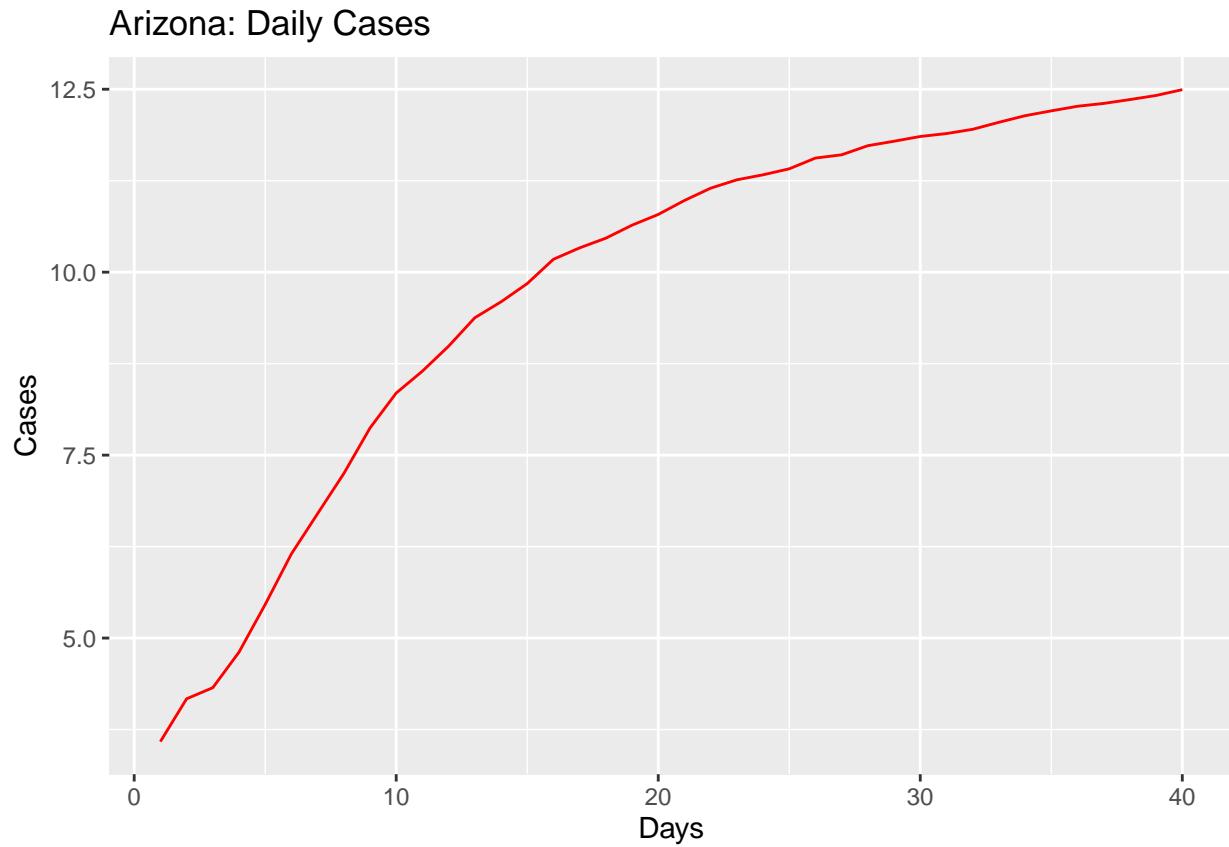
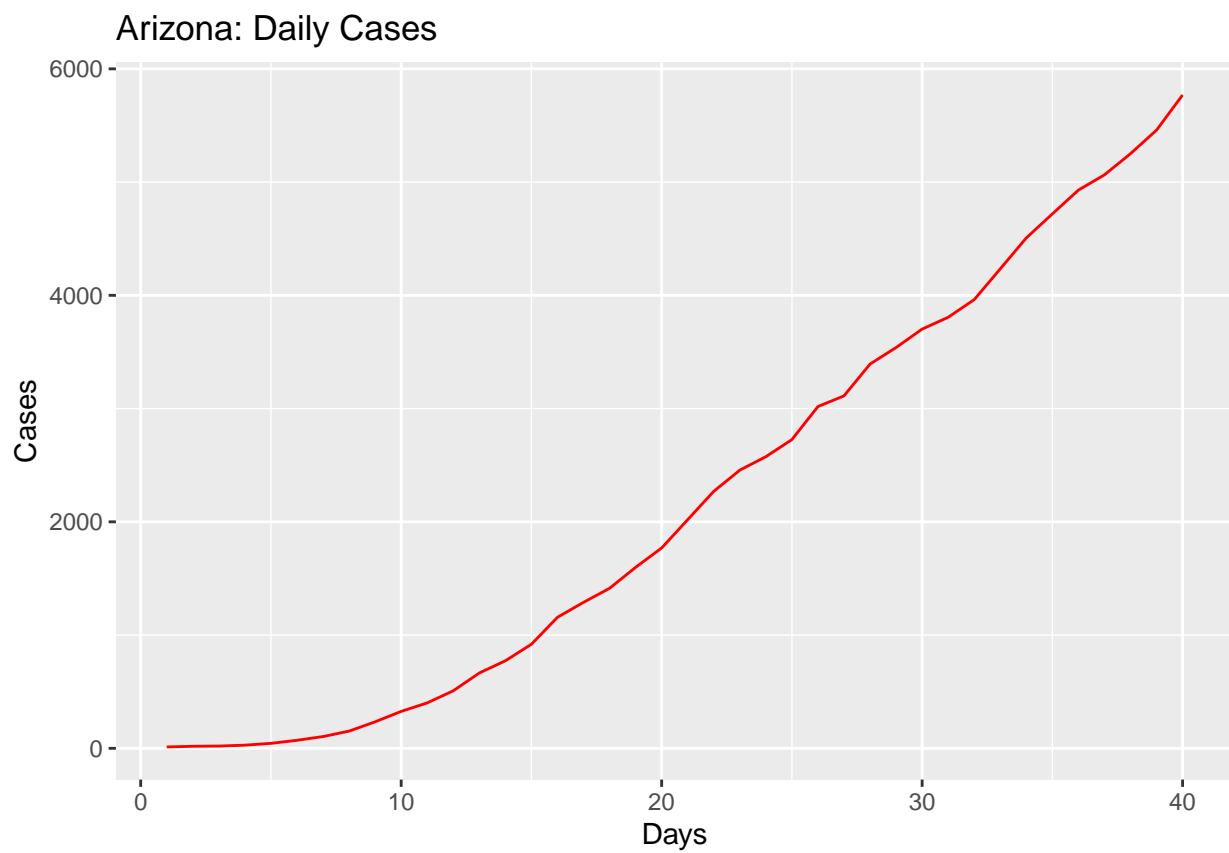


