

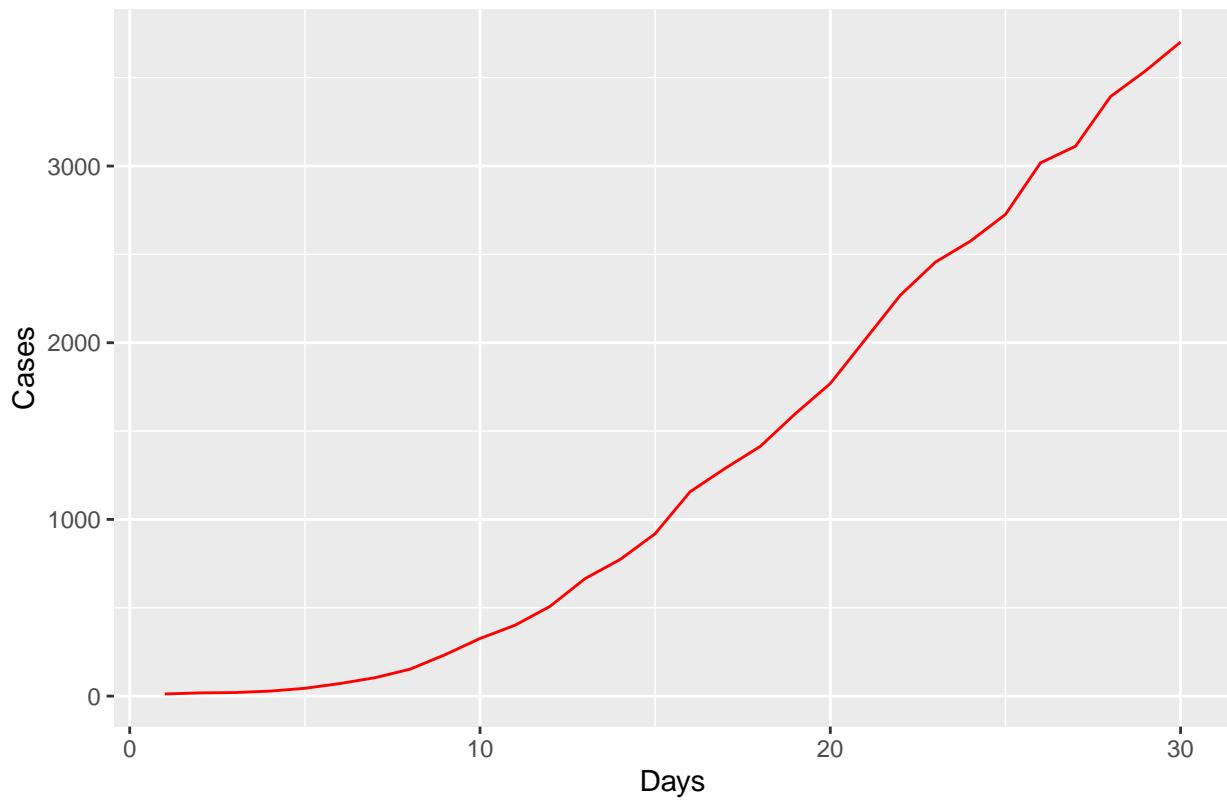
Arizona/US/India Corona Trends- 13th April 2020 with tomorrow's prediction

