

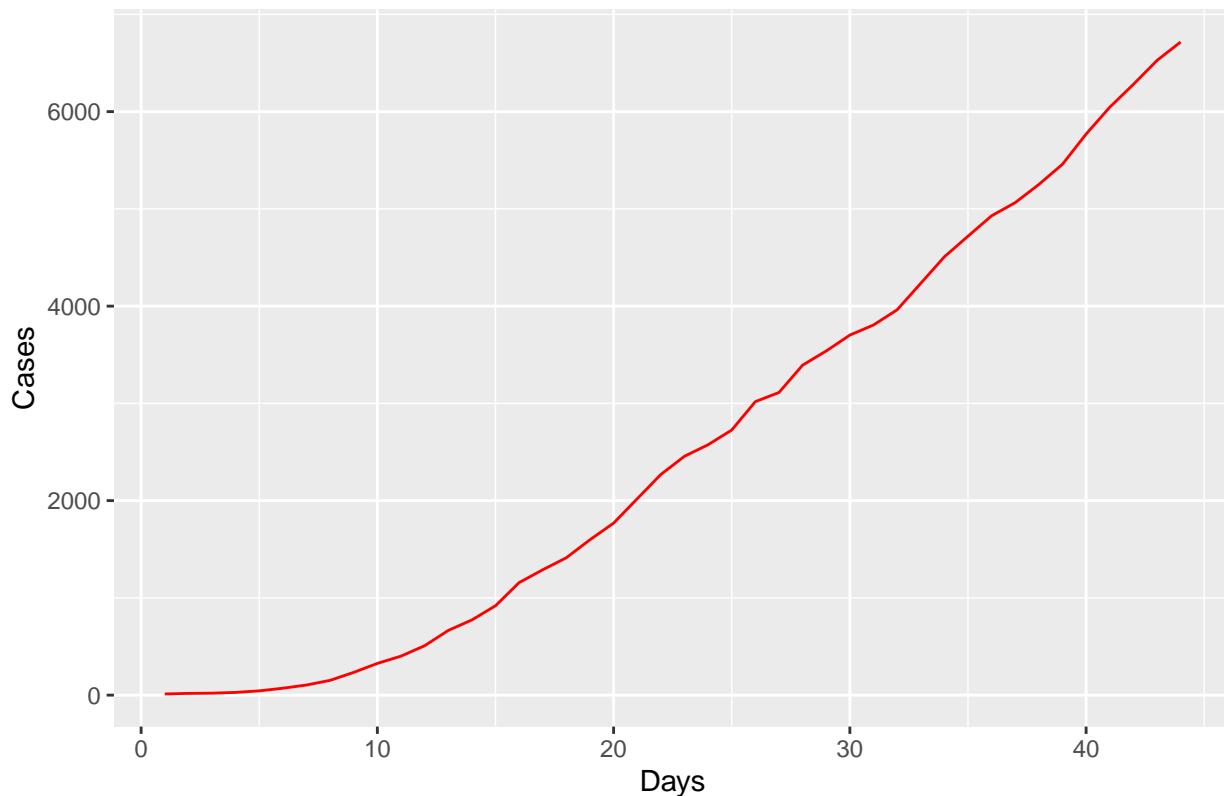
Arizona/US/India Corona Trends- 27th April 2020 with tomorrow's prediction

