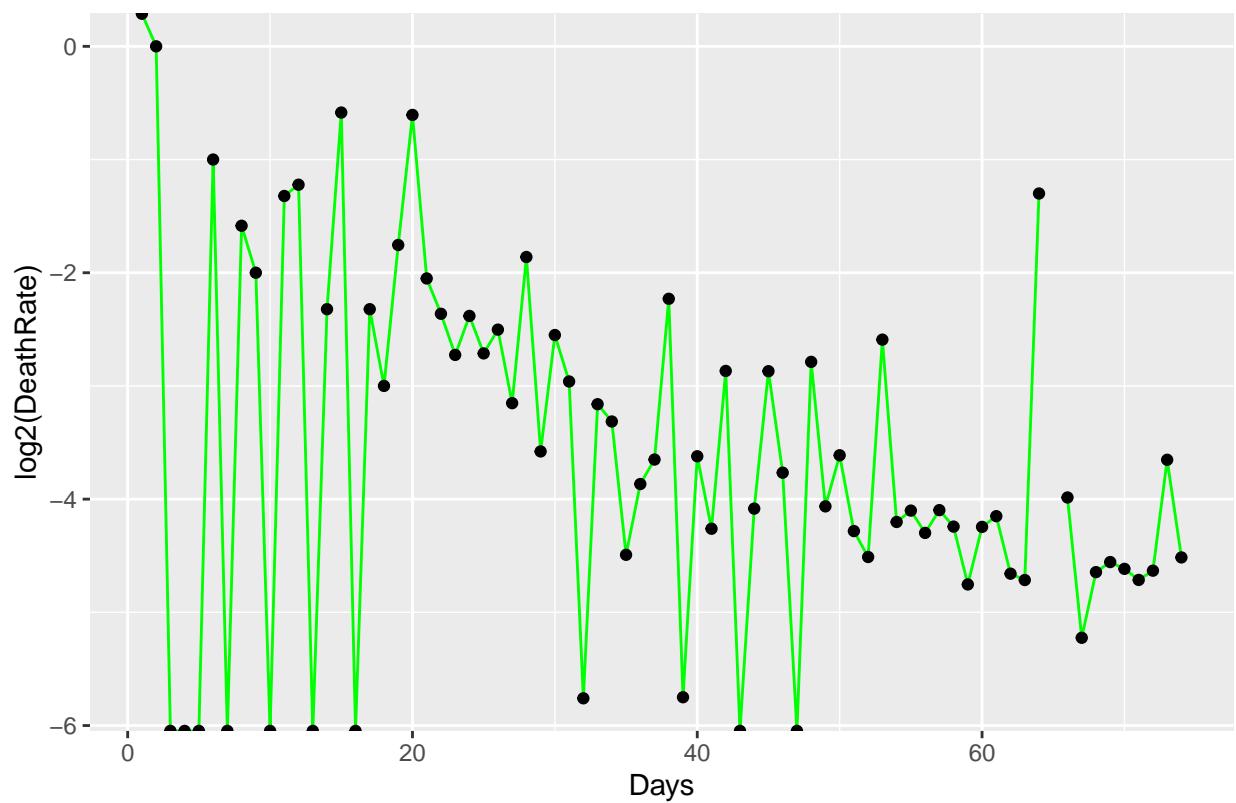
Doubling Rate in days



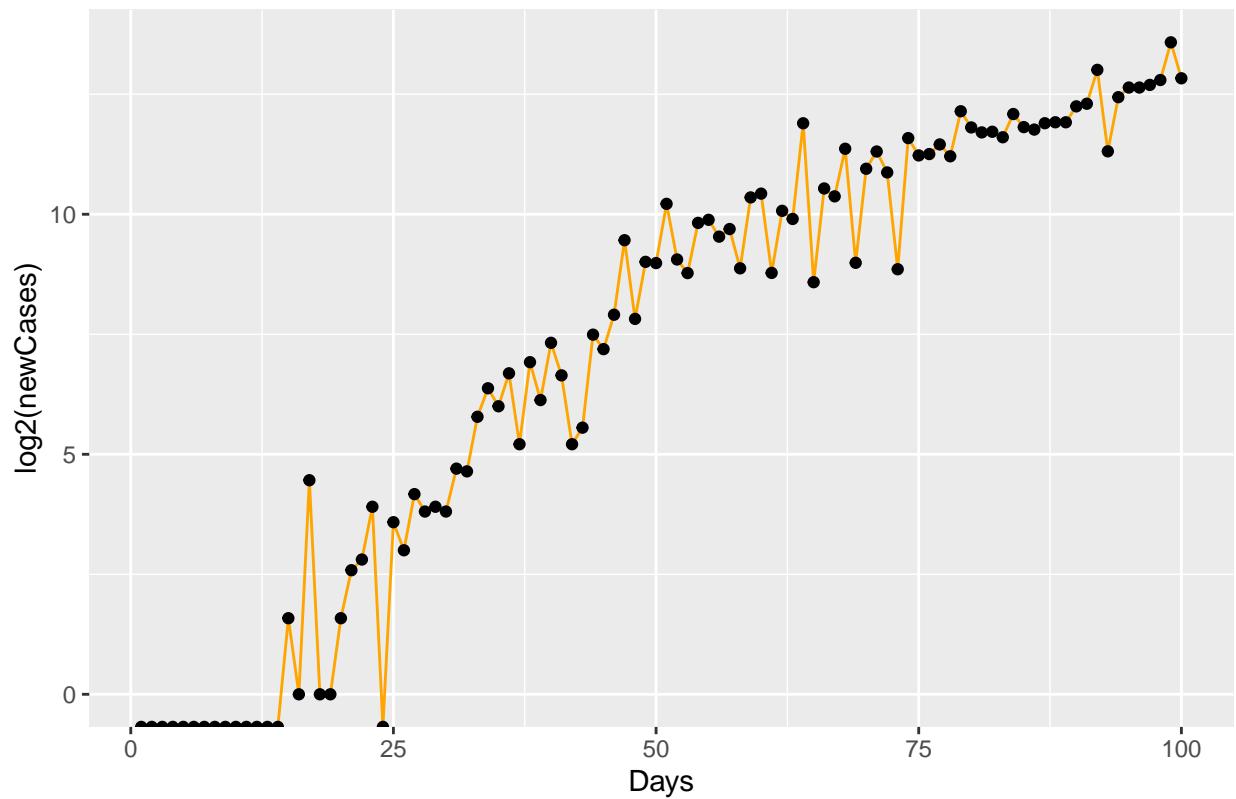
Doubling Rate vs Growth Rate



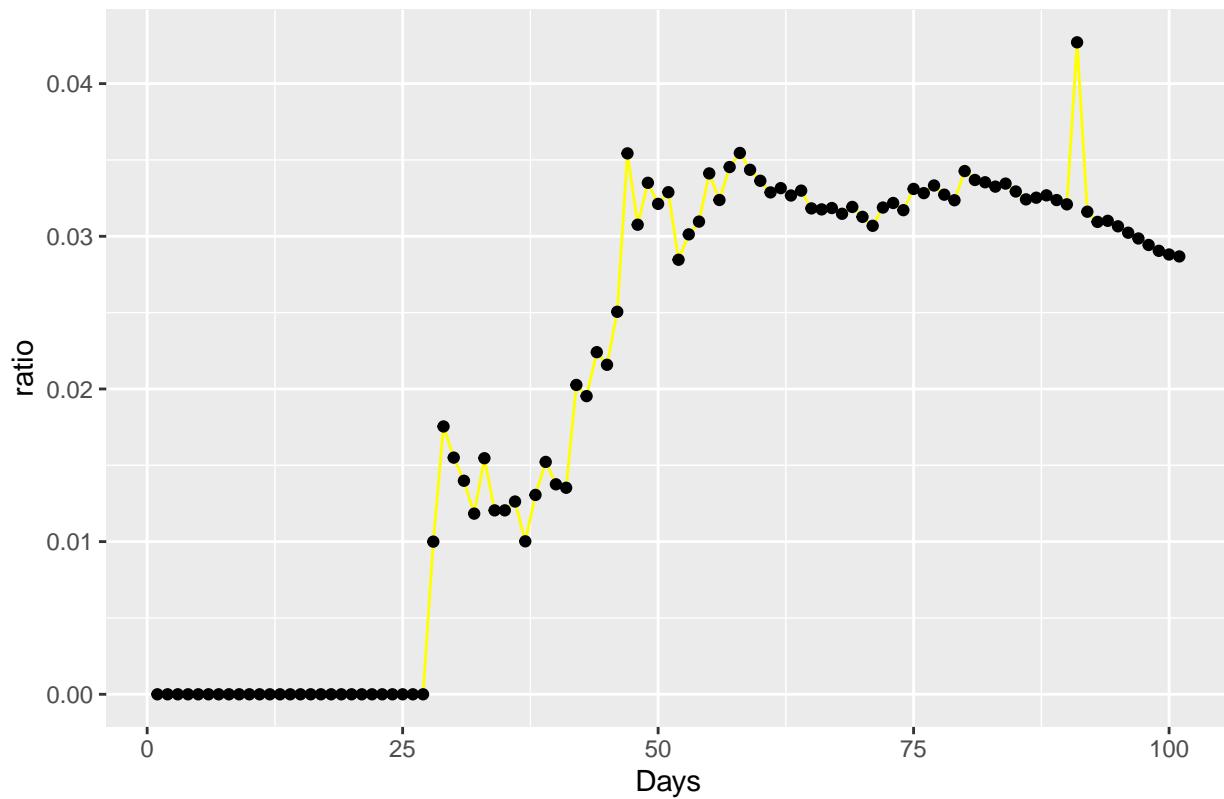
India: Daily Death Rate