Arizona/US/India Corona Trends- 23rd April 2020 with tomorrow's prediction

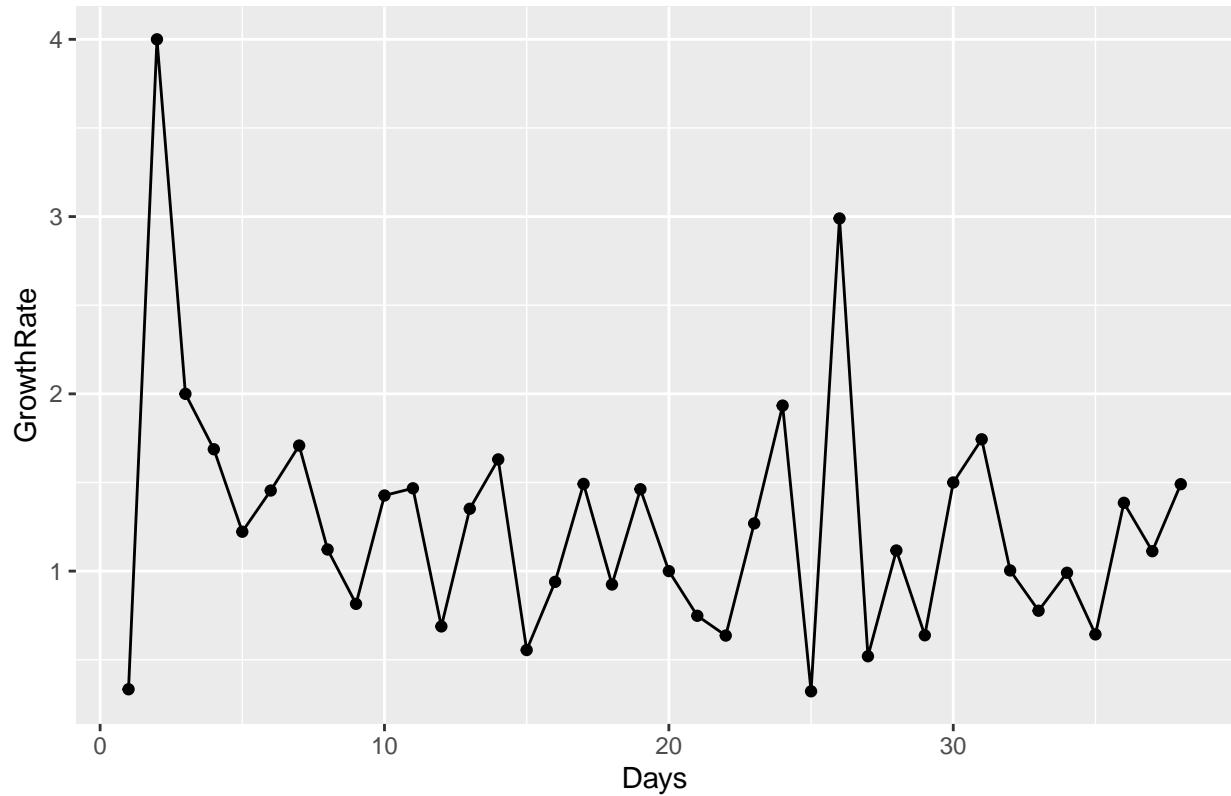
Whitchurch Muthumani

4/23/2020

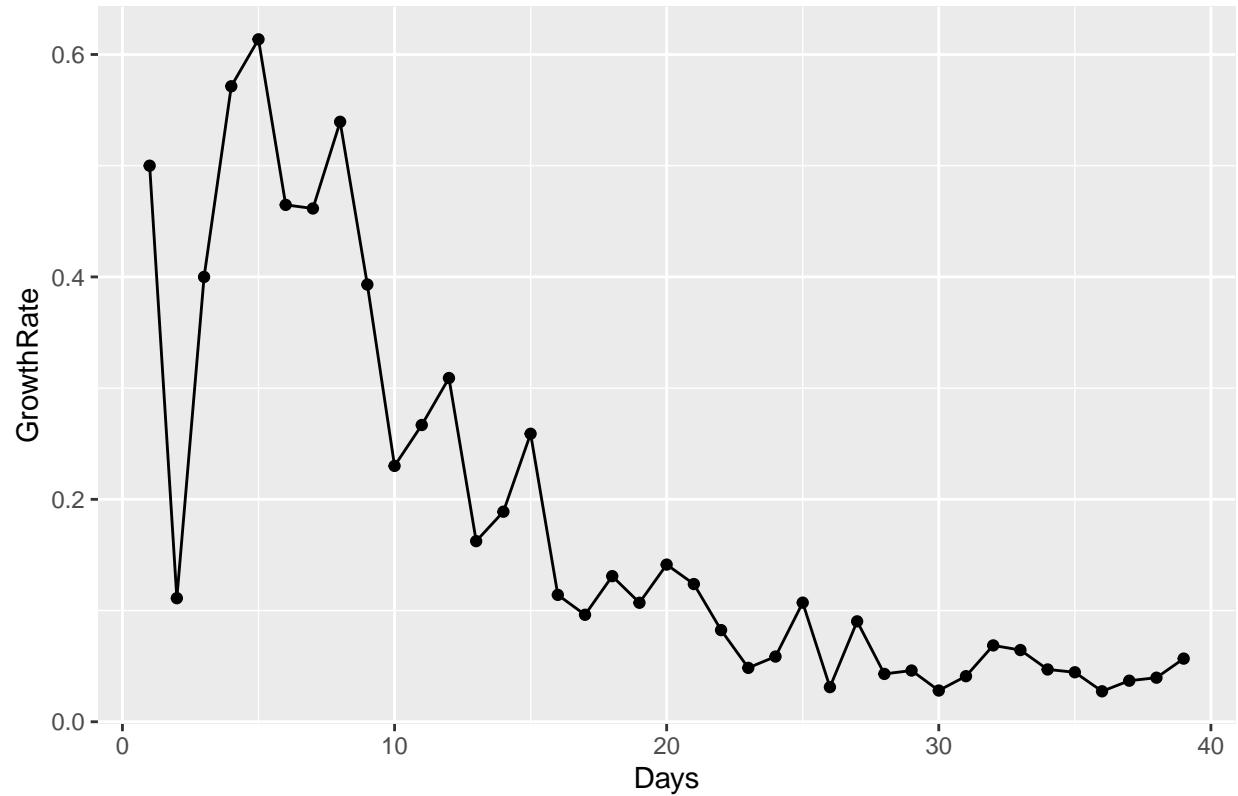
Arizona Corona Dashboard



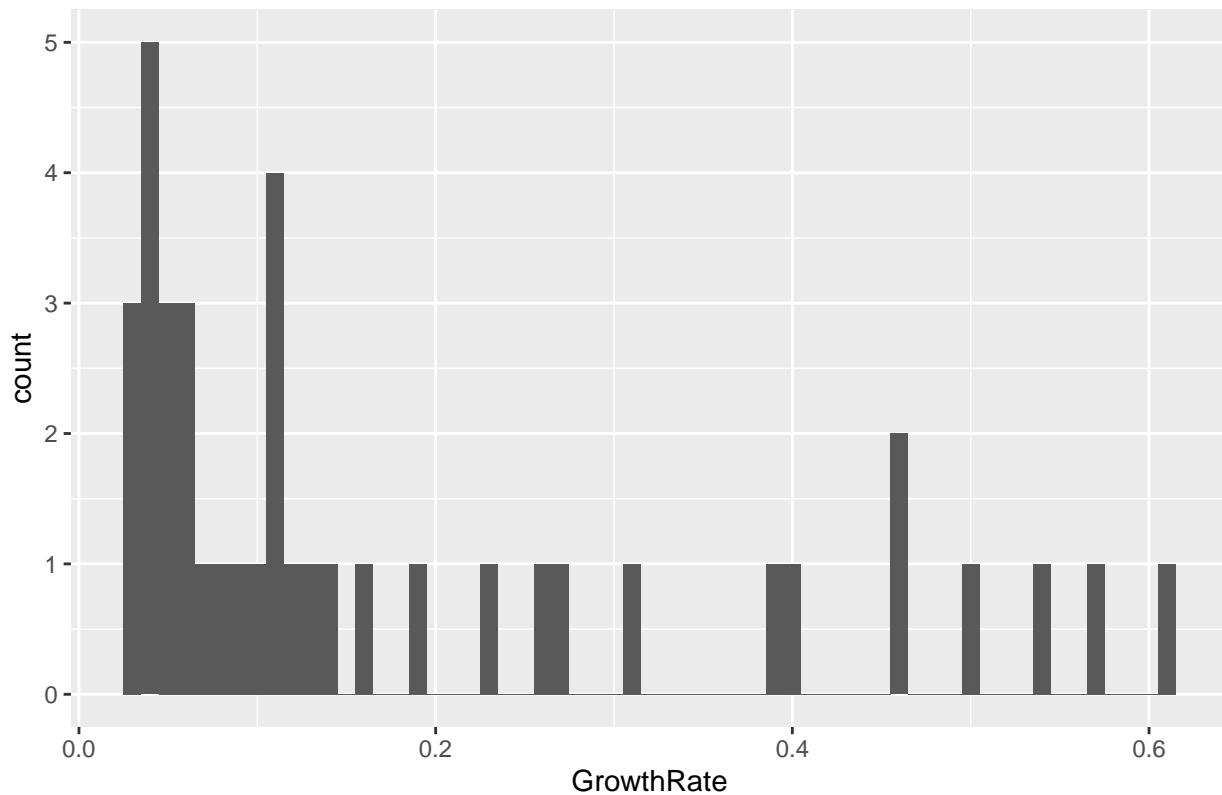
Arizona: Rate of change in Growth Rate



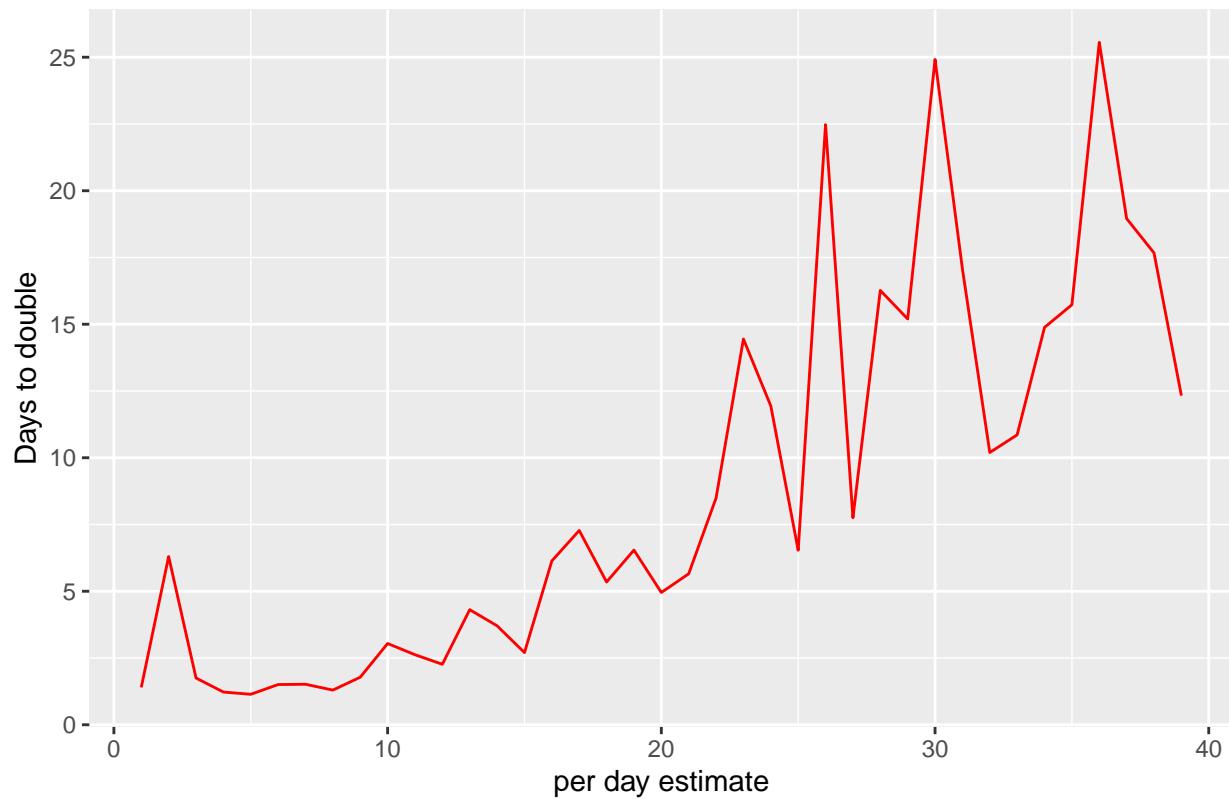
Arizona: Growth Rate



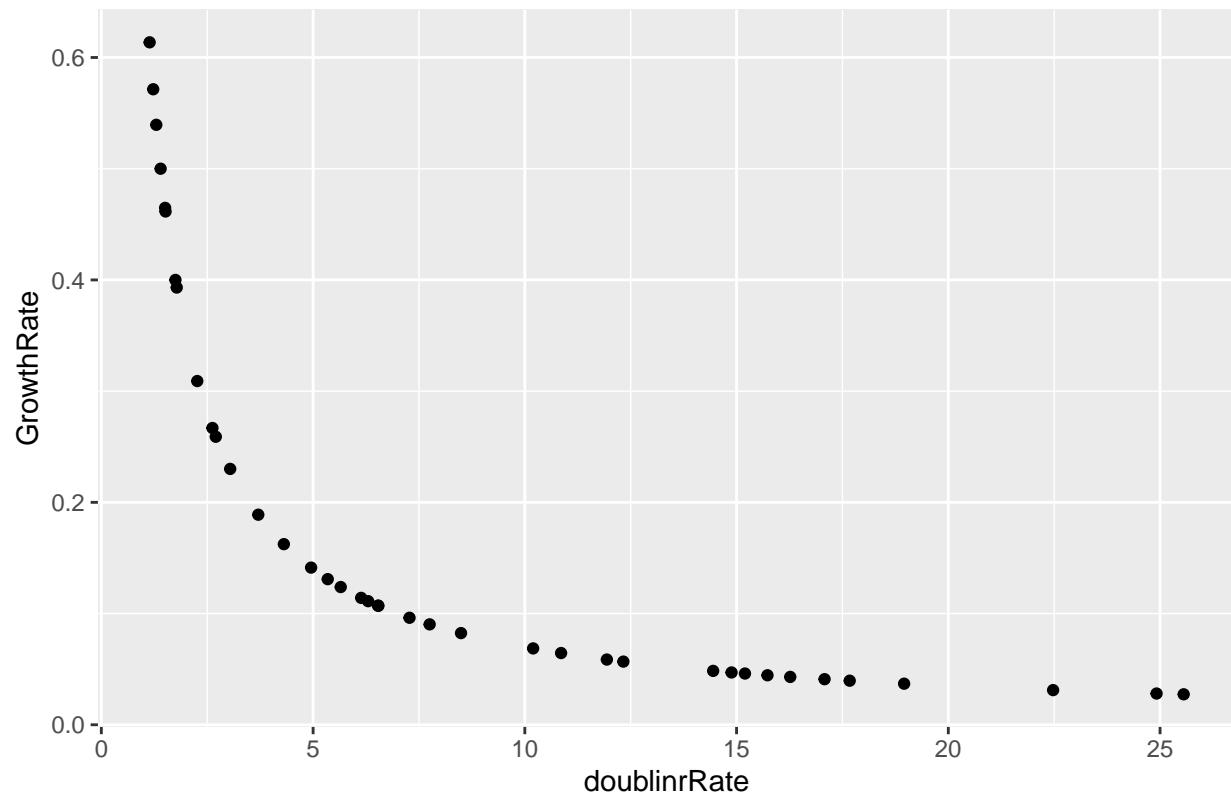
Histogram of GrowthRate