Whitchurch Muthumani

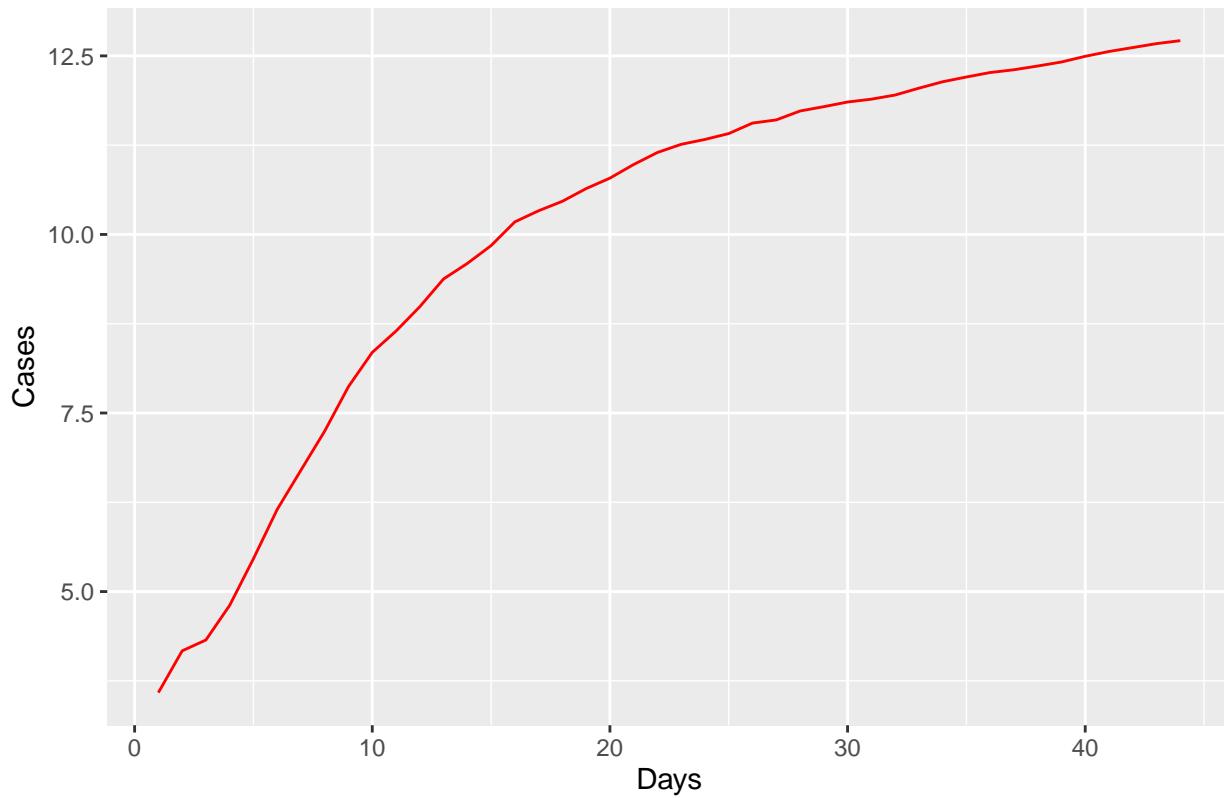
4/27/2020

Arizona Corona Dashboard

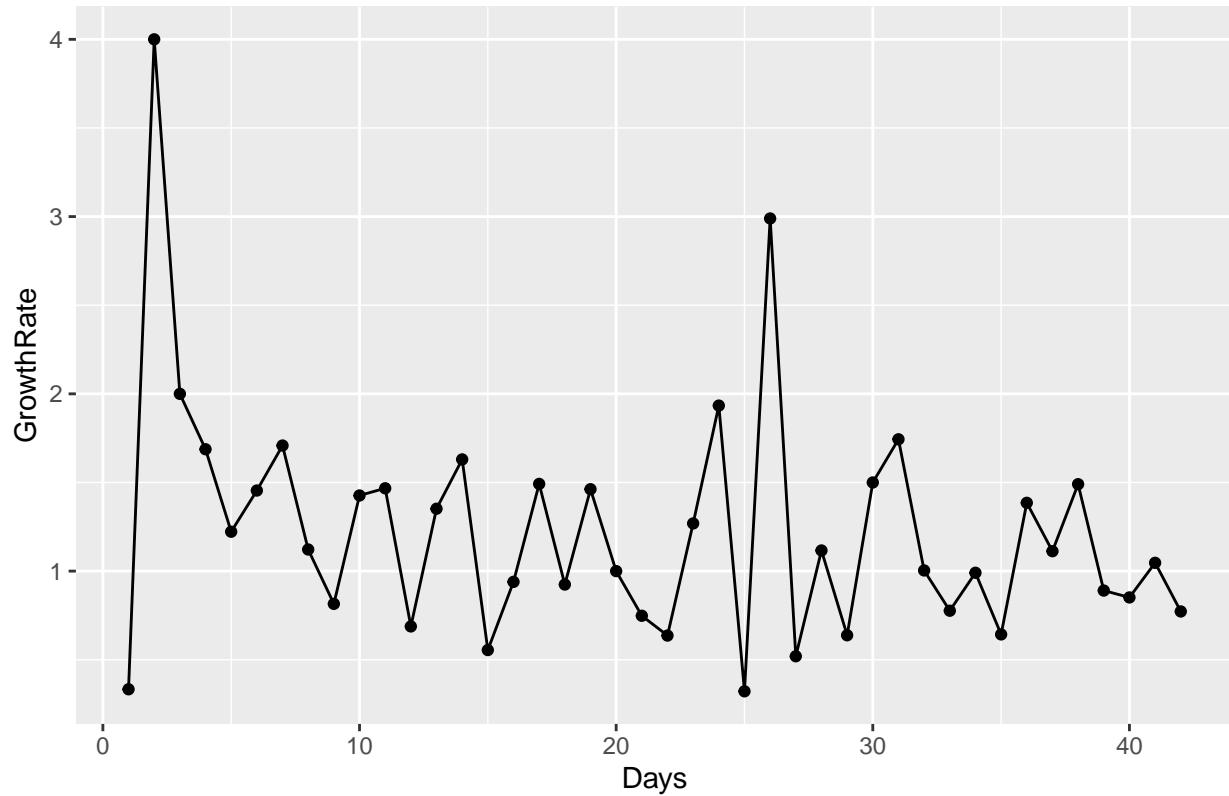
Arizona: Daily Cases



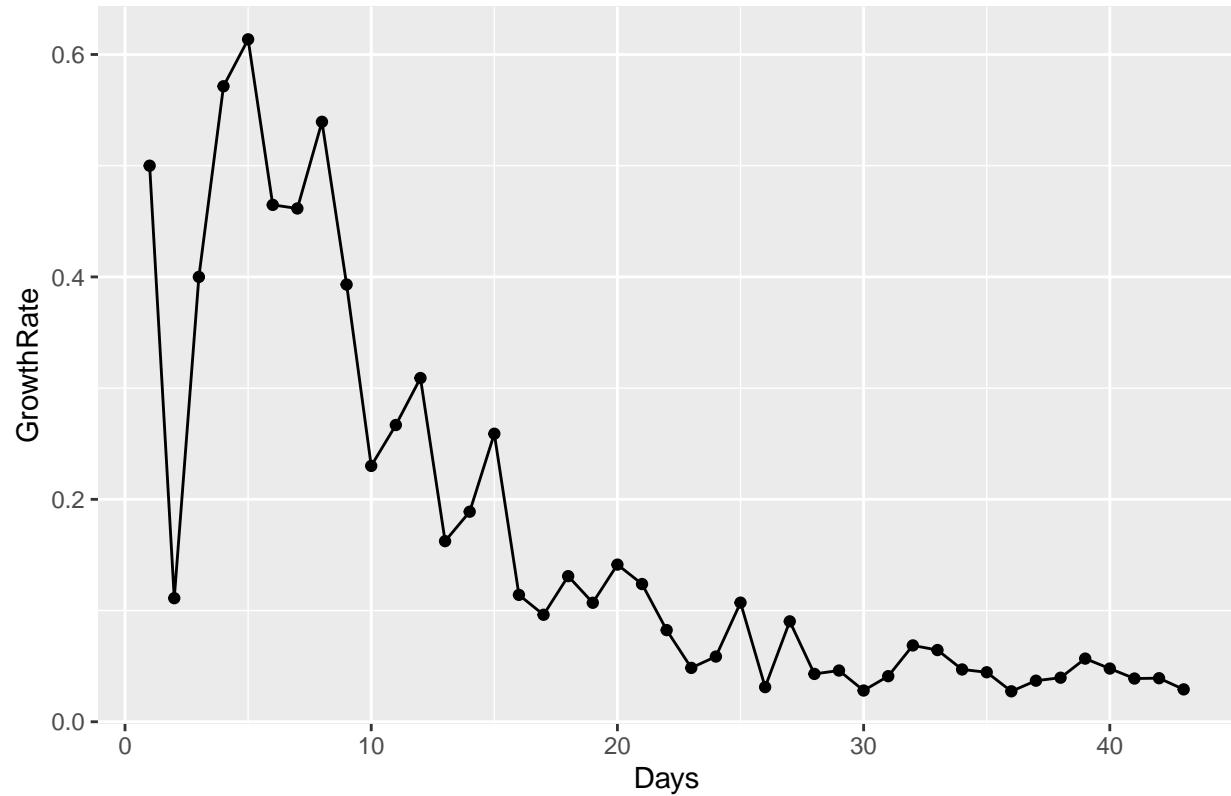
Arizona: Daily Cases



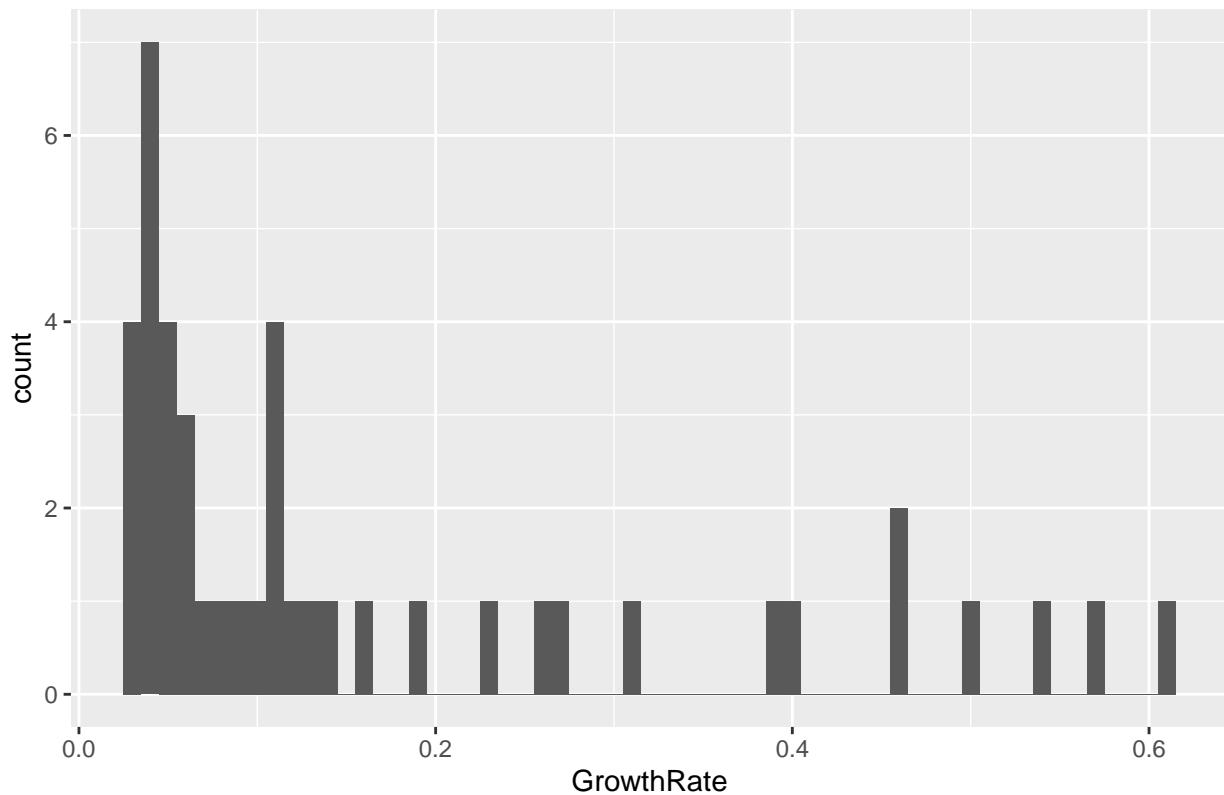
Arizona: Rate of change in Growth Rate



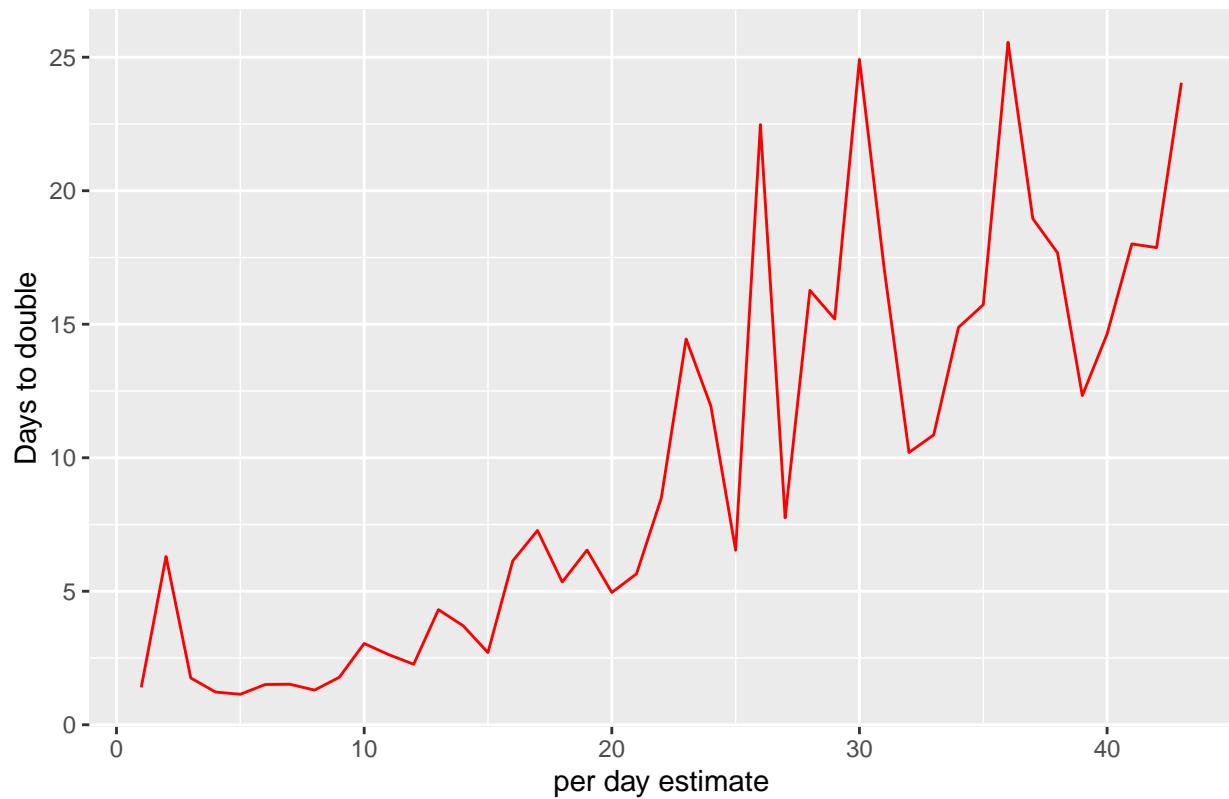
Arizona: Growth Rate



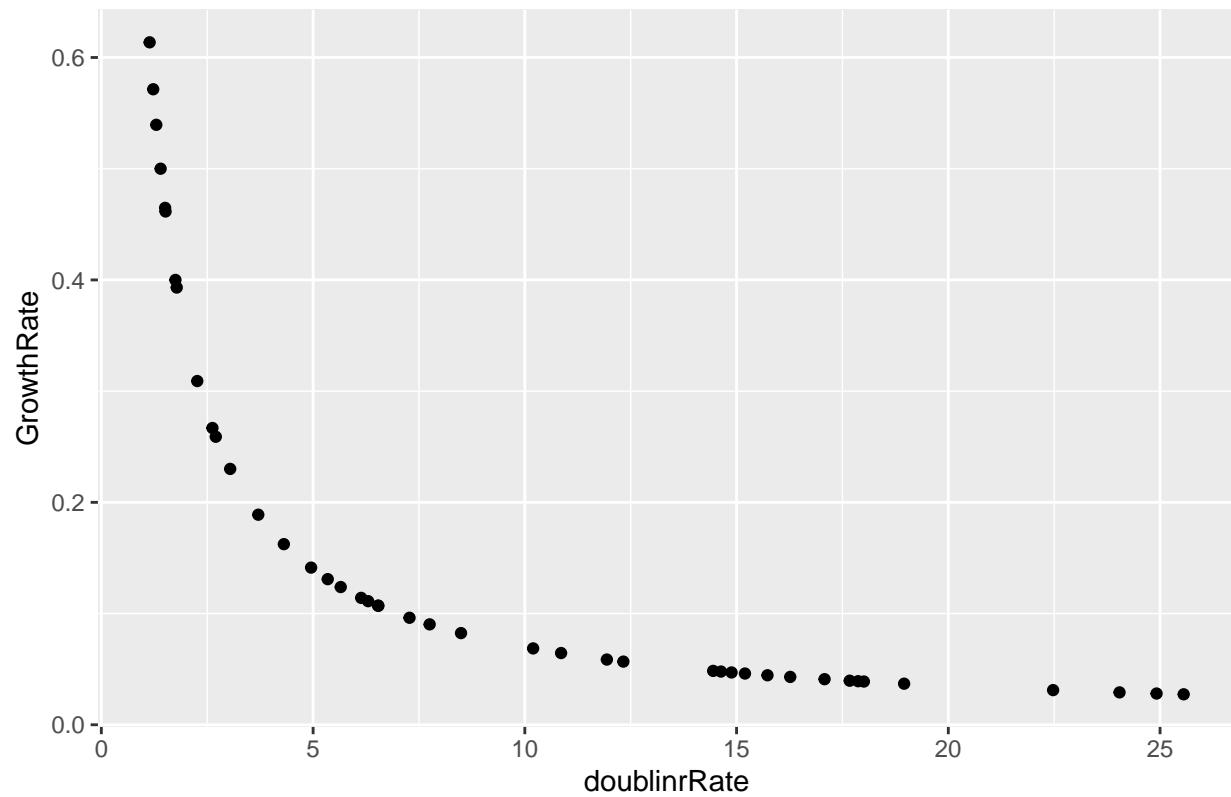
Histogram of GrowthRate