Whitchurch Muthumani

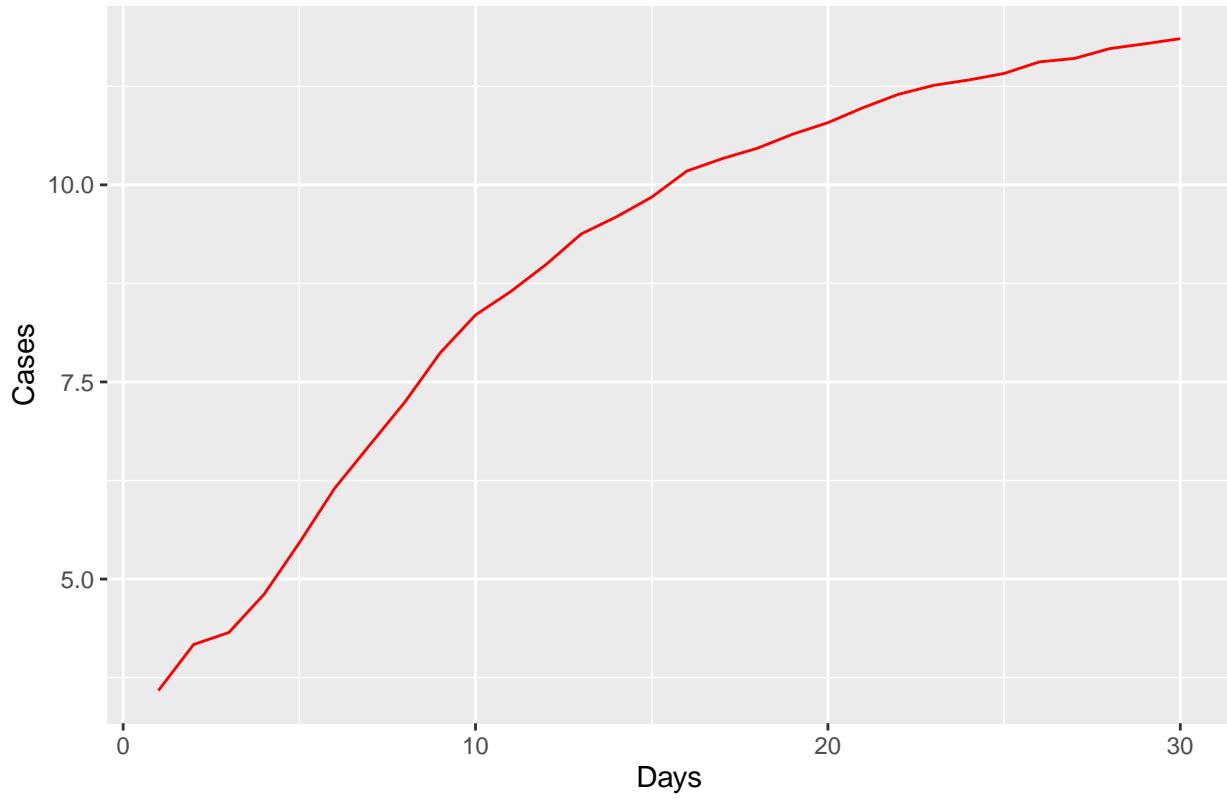
4/13/2020

Arizona Corona Dashboard

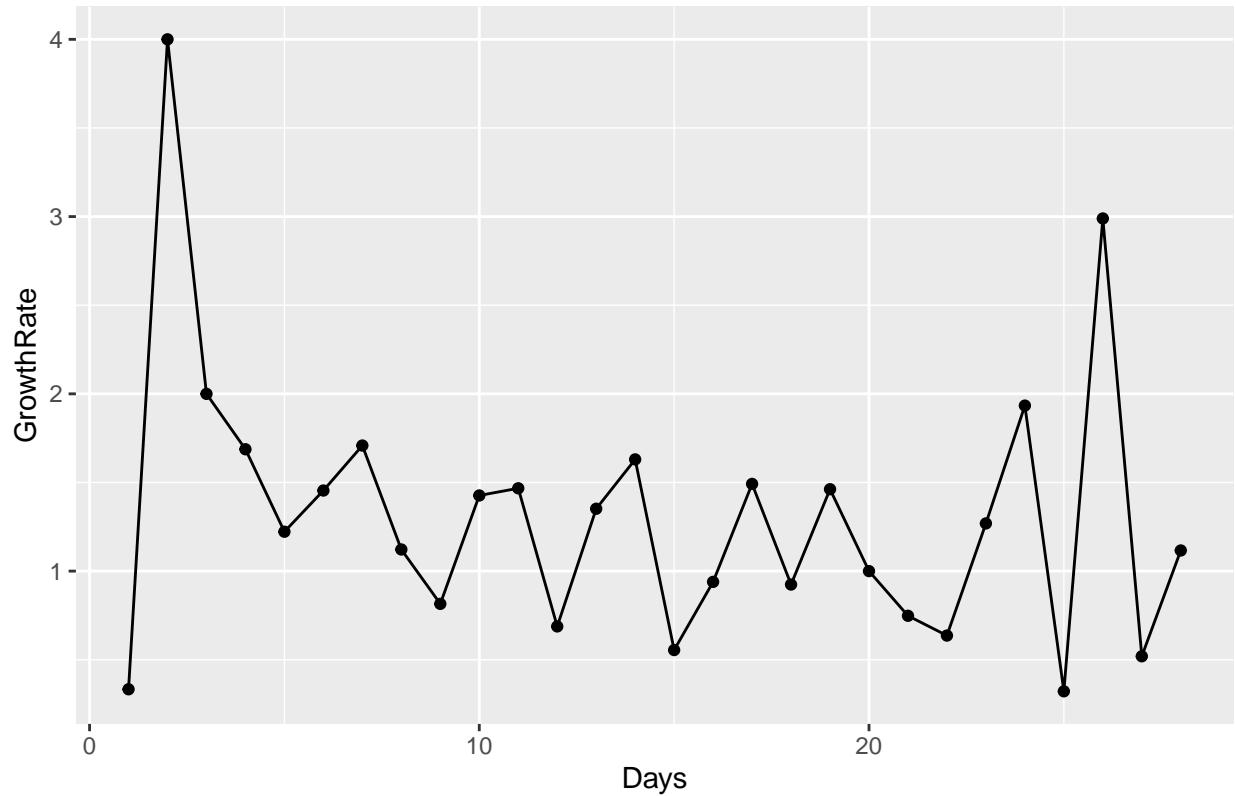
Arizona: Daily Cases



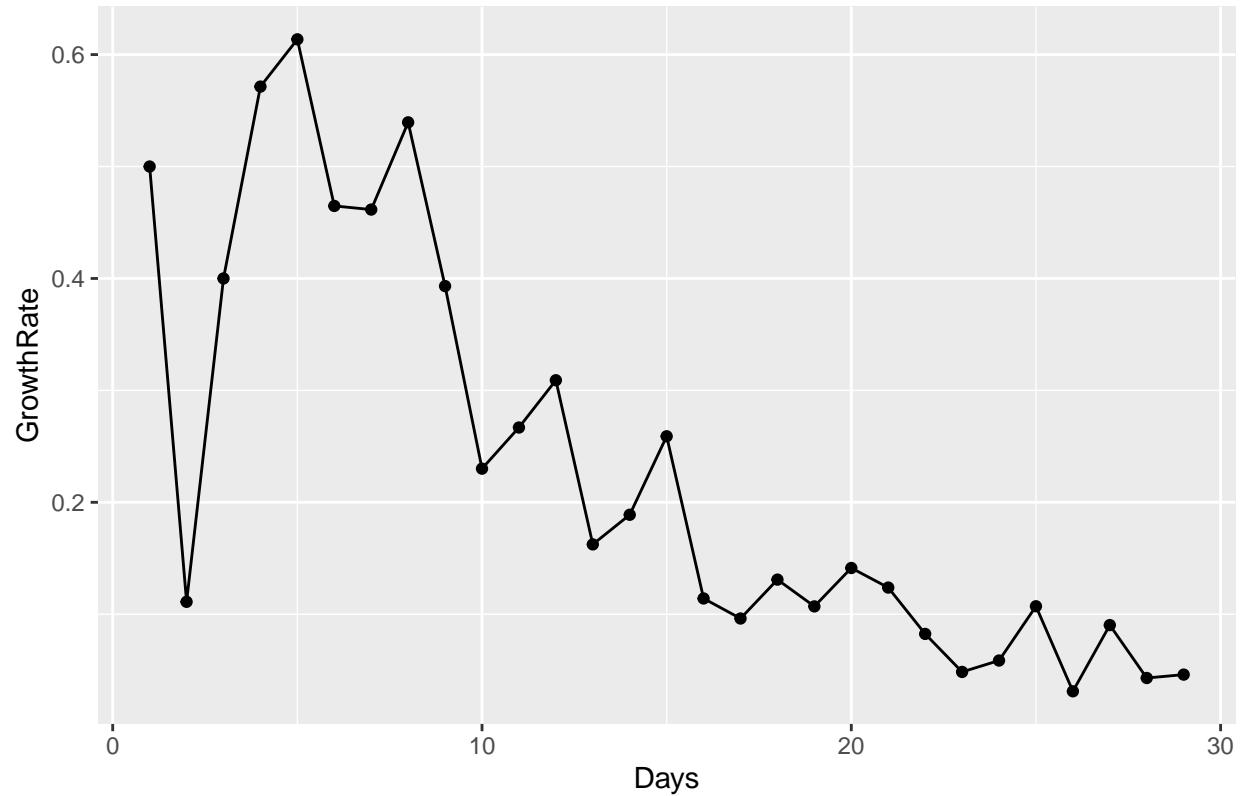
Arizona: Daily Cases



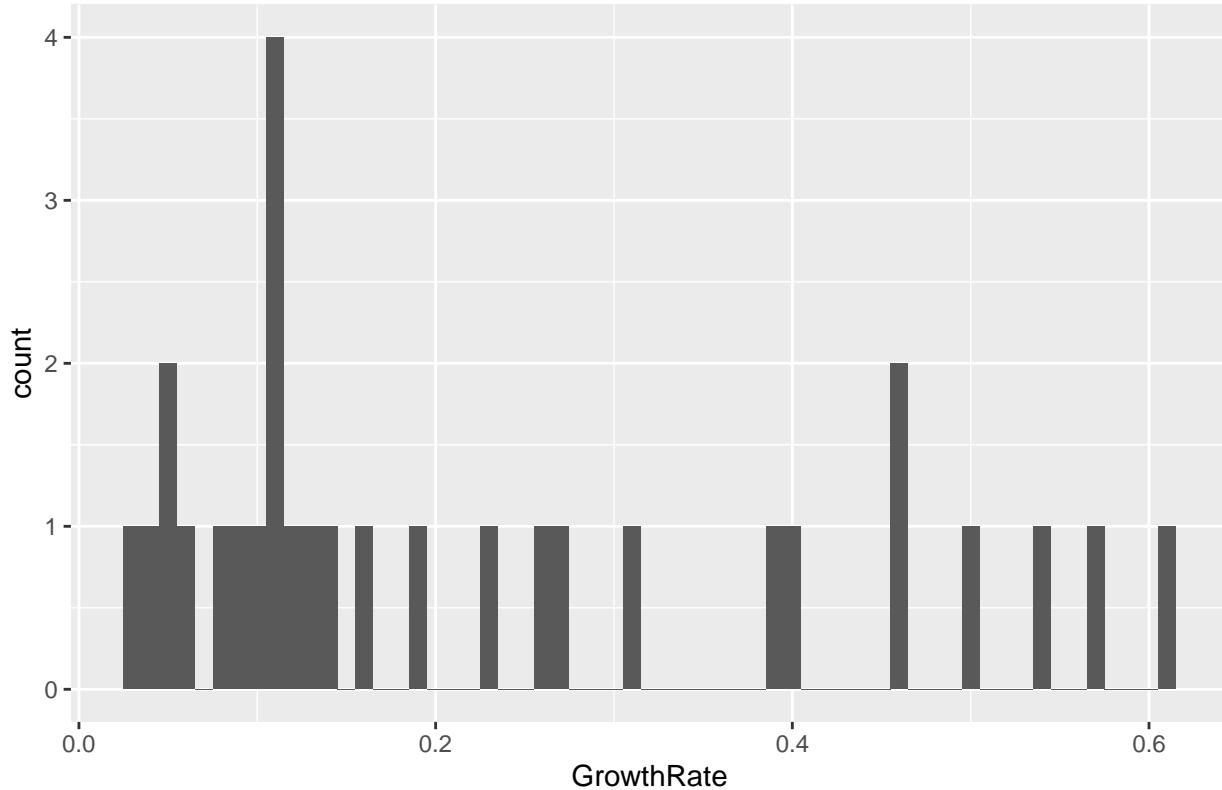
Arizona: Rate of change in Growth Rate



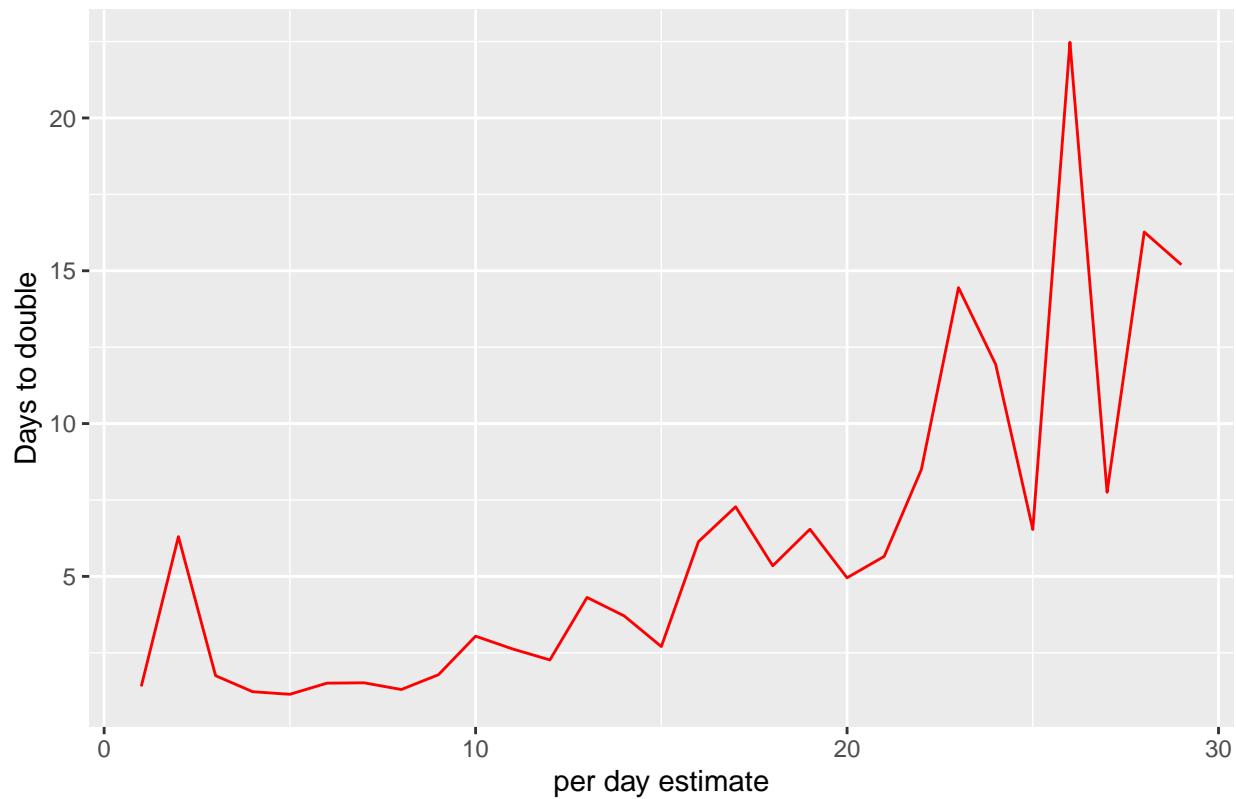
Arizona: Growth Rate



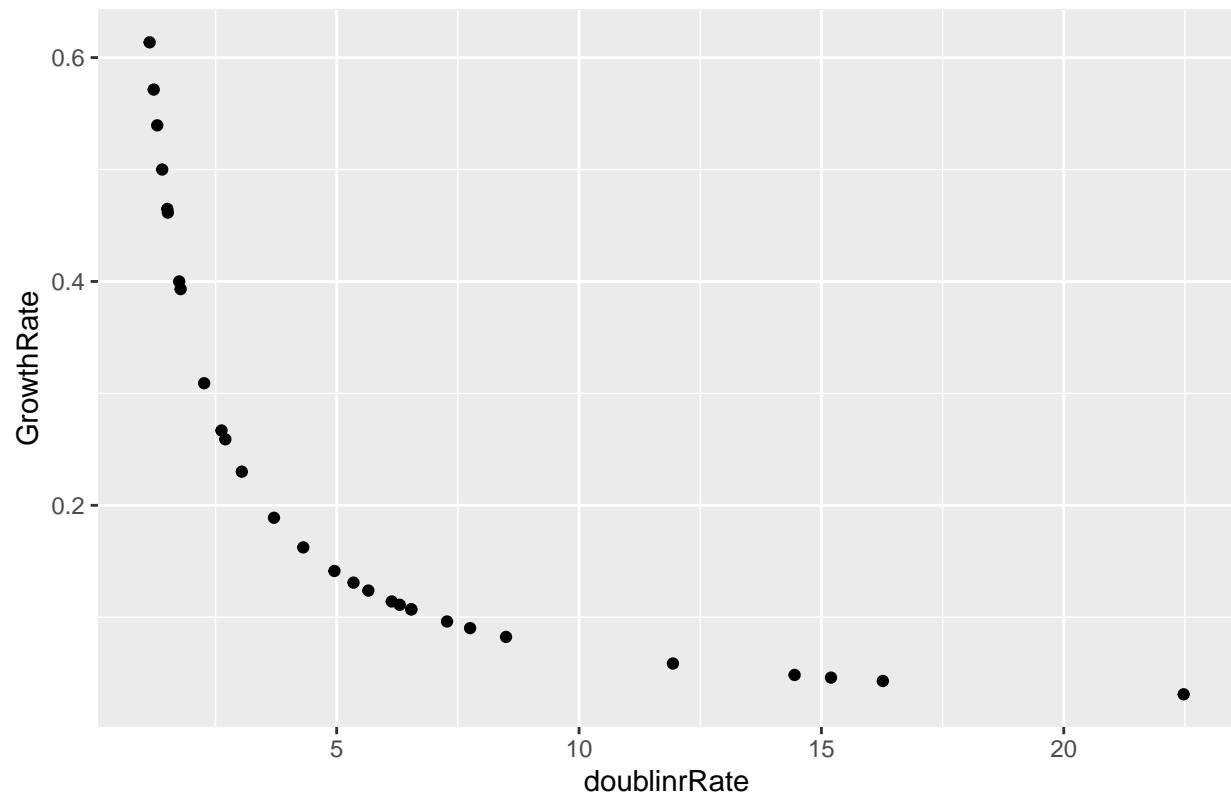
Histogram of GrowthRate



