

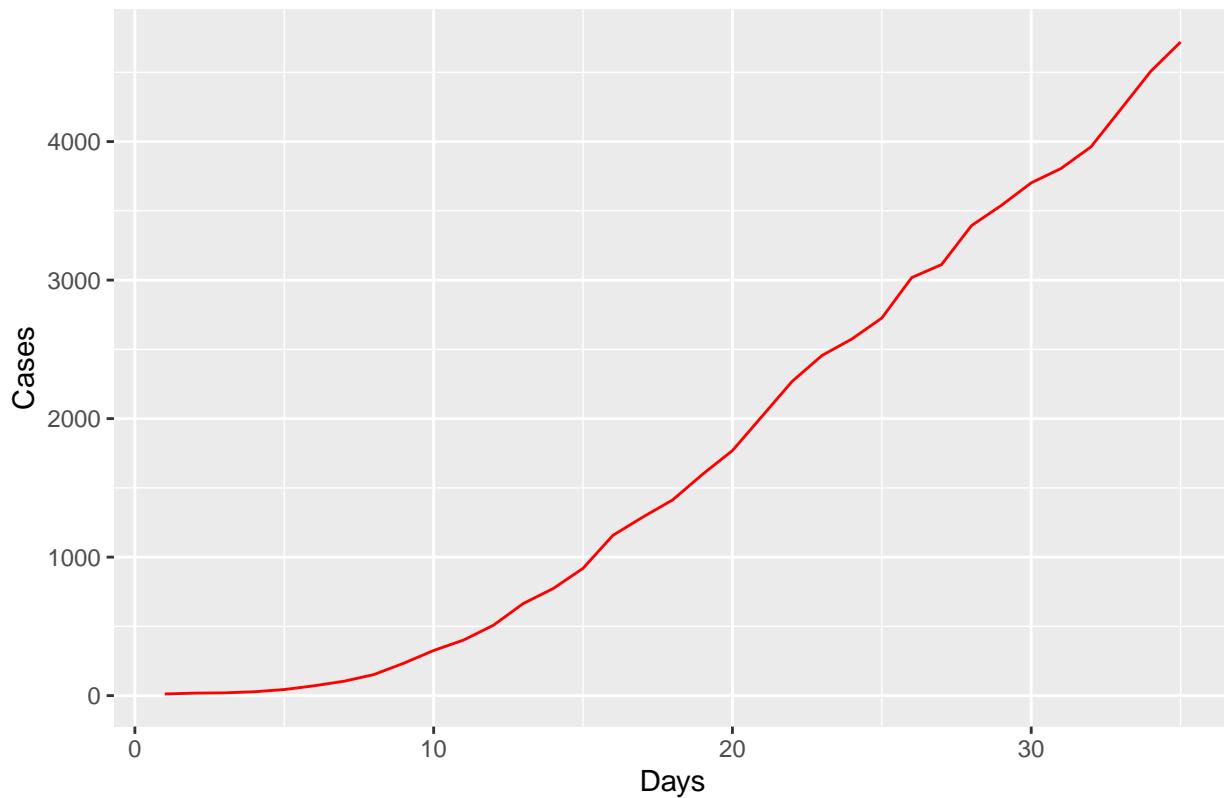
Arizona/US/India Corona Trends- 18th April 2020 with tomorrow's prediction