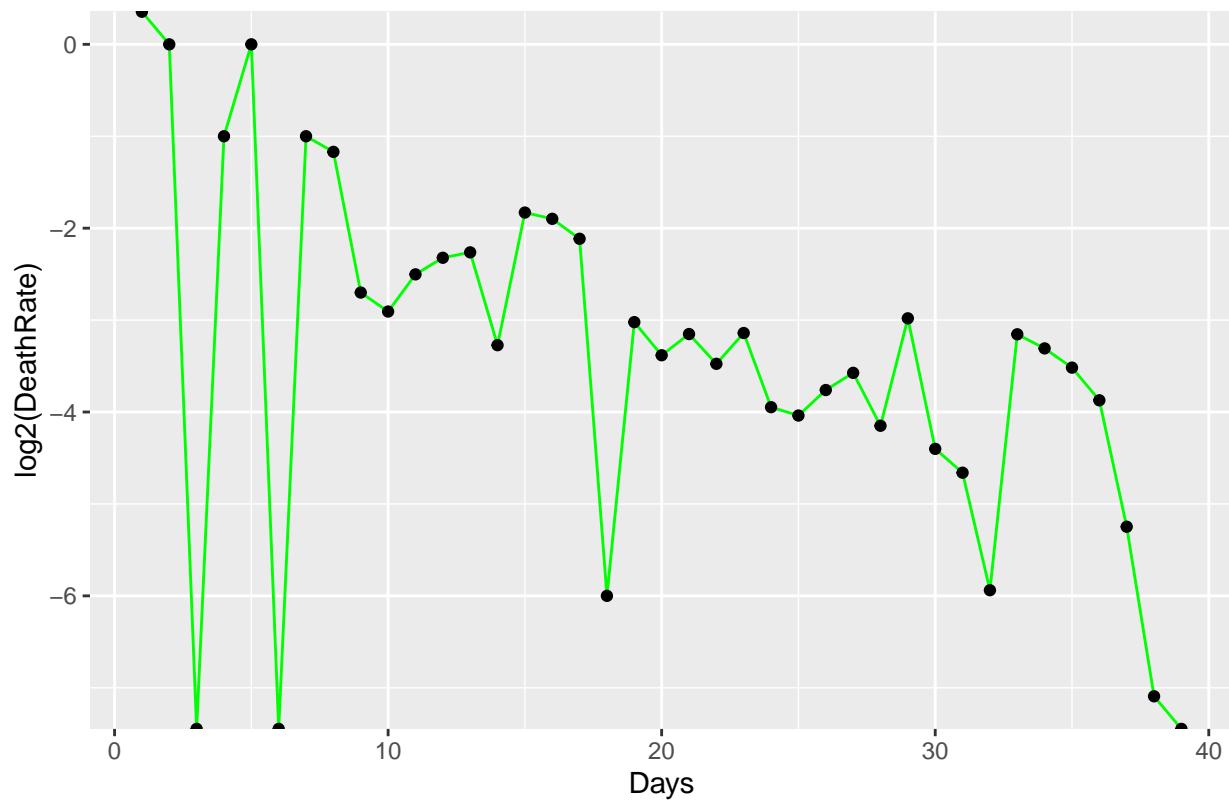
Doubling Rate in days



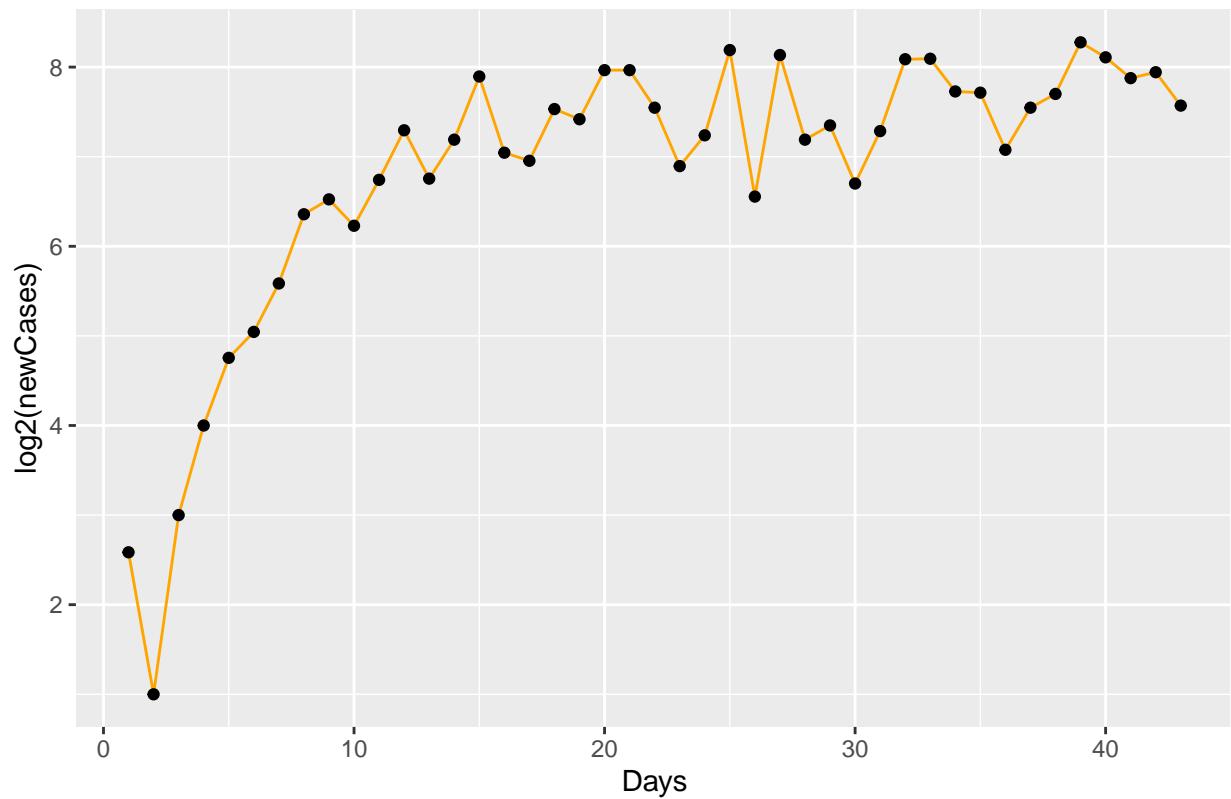
Doubling Rate vs Growth Rate



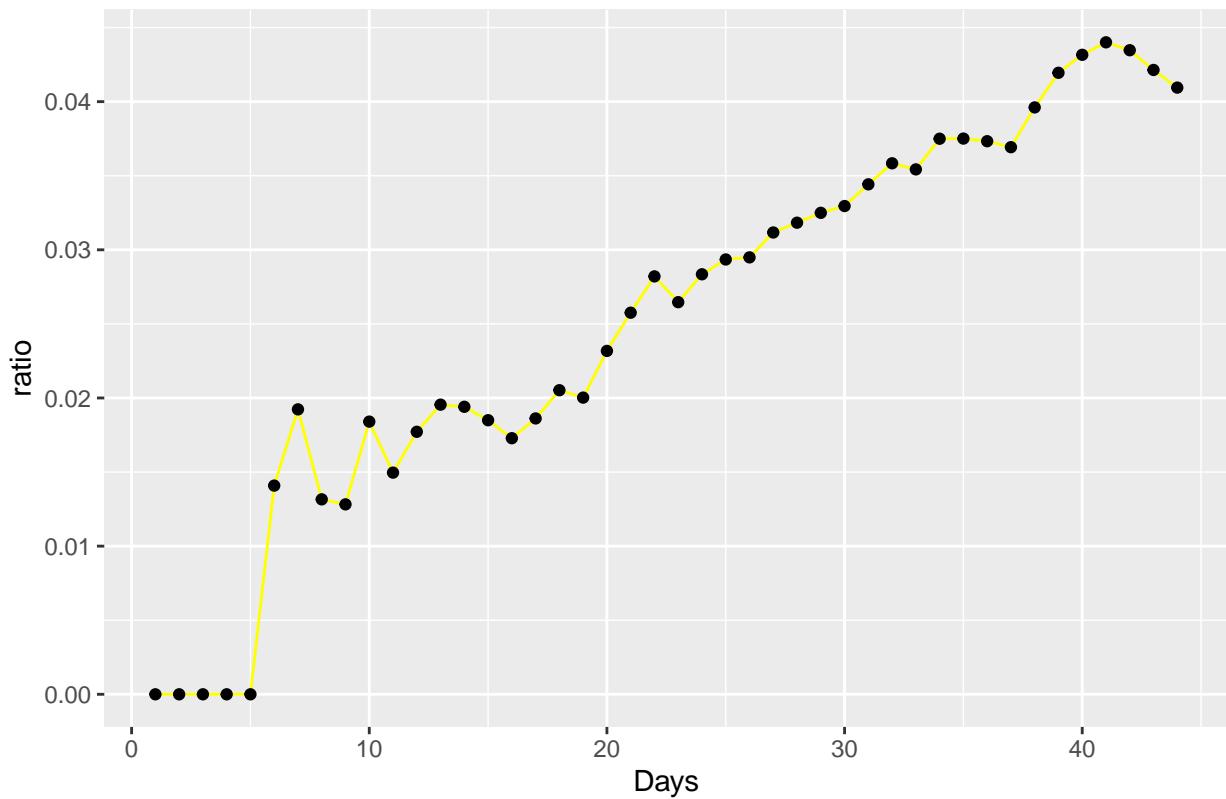
Arizona: Daily Death Rate



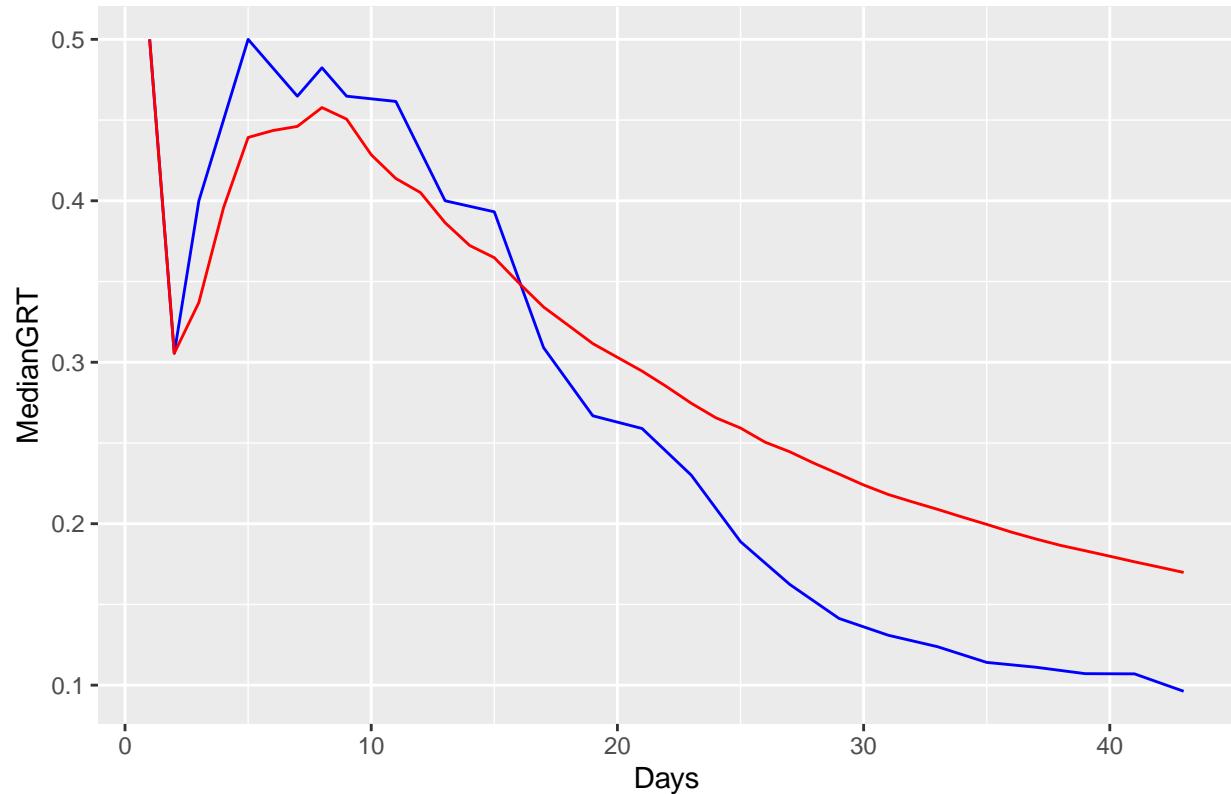
Arizona:newCases(Orange)



Arizona: TotalDeaths/TotalCases



Arizona Median(BLUE)VsMean(RED) Growth Rate

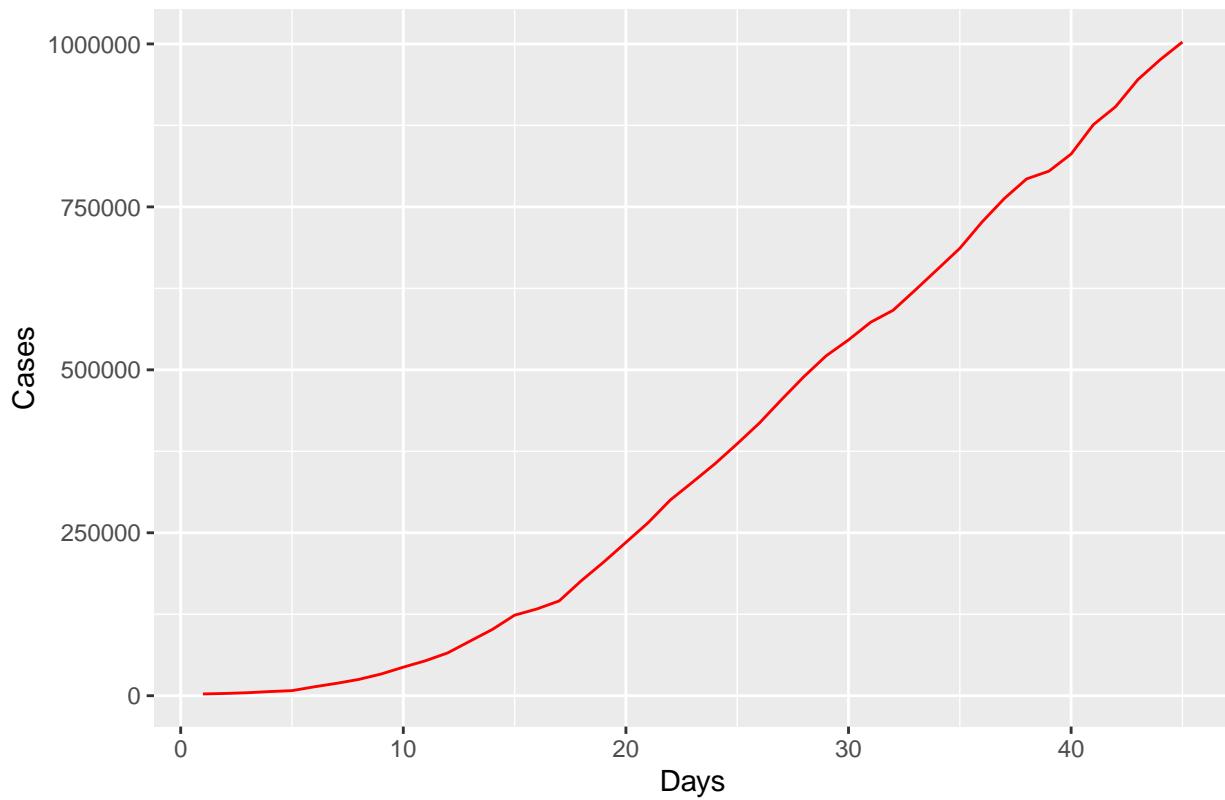


Results:

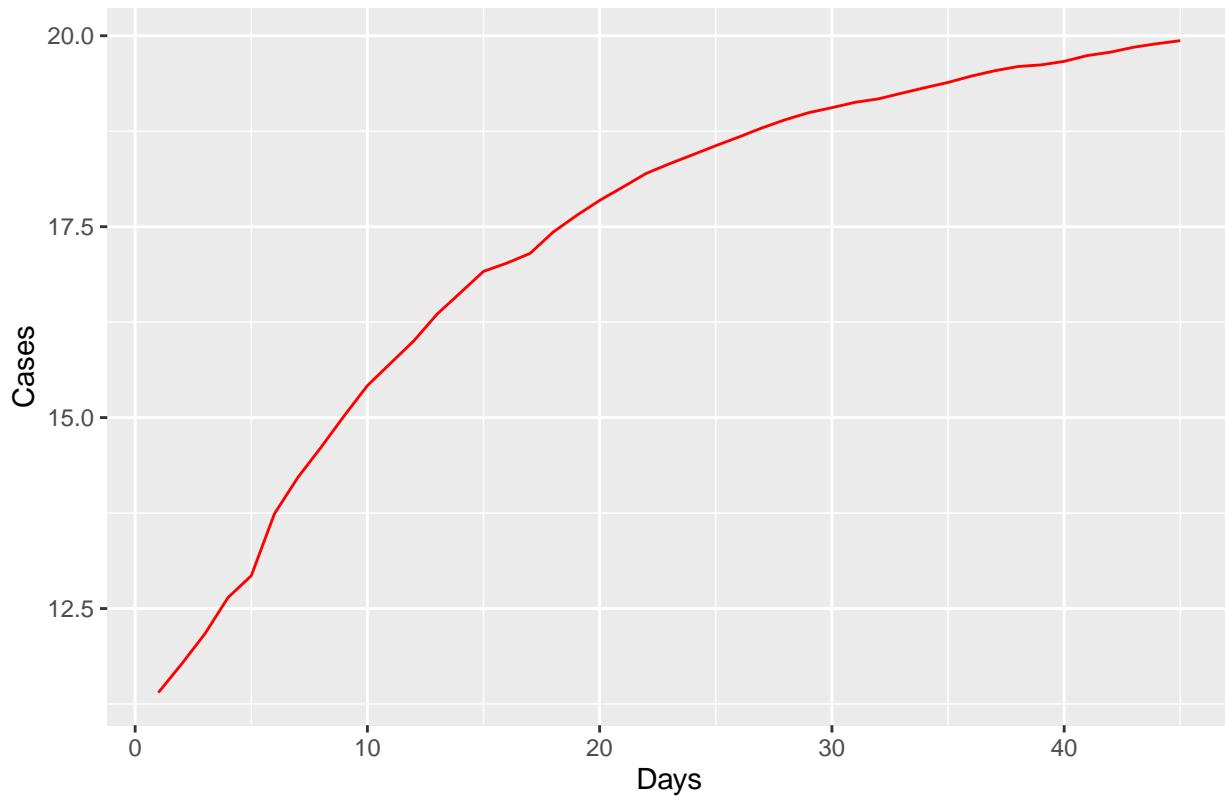
- Tomorrows predicted case number is between **6911.5317193** and **7856.3672518** cases.
- Current doubling rate is **24 days**
- Mean doubling rate, i.e number of cases doubles every **4 days**.
- Median doubling rate, i.e number of cases doubles every **7 days**.
- Latest Observed Growth Rate **2.9114312** percent.
- Mean Growth Rate: **16.9798578** percent.
- Median Growth Rate: **9.6198604** percent.
- Standard deviation: +/- **17.3275466**.