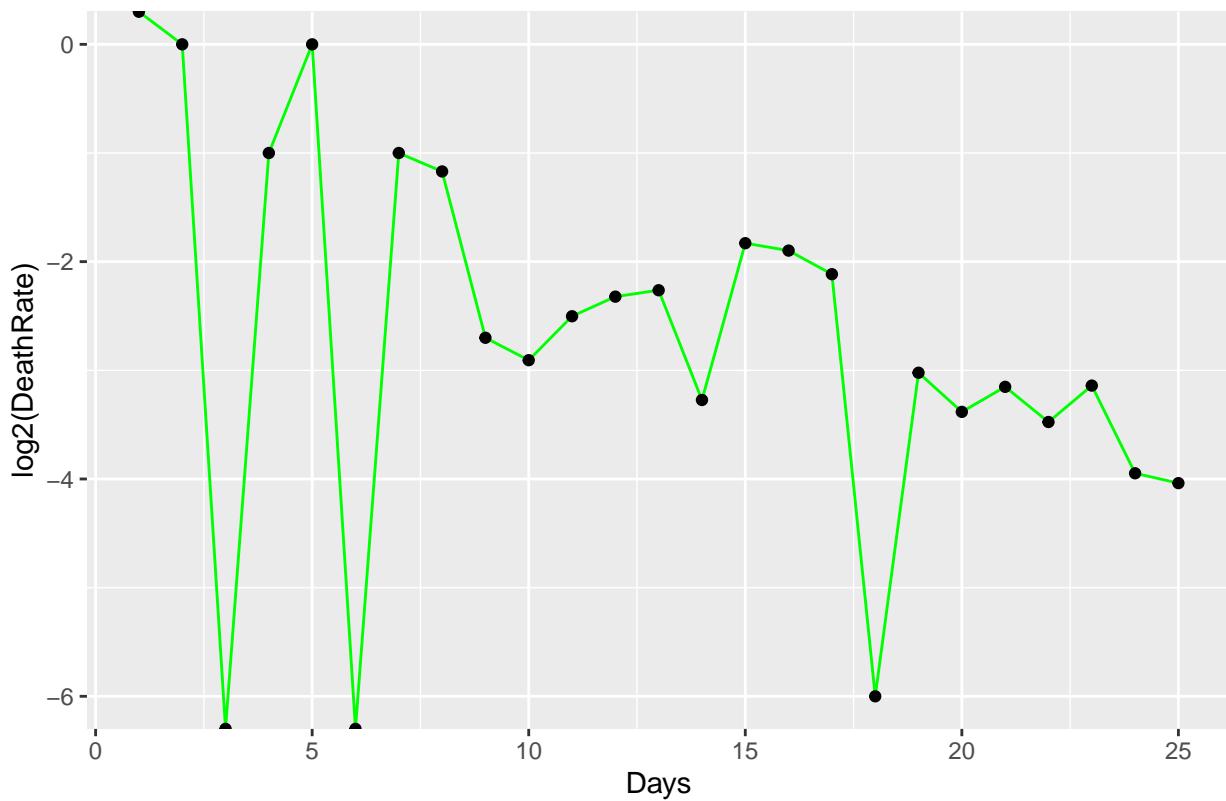
Doubling Rate in days



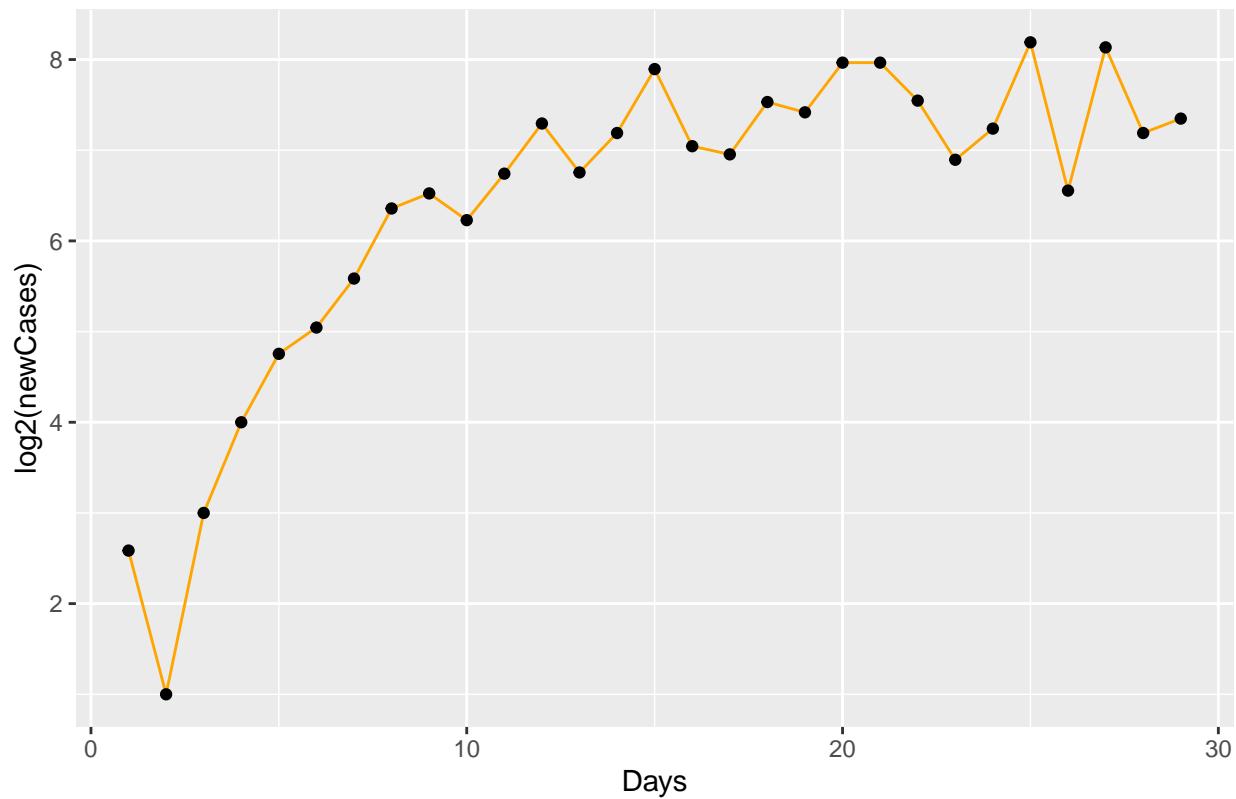
Doubling Rate vs Growth Rate



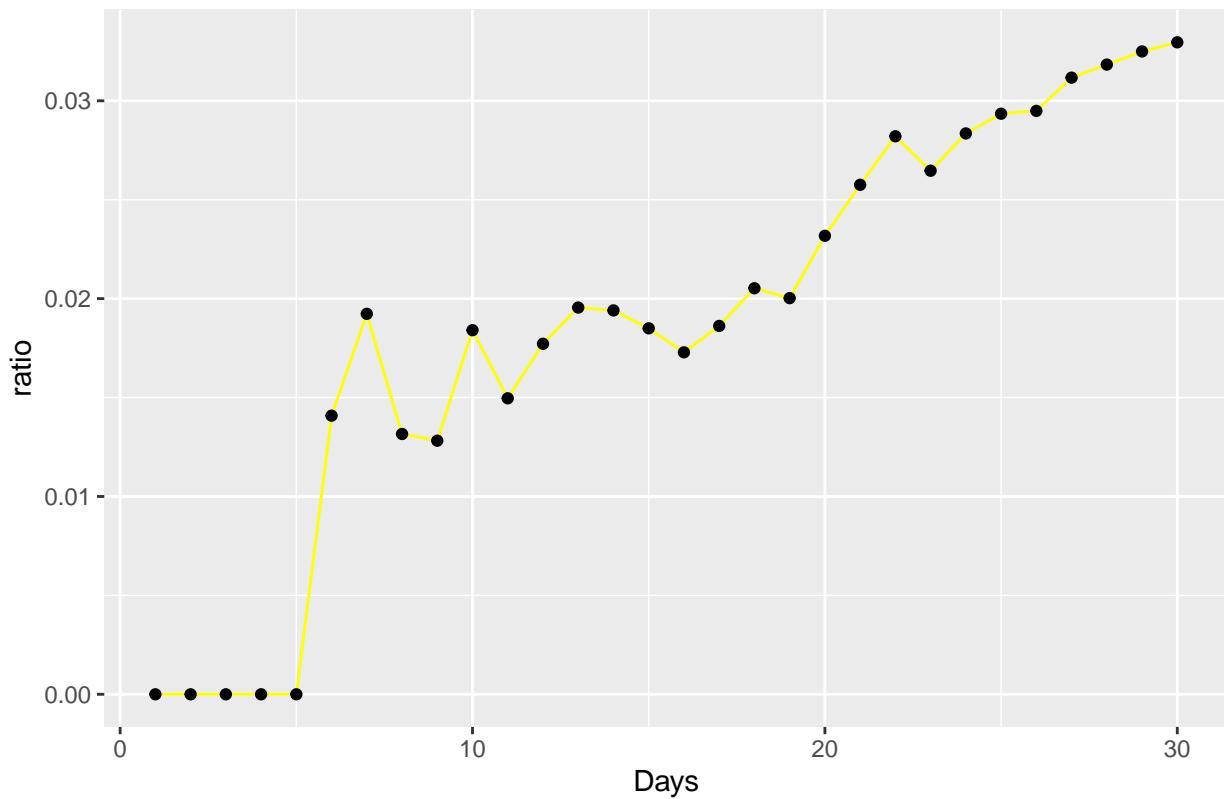
Arizona: Daily Death Rate



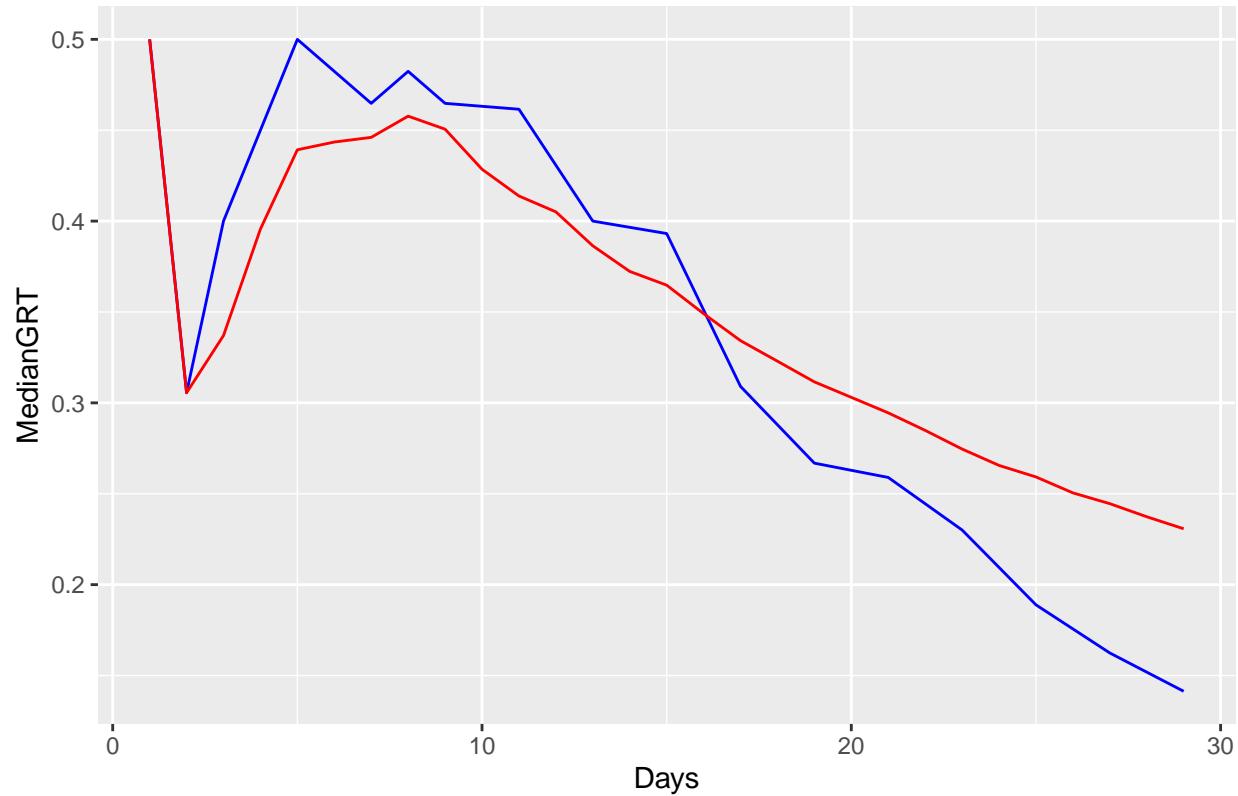
Arizona:newCases(Orange)



Arizona: TotalDeaths/TotalCases



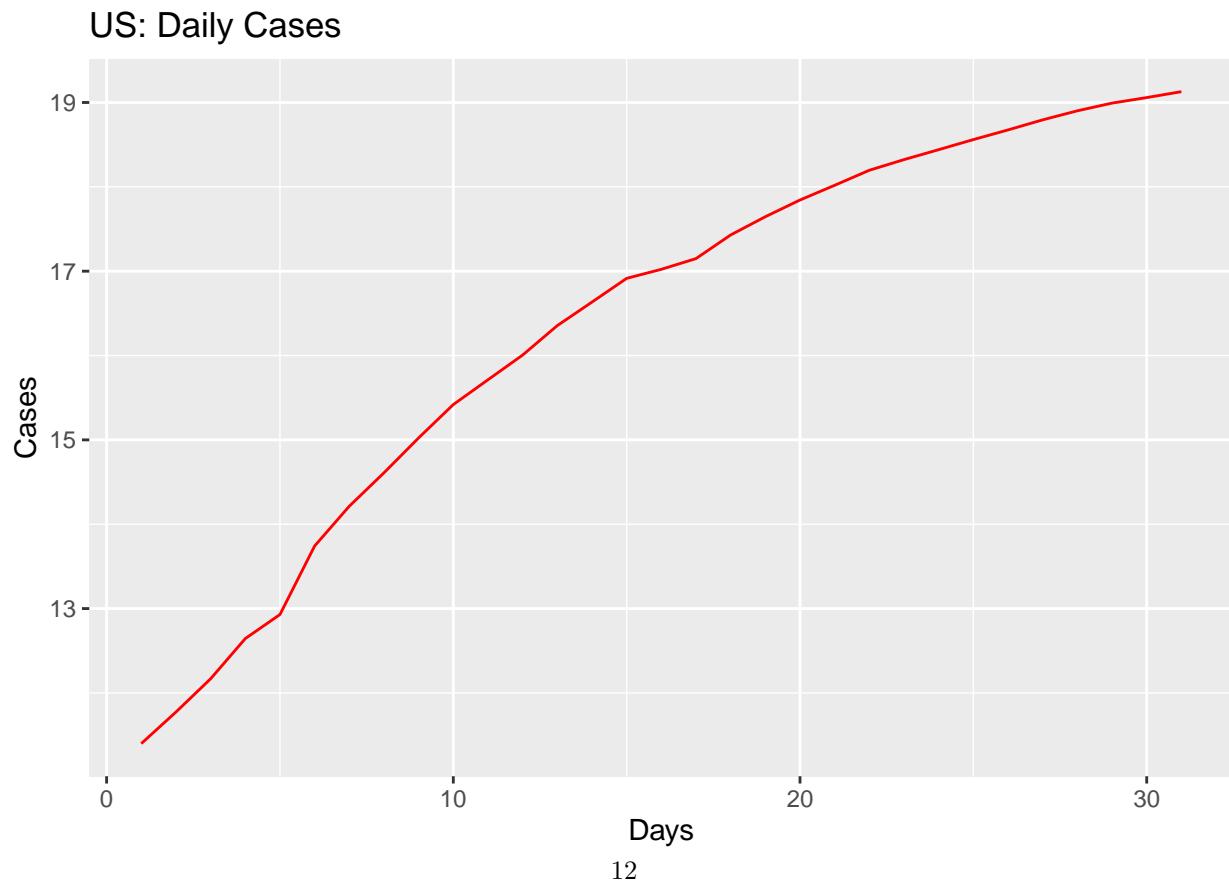
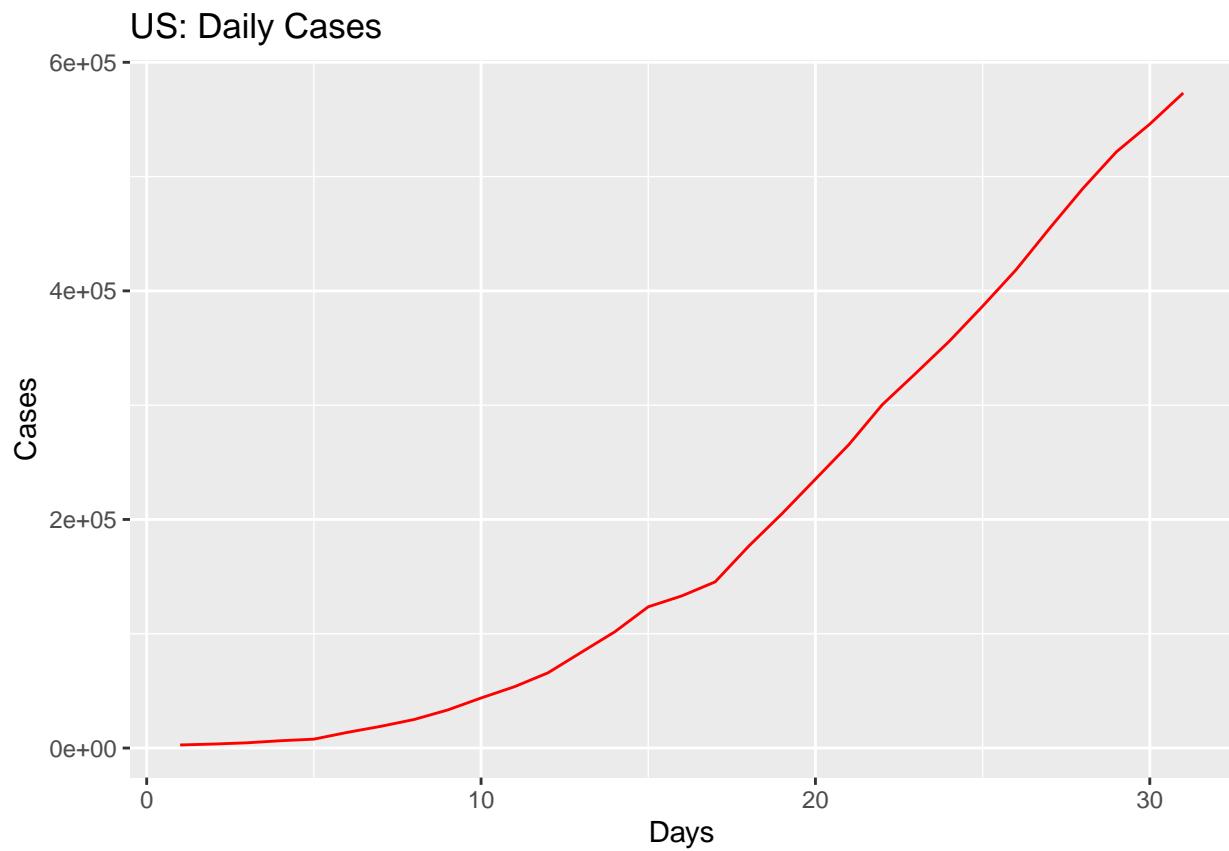
Arizona Median(BLUE)VsMean(RED) Growth Rate