Whitchurch Muthumani

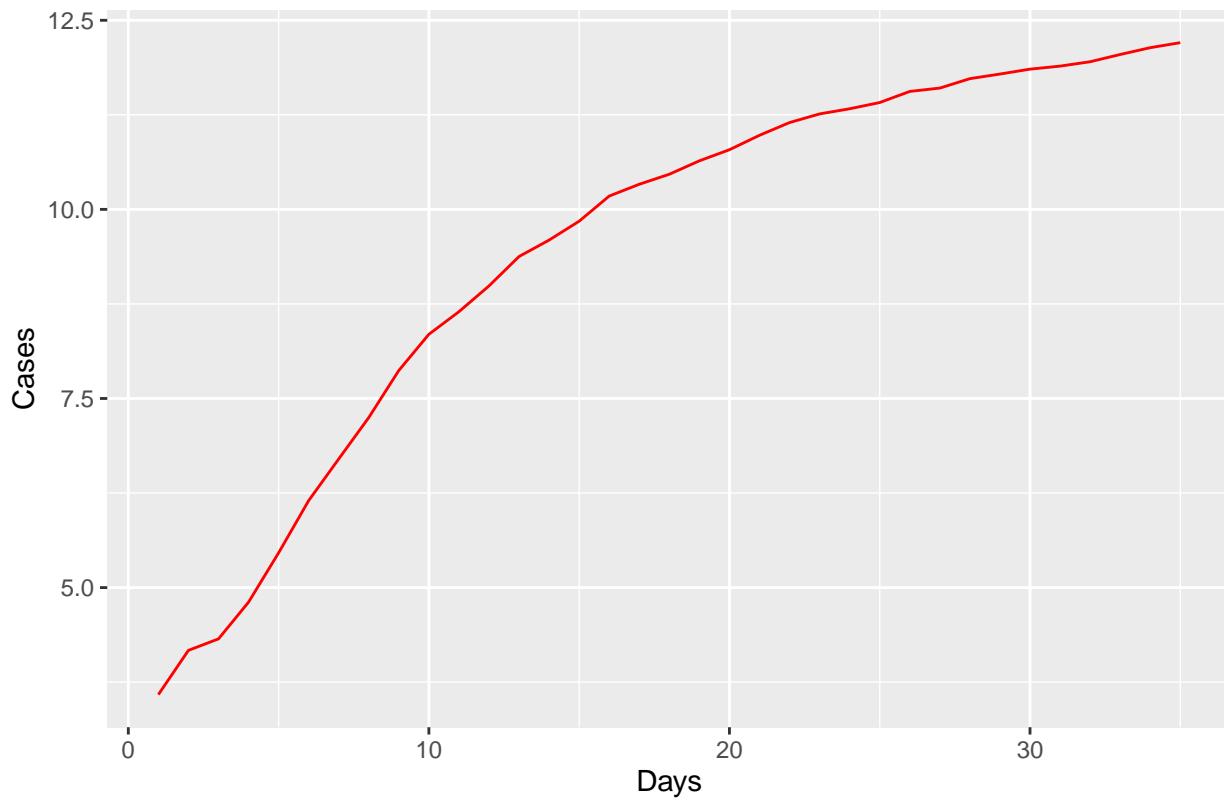
4/18/2020

Arizona Corona Dashboard

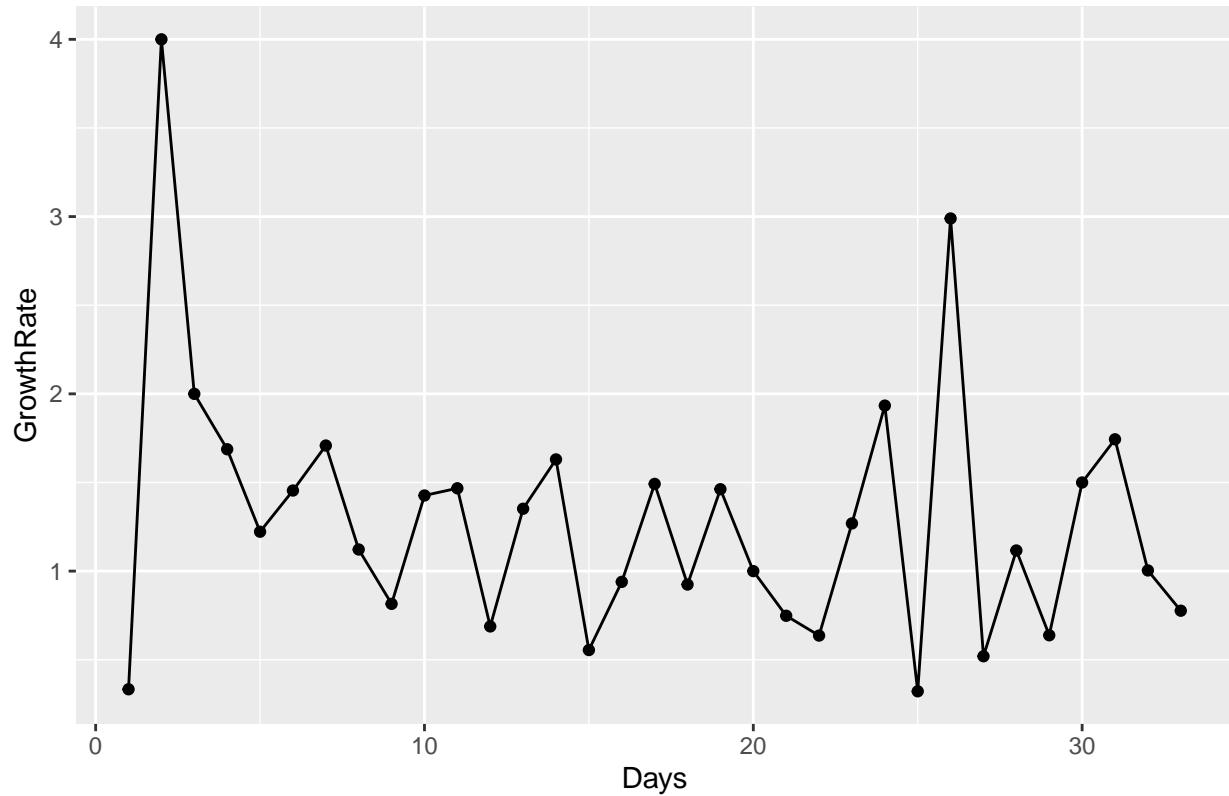
Arizona: Daily Cases



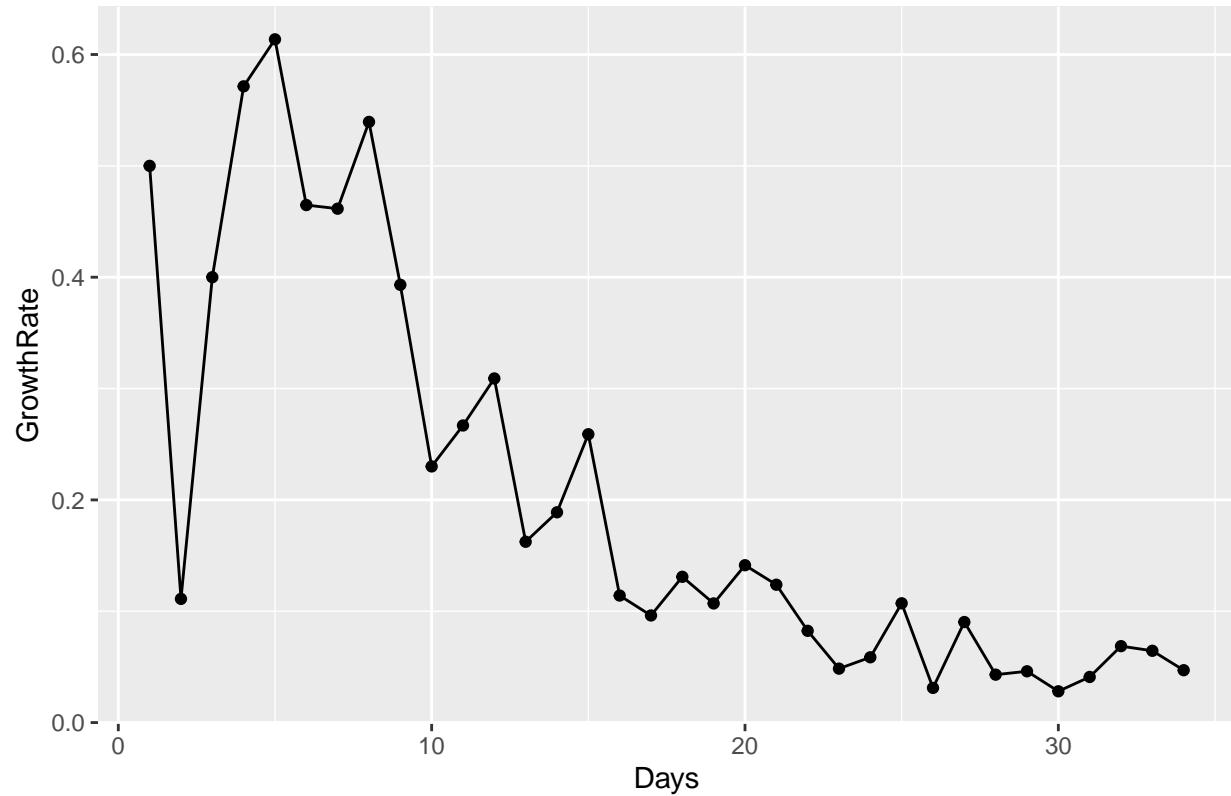
Arizona: Daily Cases



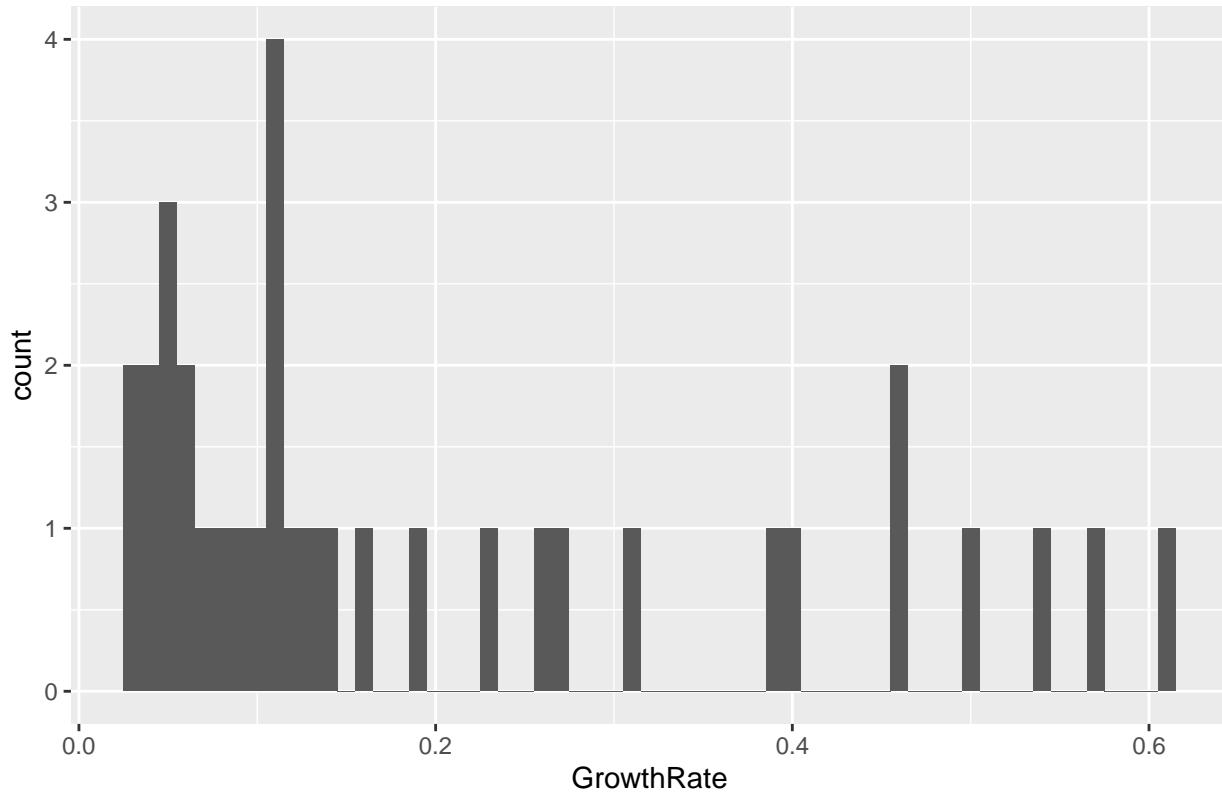
Arizona: Rate of change in Growth Rate



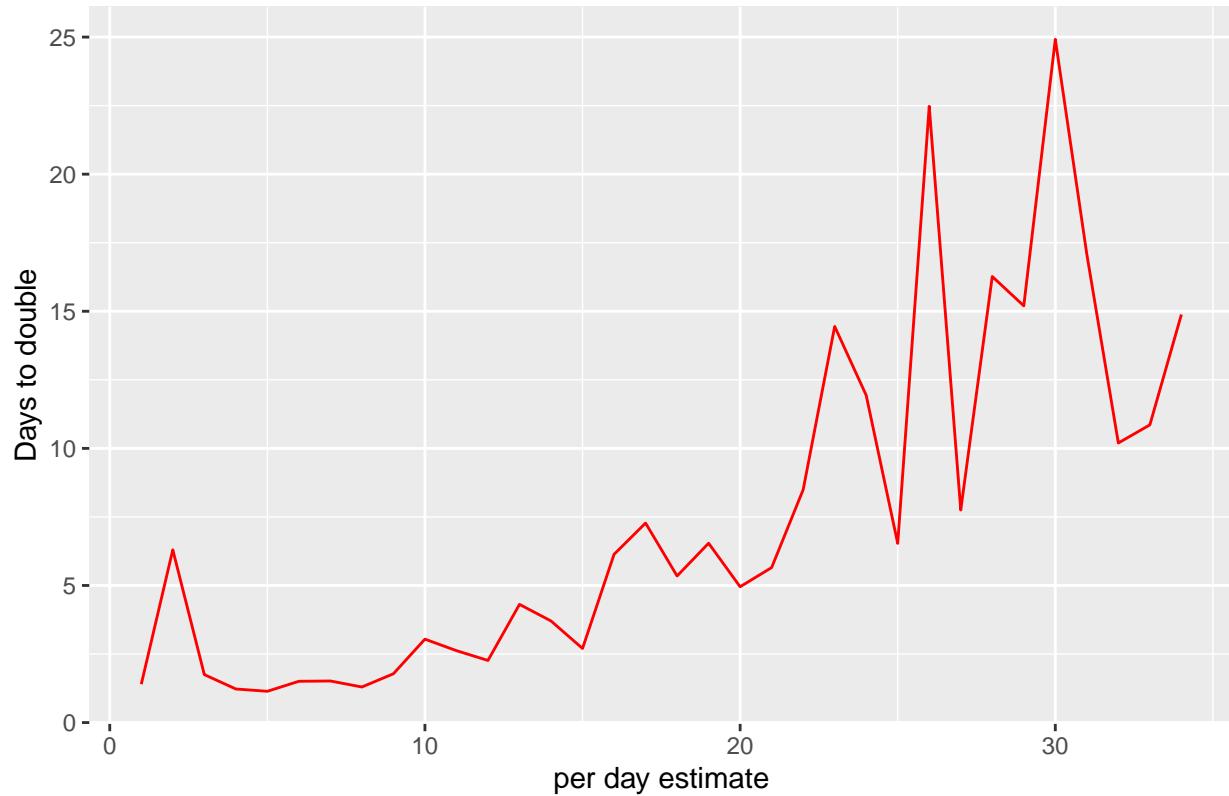
Arizona: Growth Rate



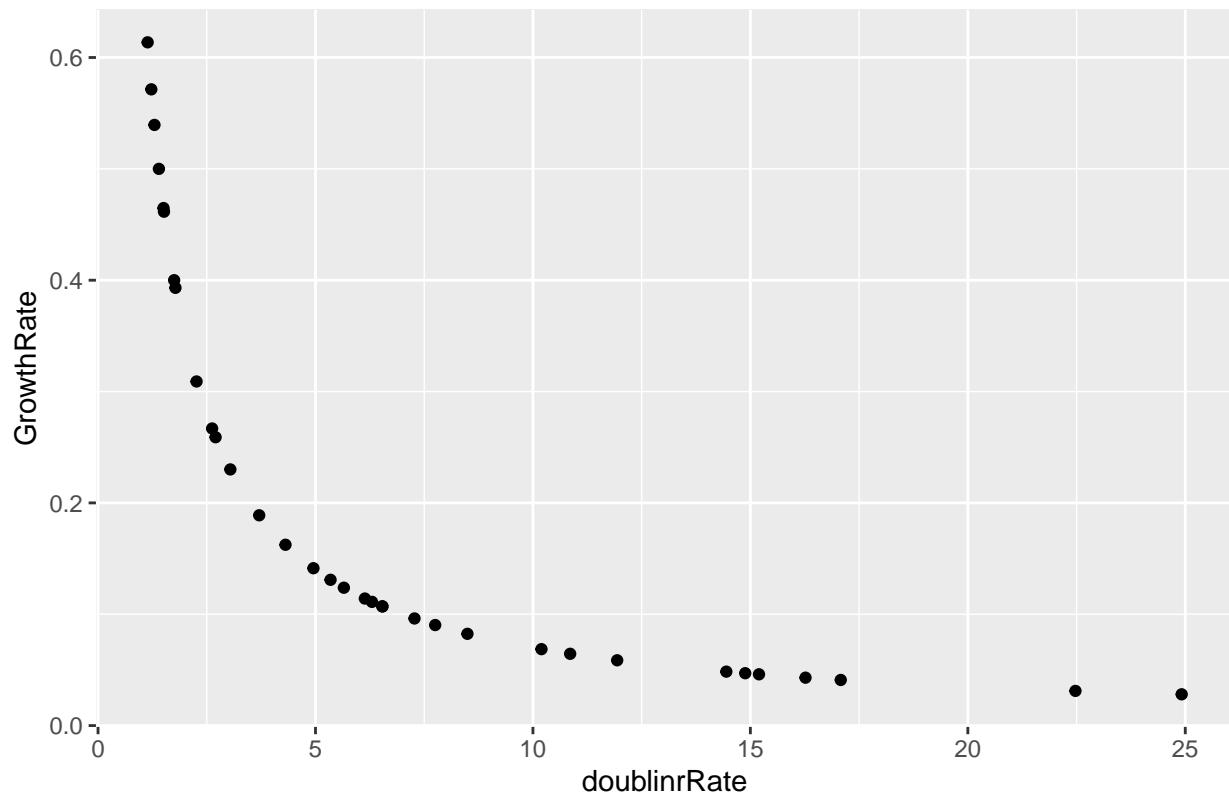
Histogram of GrowthRate