US Corona Dashboard

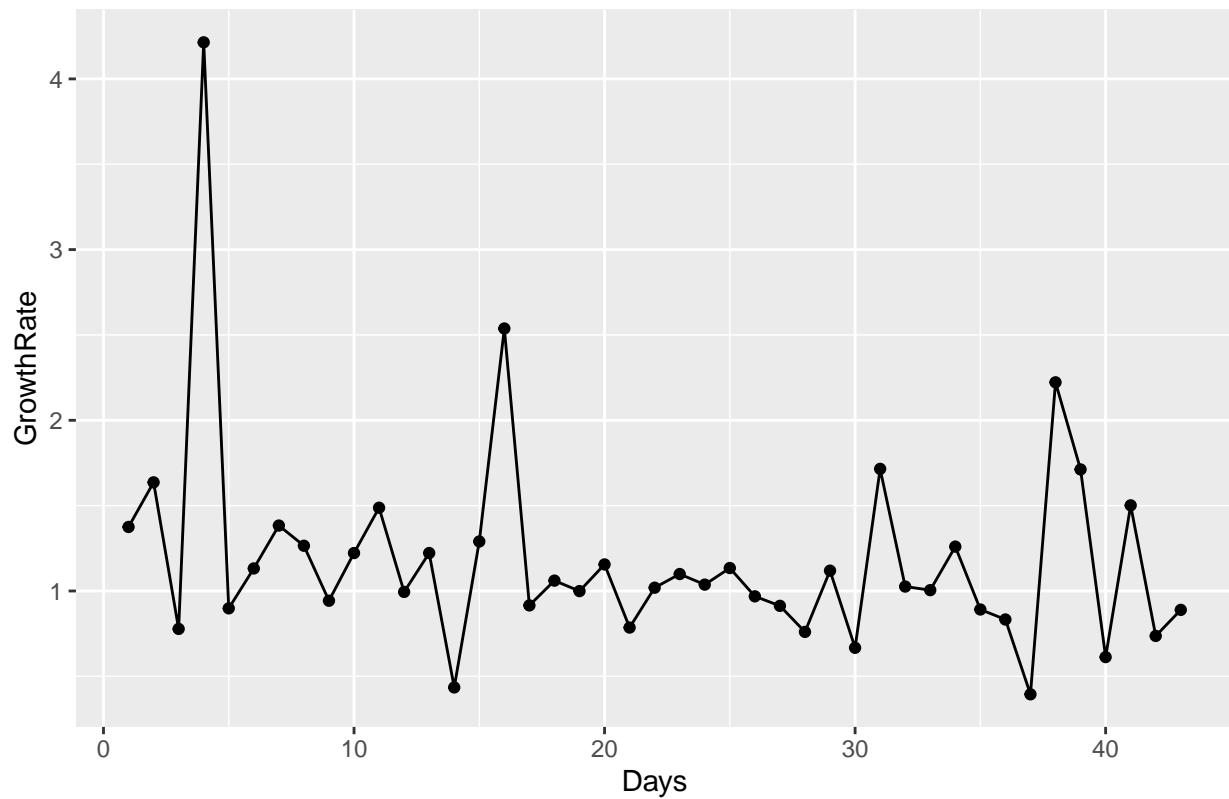
US: Daily Cases



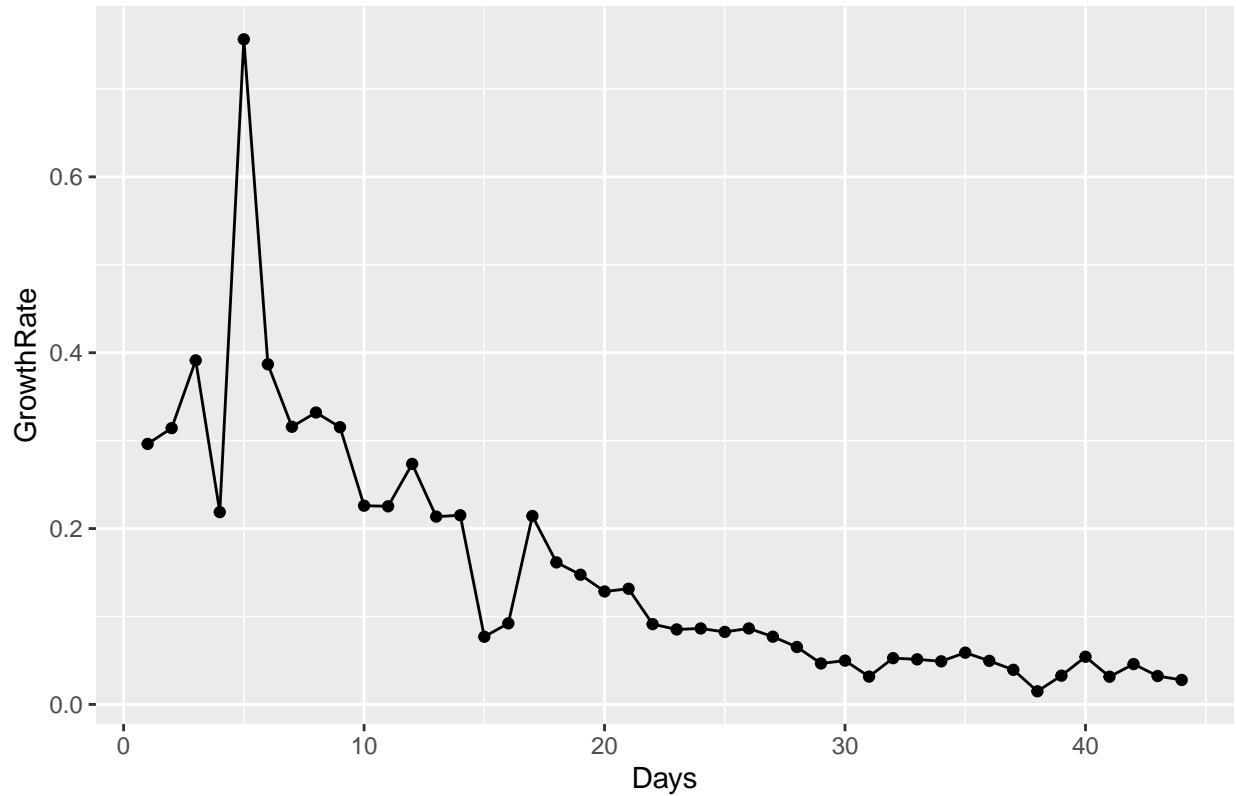
US: Daily Cases



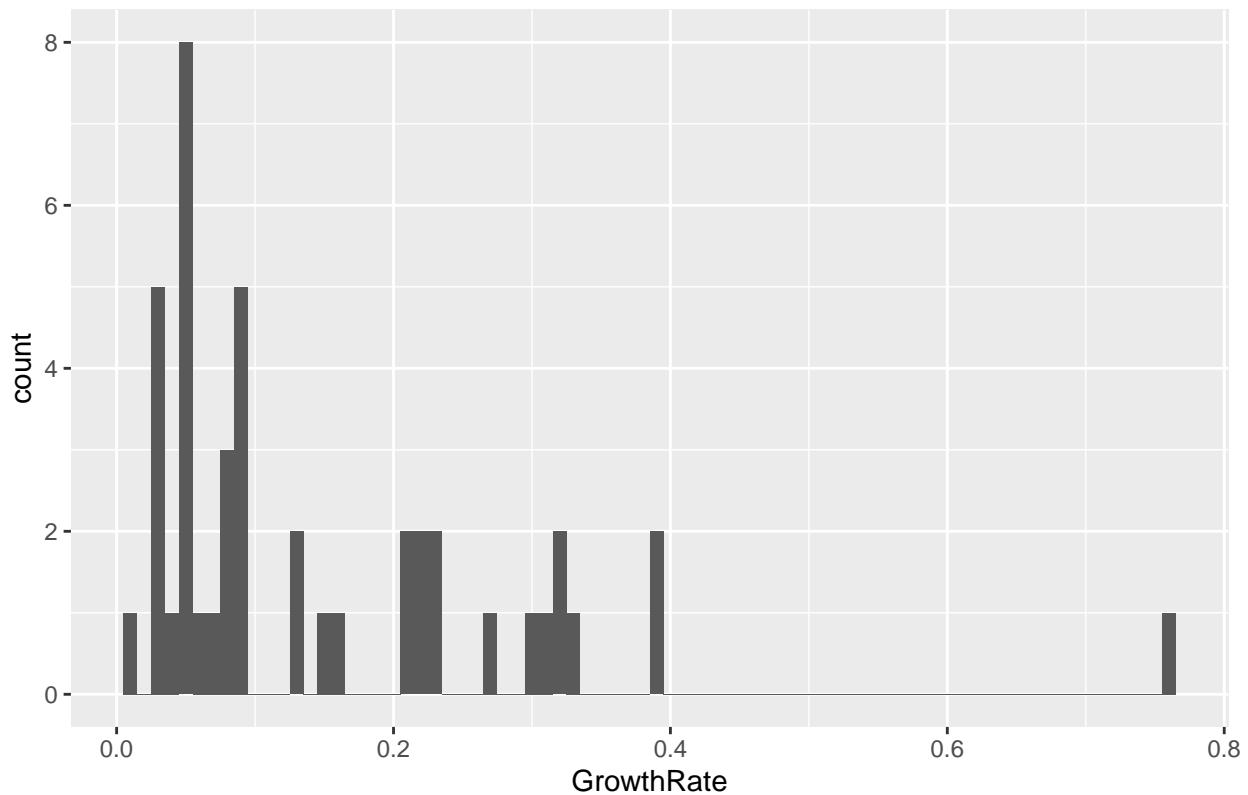
US: Rate of change in Growth Rate



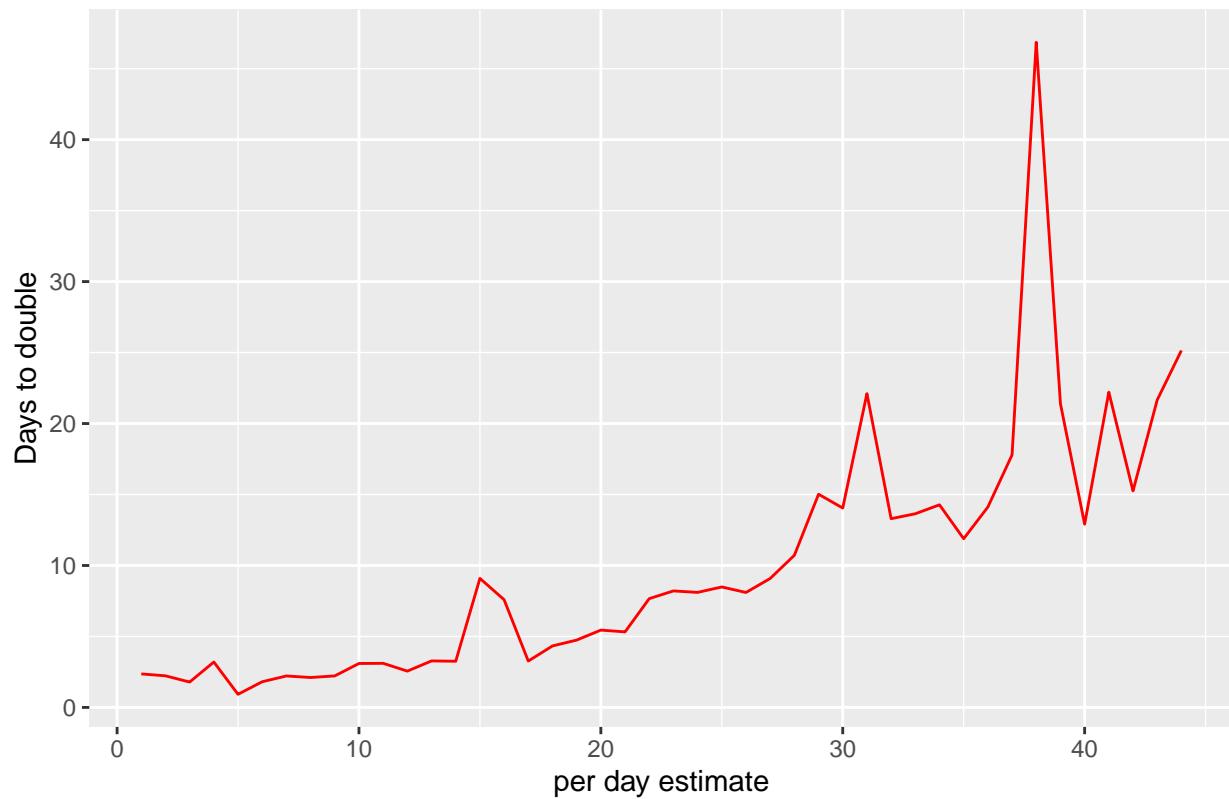
US: Growth Rate



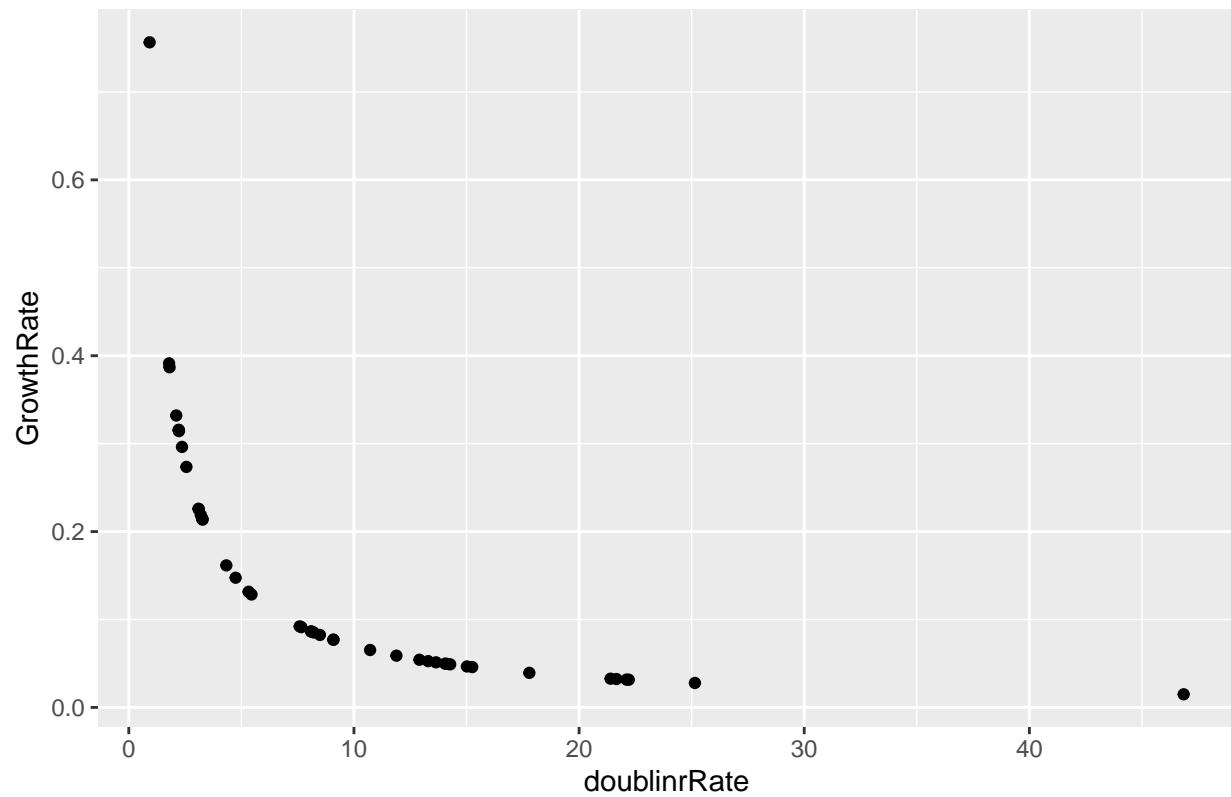
Histogram of GrowthRate



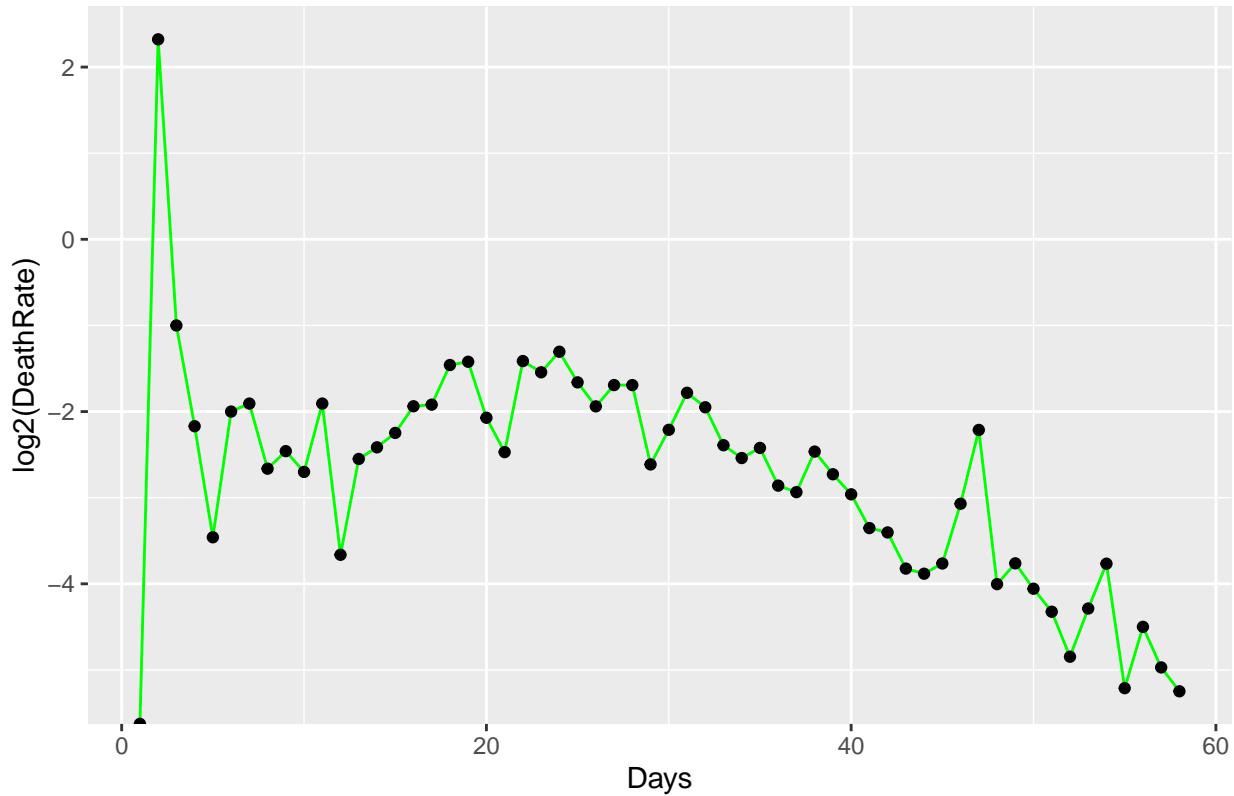
Doubling Rate in days



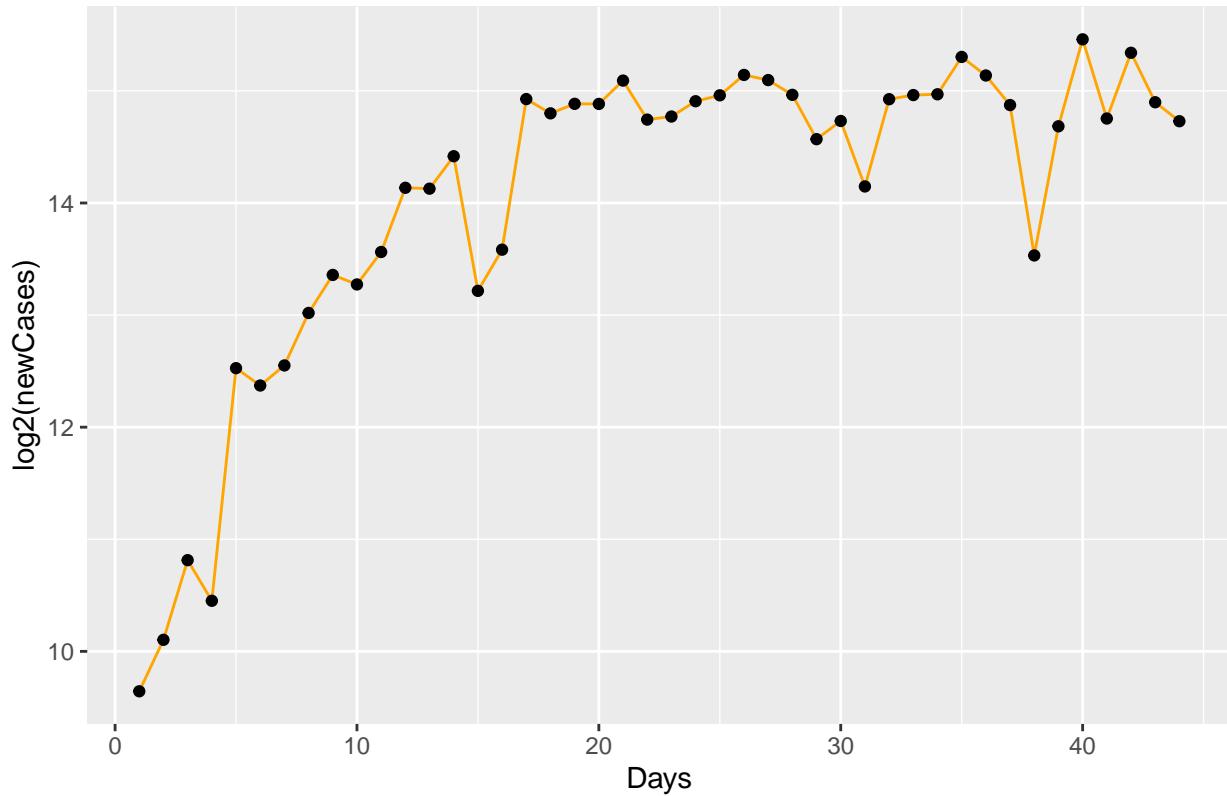
Doubling Rate vs Growth Rate



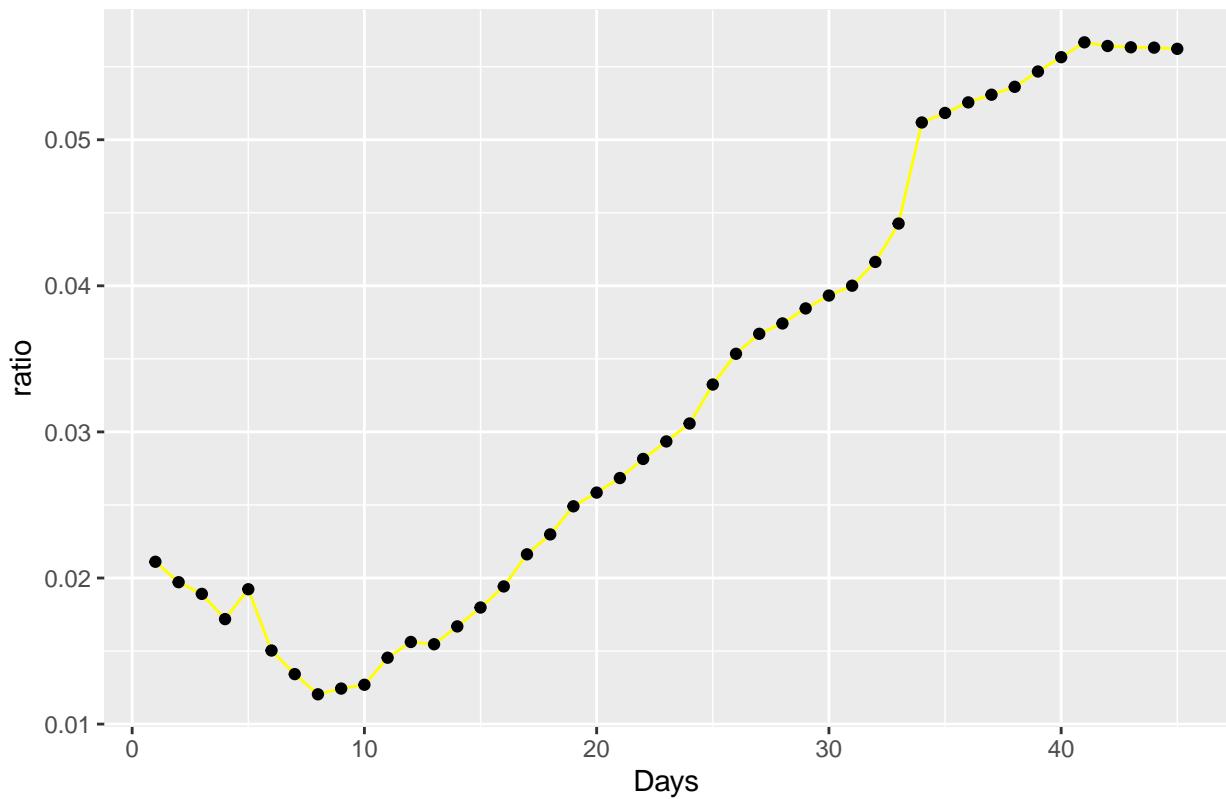
US: Daily Death Rate



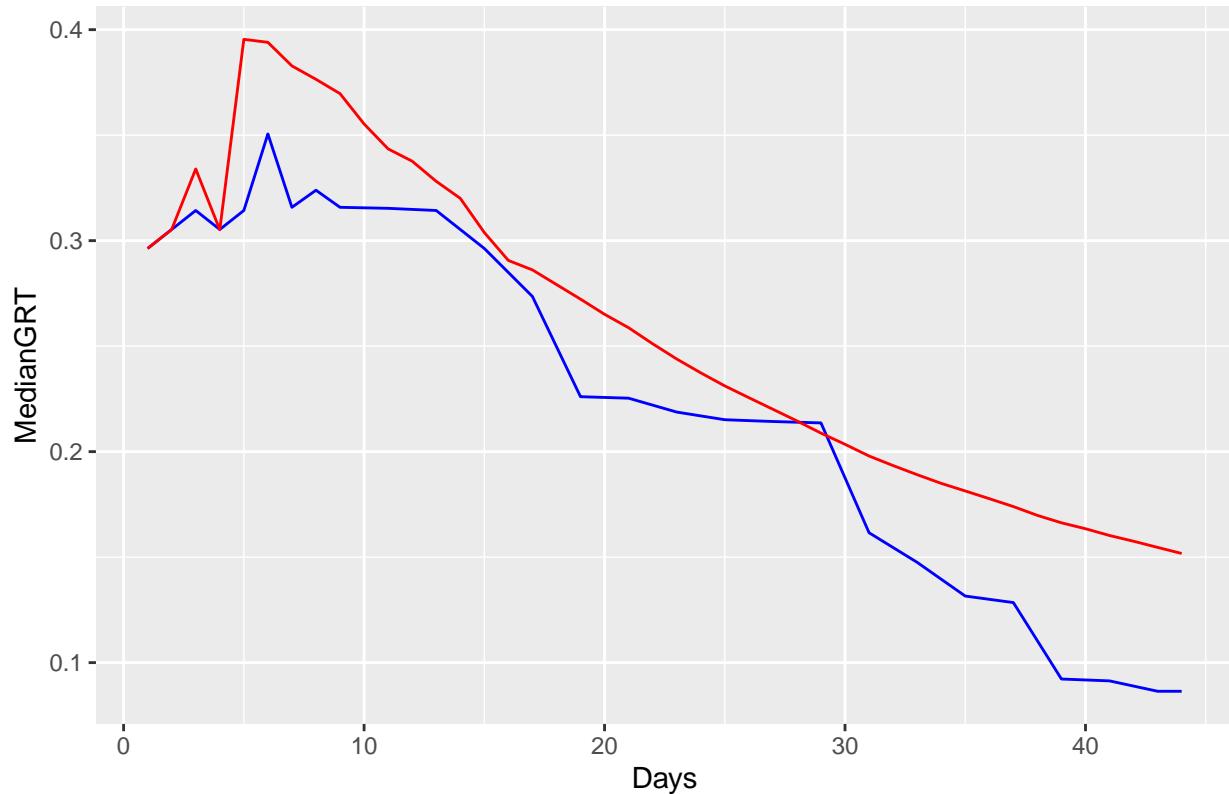
US:newCases(Orange)