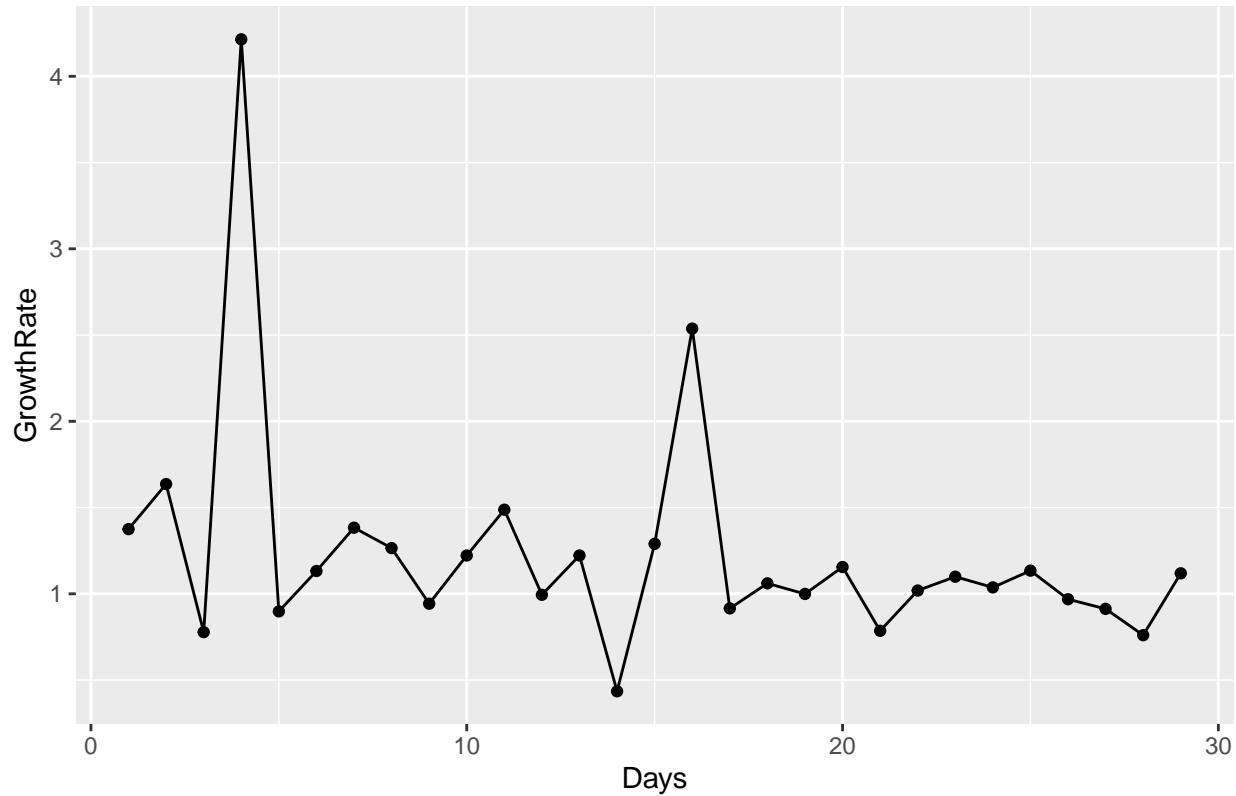
Results:

- Tomorrows predicted case number is between **3872.507488** and **4556.251932** 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 **5 days**.
- Latest Observed Growth Rate **4.6058209** percent.
- Mean Growth Rate: **23.0754169** percent.
- Median Growth Rate: **14.1322781** percent.
- Standard deviation: +/- **18.2049996**.