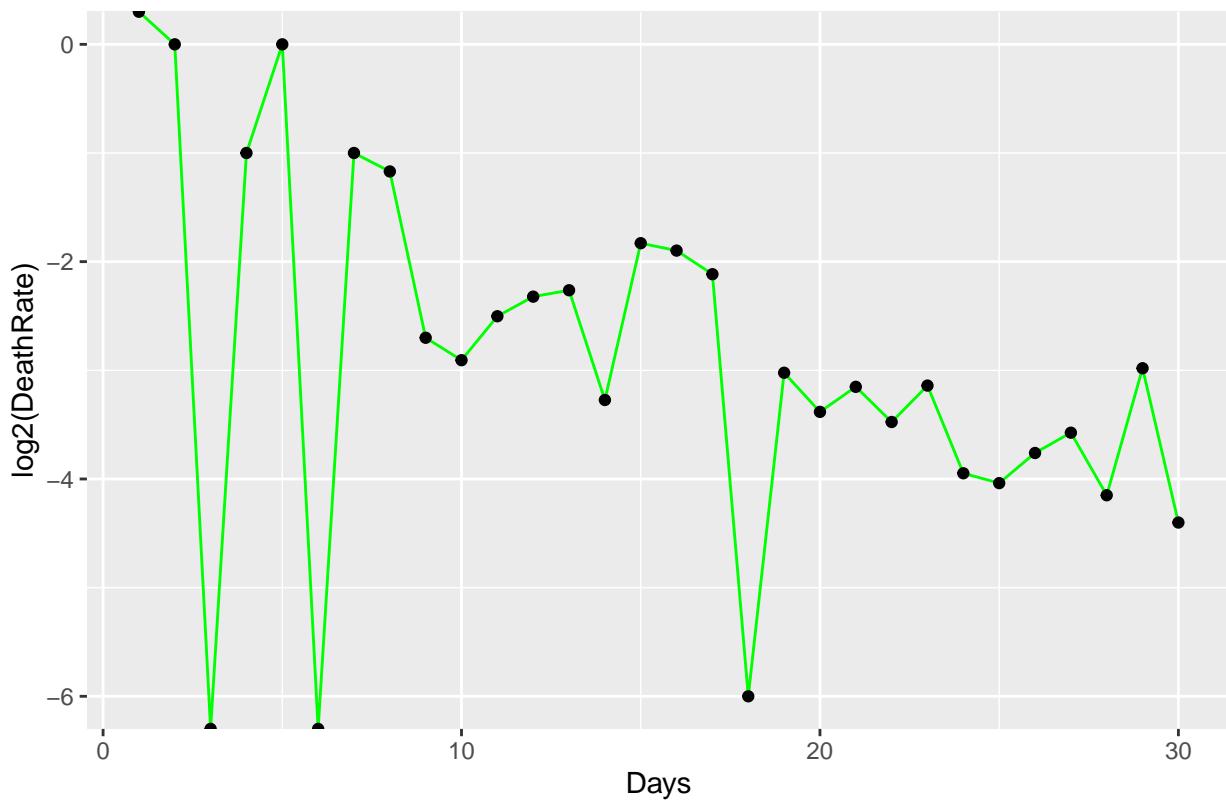
Doubling Rate in days



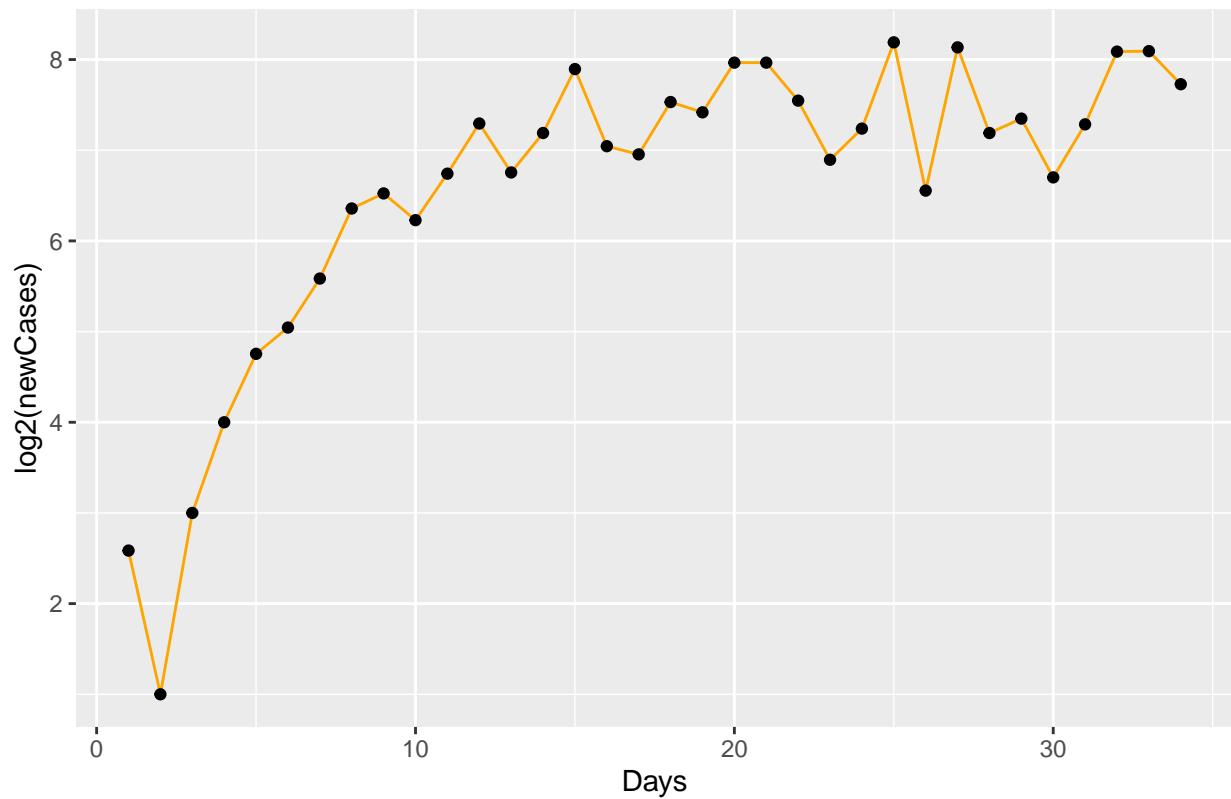
Doubling Rate vs Growth Rate



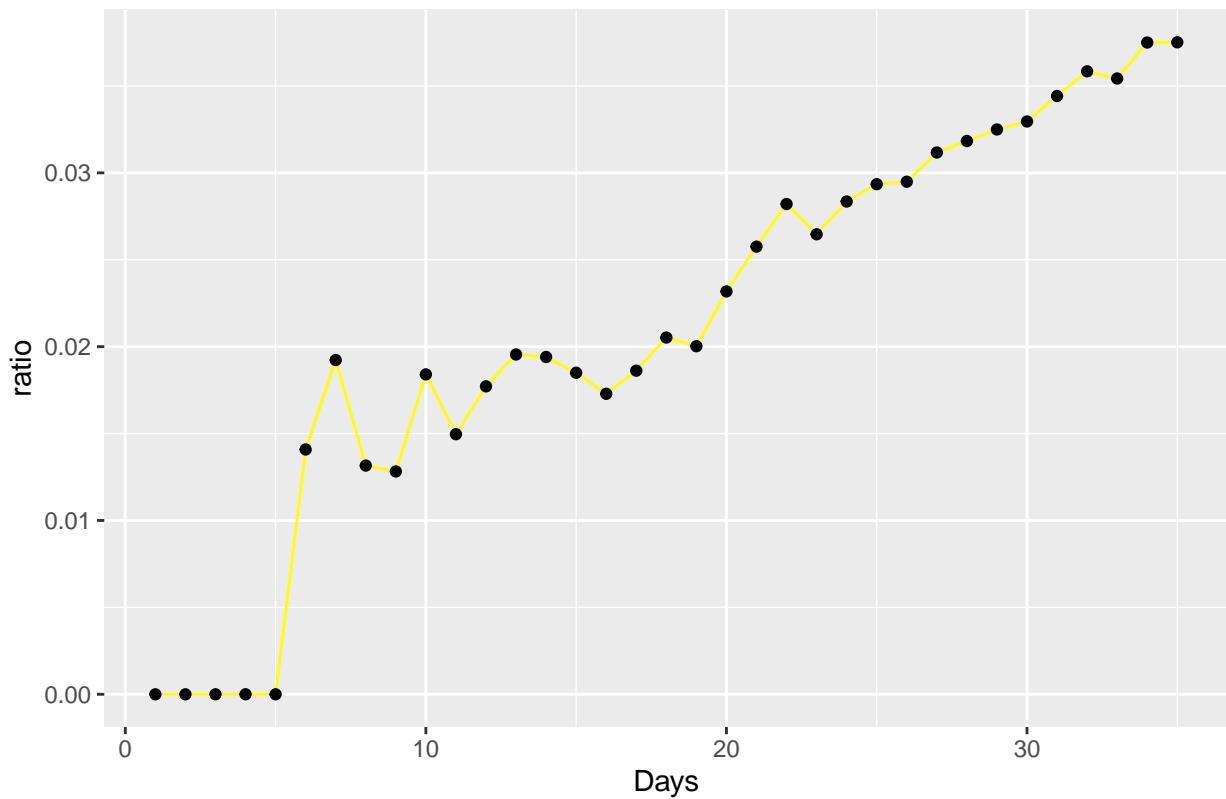
Arizona: Daily Death Rate



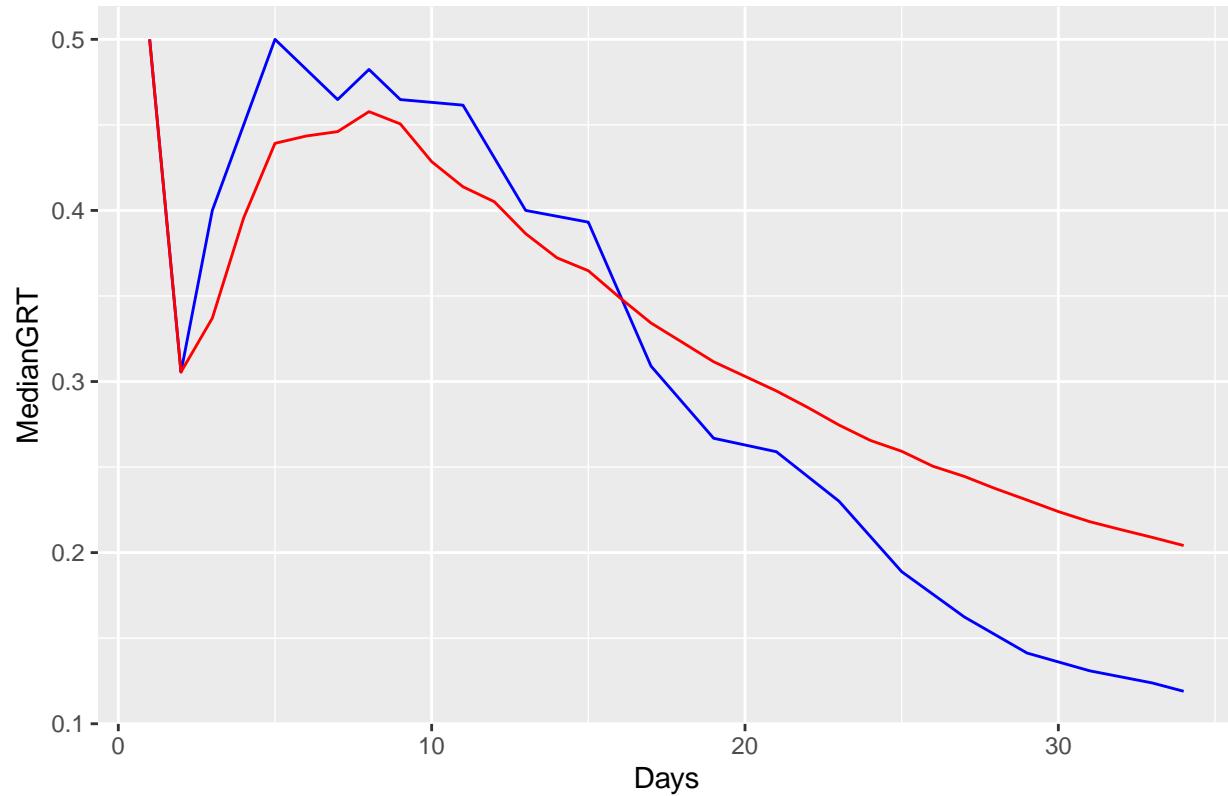
Arizona:newCases(Orange)



Arizona: TotalDeaths/TotalCases



Arizona Median(BLUE)VsMean(RED) Growth Rate

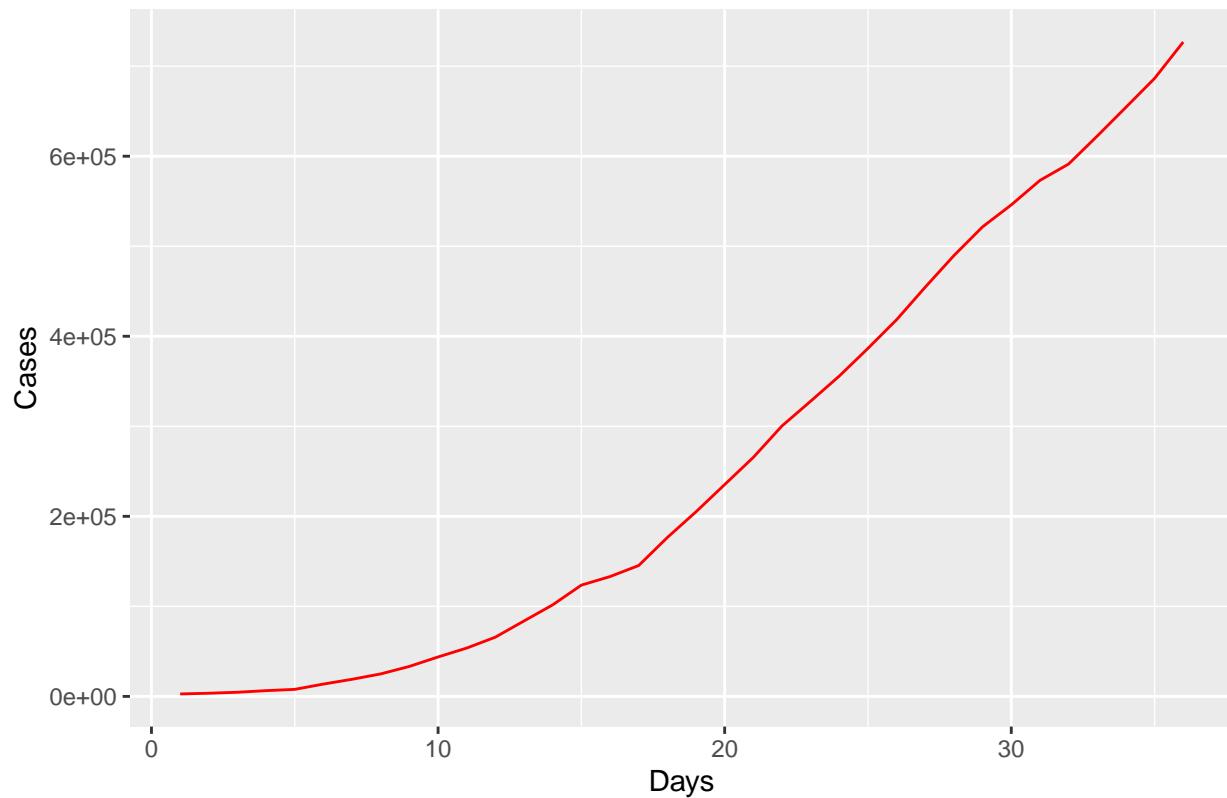


Results:

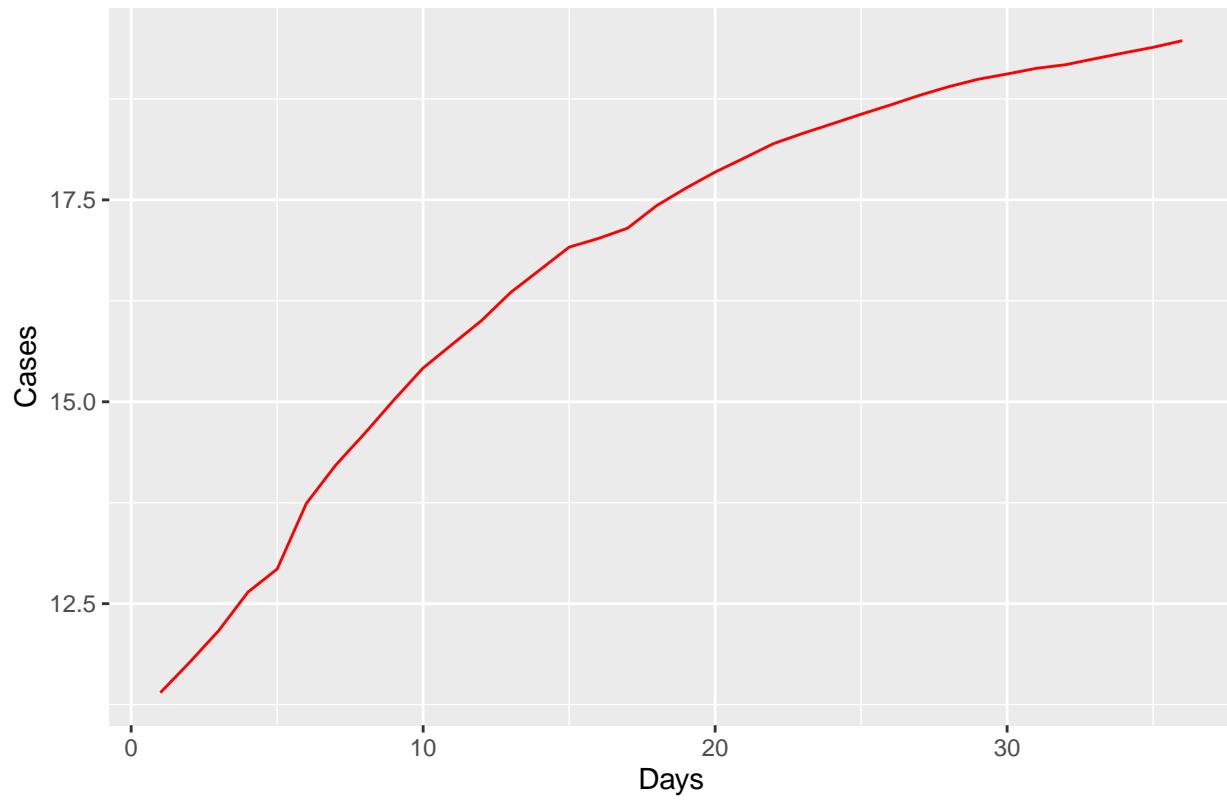
- Tomorrows predicted case number is between **4940.9720435** and **5682.3866115** cases.
- Current doubling rate is **15 days**
- Mean doubling rate, i.e number of cases doubles every **3 days**.
- Median doubling rate, i.e number of cases doubles every **6 days**.
- Latest Observed Growth Rate **4.7037941** percent.
- Mean Growth Rate: **20.4150585** percent.
- Median Growth Rate: **11.8955917** percent.
- Standard deviation: +/- **17.9956003**.