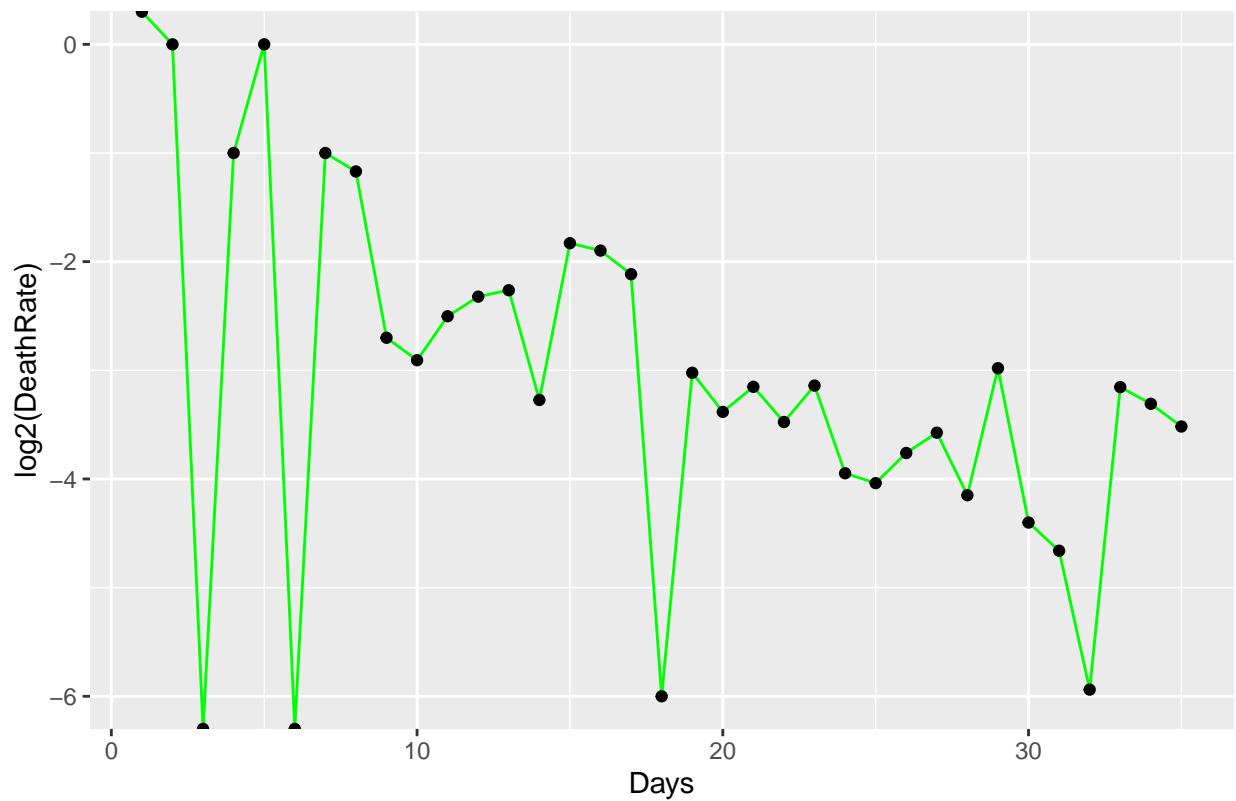
Doubling Rate in days



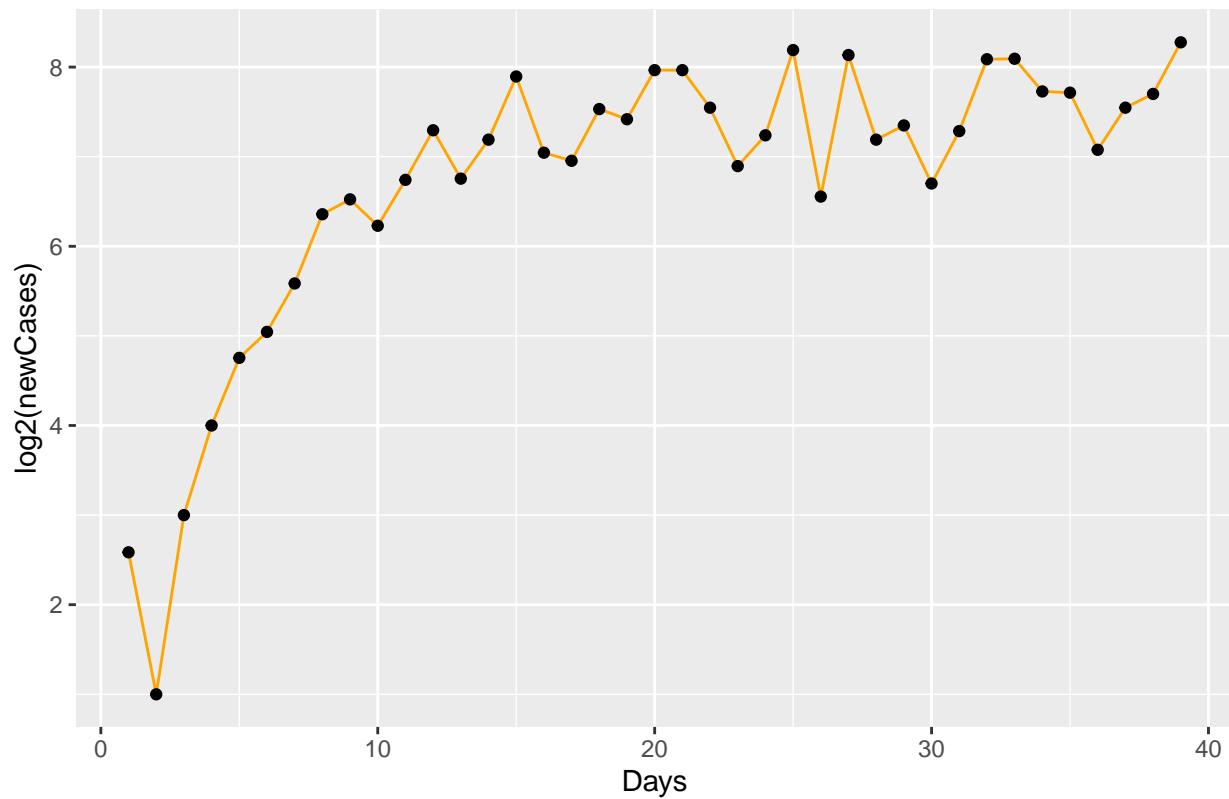
Doubling Rate vs Growth Rate



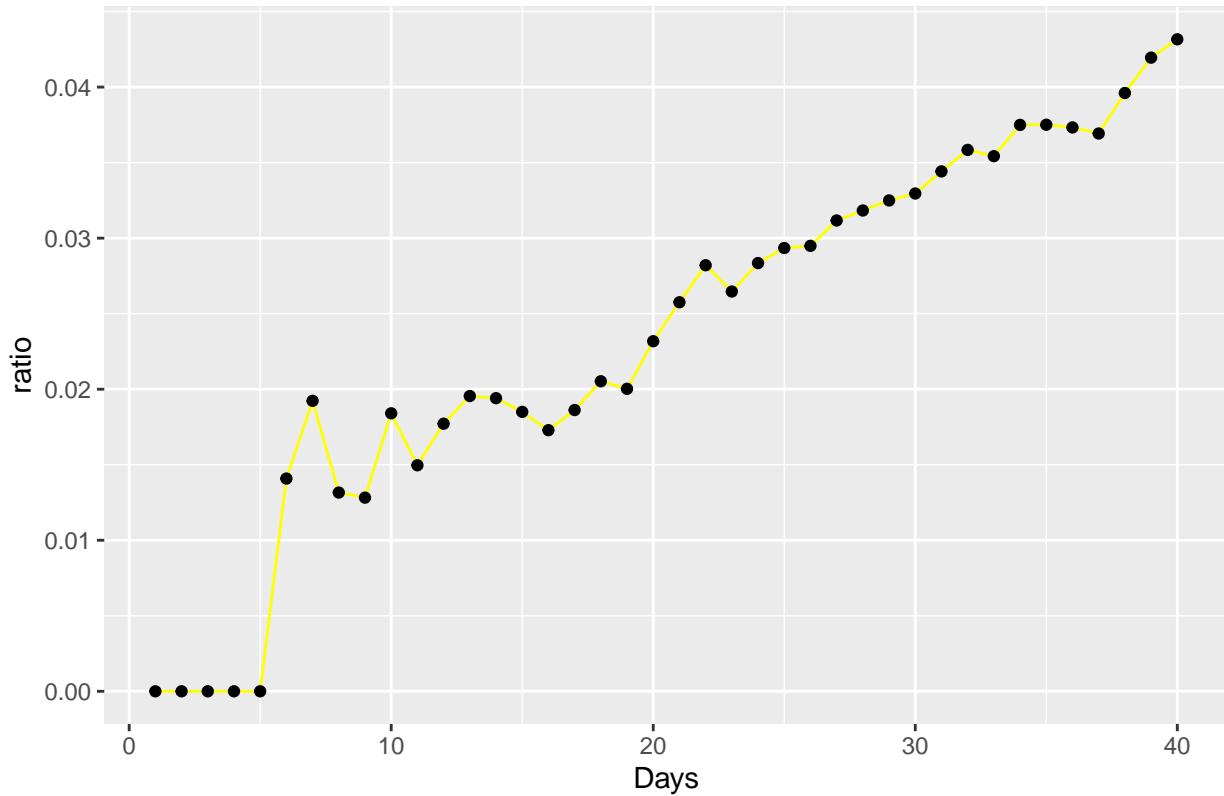
Arizona: Daily Death Rate



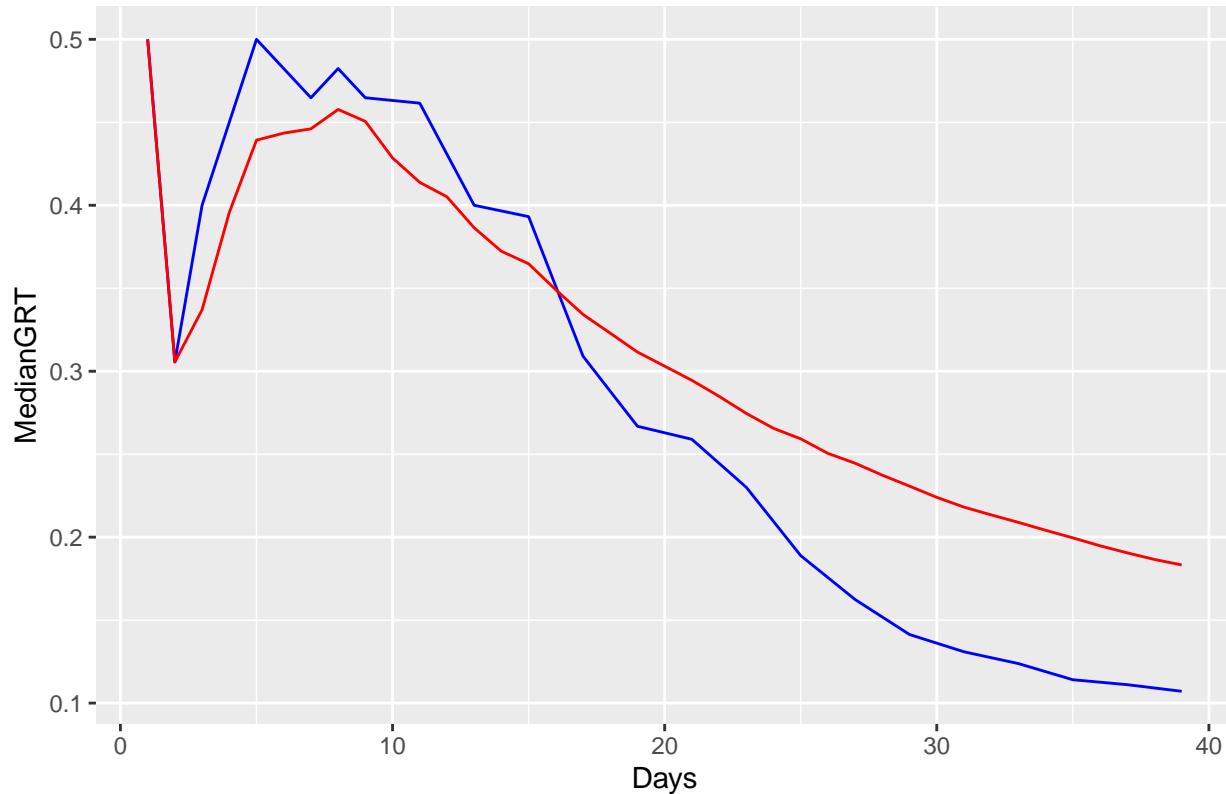
Arizona:newCases(Orange)



Arizona: TotalDeaths/TotalCases



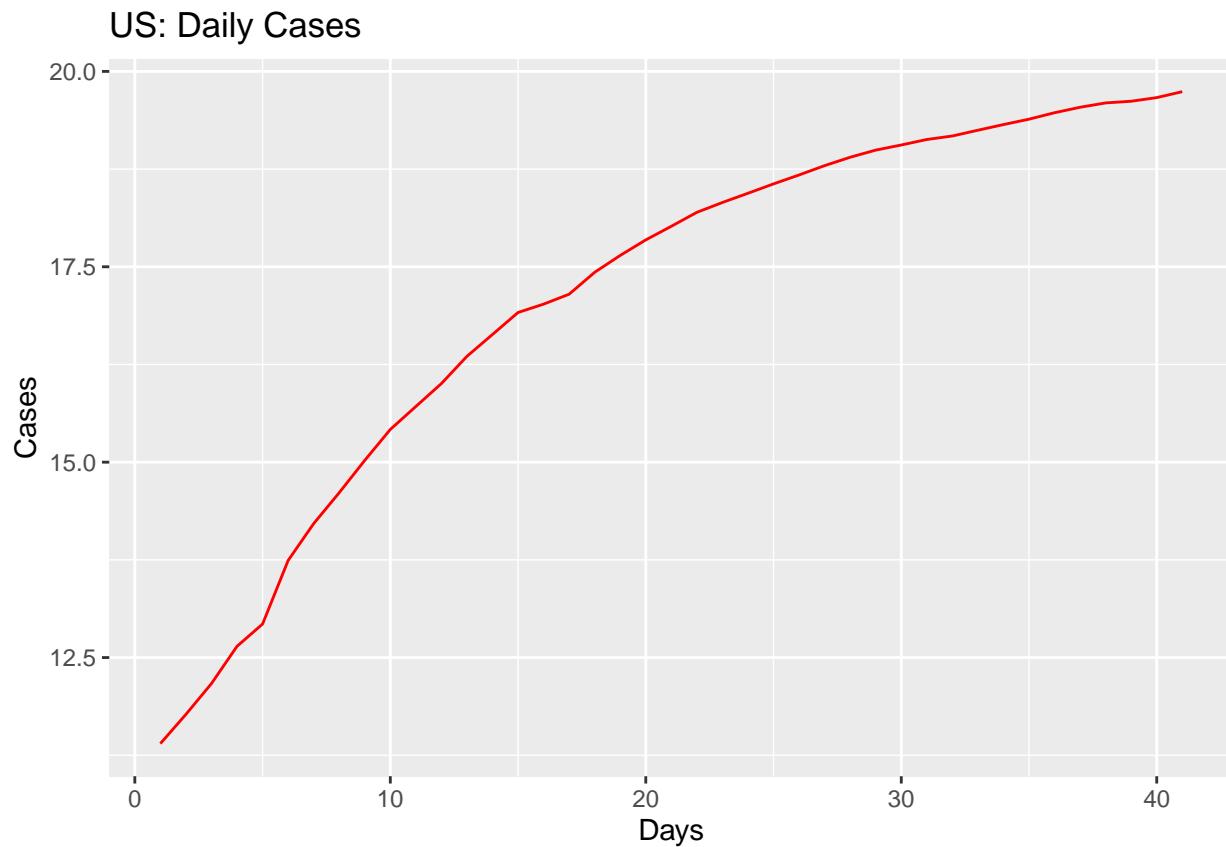
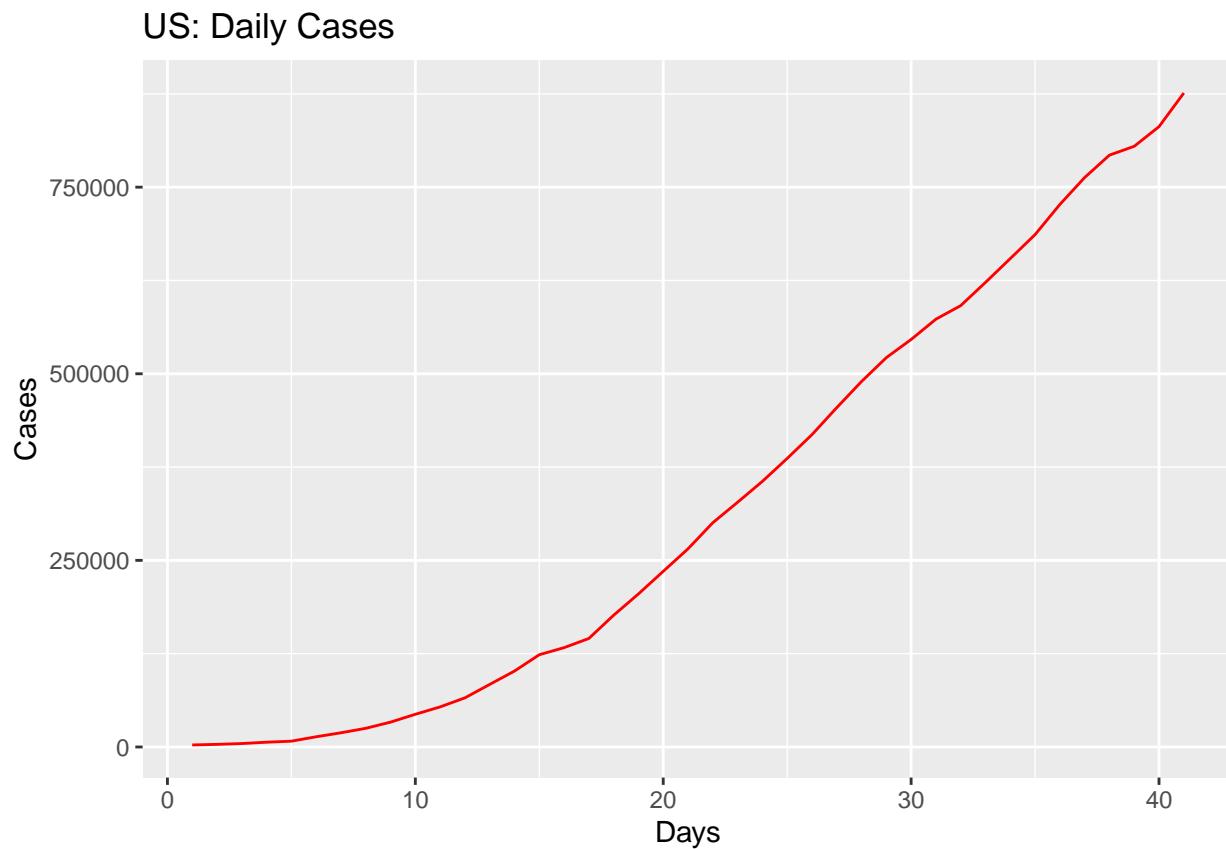
Arizona Median(BLUE)VsMean(RED) Growth Rate