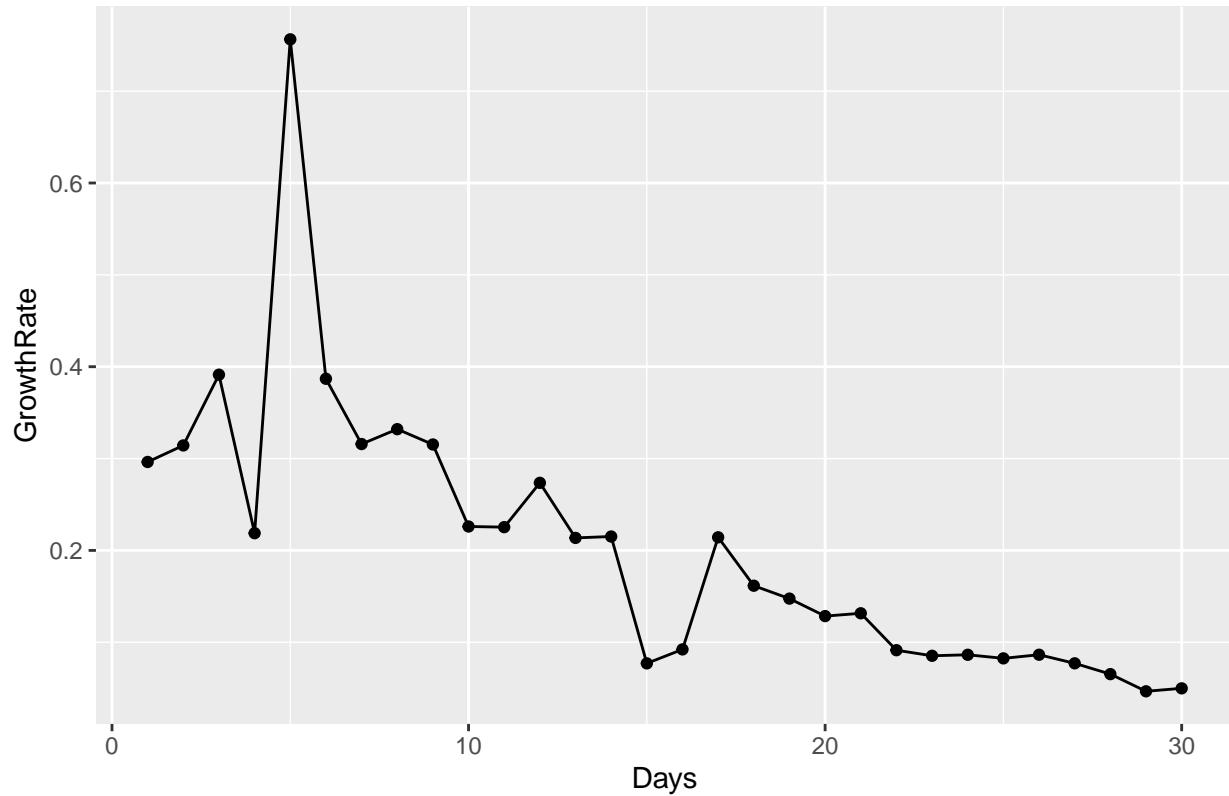
US Corona Dashboard



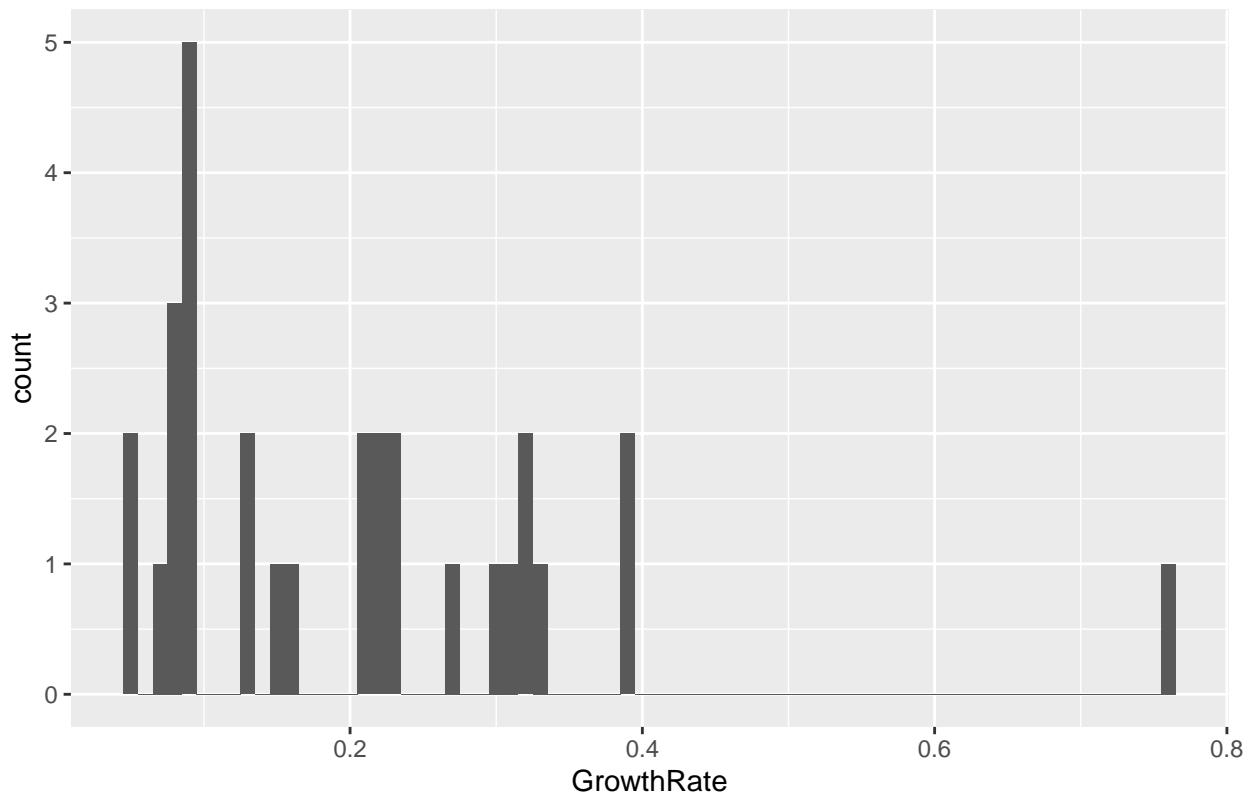
US: Rate of change in Growth Rate



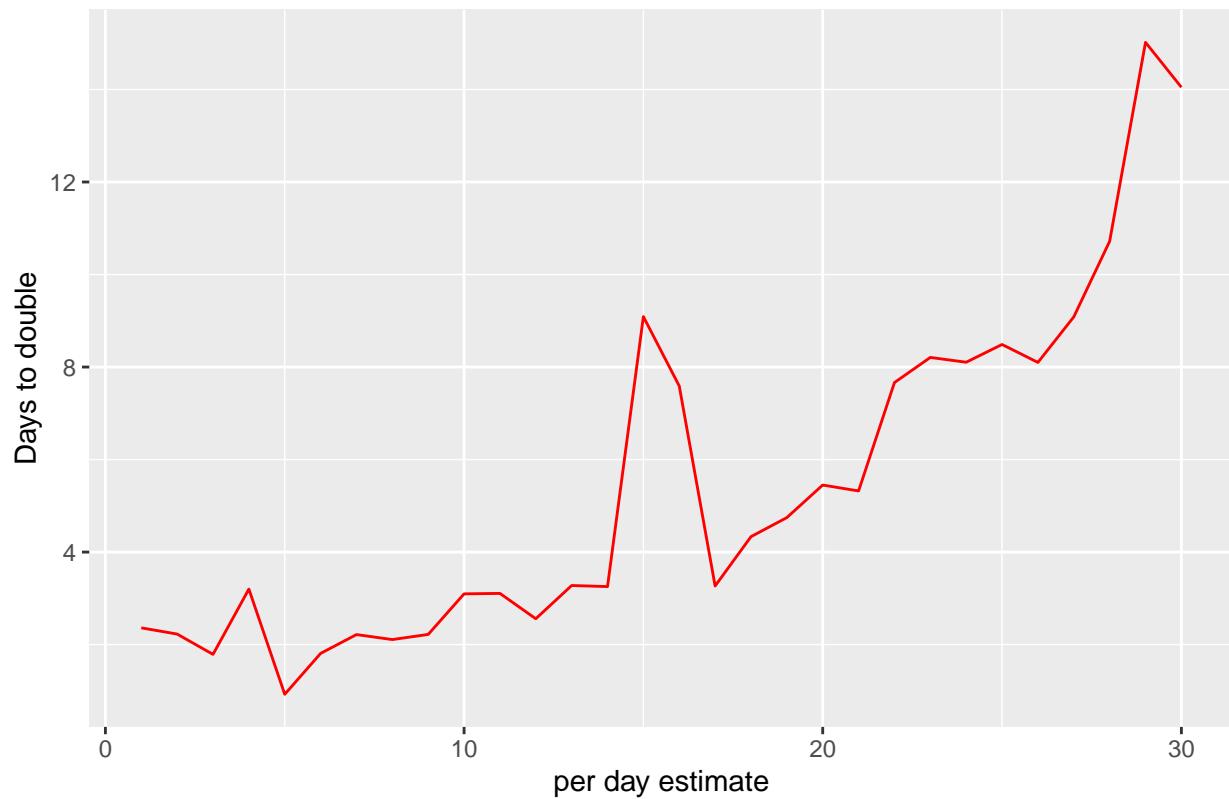
US: Growth Rate



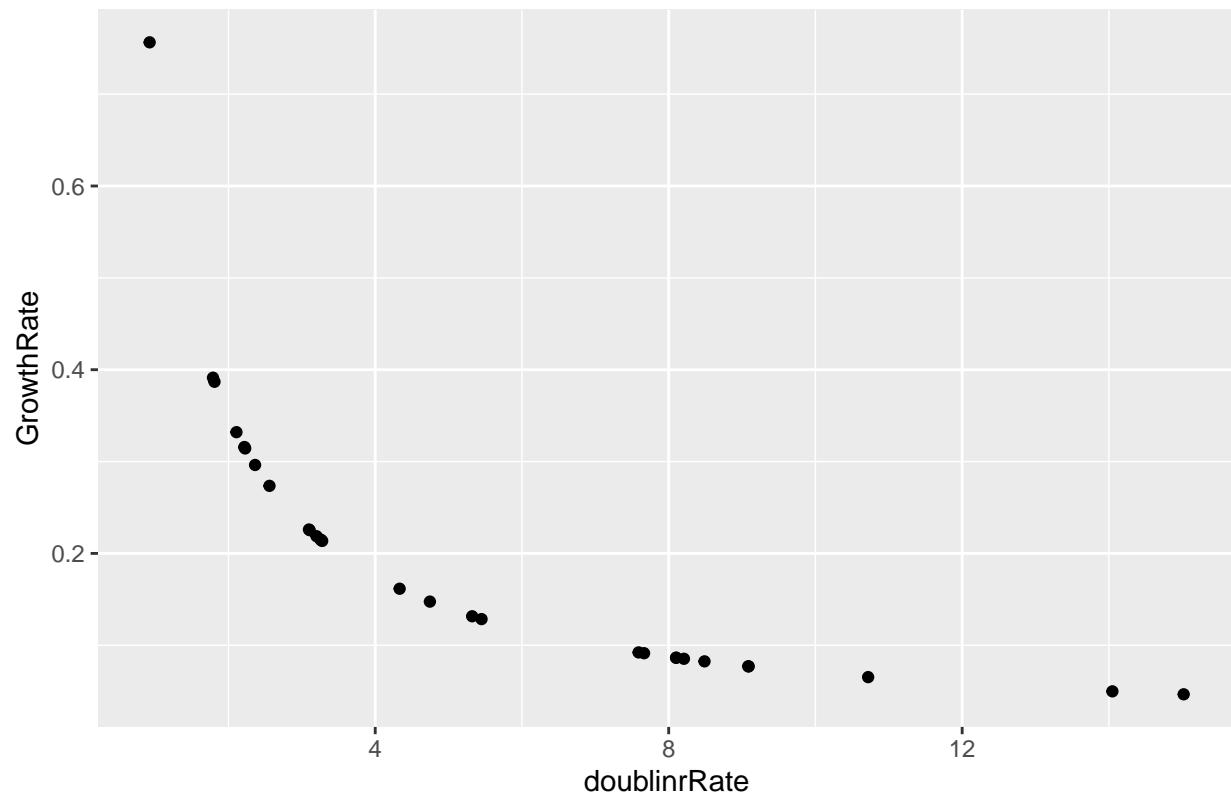
Histogram of GrowthRate



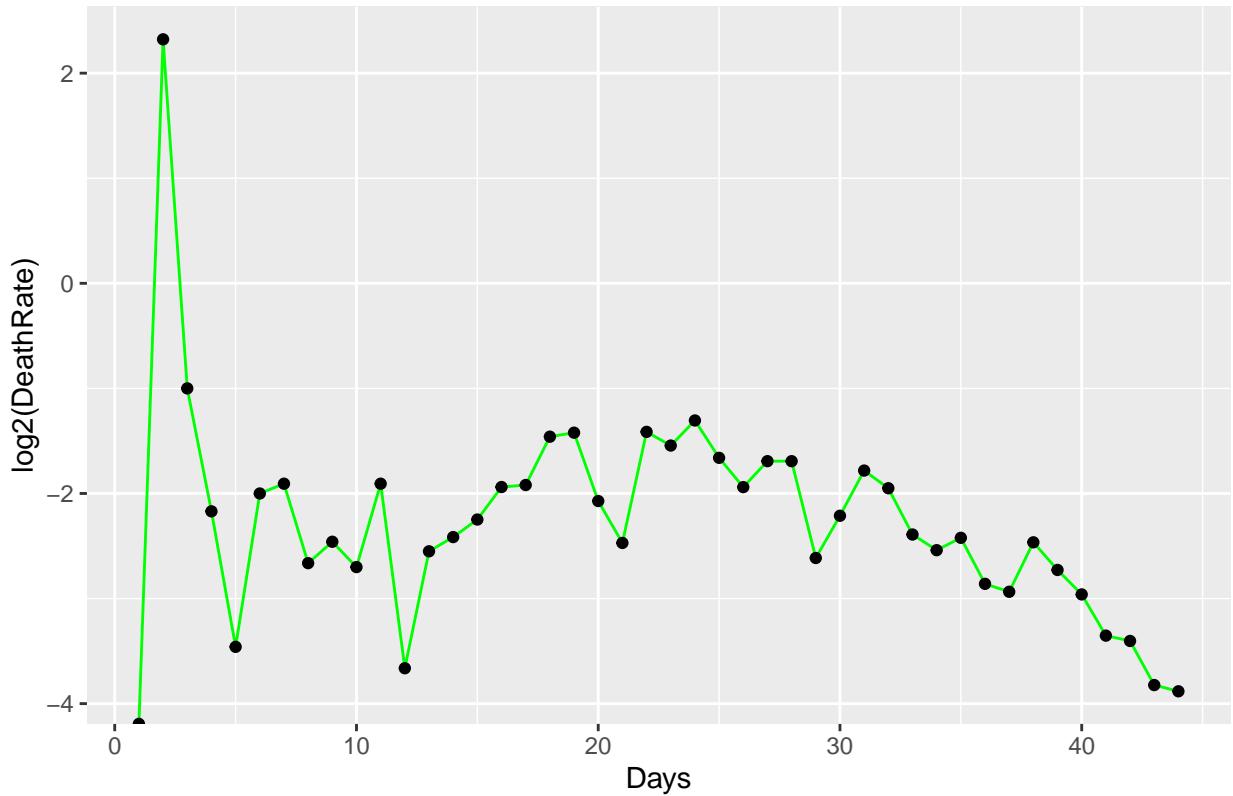
Doubling Rate in days



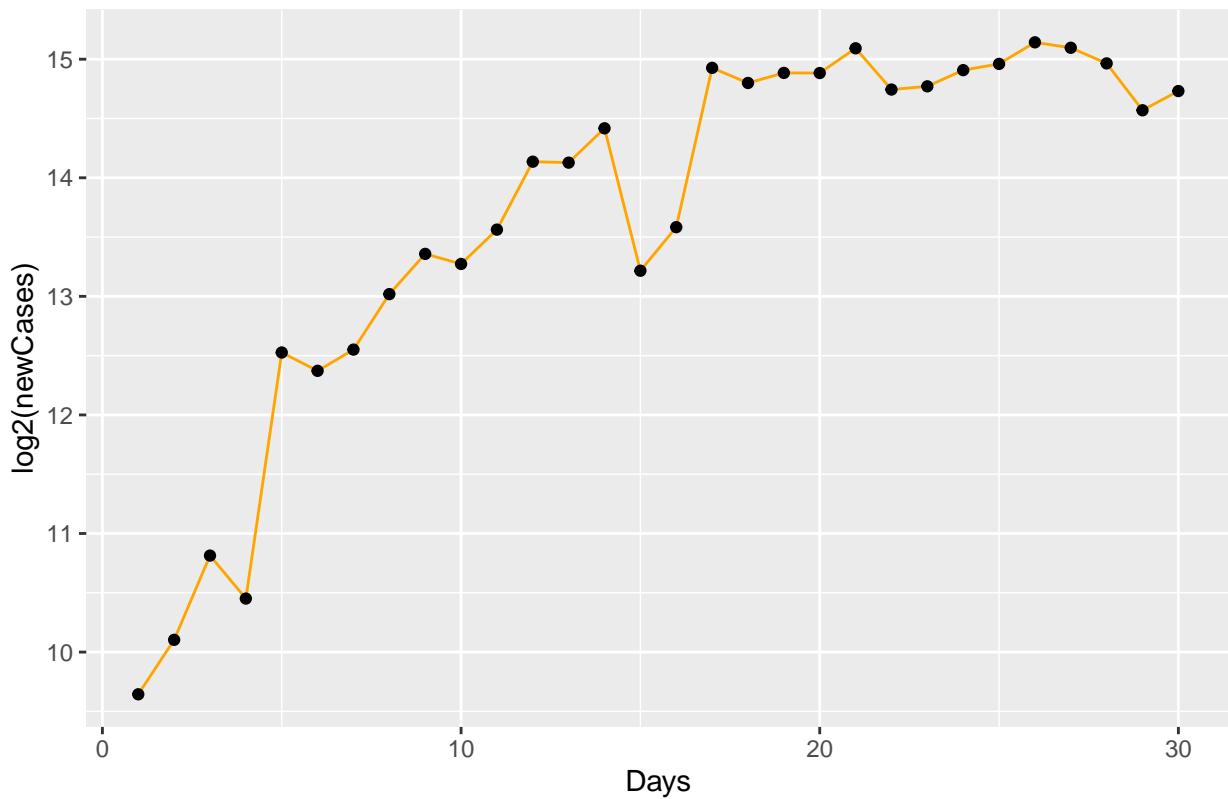
Doubling Rate vs Growth Rate



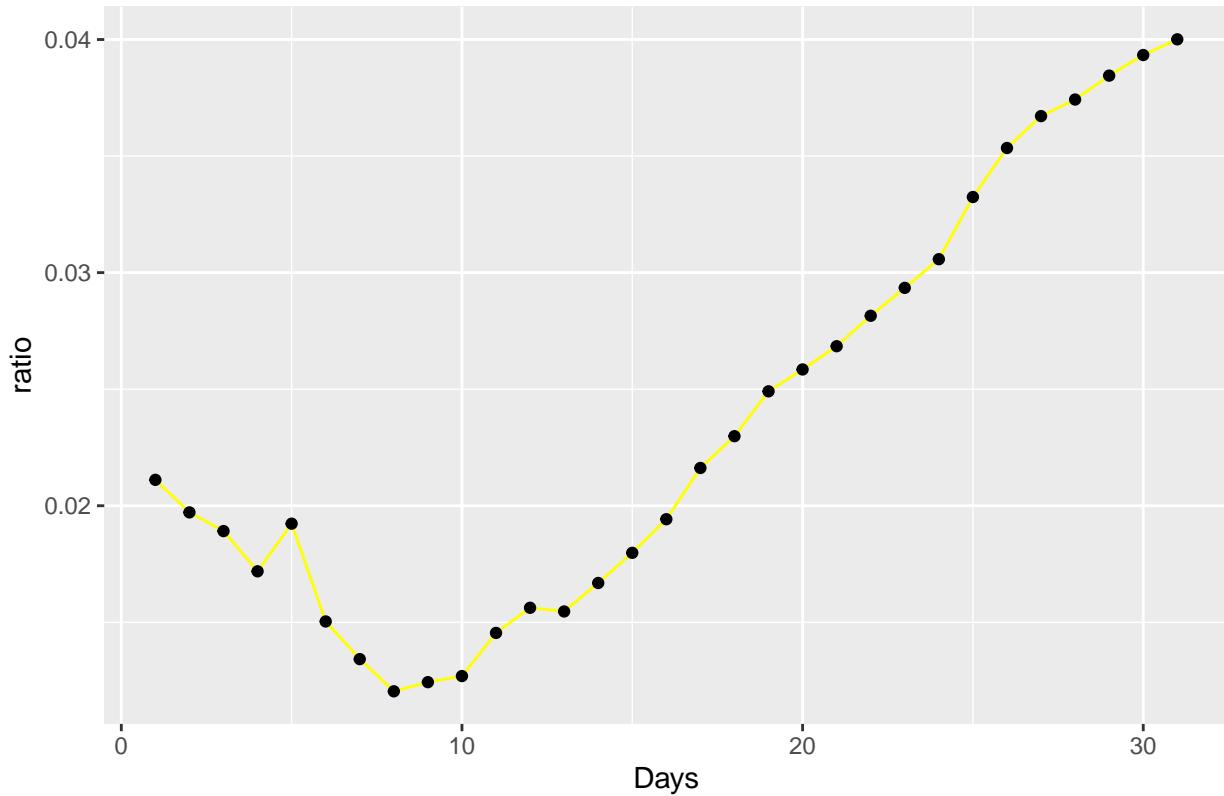
US: Daily Death Rate



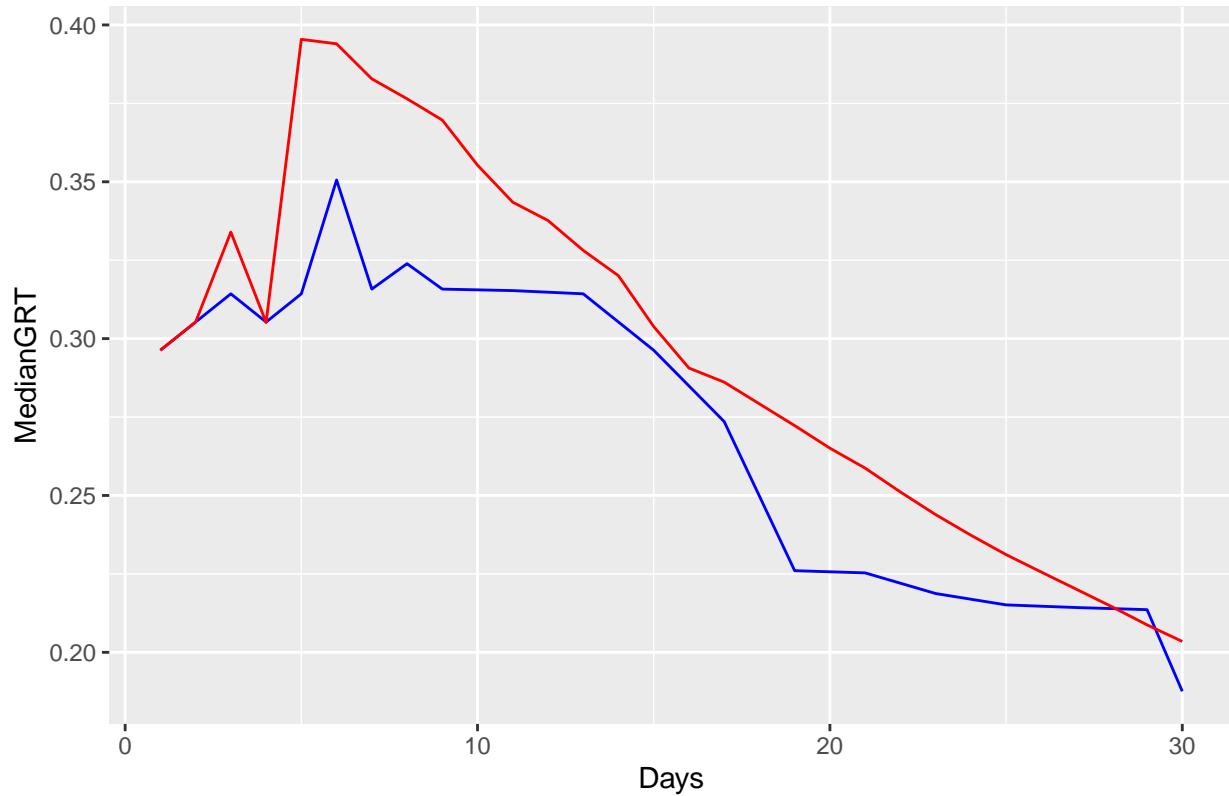
US:newCases(Orange)



US: TotalDeaths/TotalCases