US Corona Dashboard

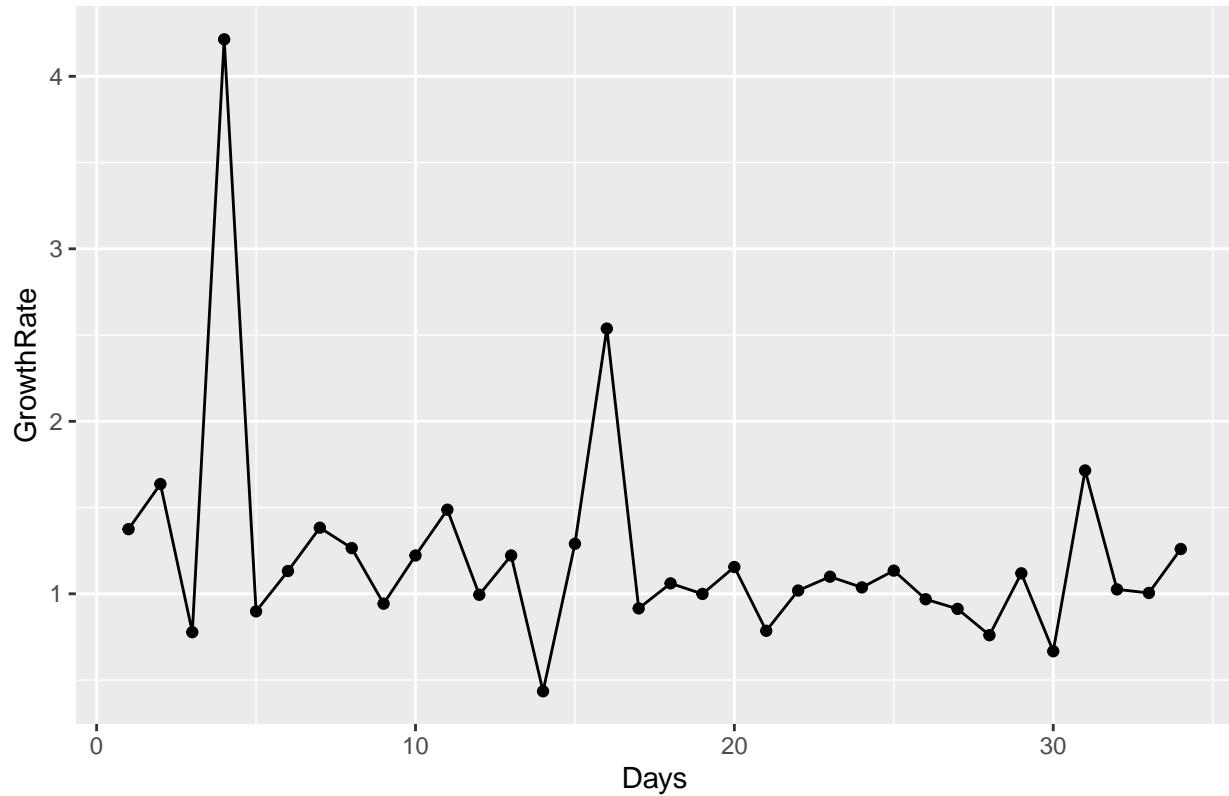
US: Daily Cases



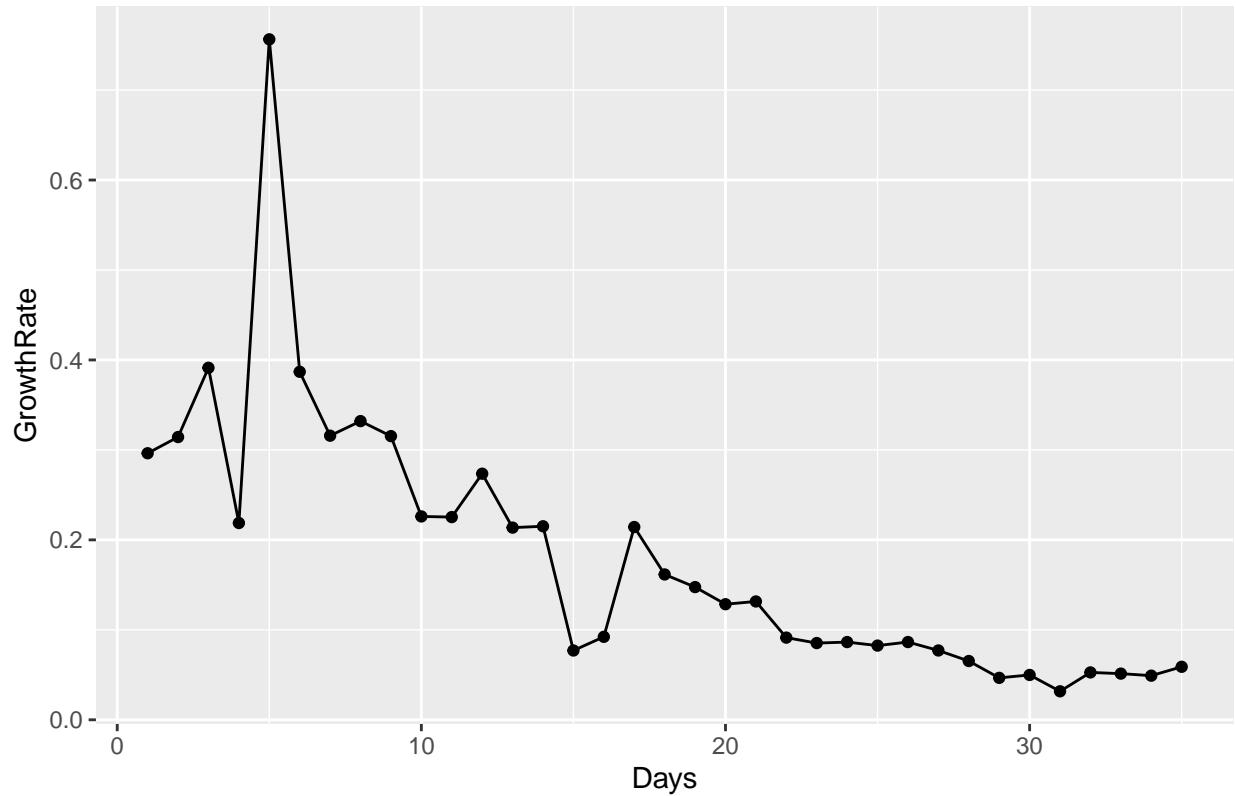
US: Daily Cases



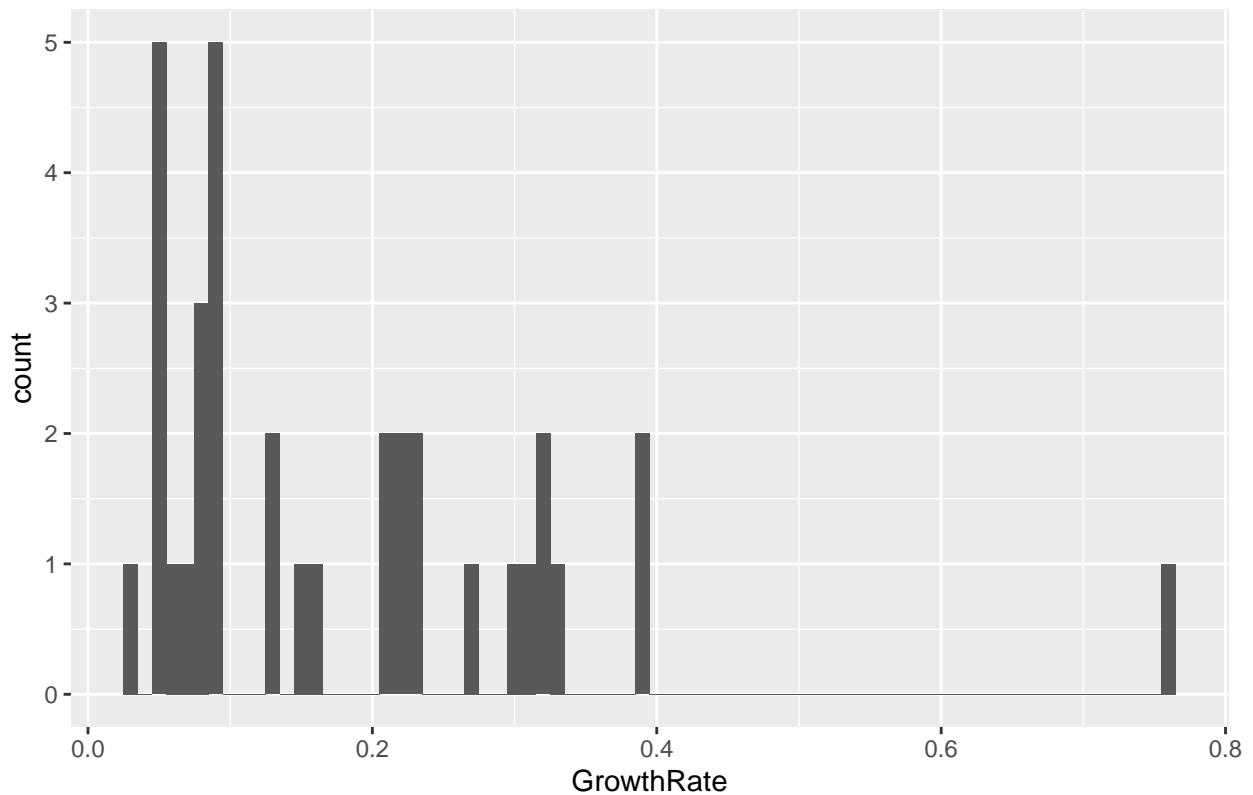
US: Rate of change in Growth Rate



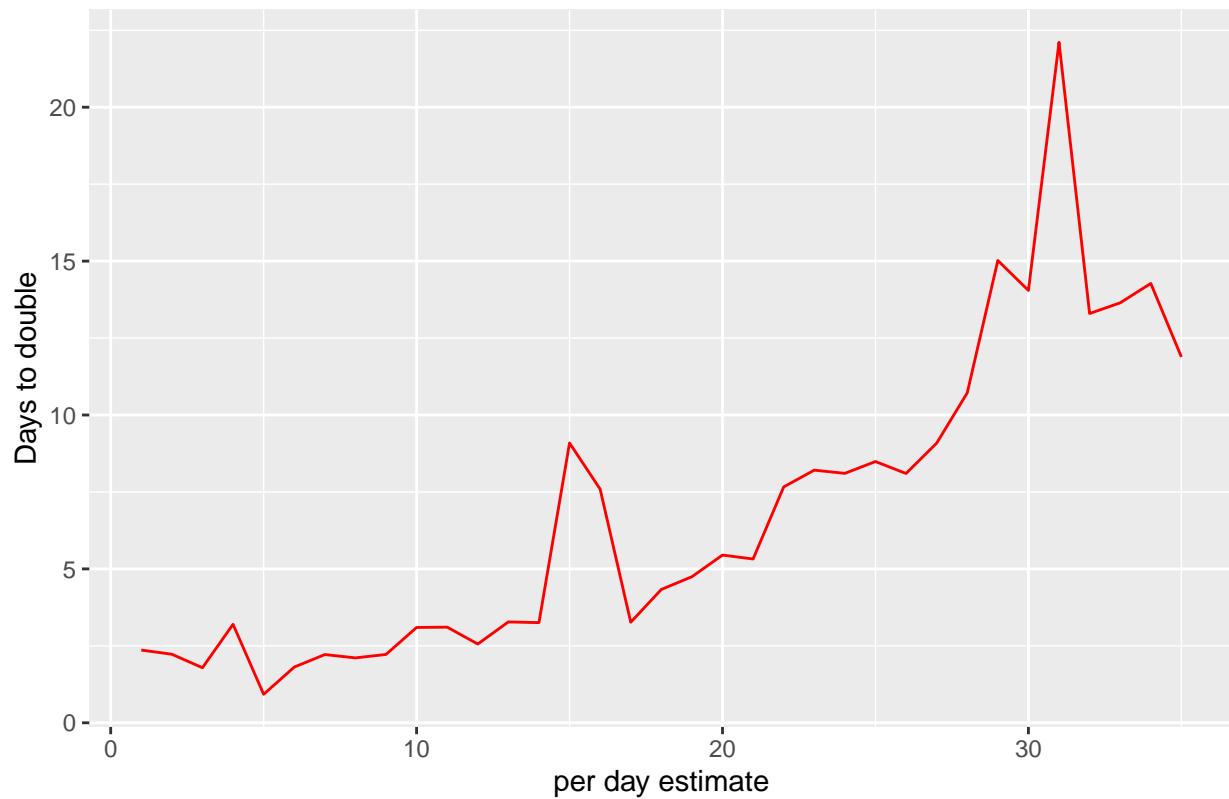
US: Growth Rate



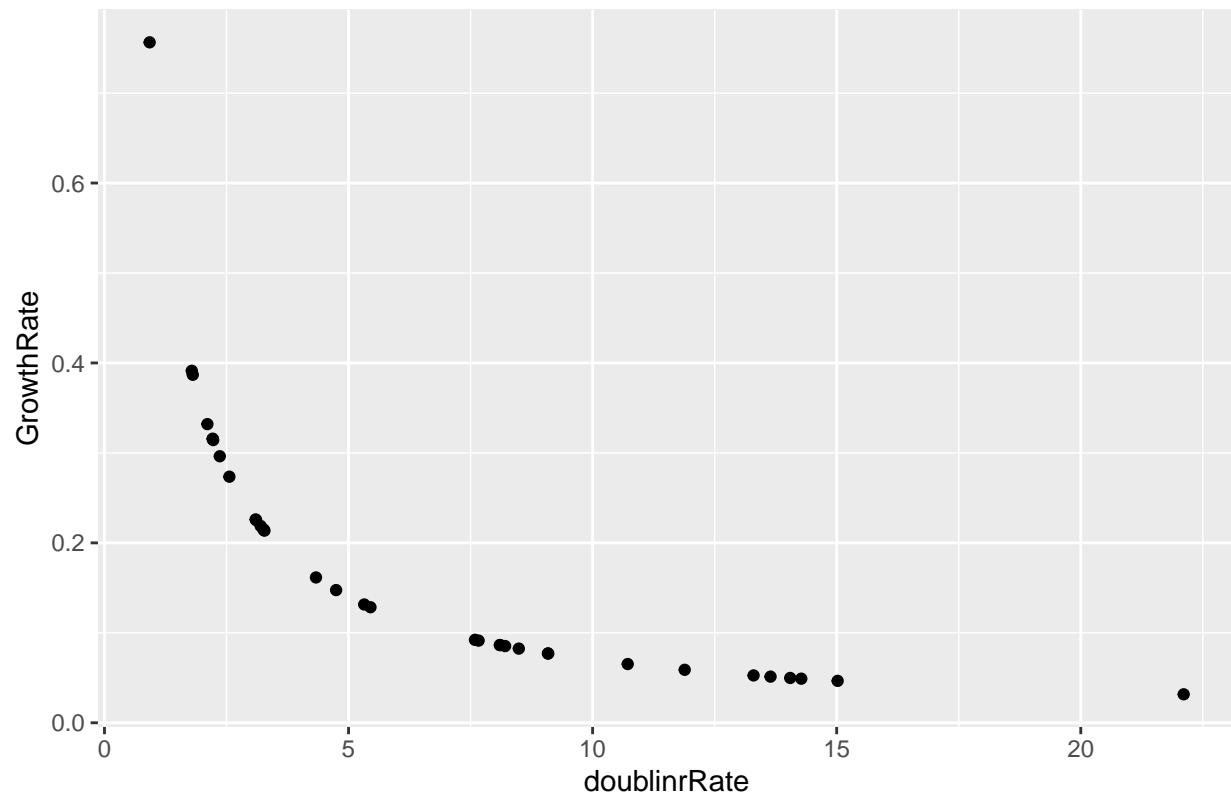
Histogram of GrowthRate



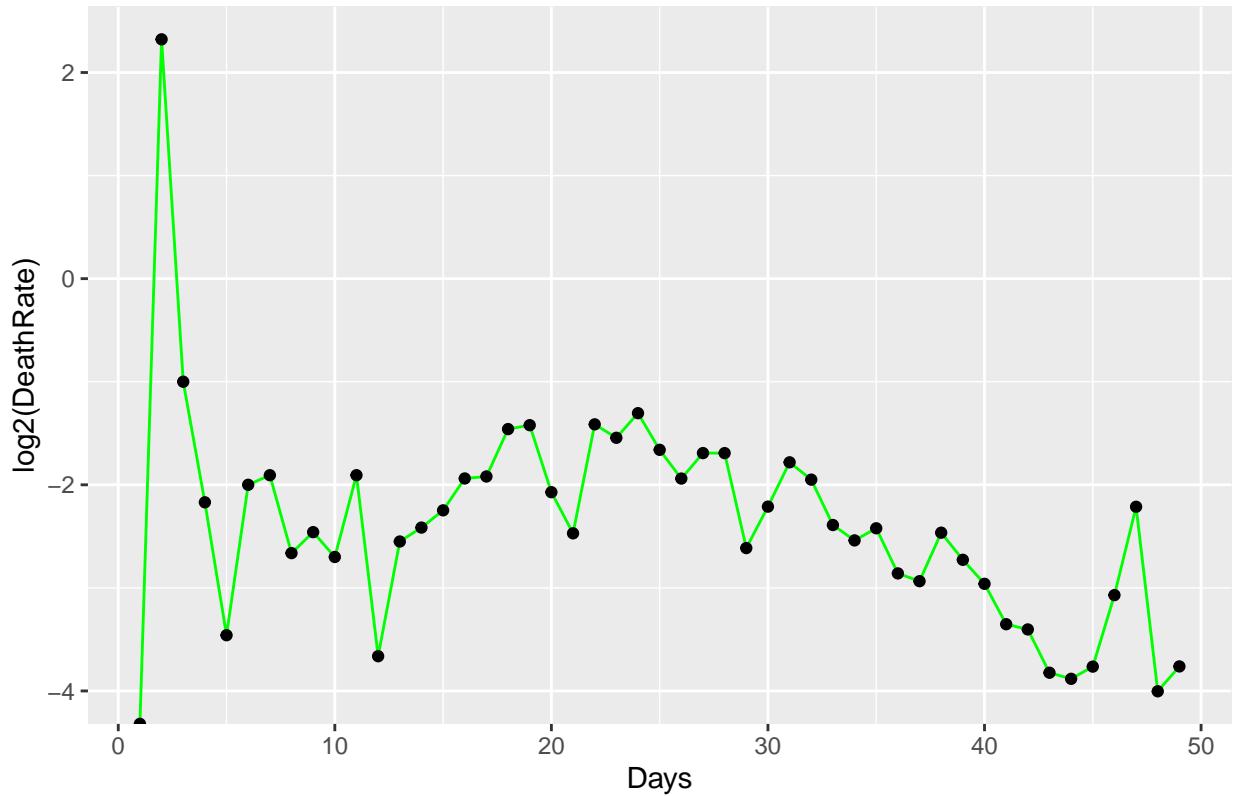
Doubling Rate in days



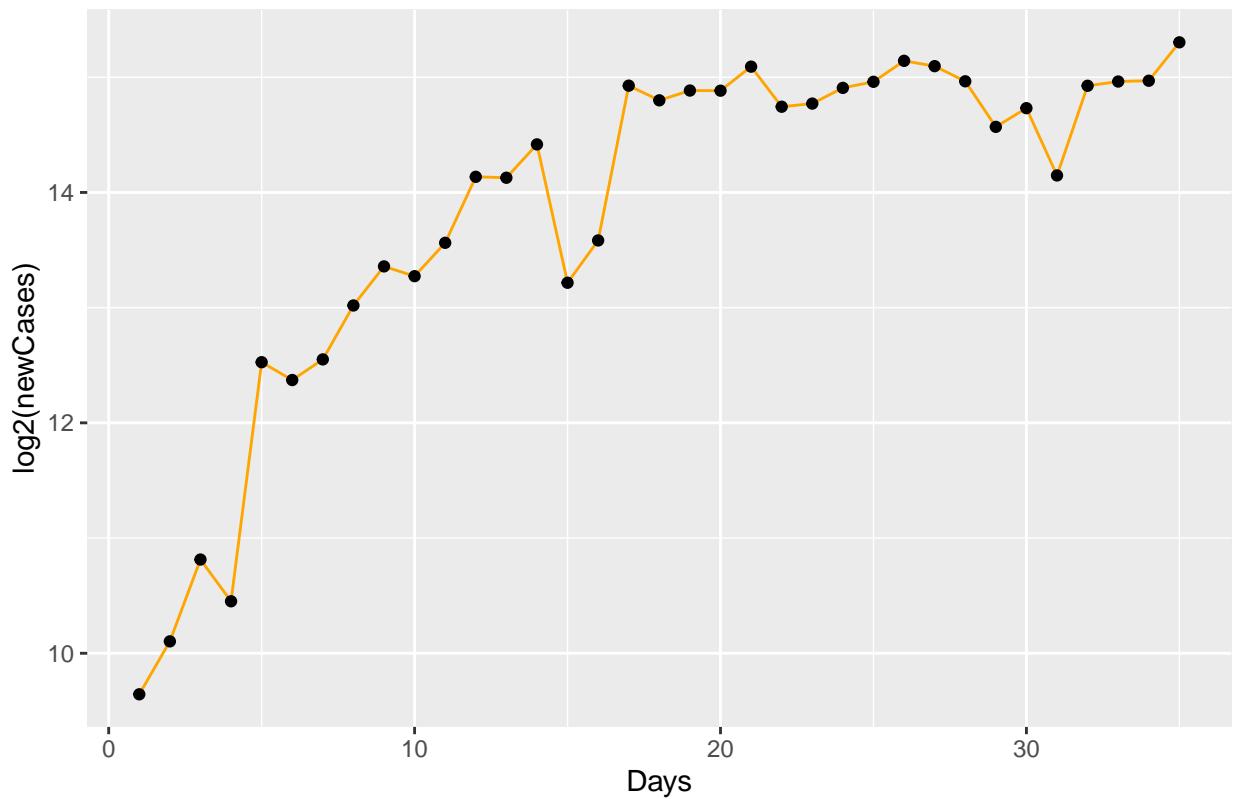
Doubling Rate vs Growth Rate



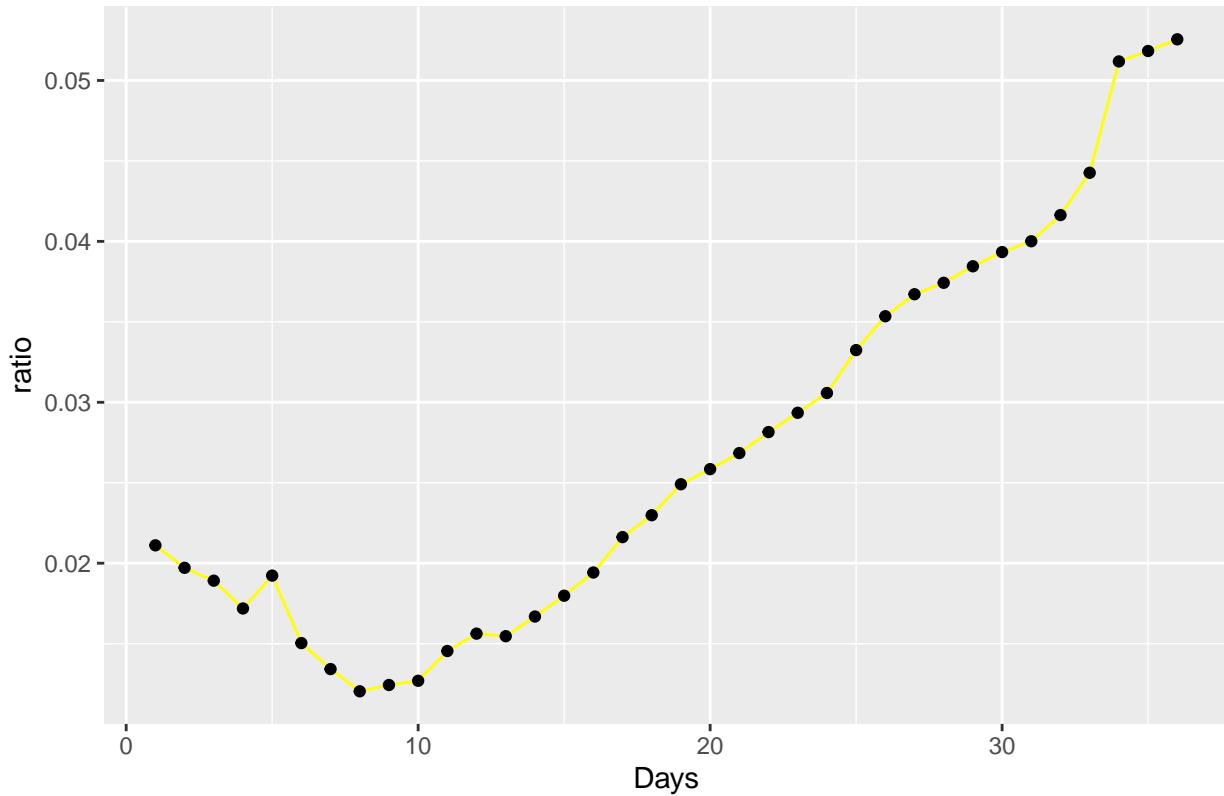
US: Daily Death Rate



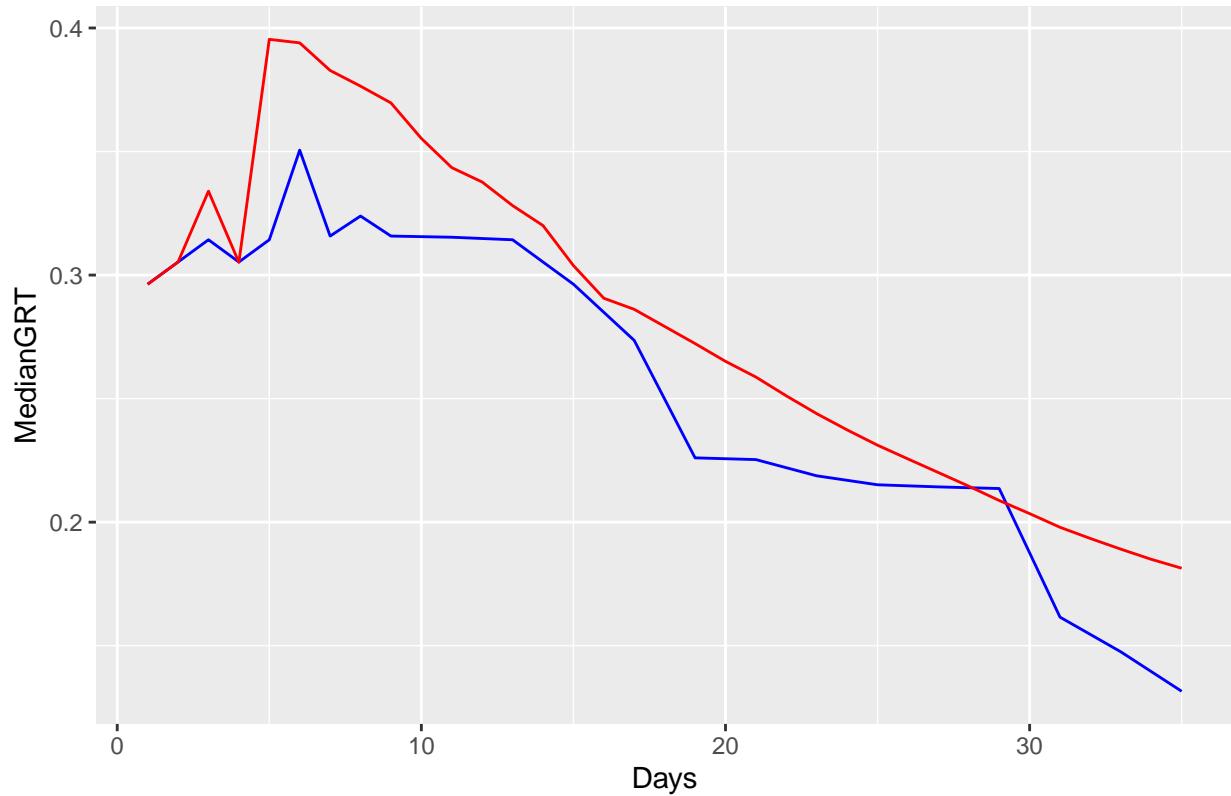
US:newCases(Orange)