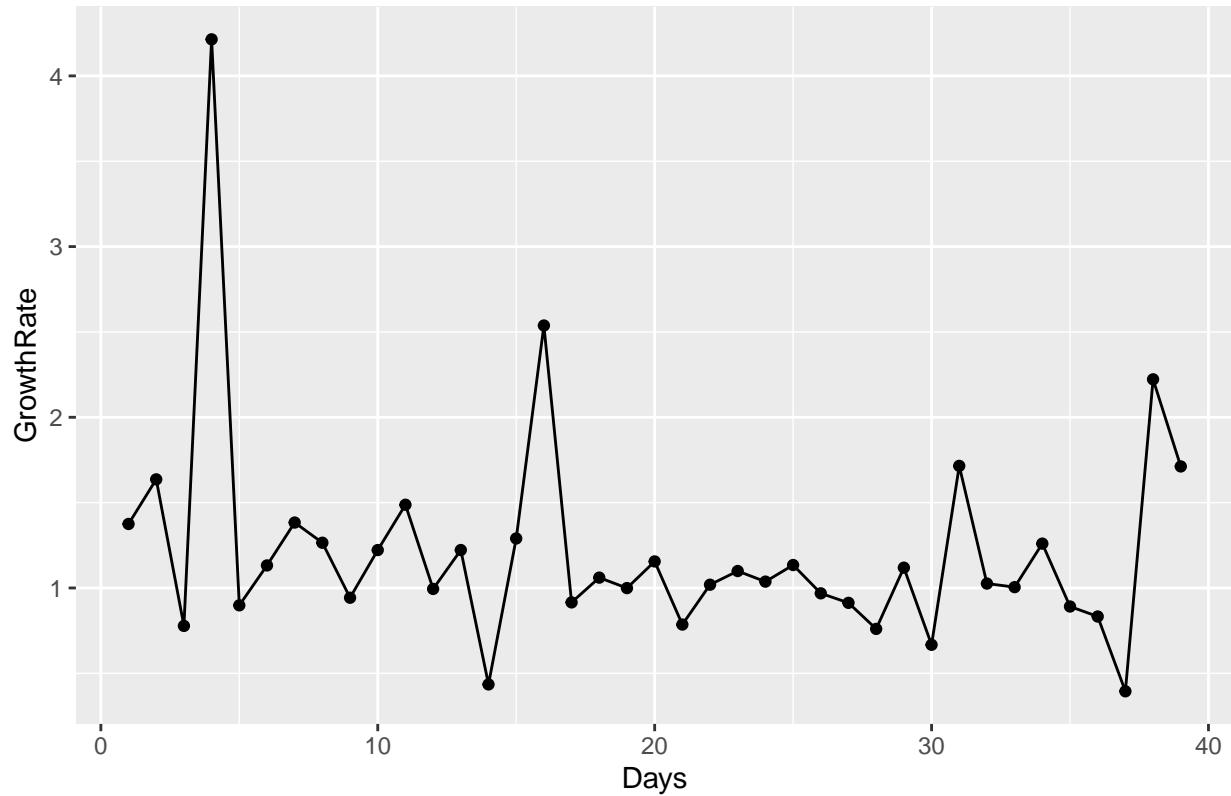
Results:

- Tomorrows predicted case number is between **6096.6039568** and **6826.1079452** 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 **7 days**.
- Latest Observed Growth Rate **5.6786957** percent.
- Mean Growth Rate: **18.3239373** percent.
- Median Growth Rate: **10.7116654** percent.
- Standard deviation: +/- **17.6598635**.