US Median(BLUE)VsMean(RED) Growth Rate

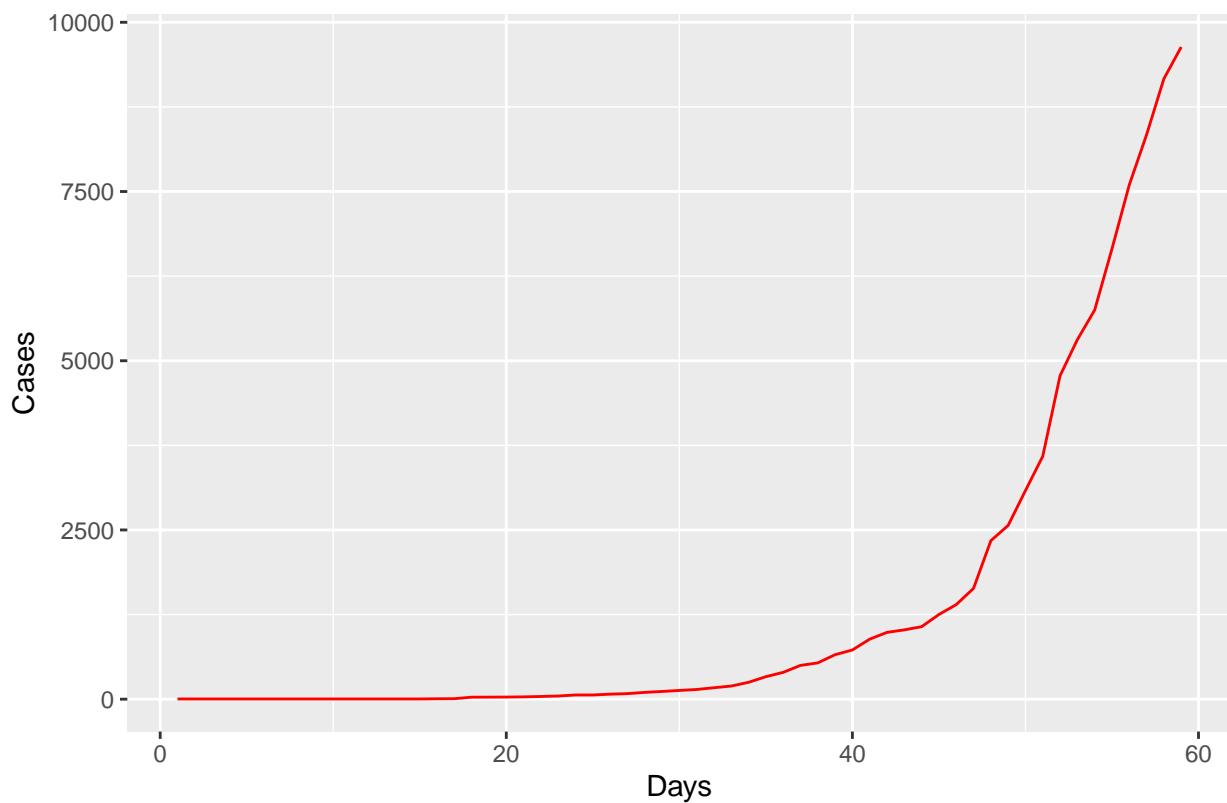


Results:

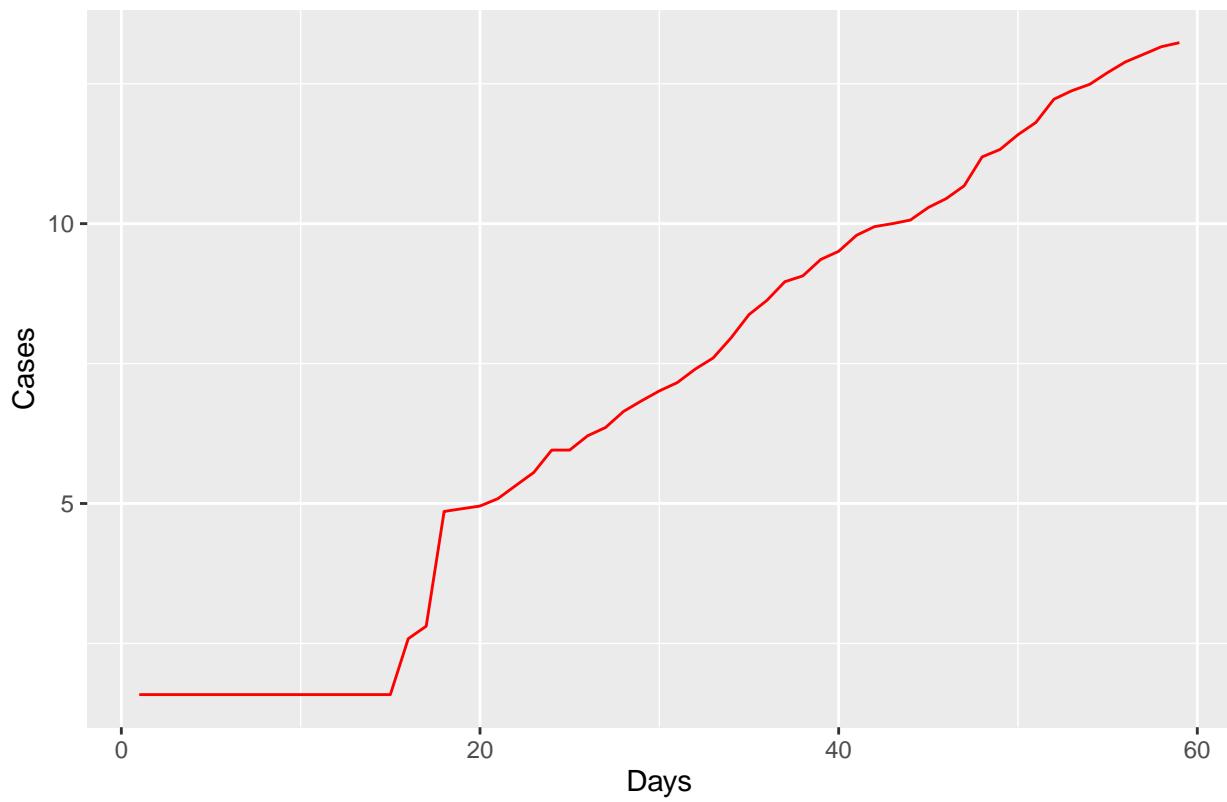
- Tomorrows predicted case number is between 6.0169758×10^5 and 6.8975103×10^5 cases.
- Current doubling rate is **14 days**
- Mean doubling rate, i.e number of cases doubles every **3 days**.
- Median doubling rate, i.e number of cases doubles every **4 days**.
- Latest Observed Growth Rate **4.9830199** percent.
- Mean Growth Rate: **20.3464142** percent.
- Median Growth Rate: **18.7578374** percent.
- Standard deviation: +/- **14.8511713**.