US: TotalDeaths/TotalCases



US Median(BLUE)VsMean(RED) Growth Rate

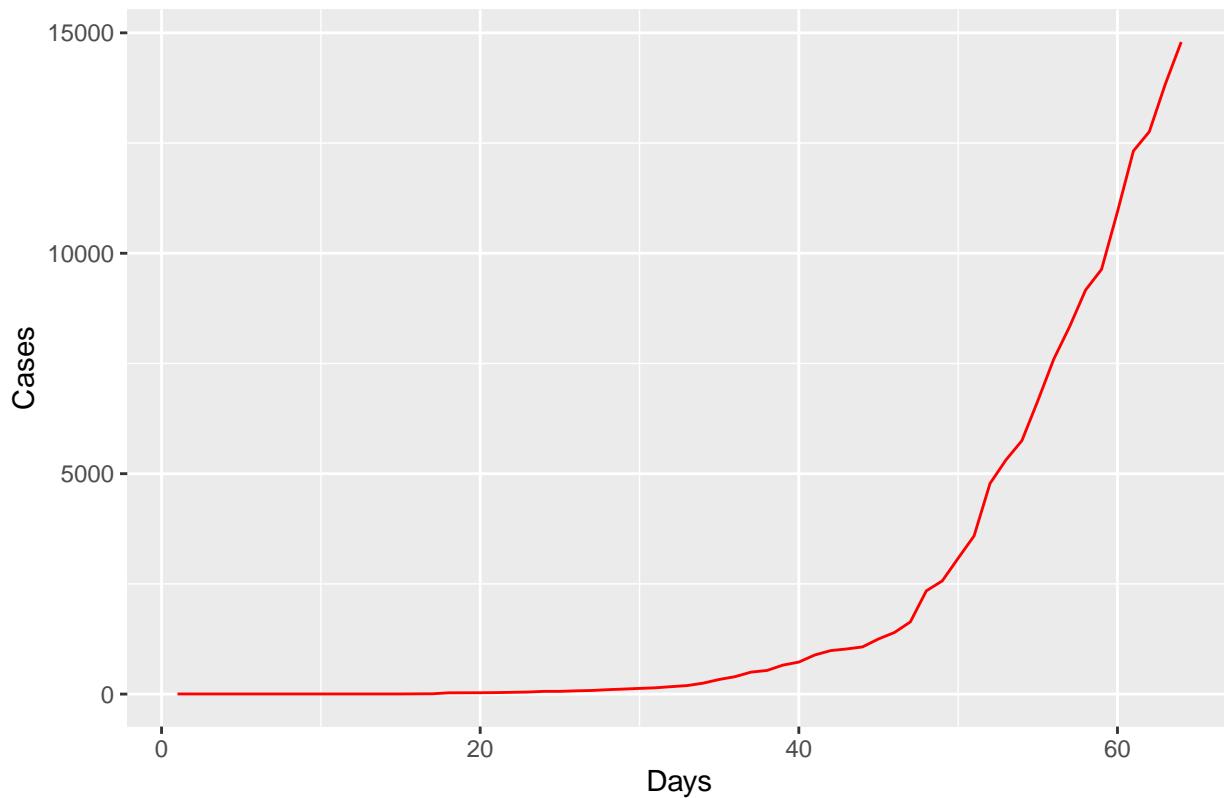


Results:

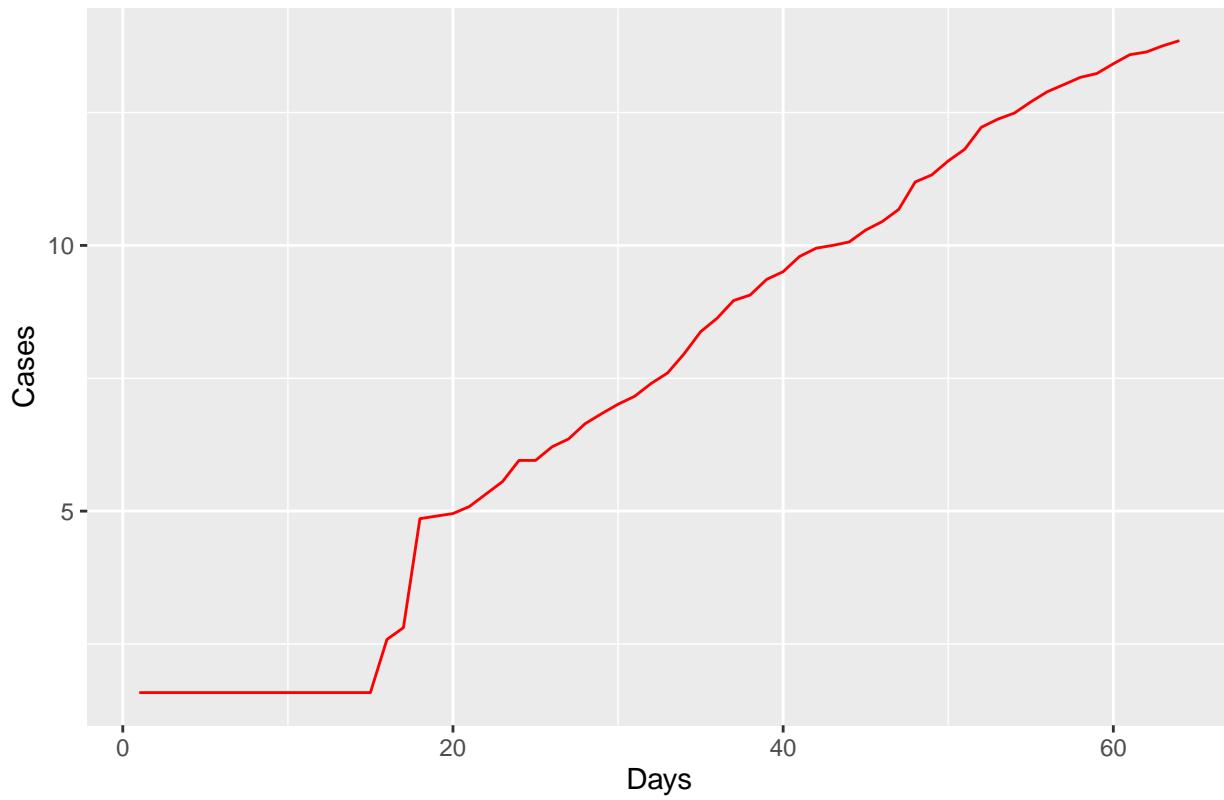
- Tomorrows predicted case number is between 7.6966169×10^5 and 8.5867574×10^5 cases.
- Current doubling rate is **12 days**
- Mean doubling rate, i.e number of cases doubles every **4 days**.
- Median doubling rate, i.e number of cases doubles every **5 days**.
- Latest Observed Growth Rate **5.8891571** percent.
- Mean Growth Rate: **18.1356053** percent.
- Median Growth Rate: **13.154505** percent.
- Standard deviation: +/- **14.779496**.