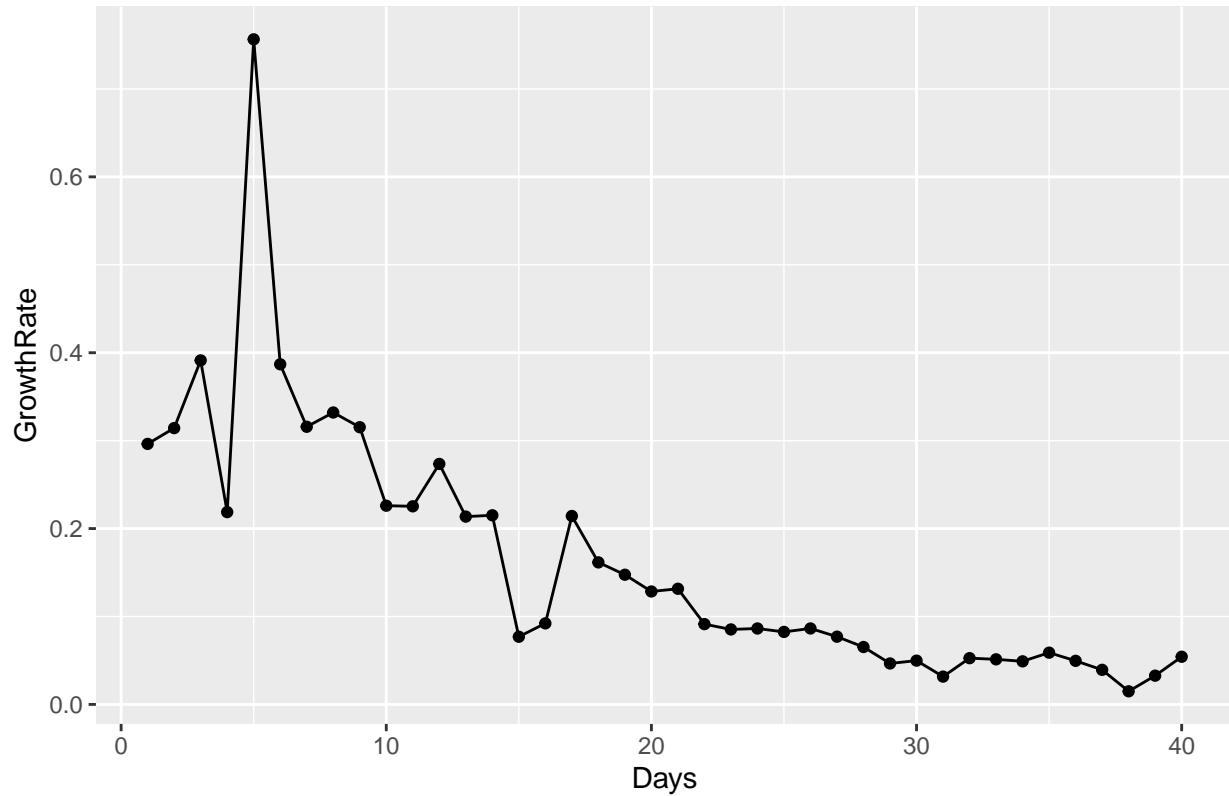
US Corona Dashboard



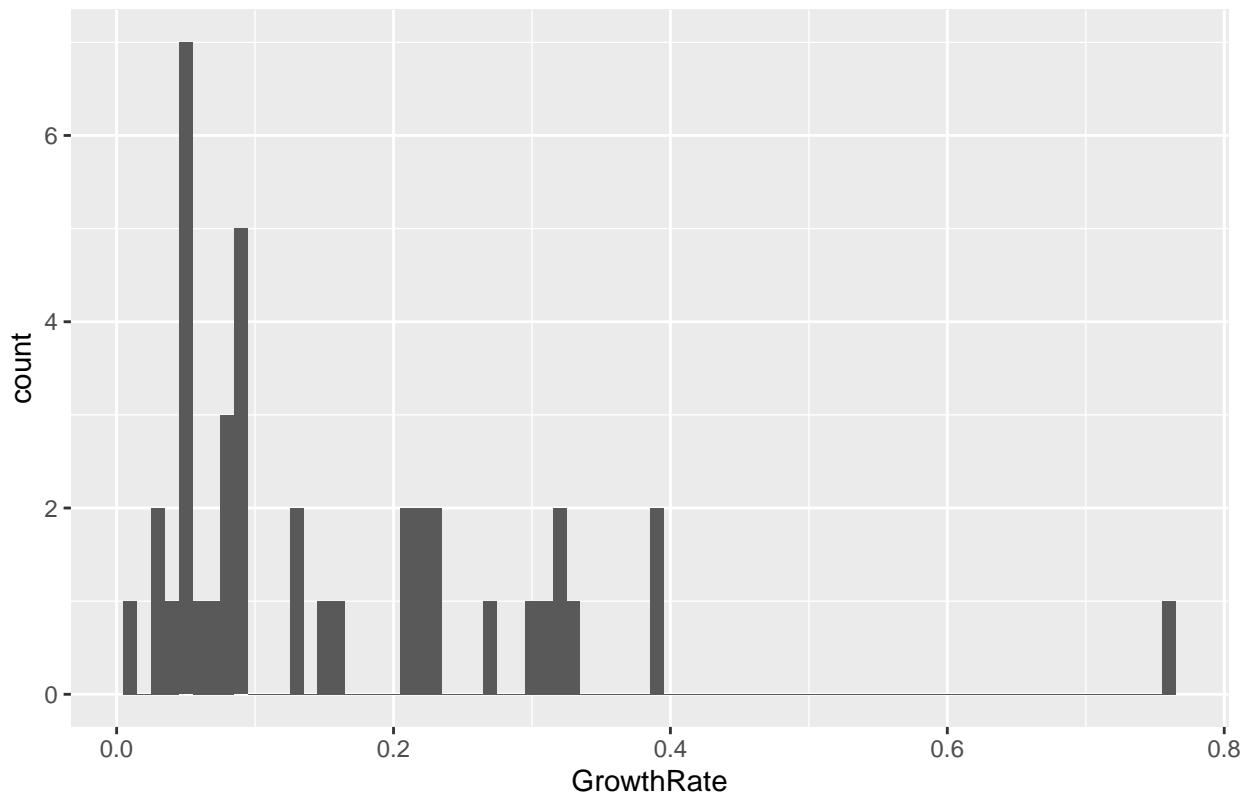
US: Rate of change in Growth Rate



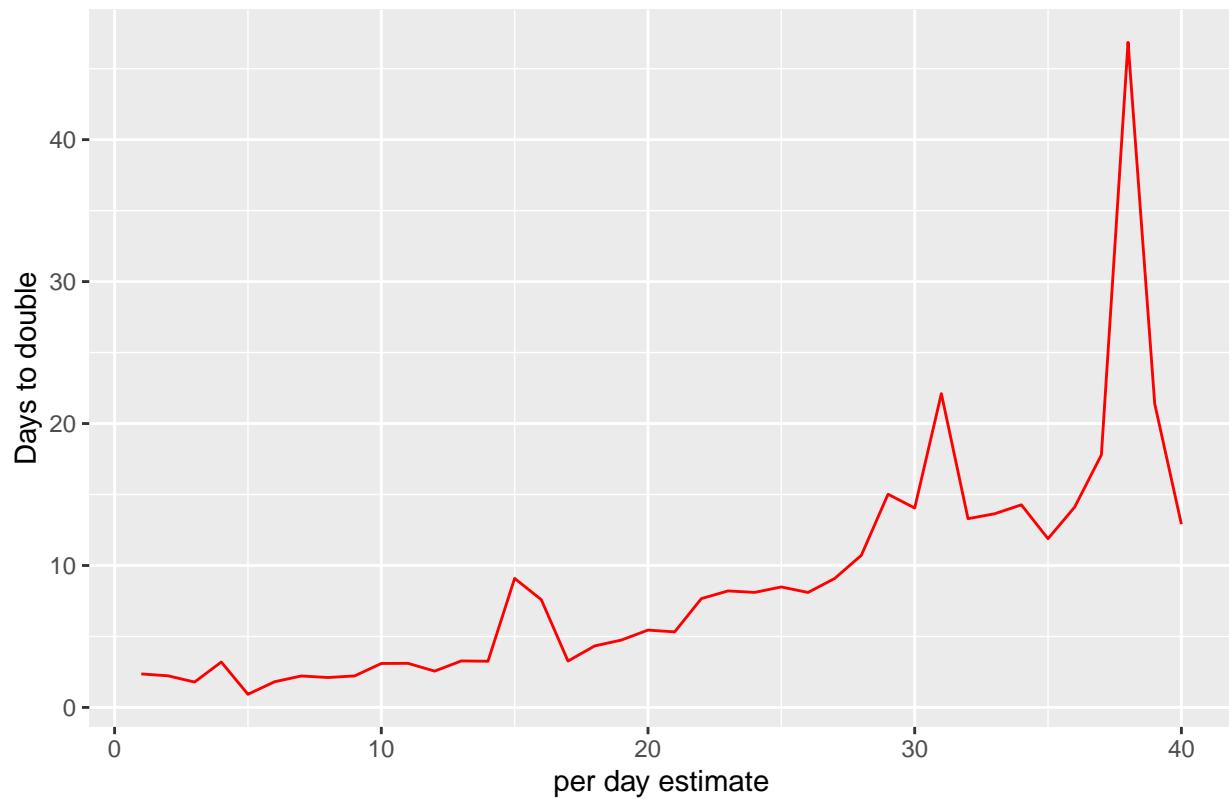
US: Growth Rate



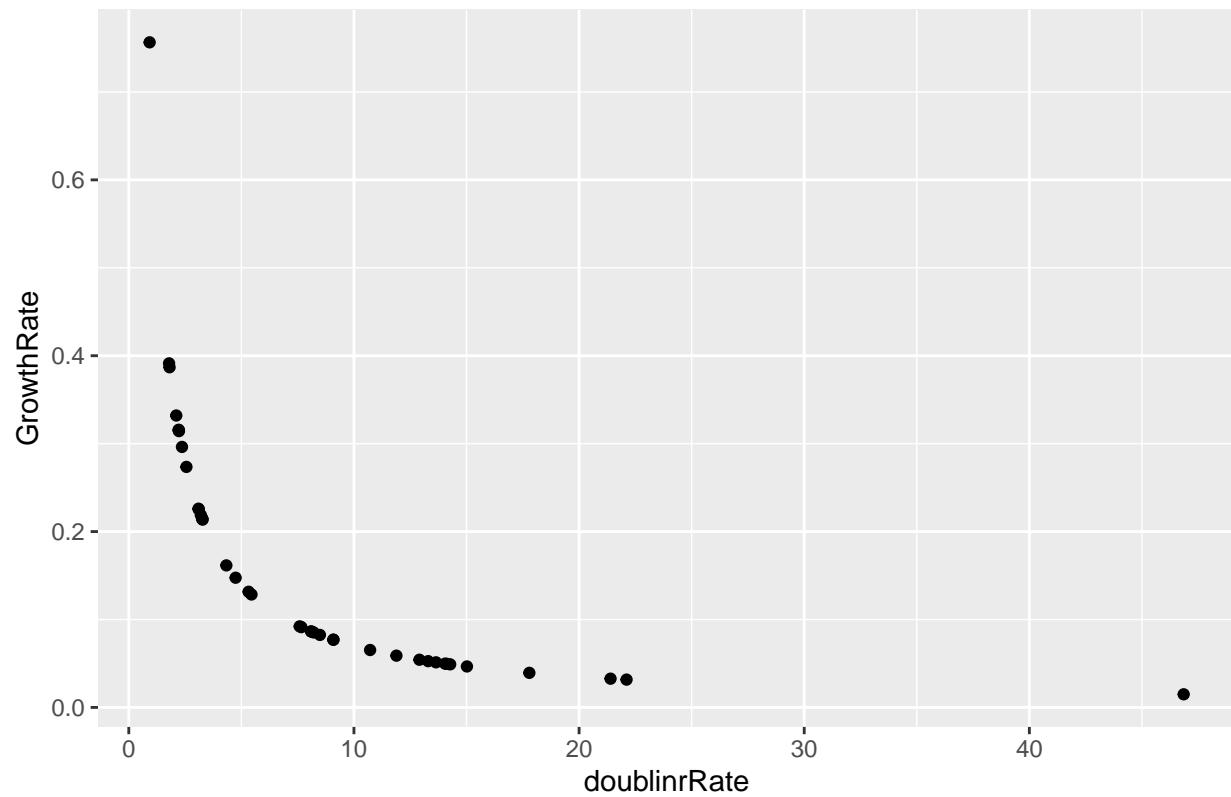
Histogram of GrowthRate



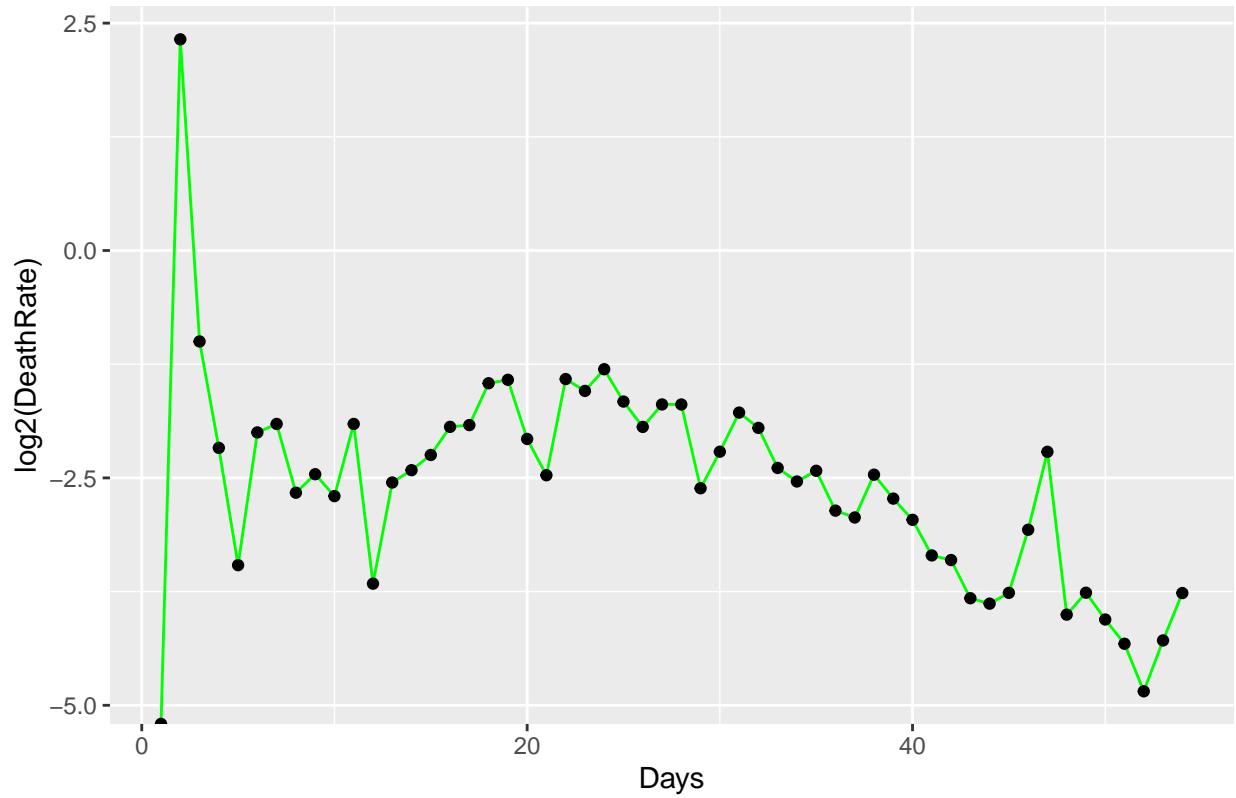
Doubling Rate in days



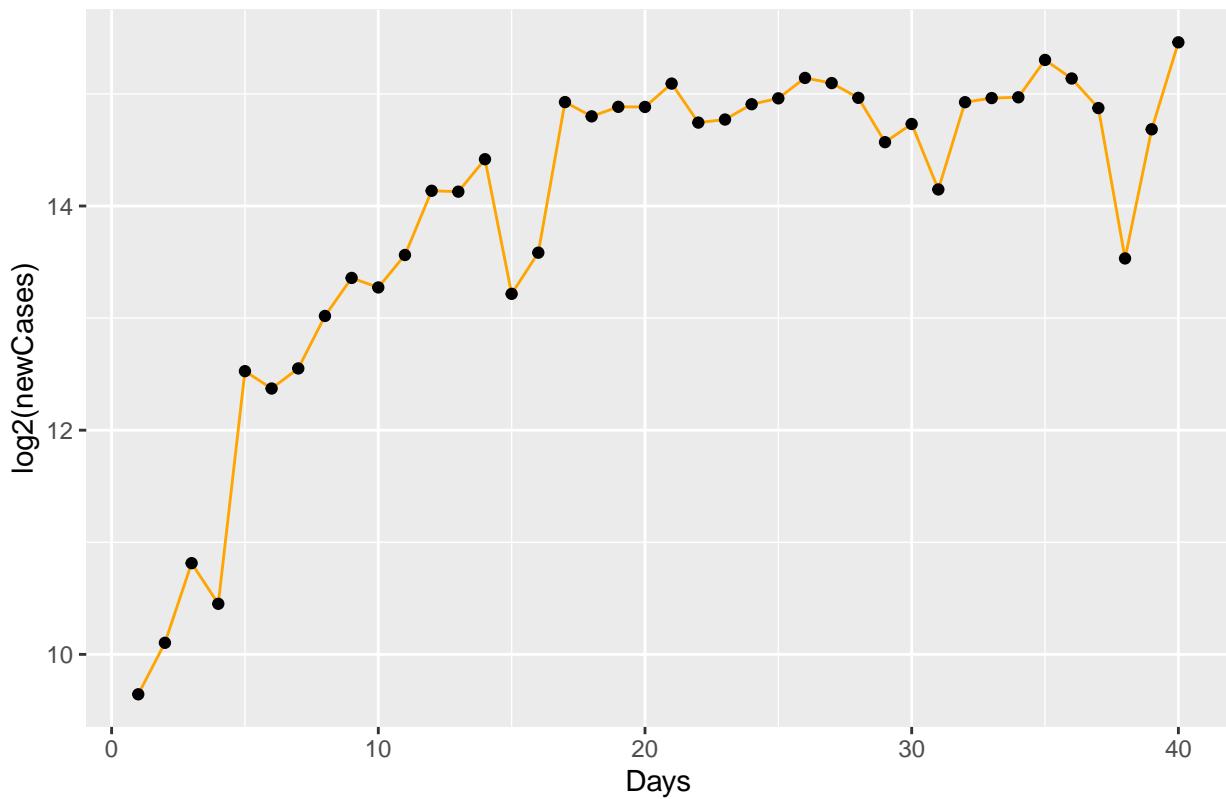
Doubling Rate vs Growth Rate



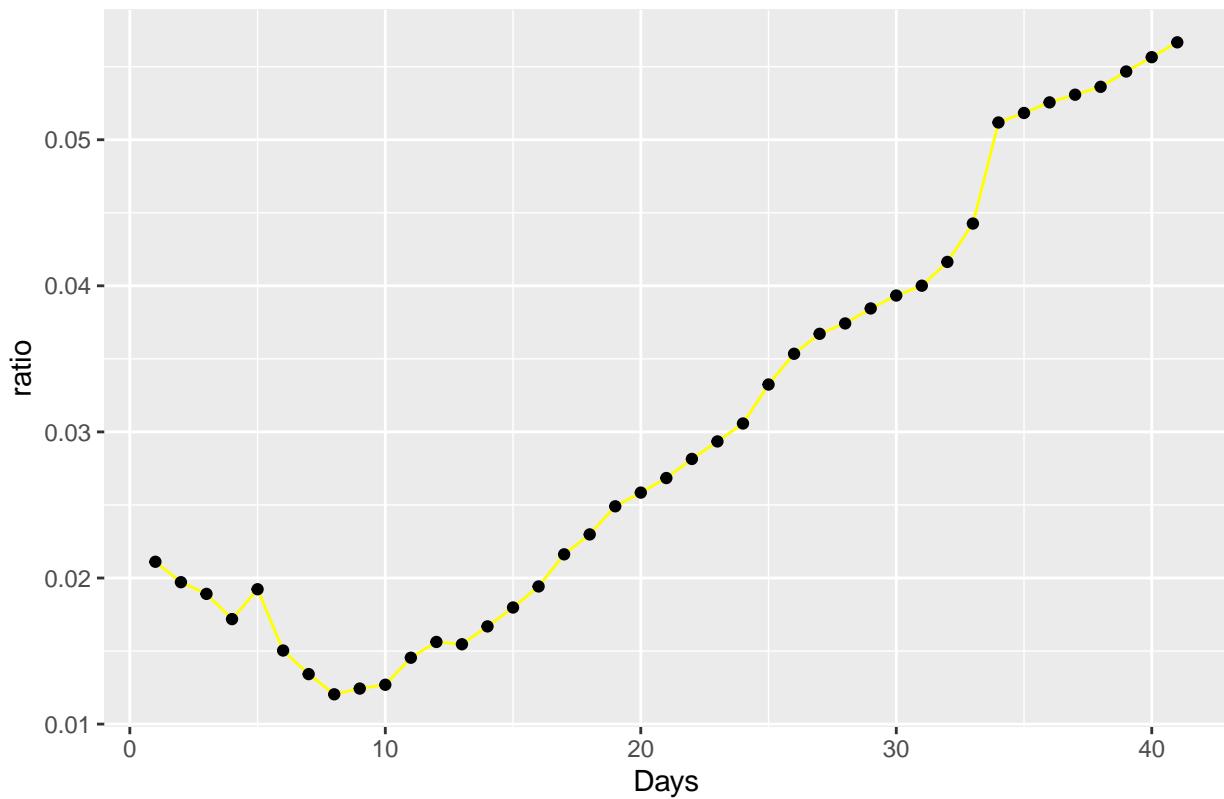
US: Daily Death Rate



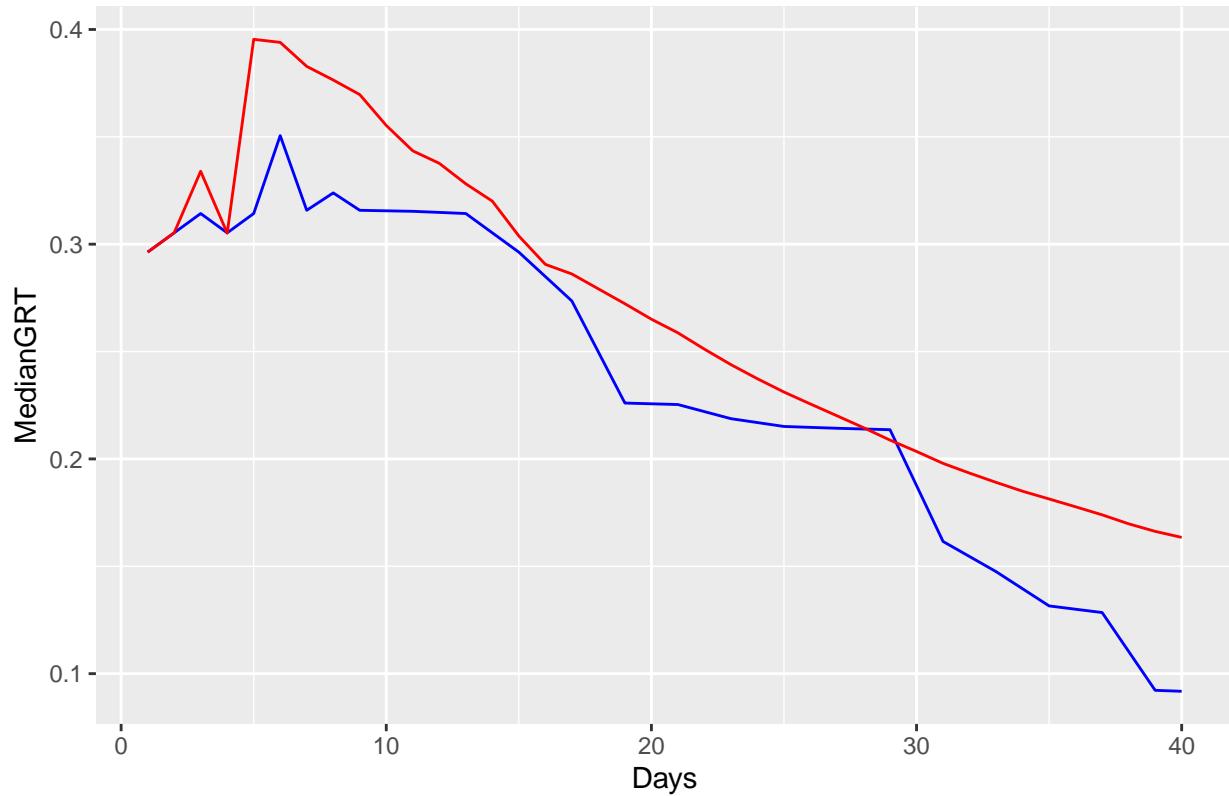
US:newCases(Orange)



US: TotalDeaths/TotalCases