US: TotalDeaths/TotalCases



US Median(BLUE)VsMean(RED) Growth Rate

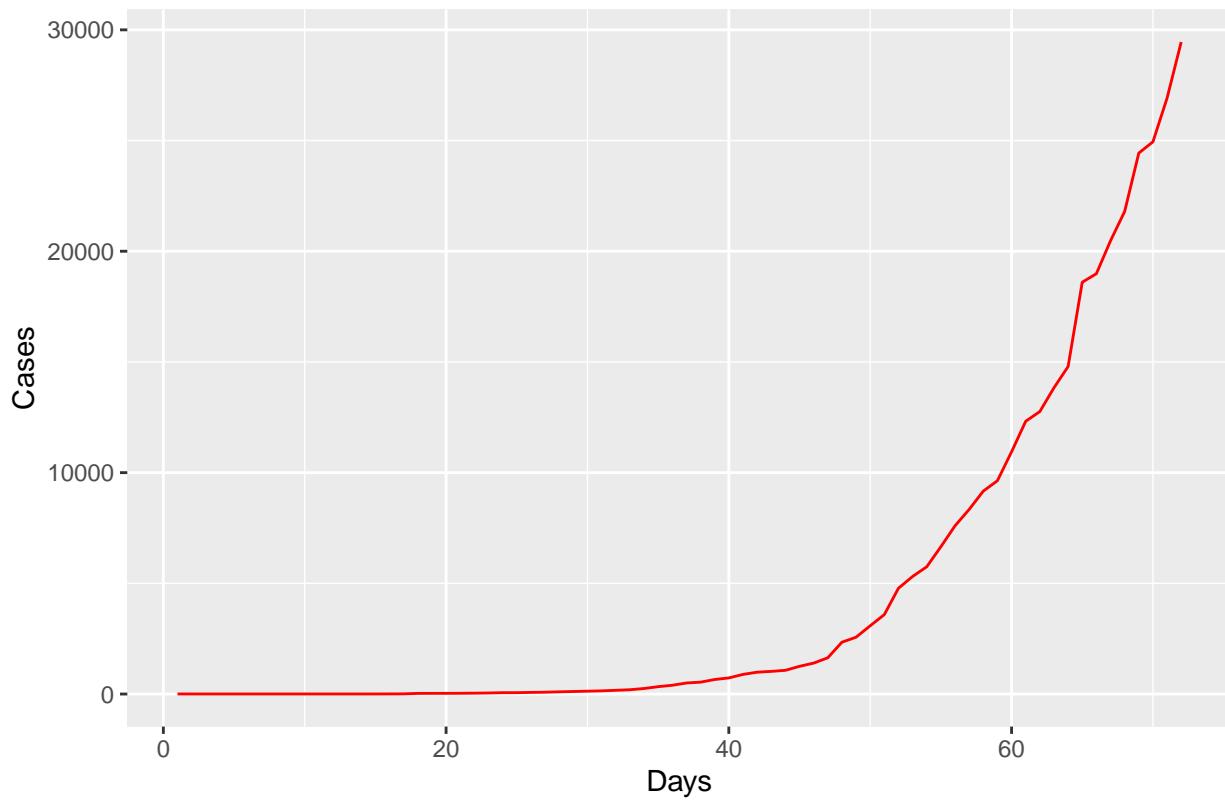


Results:

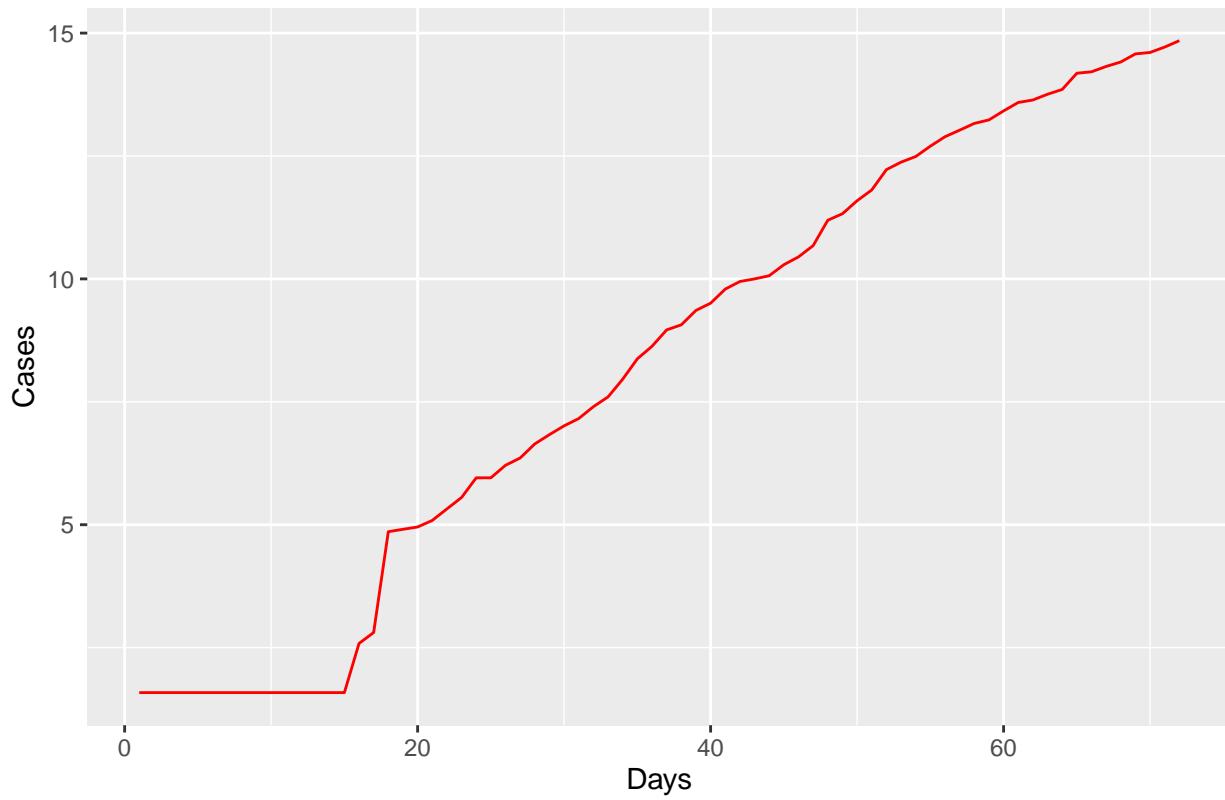
- Tomorrows predicted case number is between 1.0308842×10^6 and 1.1551363×10^6 cases.
- Current doubling rate is **25 days**
- Mean doubling rate, i.e number of cases doubles every **5 days**.
- Median doubling rate, i.e number of cases doubles every **8 days**.
- Latest Observed Growth Rate **2.7838754** percent.
- Mean Growth Rate: **15.1723762** percent.
- Median Growth Rate: **8.6401833** percent.
- Standard deviation: +/- **14.4197873**.