India Corona Dashboard

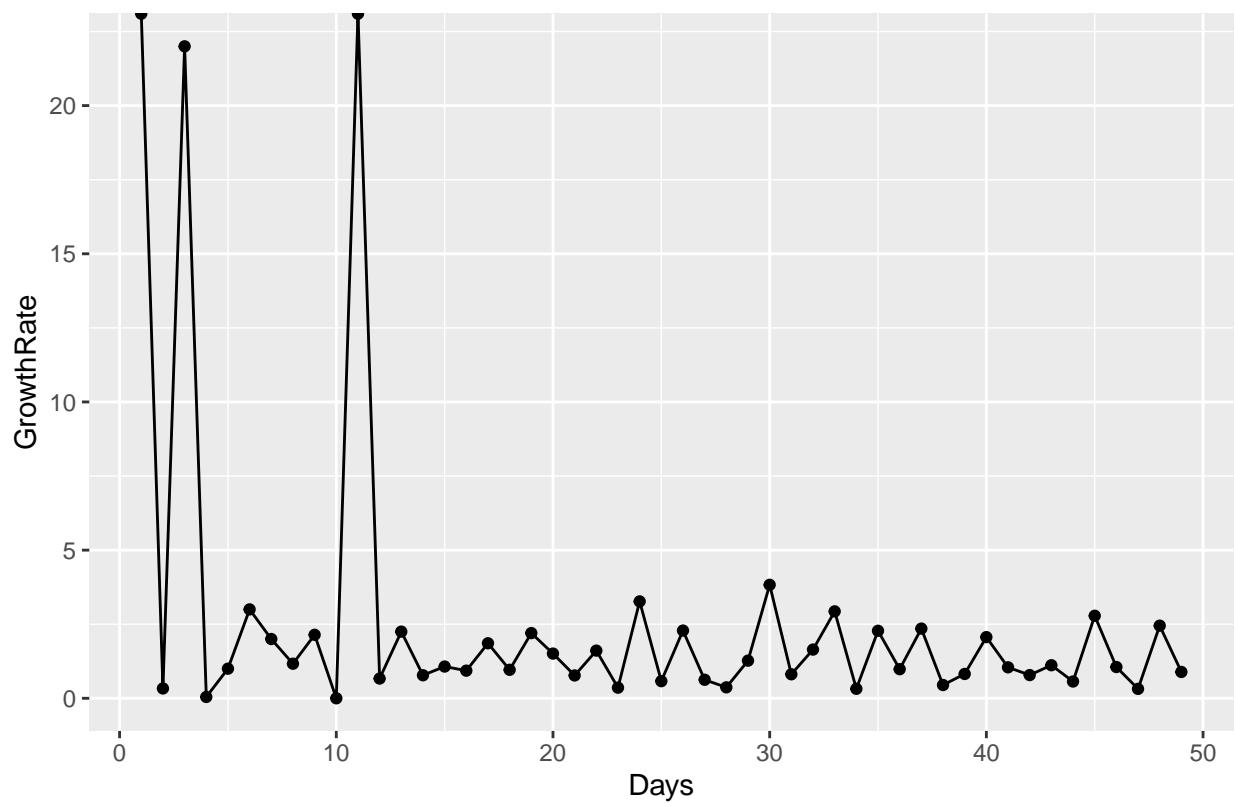
India: Daily Cases



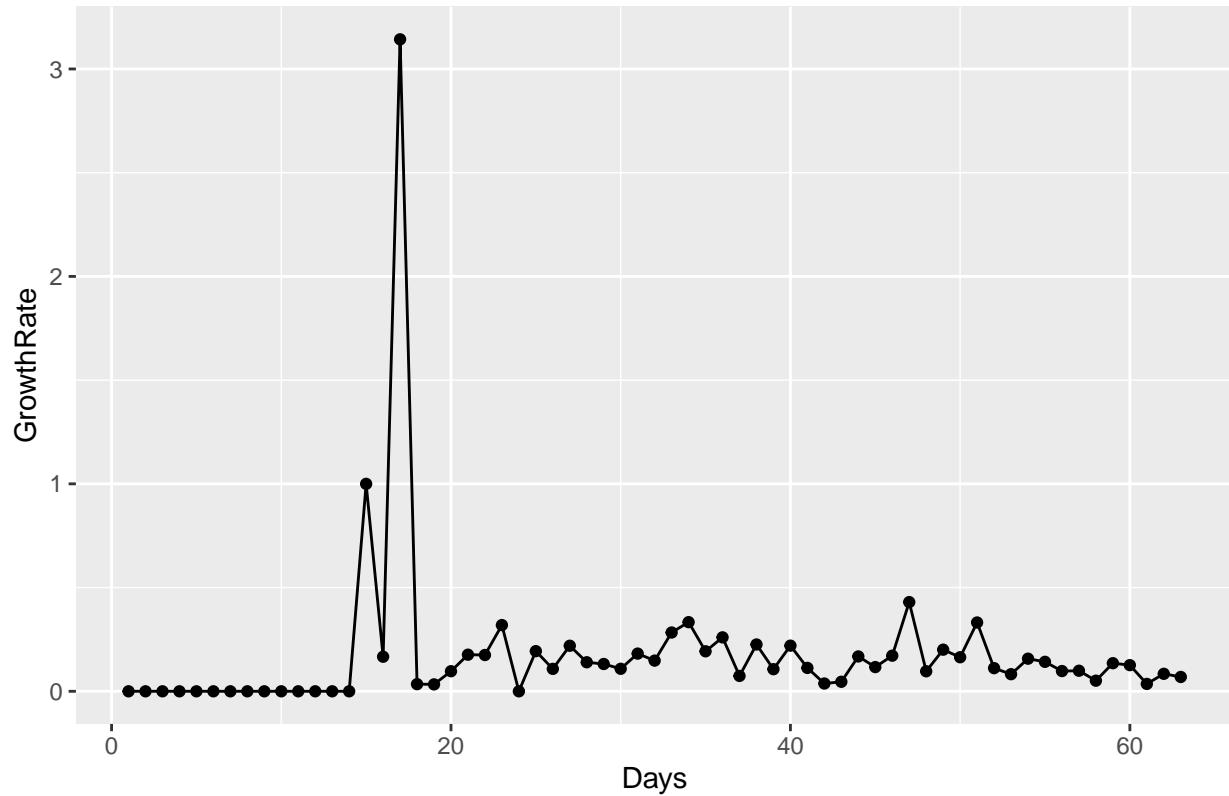
India: Daily Cases



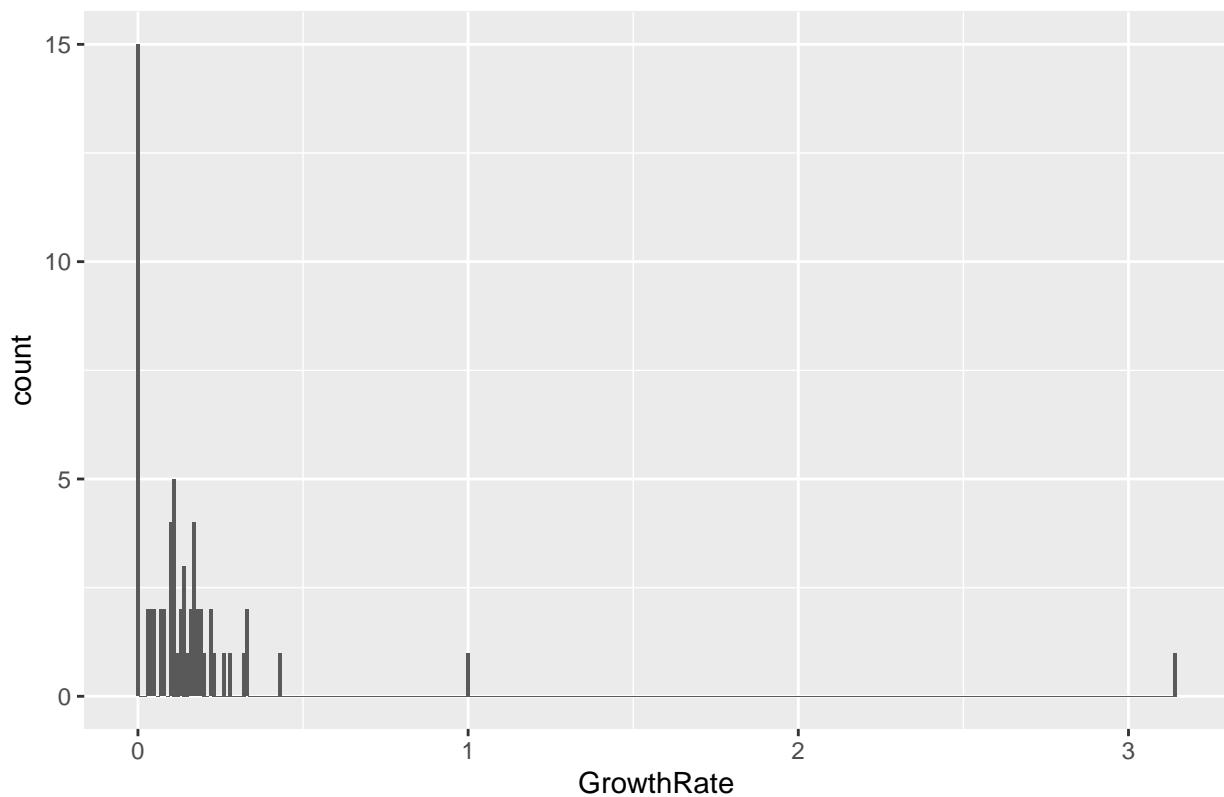
US: Rate of change in Growth Rate



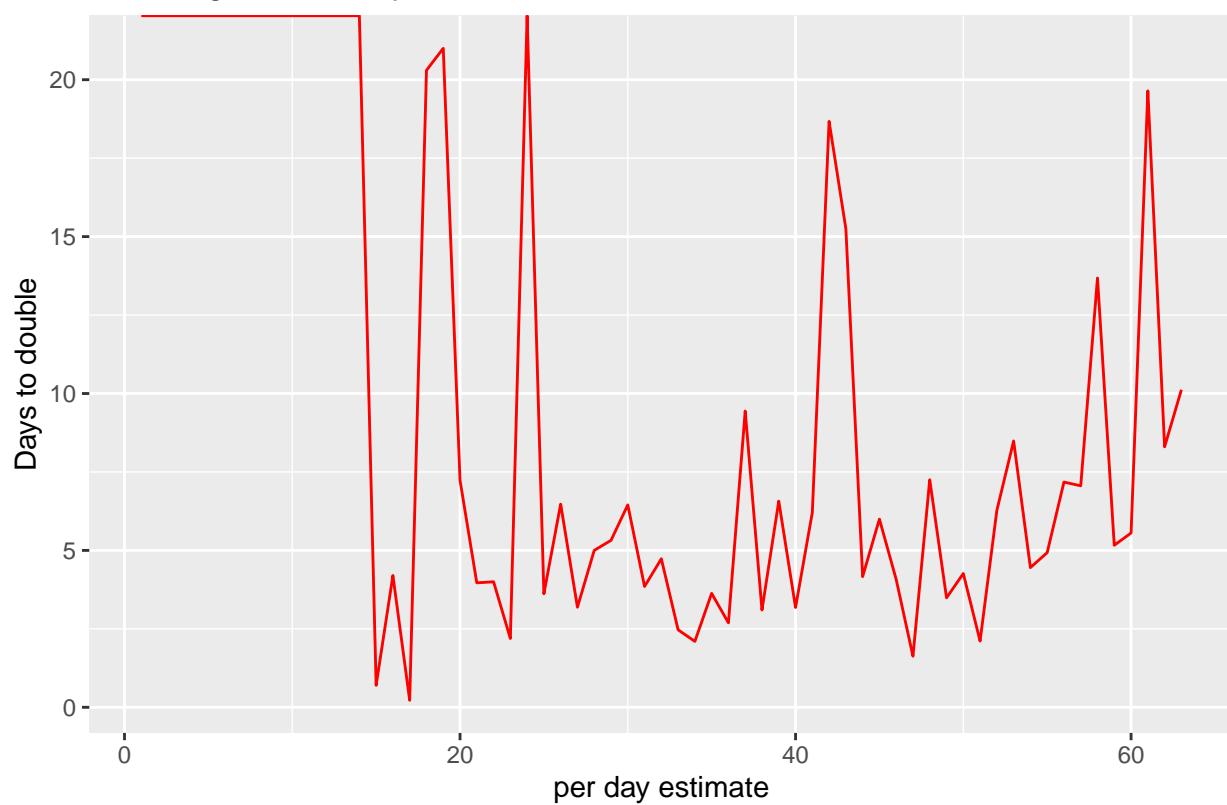
India: Growth Rate



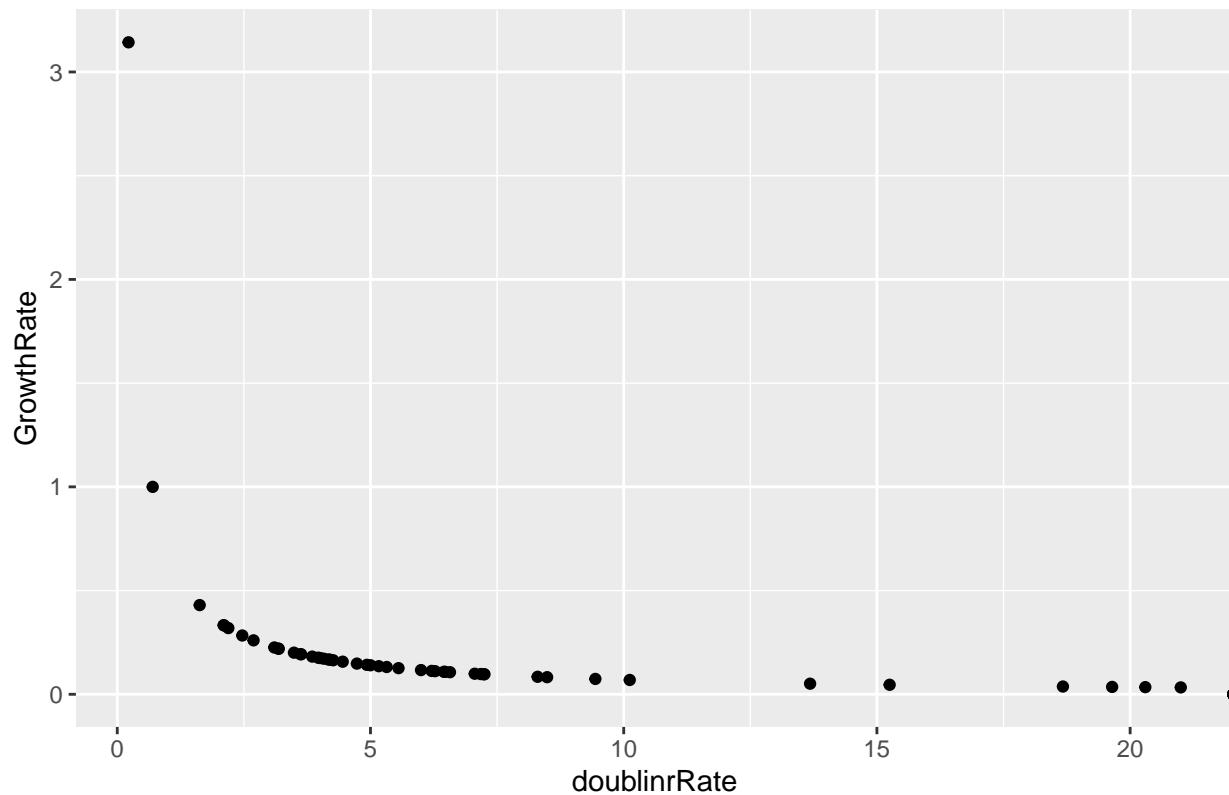
Histogram of GrowthRate



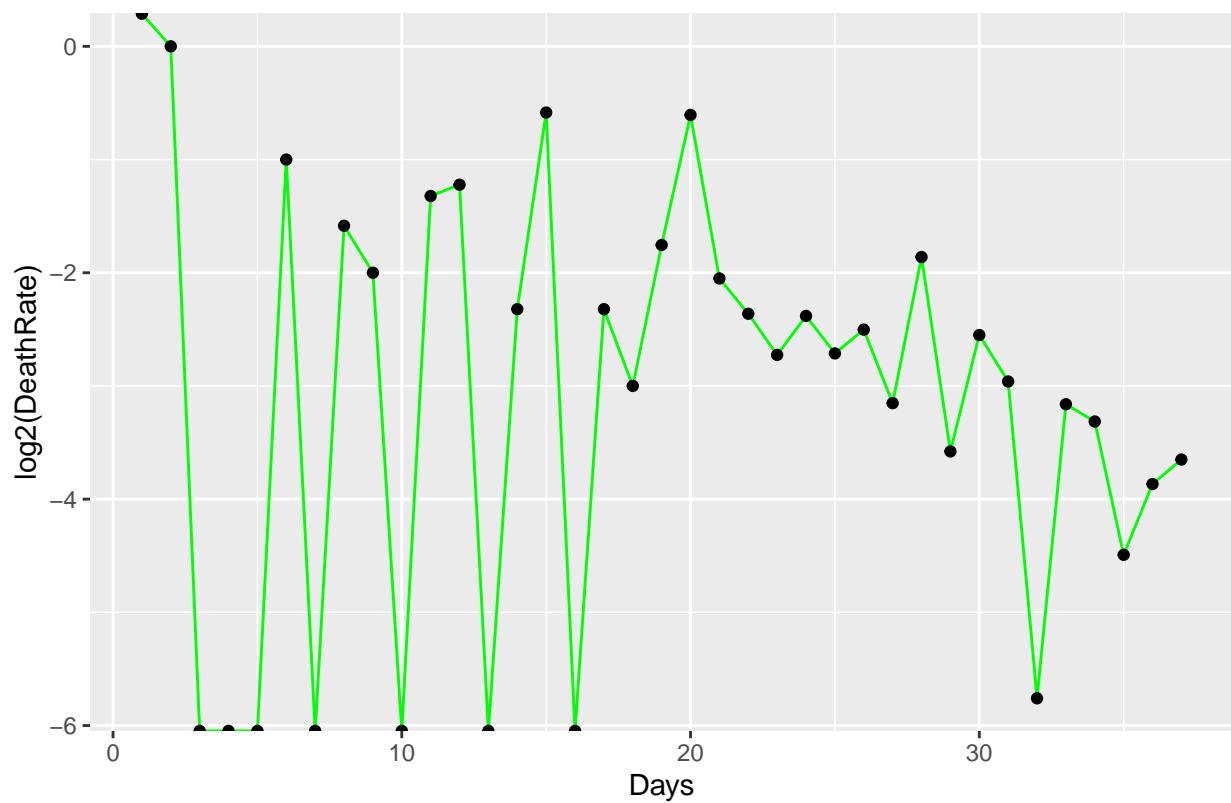
Doubling Rate in days



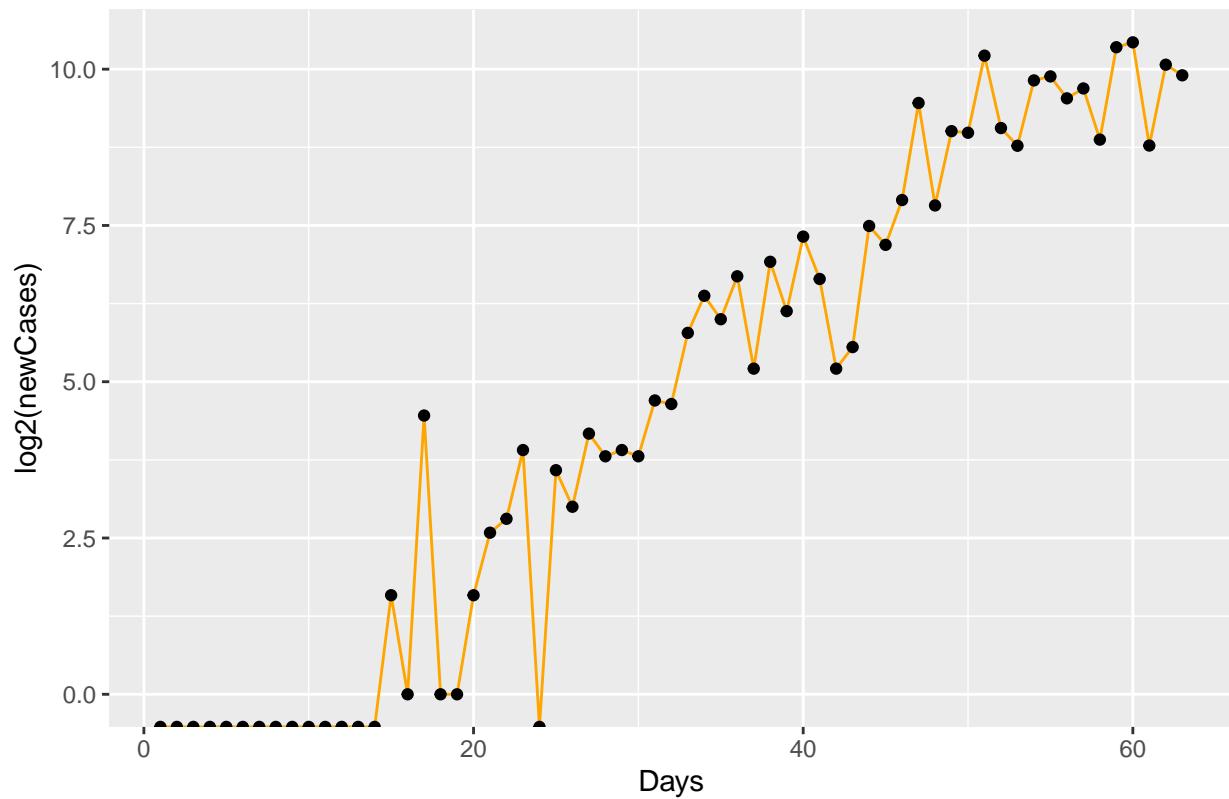
Doubling Rate vs Growth Rate



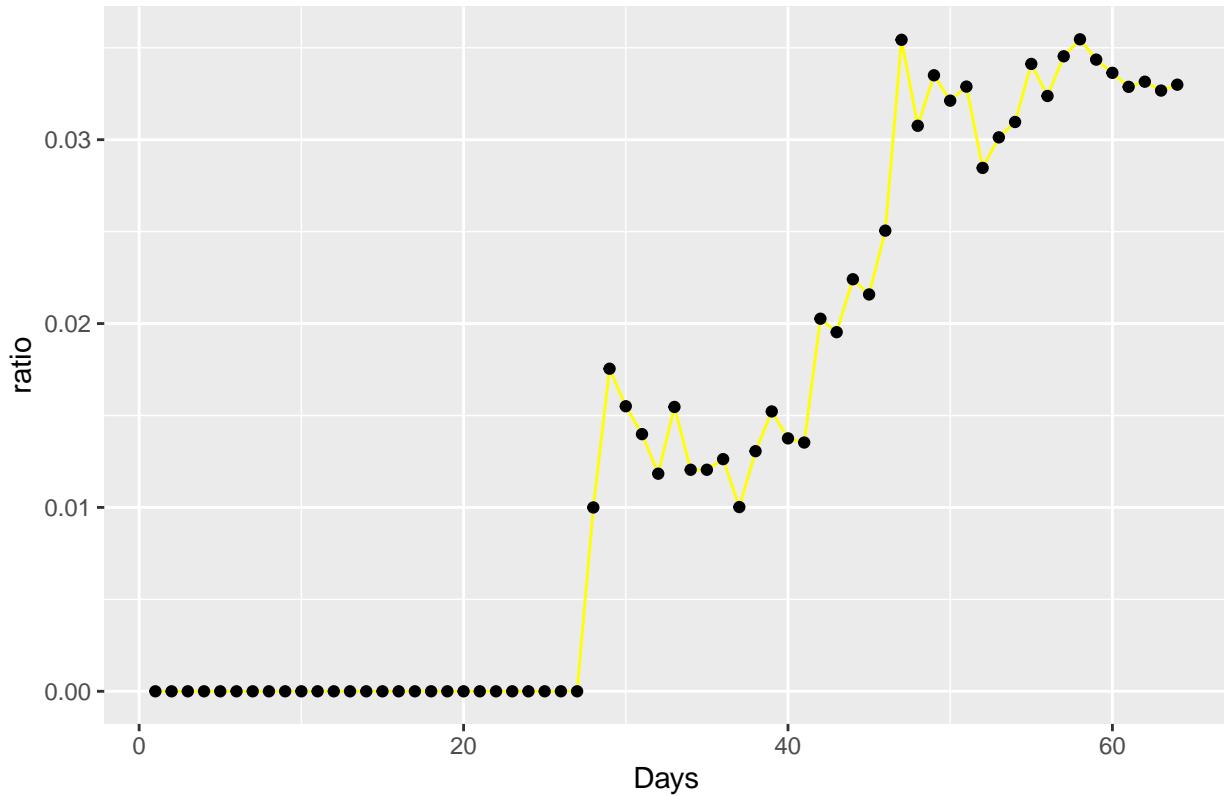
India: Daily Death Rate