US Median(BLUE)VsMean(RED) Growth Rate

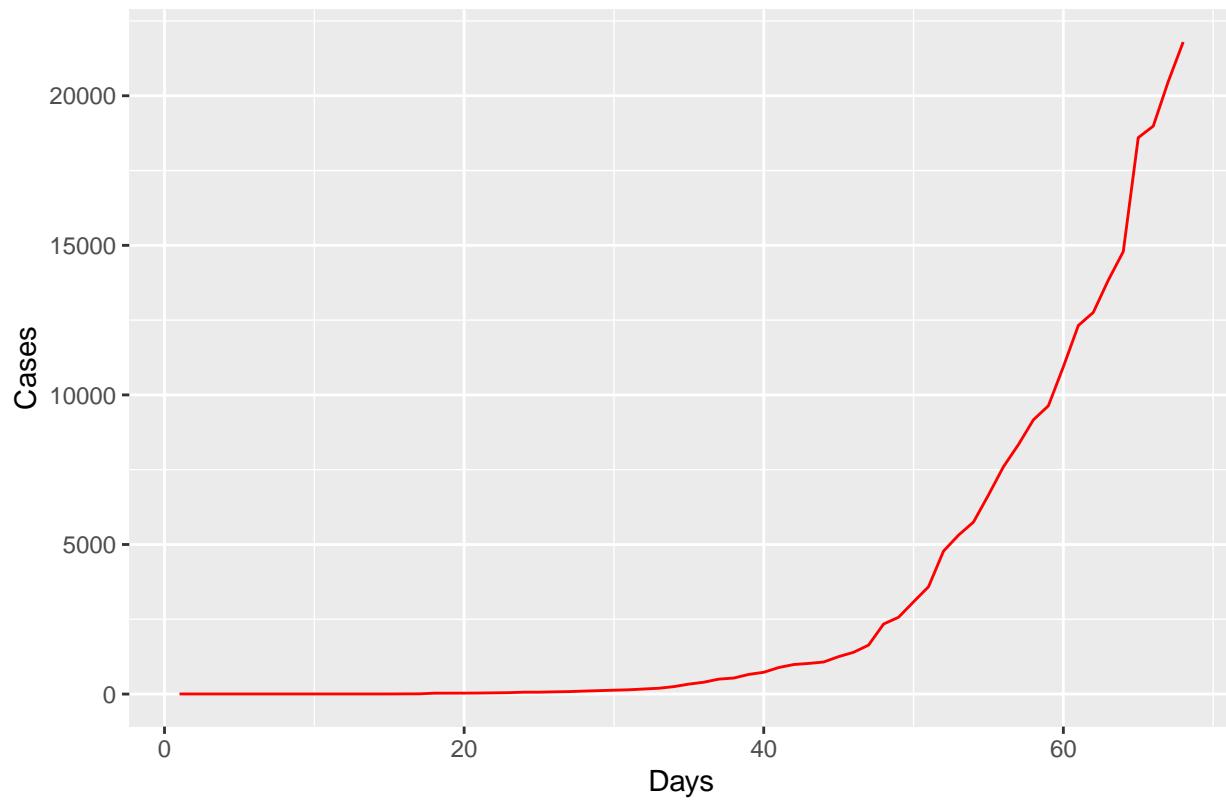


Results:

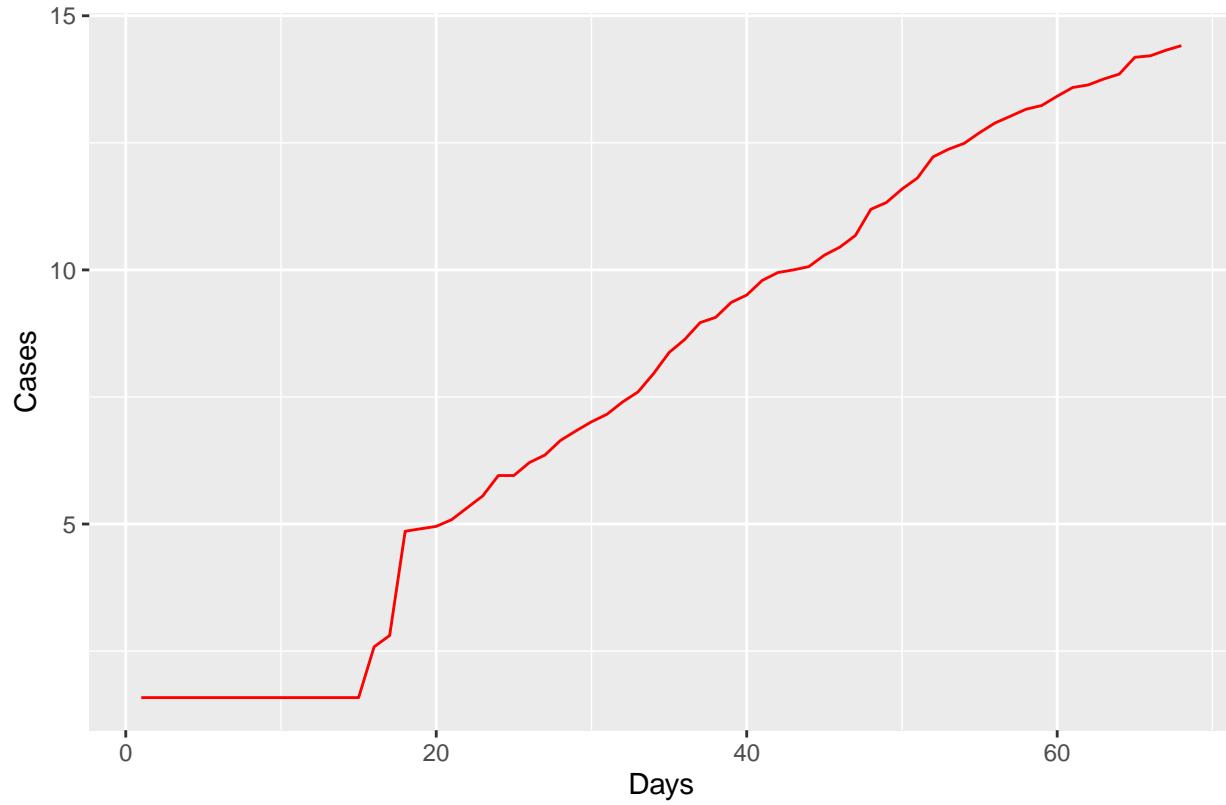
- Tomorrows predicted case number is between 9.2367016×10^5 and 1.0193697×10^6 cases.
- Current doubling rate is **13 days**
- Mean doubling rate, i.e number of cases doubles every **4 days**.
- Median doubling rate, i.e number of cases doubles every **8 days**.
- Latest Observed Growth Rate **5.4230248** percent.
- Mean Growth Rate: **16.3456891** percent.
- Median Growth Rate: **9.1779932** percent.
- Standard deviation: +/- **14.6176859**.