India Corona Dashboard

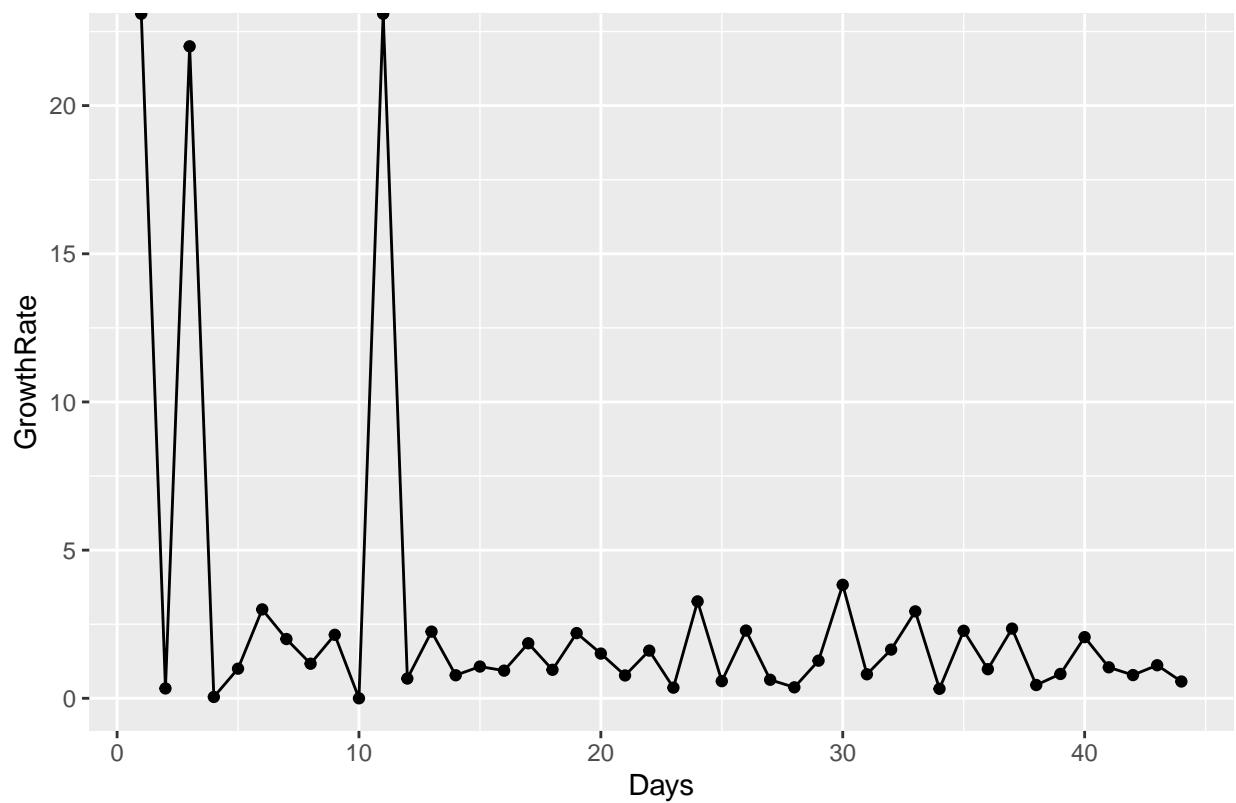
India: Daily Cases



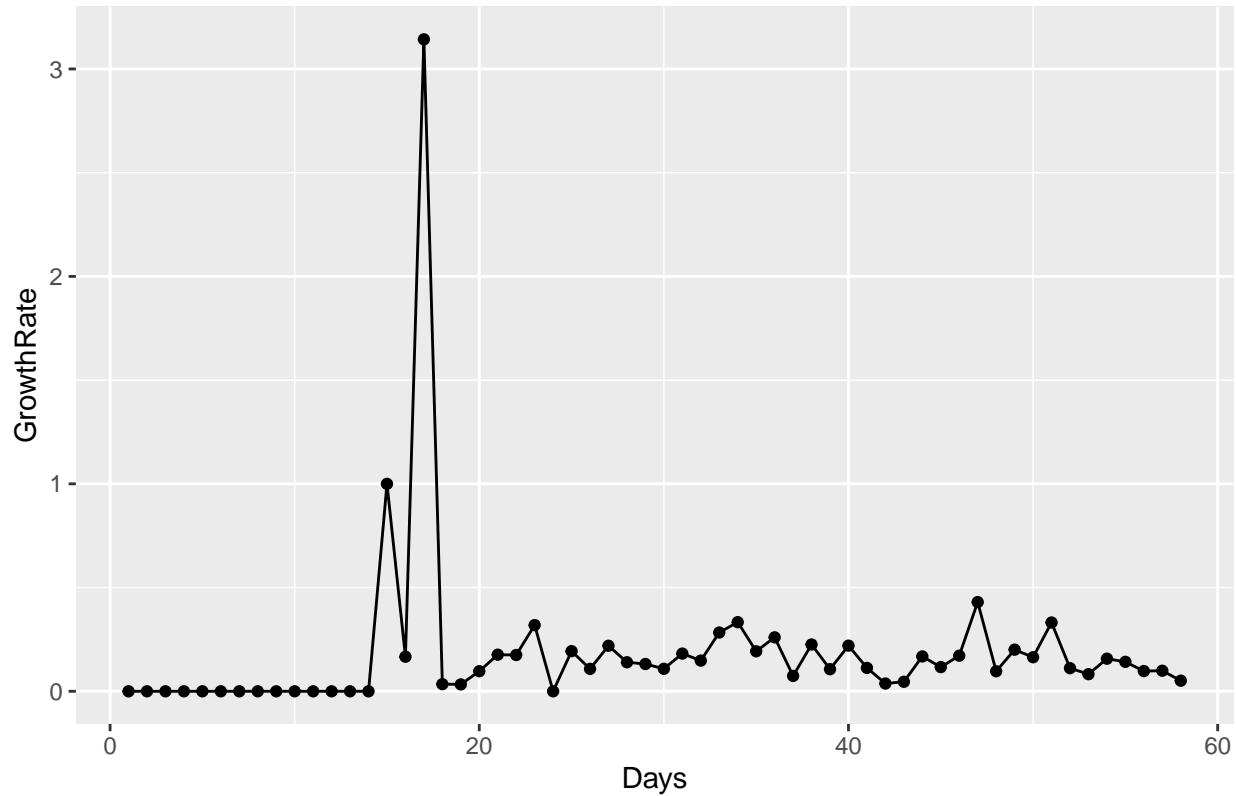
India: Daily Cases



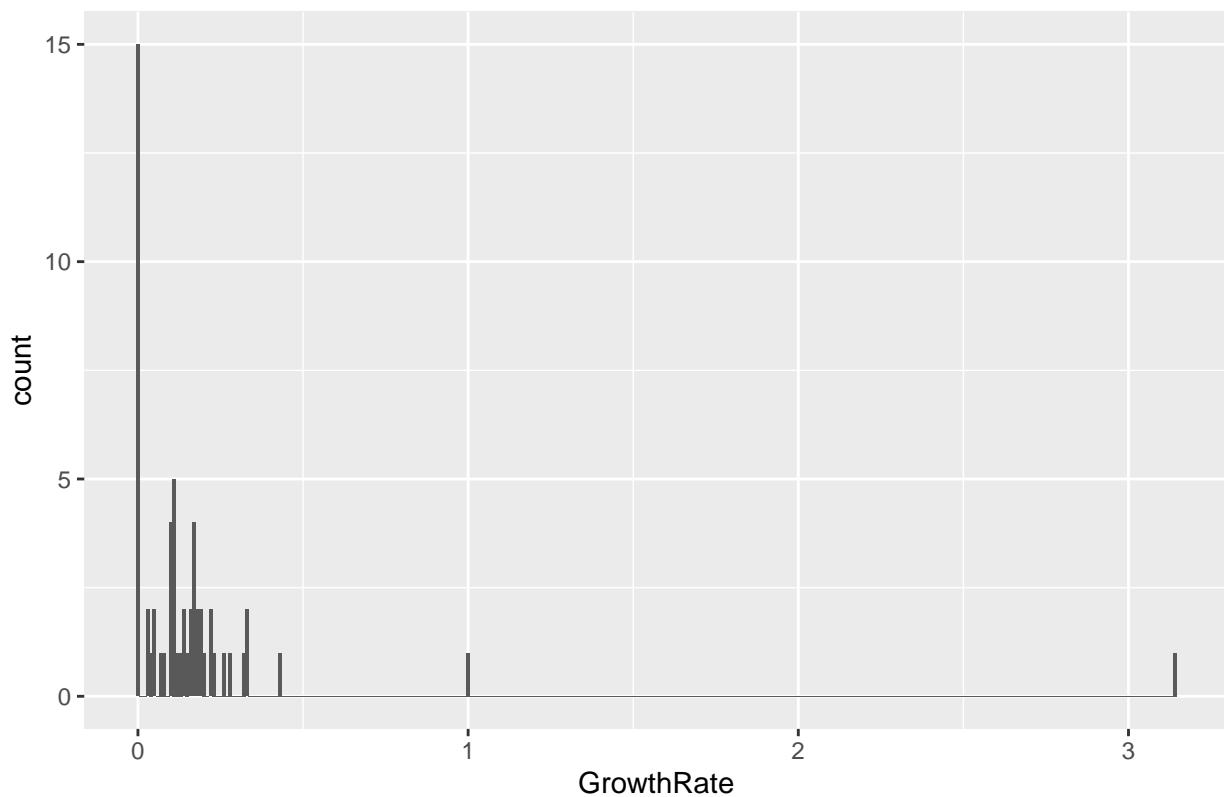
US: Rate of change in Growth Rate



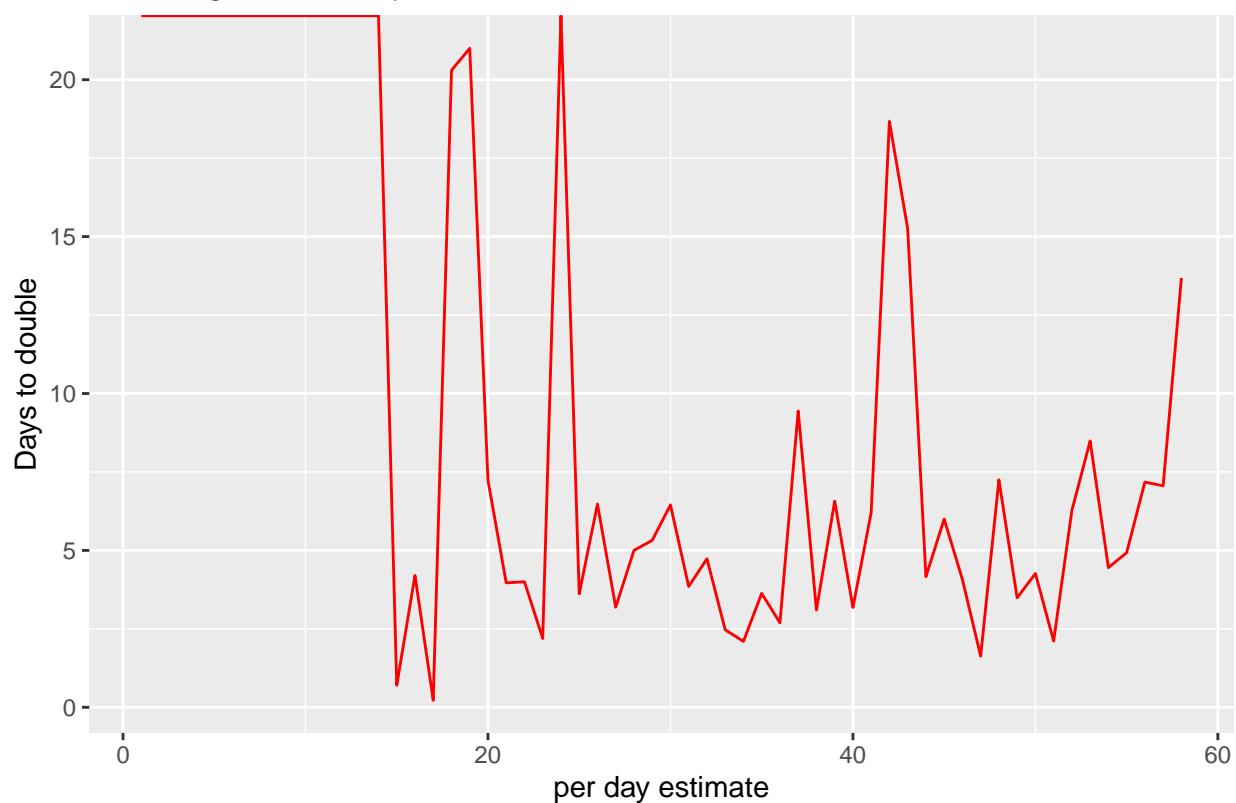
India: Growth Rate



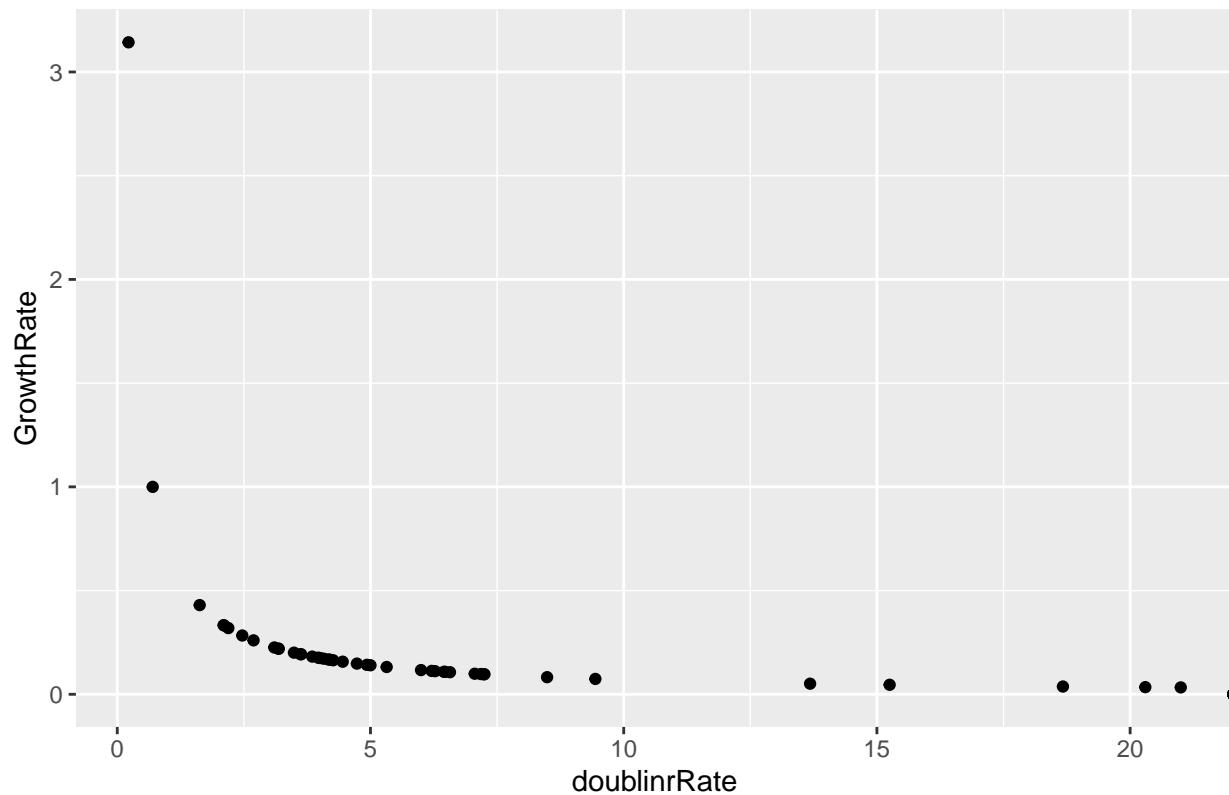
Histogram of GrowthRate



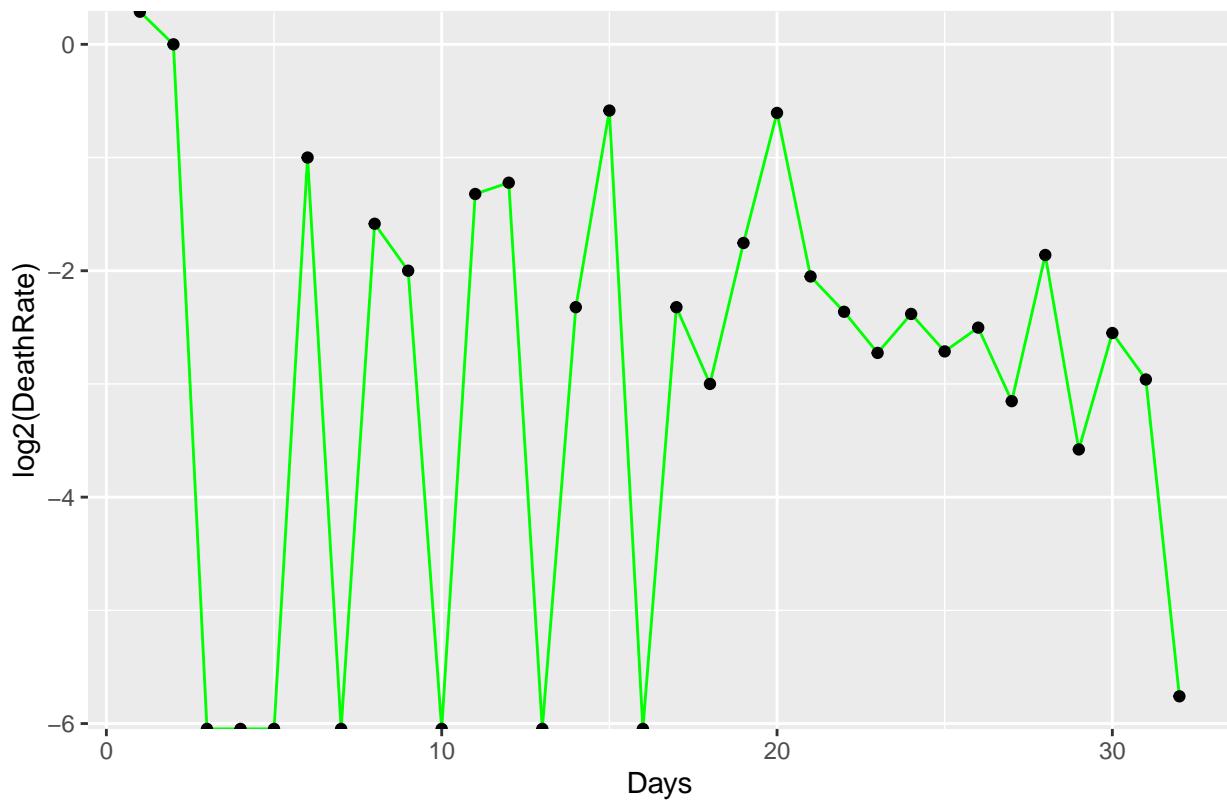
Doubling Rate in days



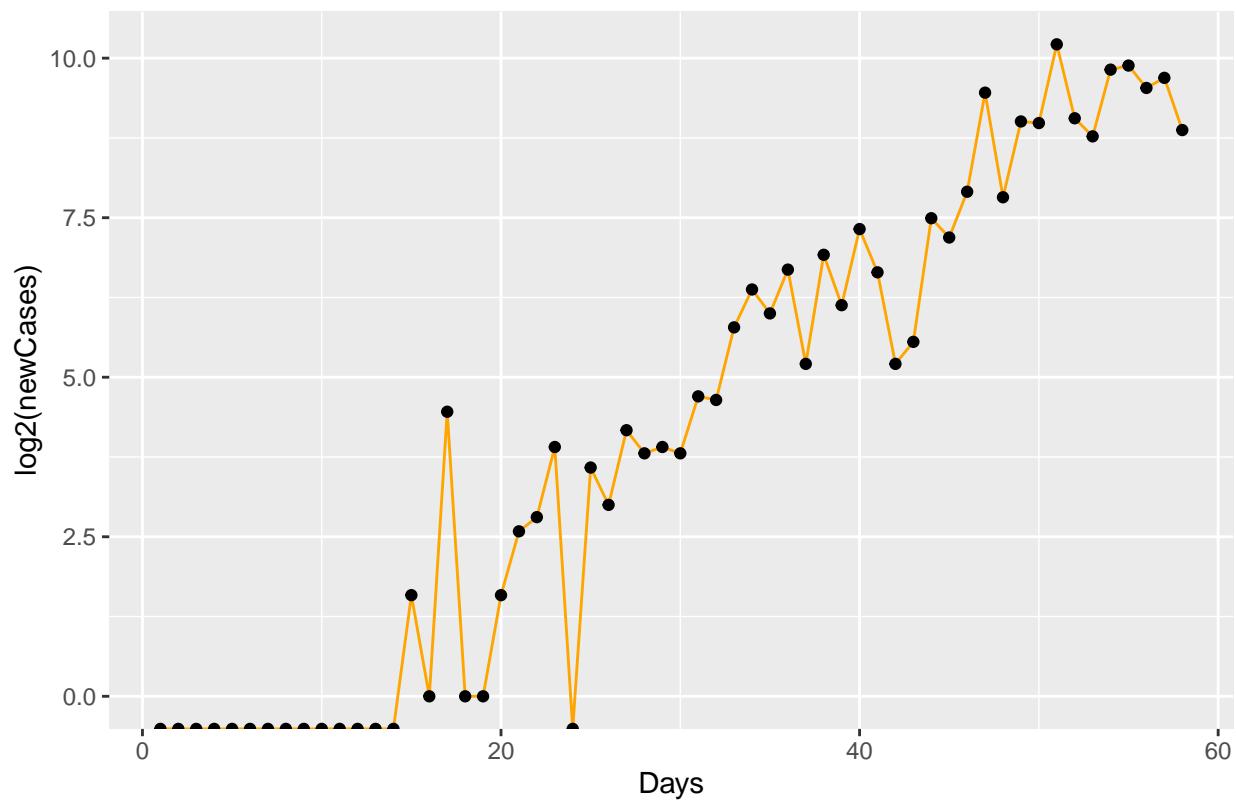
Doubling Rate vs Growth Rate



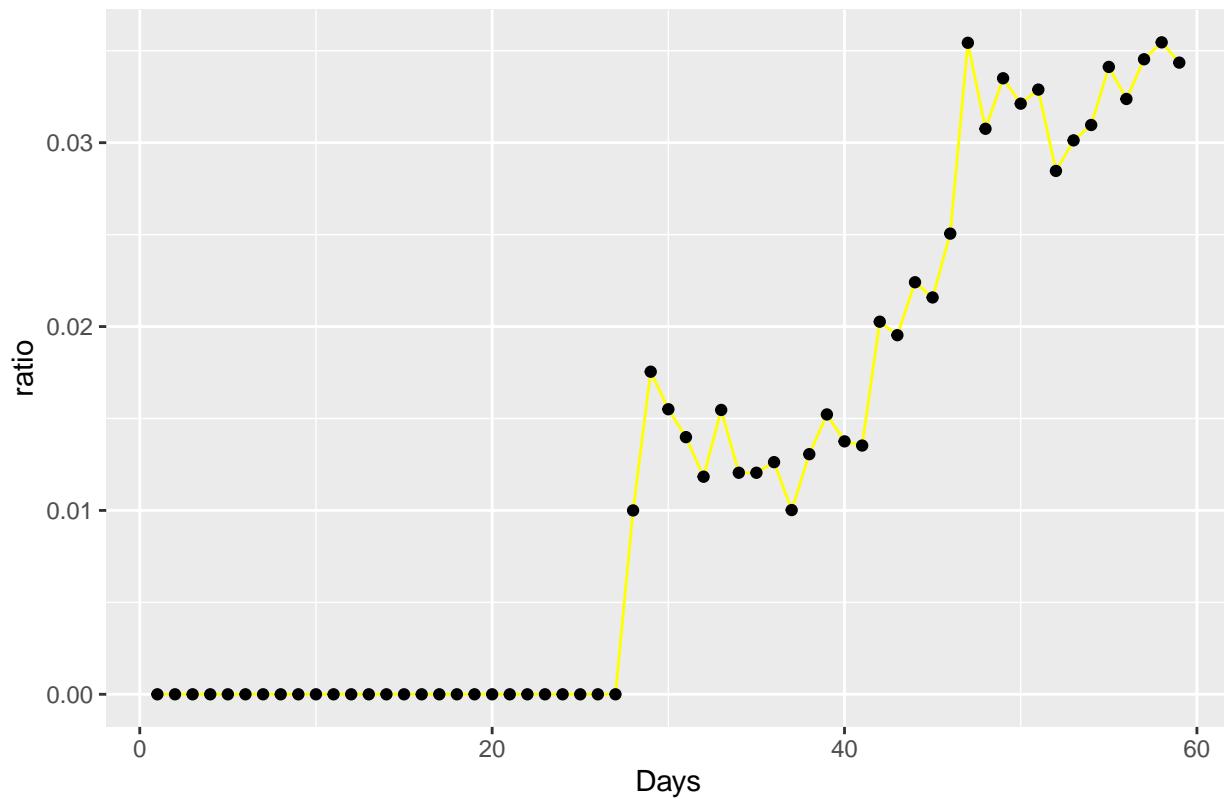