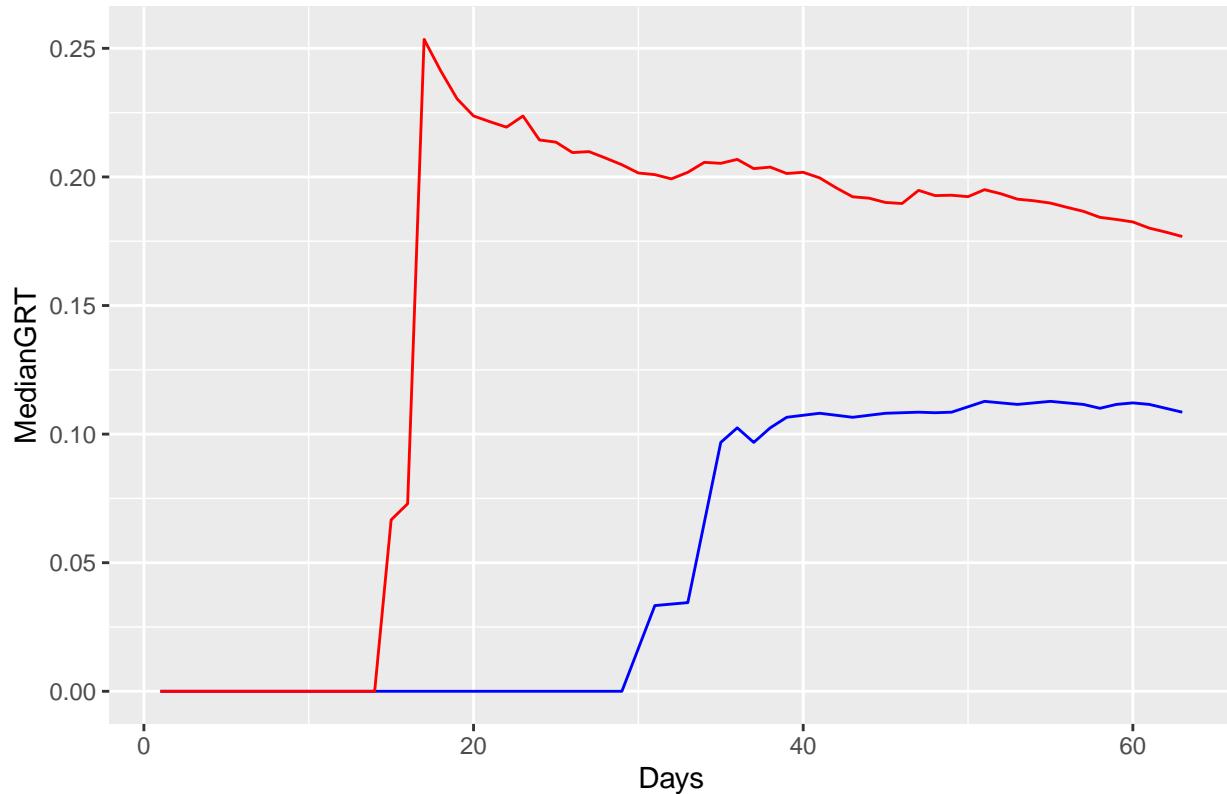
India:newCases(Orange)



India: TotalDeaths/TotalCases



India Median(BLUE)VsMean(RED) Growth Rate



Results:

- Tomorrows predicted case number is between 1.5815198×10^4 and 1.7407517×10^4 cases.
- Current doubling rate is **10 days**
- Mean doubling rate, i.e number of cases doubles every **4 days**.
- Median doubling rate, i.e number of cases doubles every **6 days**.
- Latest Observed Growth Rate **6.9172389** percent.
- Mean Growth Rate: **17.6819723** percent.
- Median Growth Rate: **10.8527132** percent.
- Standard deviation: +/- **40.7926165**.