India Corona Dashboard

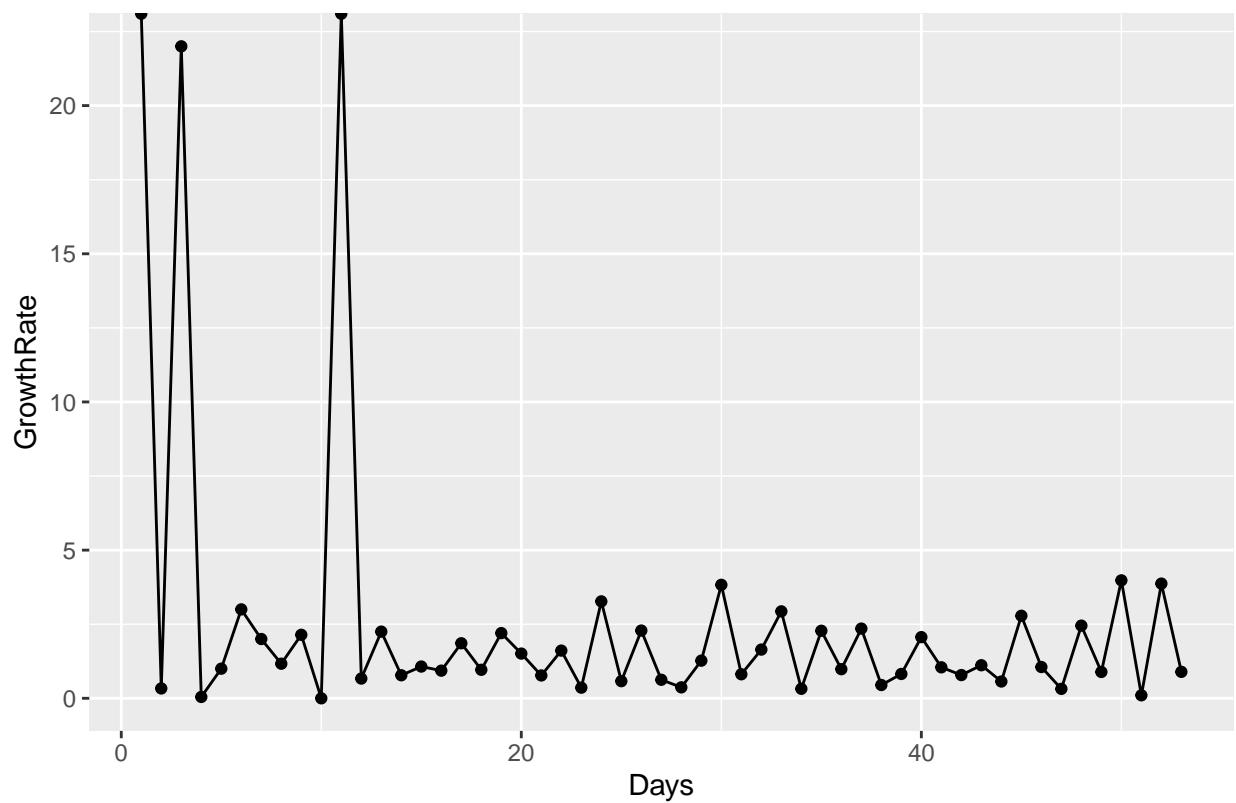
India: Daily Cases



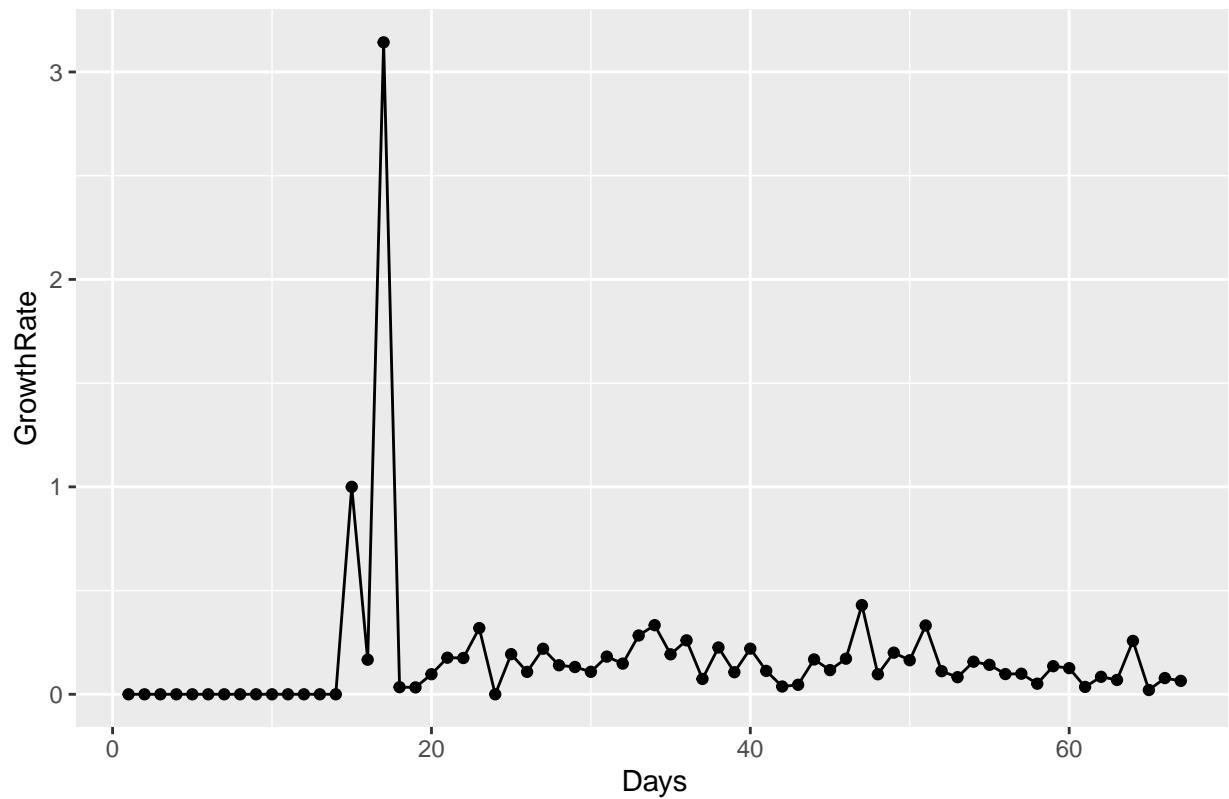
India: Daily Cases



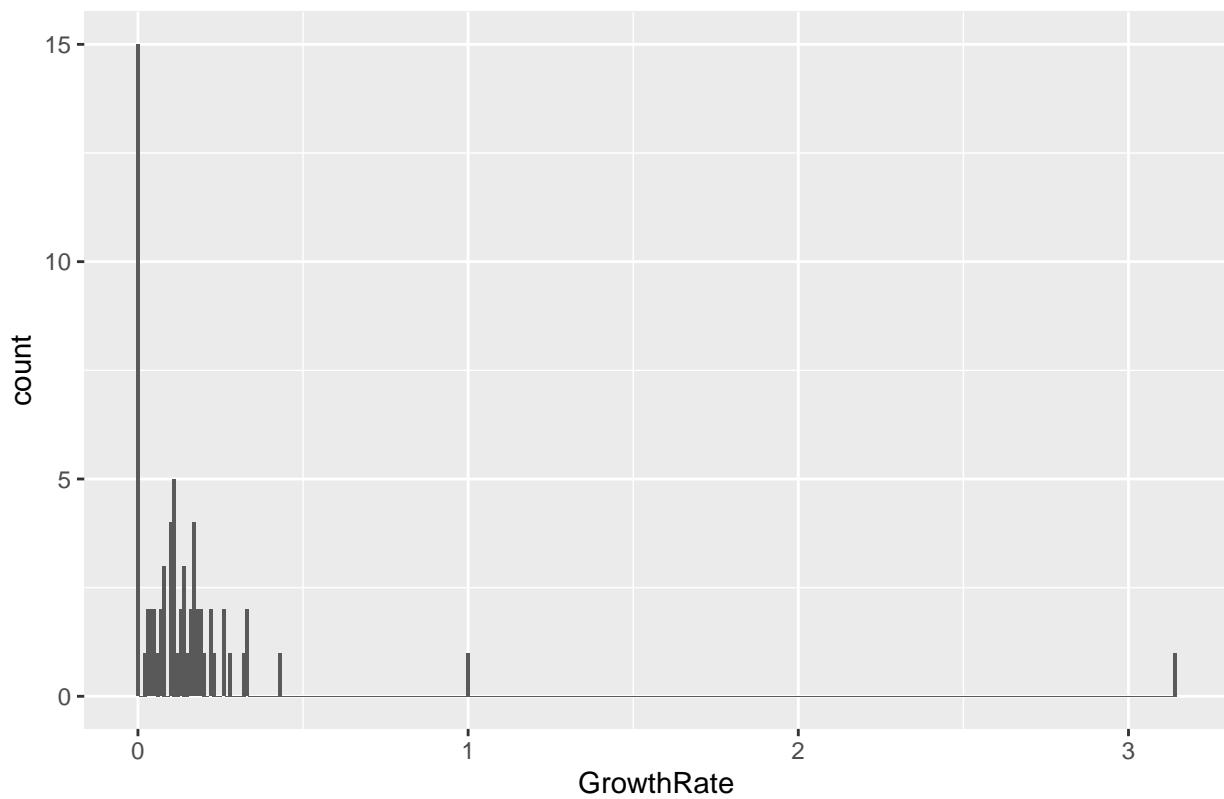
US: Rate of change in Growth Rate



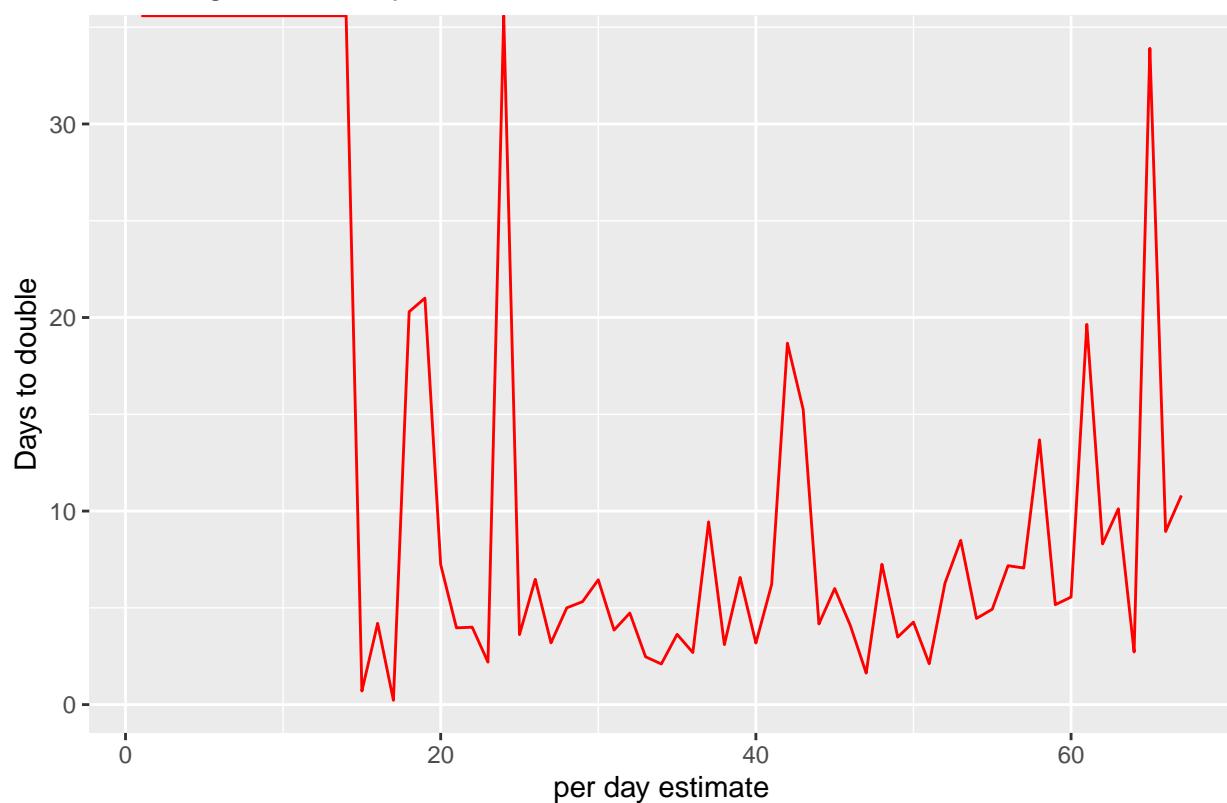
India: Growth Rate



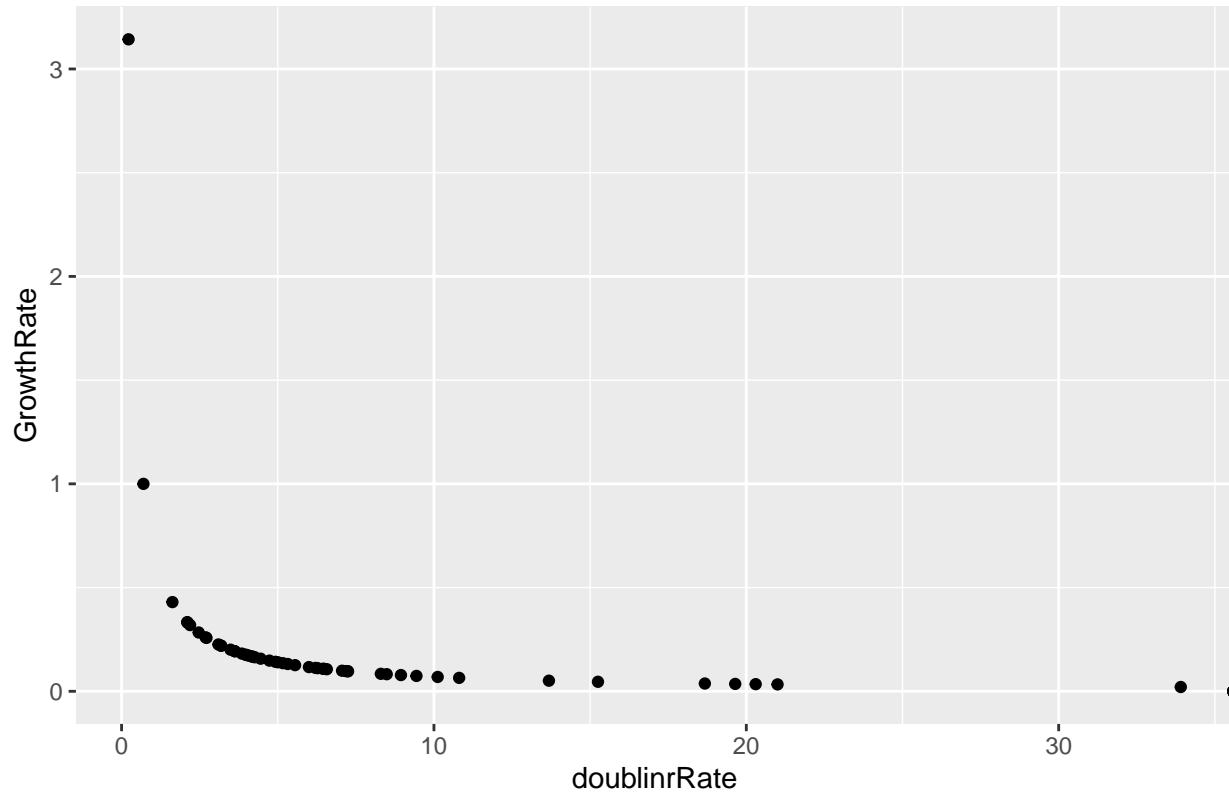
Histogram of GrowthRate



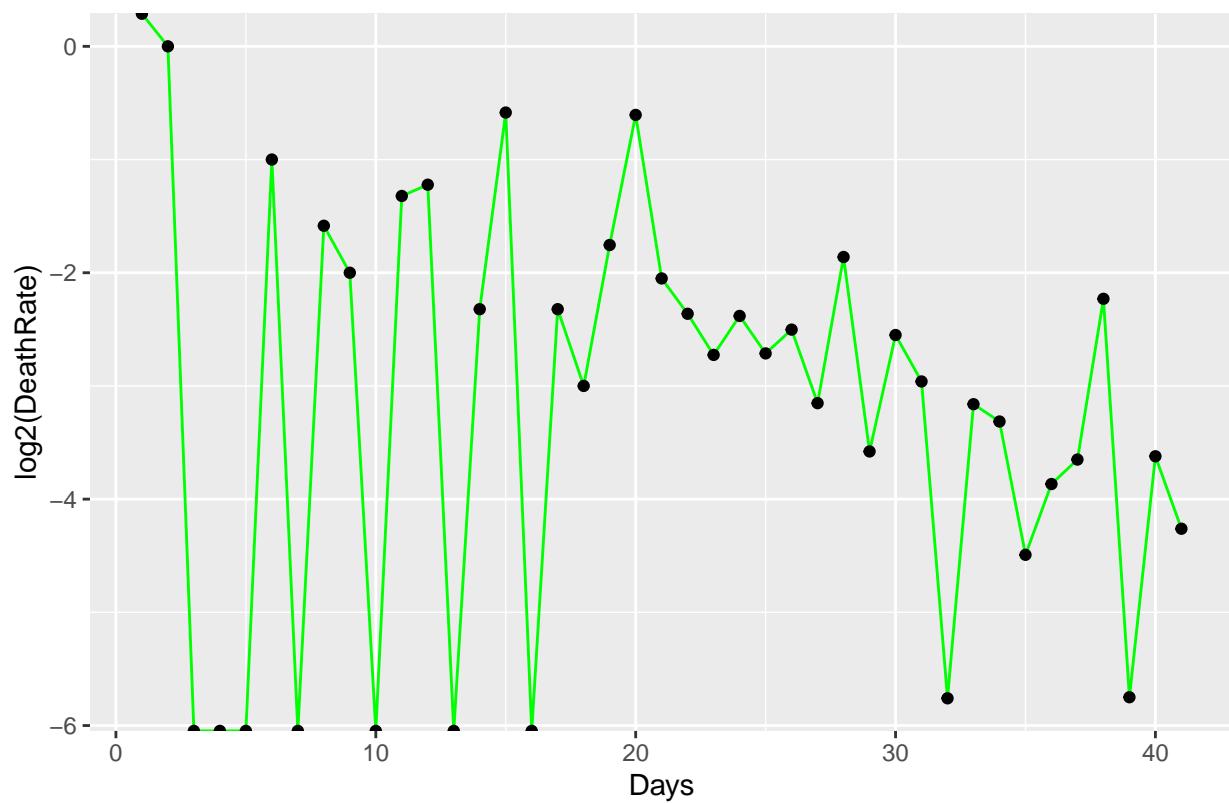
Doubling Rate in days



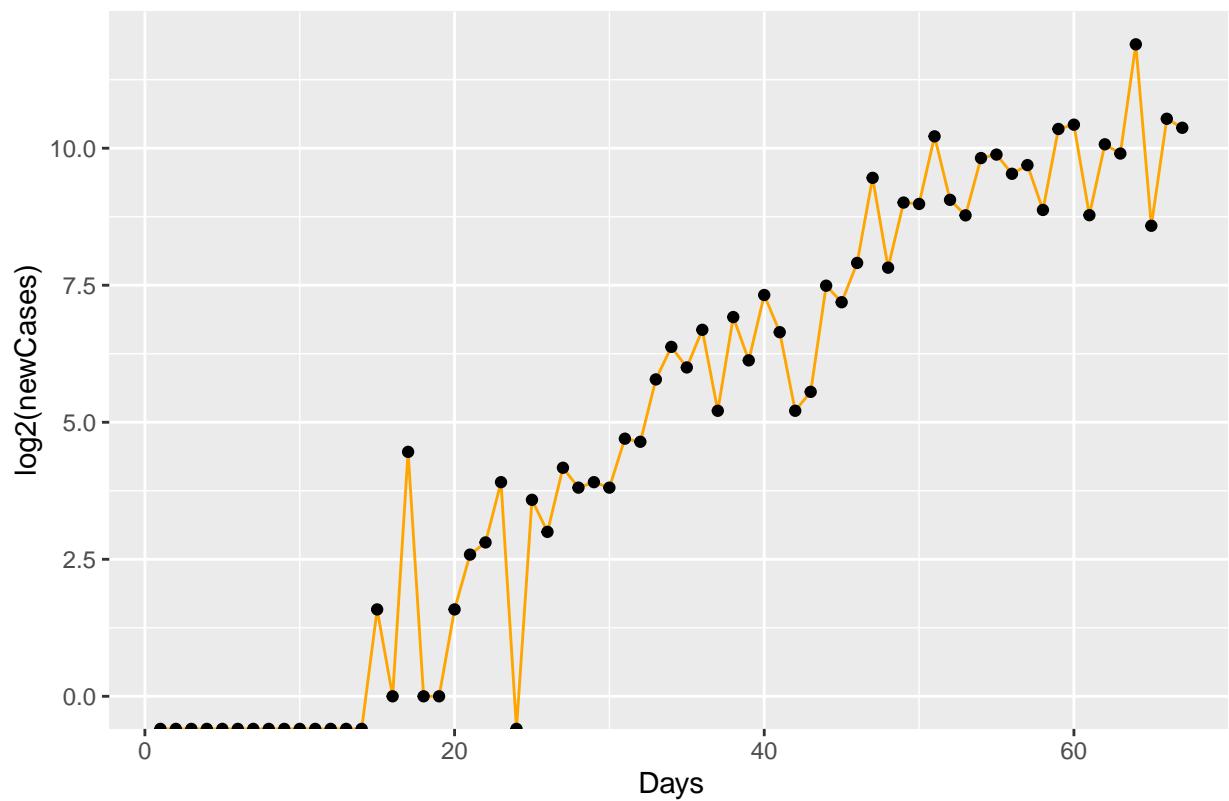
Doubling Rate vs Growth Rate



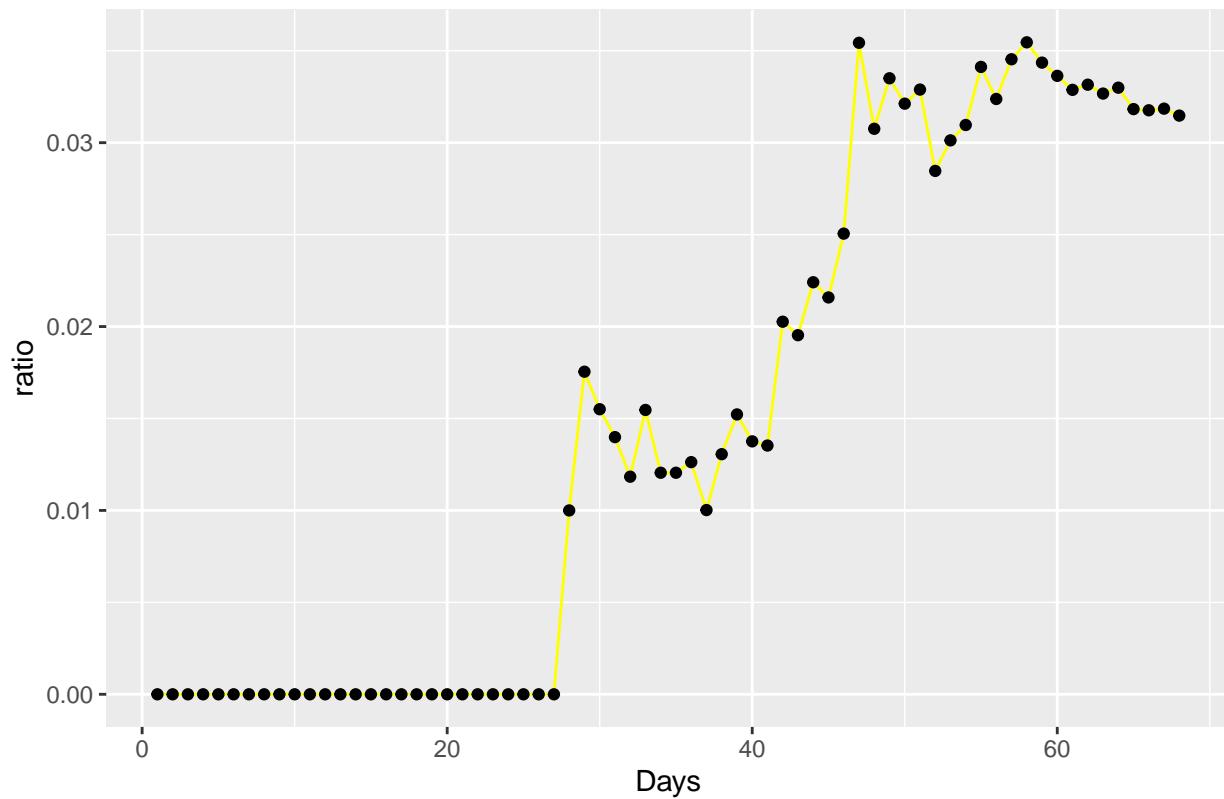