India Corona Dashboard

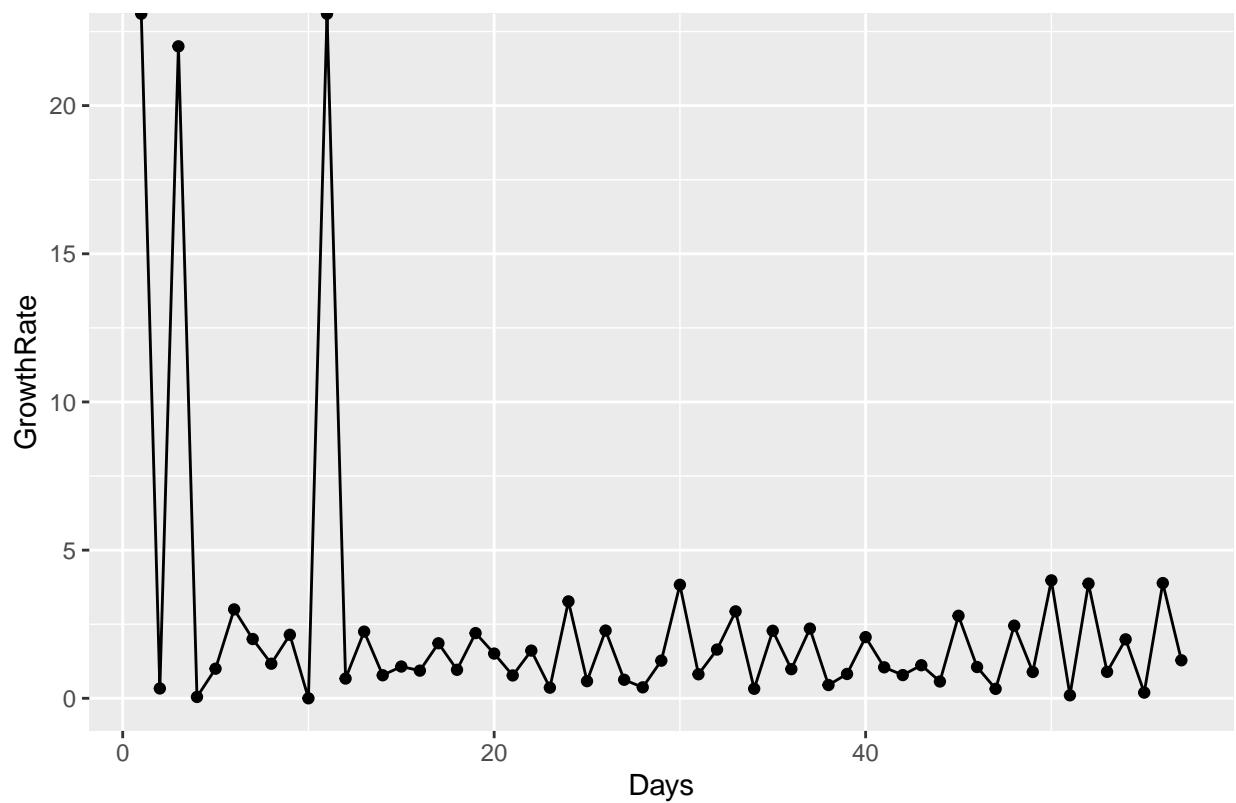
India: Daily Cases



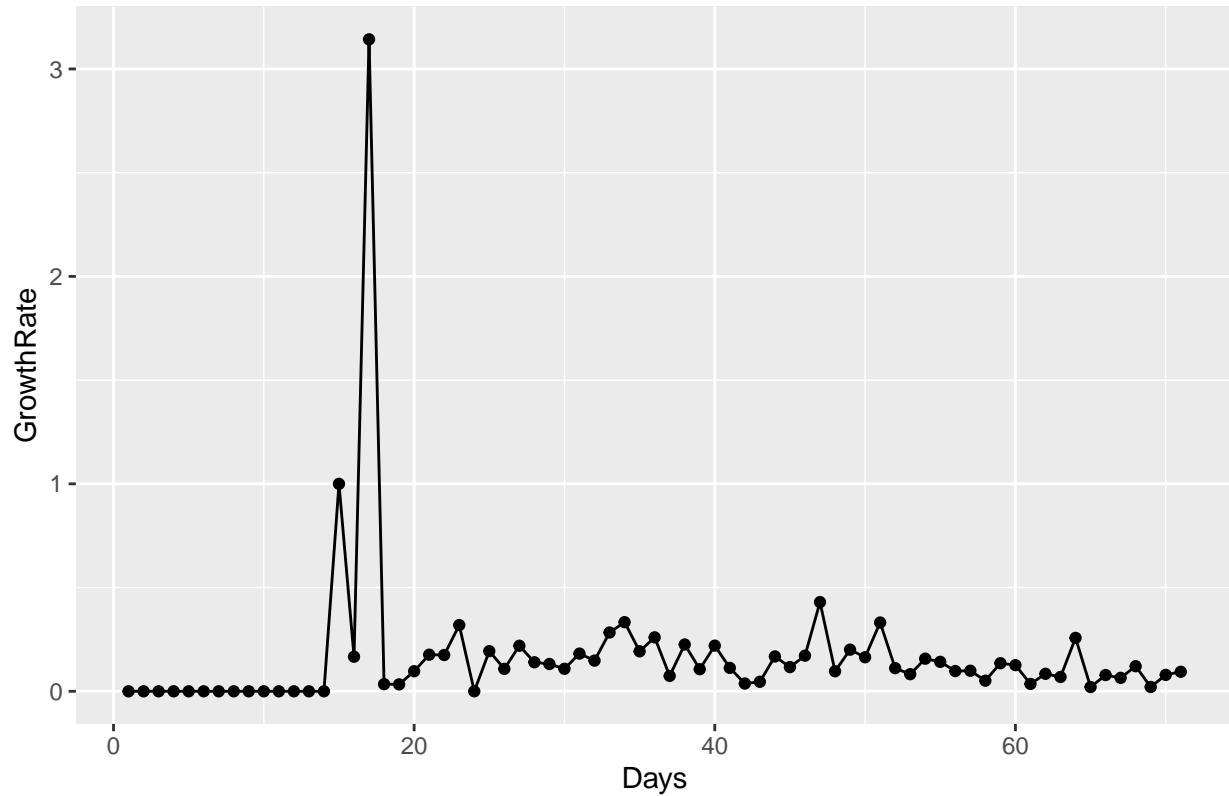
India: Daily Cases



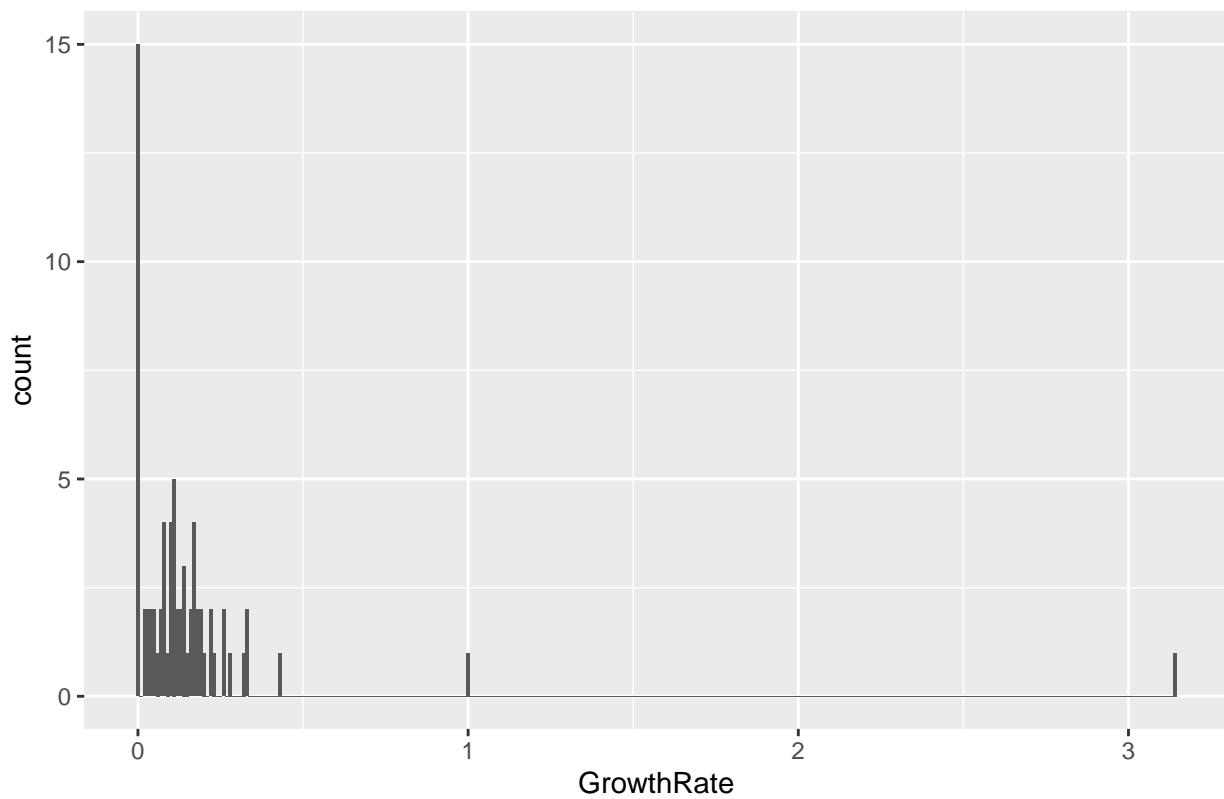
US: Rate of change in Growth Rate



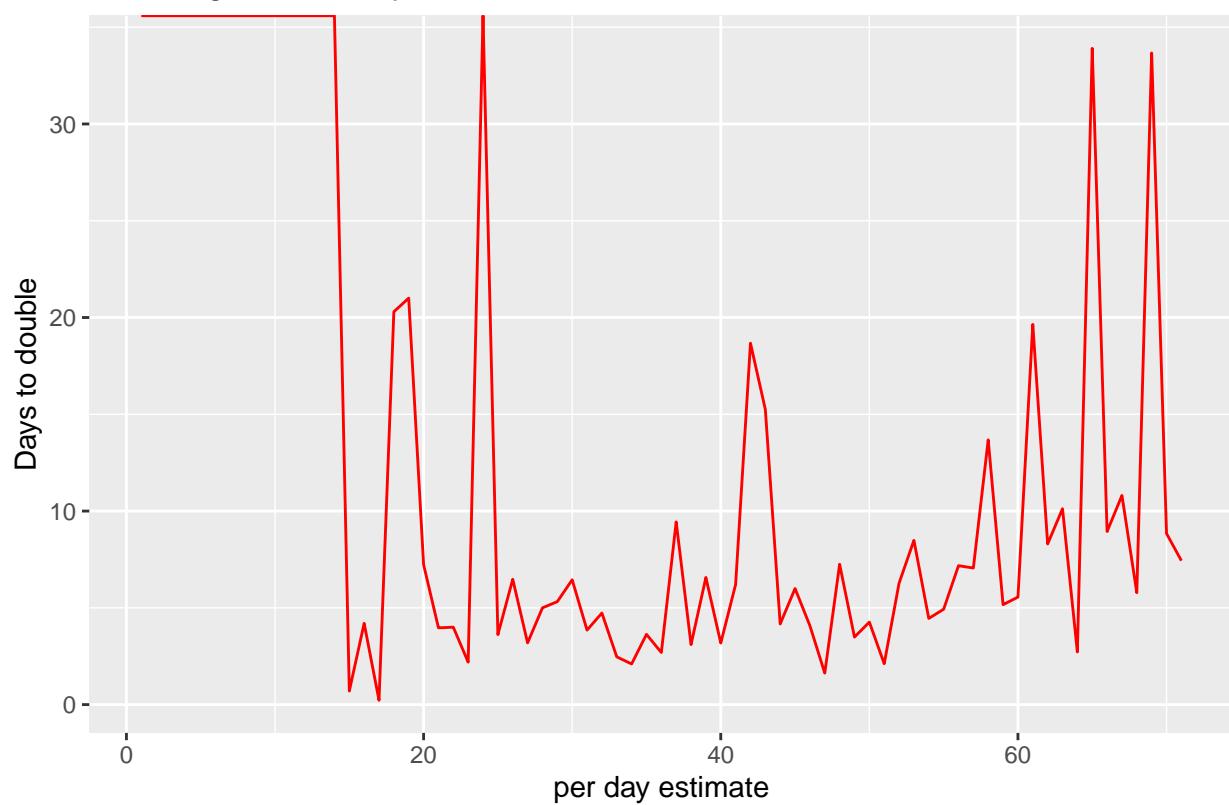
India: Growth Rate



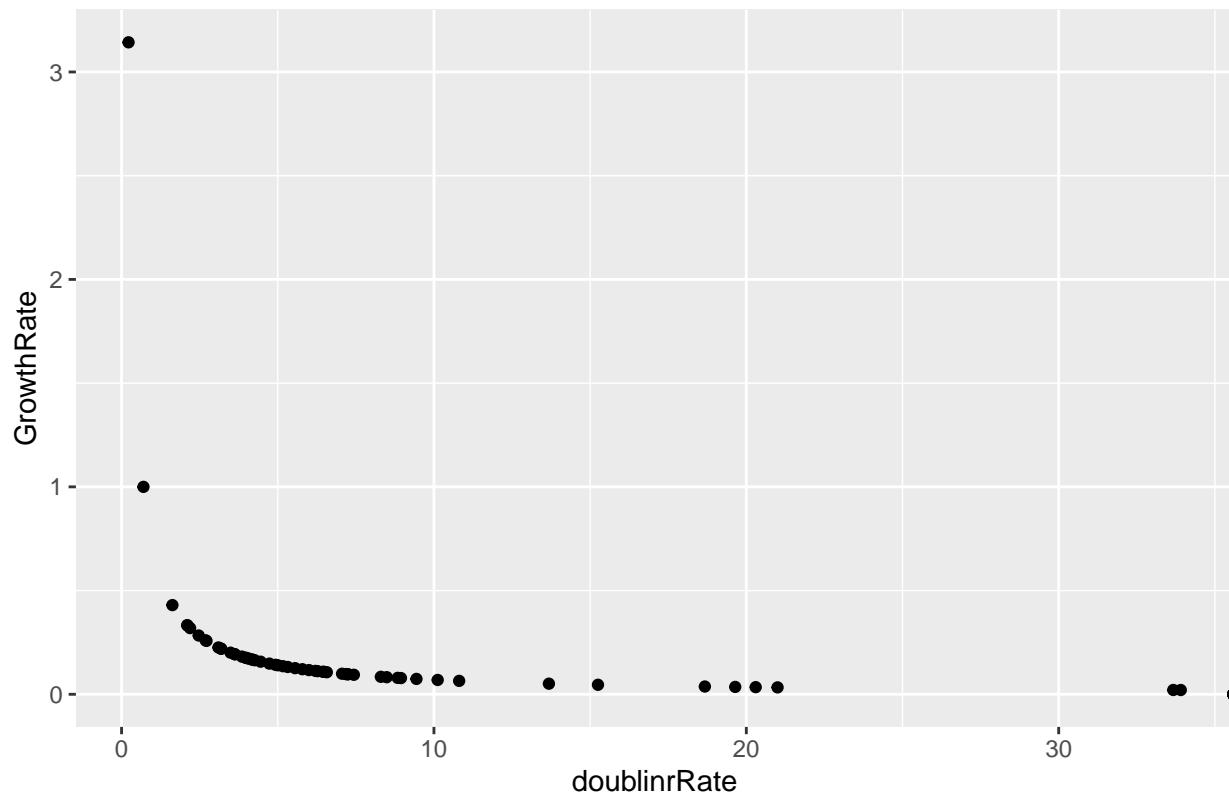
Histogram of GrowthRate



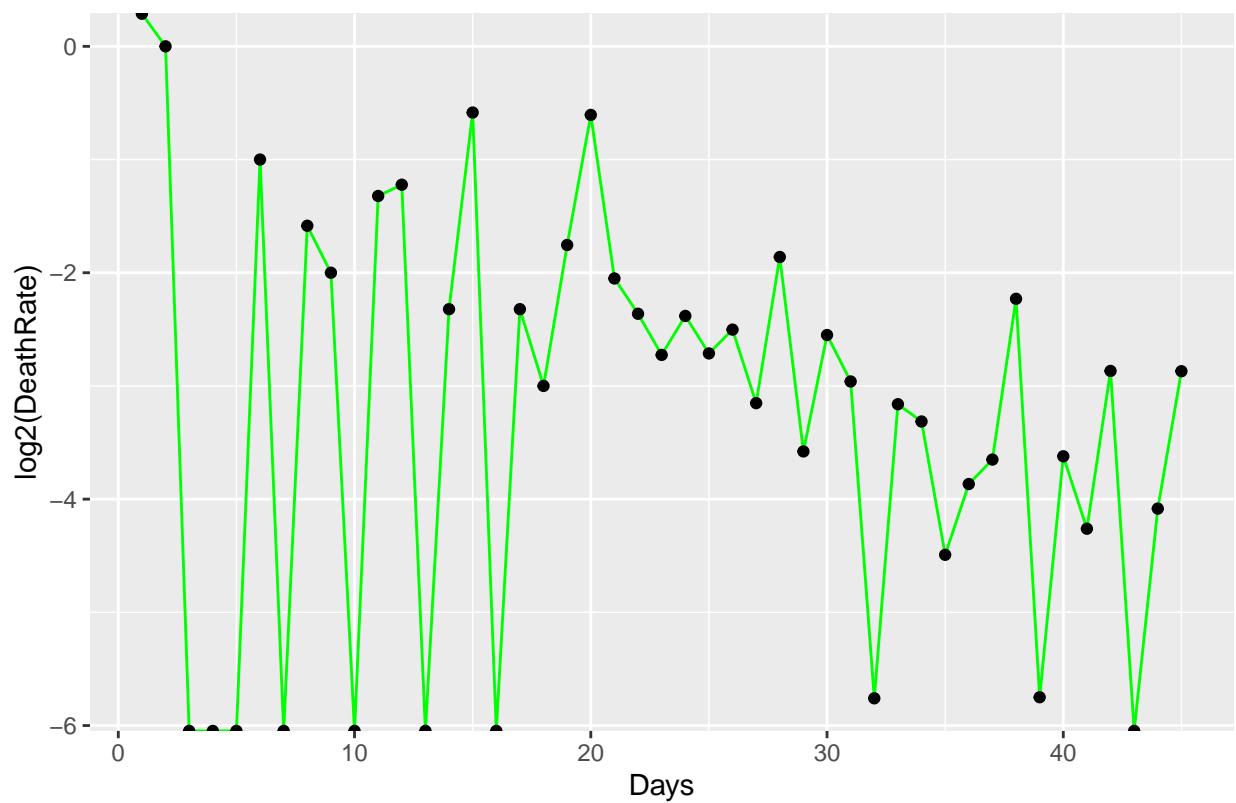
Doubling Rate in days



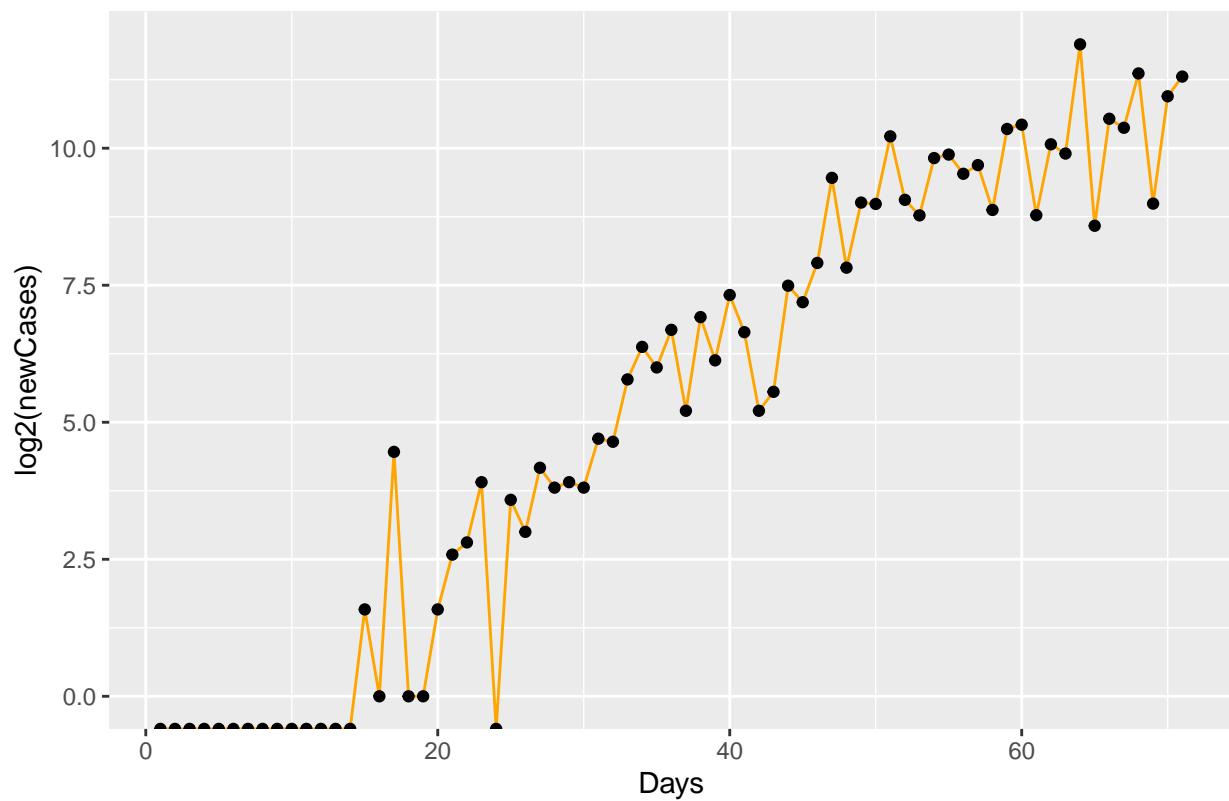
Doubling Rate vs Growth Rate



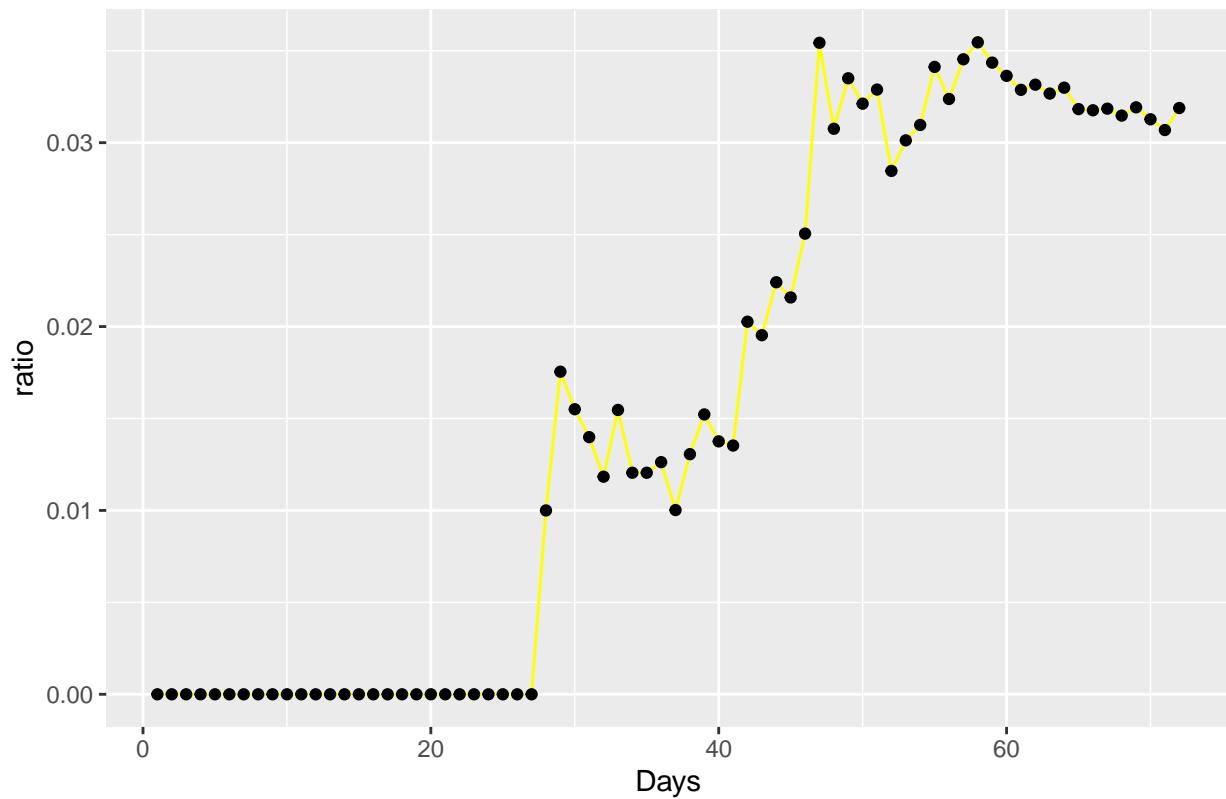
India: Daily Death Rate