India: Daily Death Rate



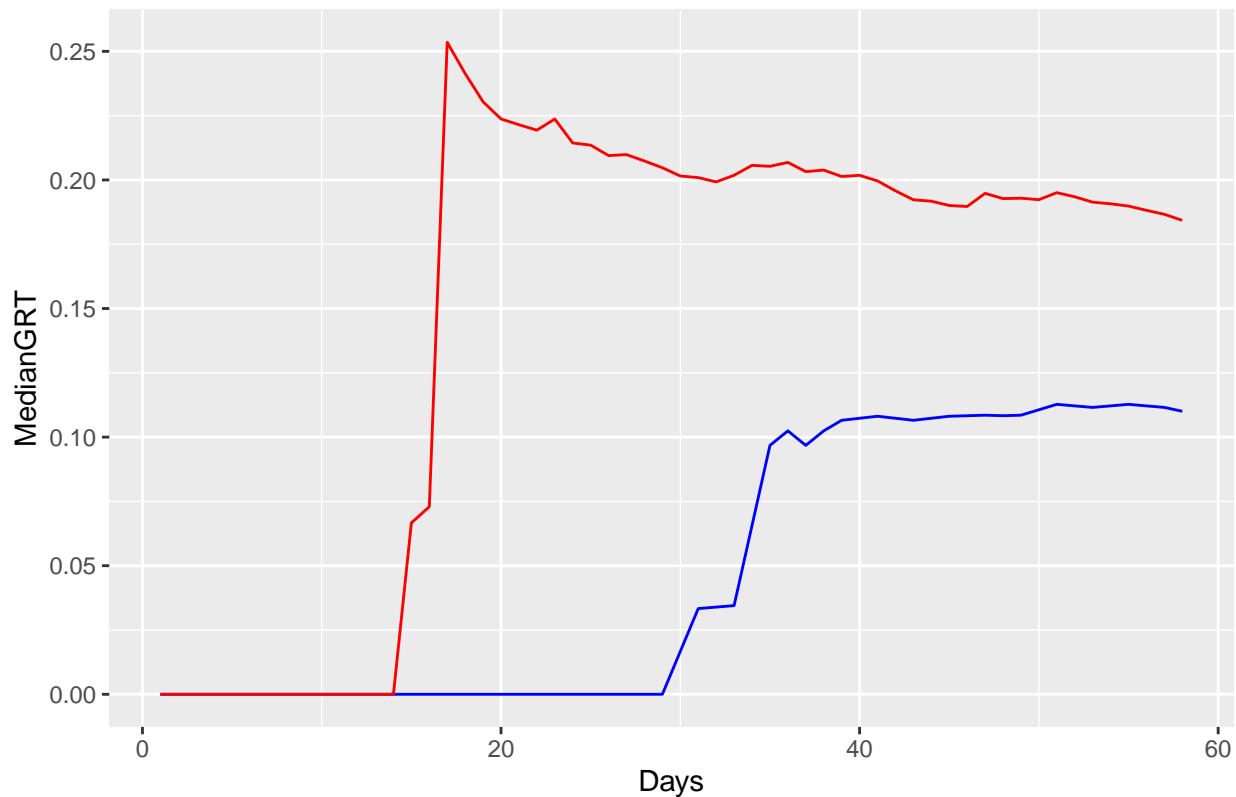
India:newCases(Orange)



India: TotalDeaths/TotalCases



India Median(BLUE)VsMean(RED) Growth Rate



Results:

- Tomorrows predicted case number is between 1.0127997×10^4 and 1.141065×10^4 cases.
- Current doubling rate is **14 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 **5.1167358** percent.
- Mean Growth Rate: **18.4291677** percent.
- Median Growth Rate: **11.0040041** percent.
- Standard deviation: +/- **42.4459146**.