India: Daily Death Rate



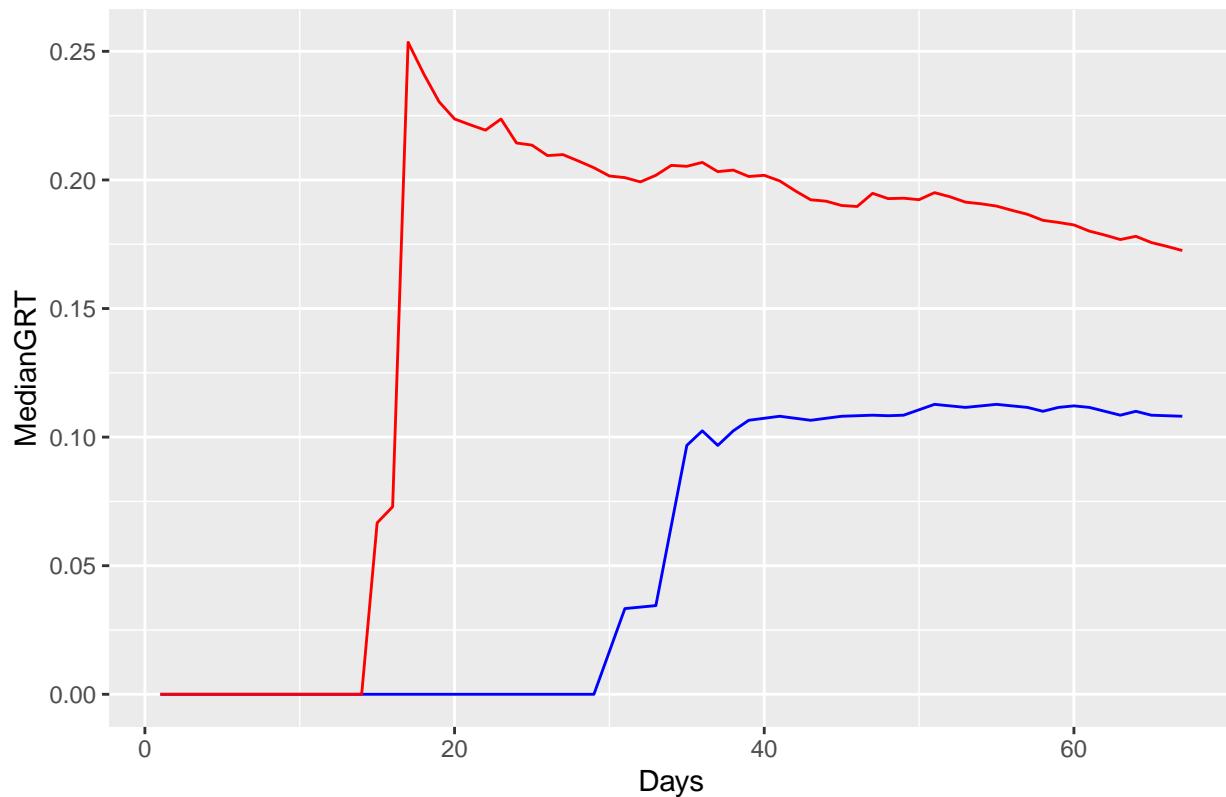
India:newCases(Orange)



India: TotalDeaths/TotalCases



India Median(BLUE)VsMean(RED) Growth Rate



Results:

- Tomorrows predicted case number is between 2.3208891×10^4 and 2.5558068×10^4 cases.
- Current doubling rate is **11 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 **6.4774559** percent.
- Mean Growth Rate: **17.2549814** percent.
- Median Growth Rate: **10.8108108** percent.
- Standard deviation: +/- **39.6365646**.