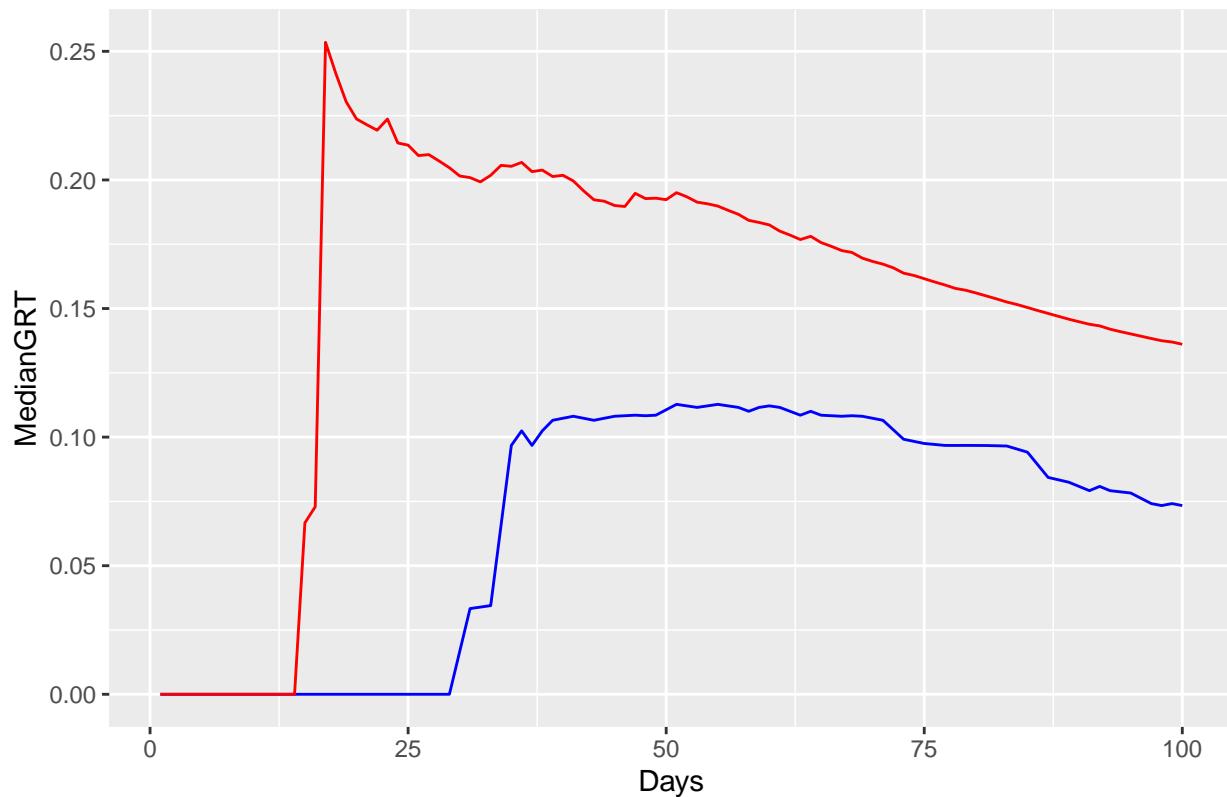
India:newCases(Orange)



India: TotalDeaths/TotalCases



India Median(BLUE)VsMean(RED) Growth Rate



Results:

- Tomorrows predicted case number is between 1.6573172×10^5 and 1.7960205×10^5 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 **4.8364314** percent.
- Mean Growth Rate: **13.6103471** percent.
- Median Growth Rate: **7.3379816** percent.
- Standard deviation: +/- **32.8057819**.