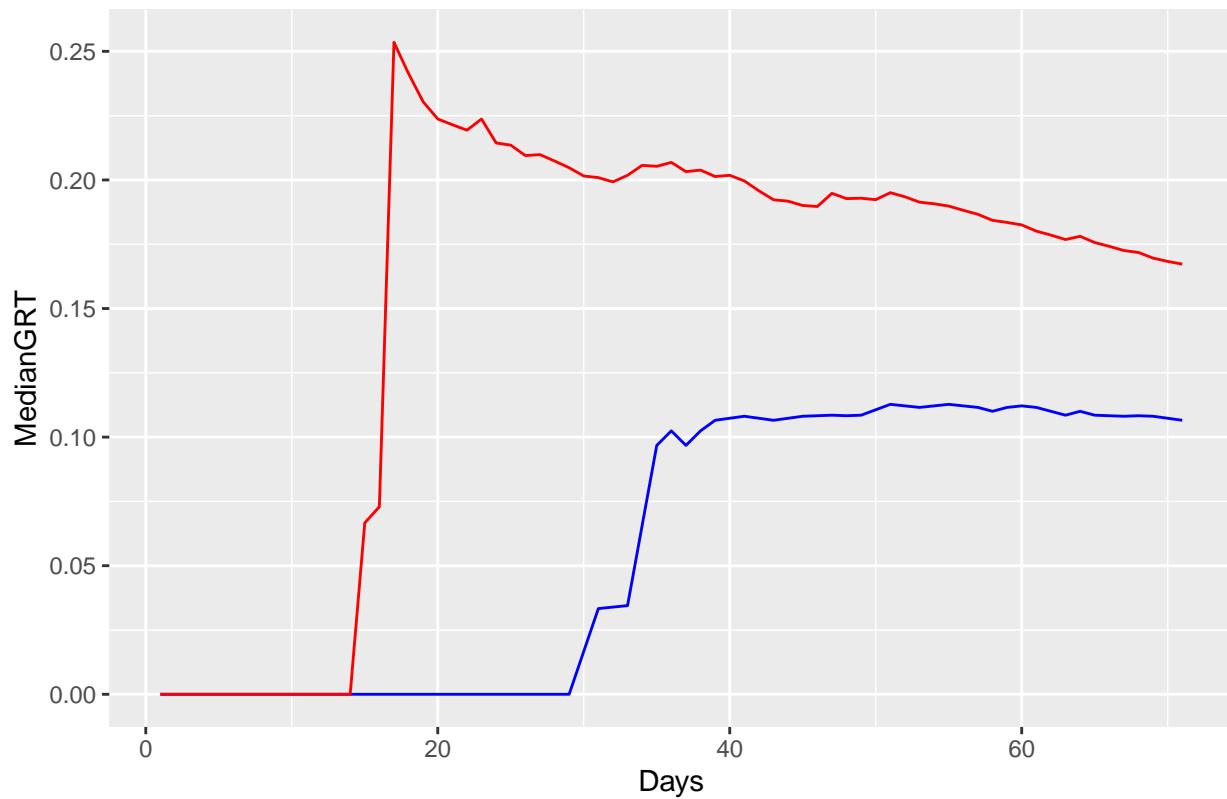
India:newCases(Orange)



India: TotalDeaths/TotalCases



India Median(BLUE)VsMean(RED) Growth Rate



Results:

- Tomorrows predicted case number is between 3.2223554×10^4 and 3.4377171×10^4 cases.
- Current doubling rate is **7 days**
- Mean doubling rate, i.e number of cases doubles every **4 days**.
- Median doubling rate, i.e number of cases doubles every **7 days**.
- Latest Observed Growth Rate **9.4141249** percent.
- Mean Growth Rate: **16.7266664** percent.
- Median Growth Rate: **10.6544901** percent.
- Standard deviation: +/- **38.5589559**.