

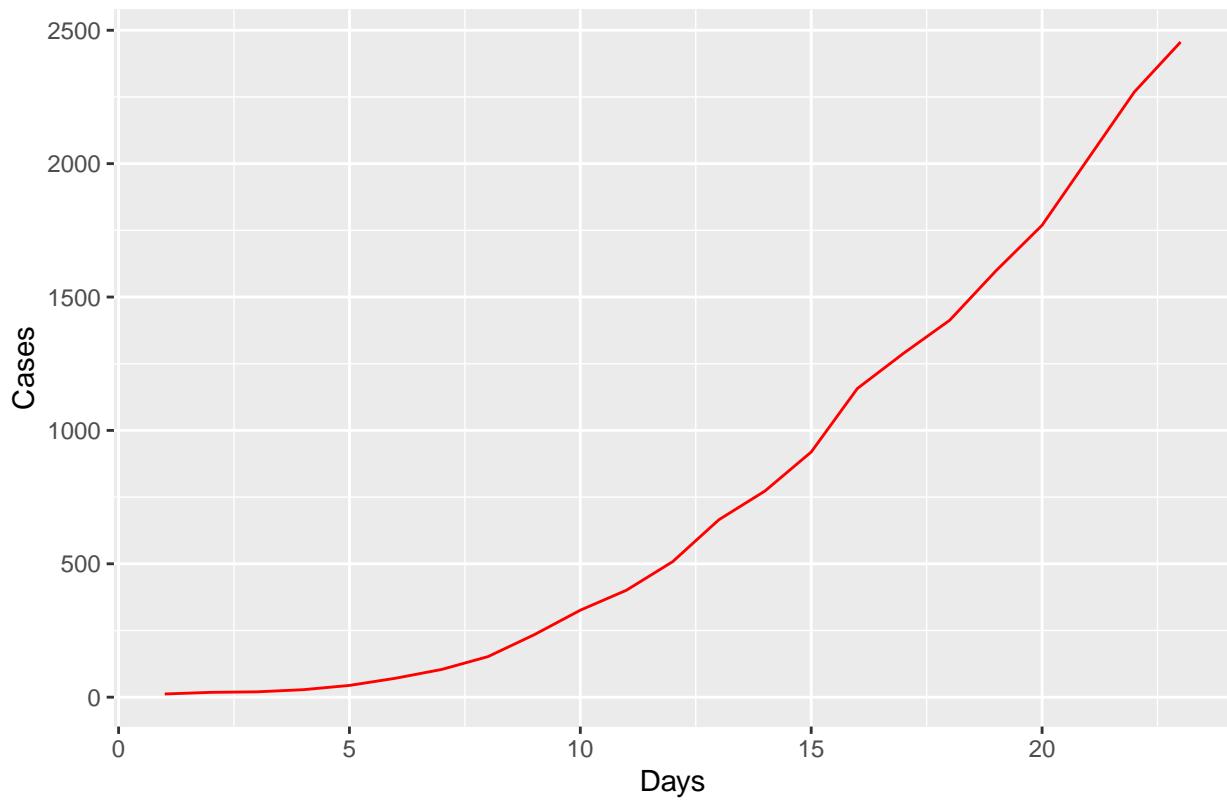
Arizona/US/India Corona Trends- 6th April 2020 with tomorrow's prediction

Whitchurch Muthumani

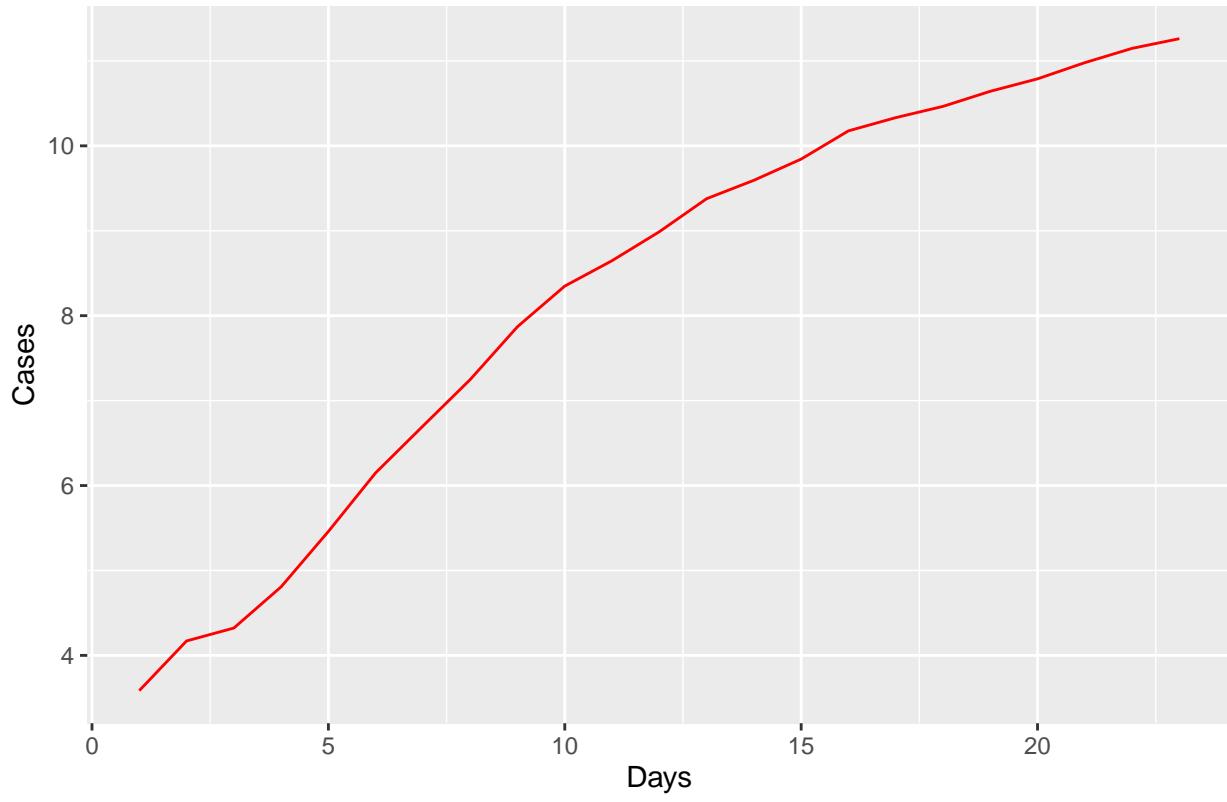
4/6/2020

Arizona Corona Dashboard

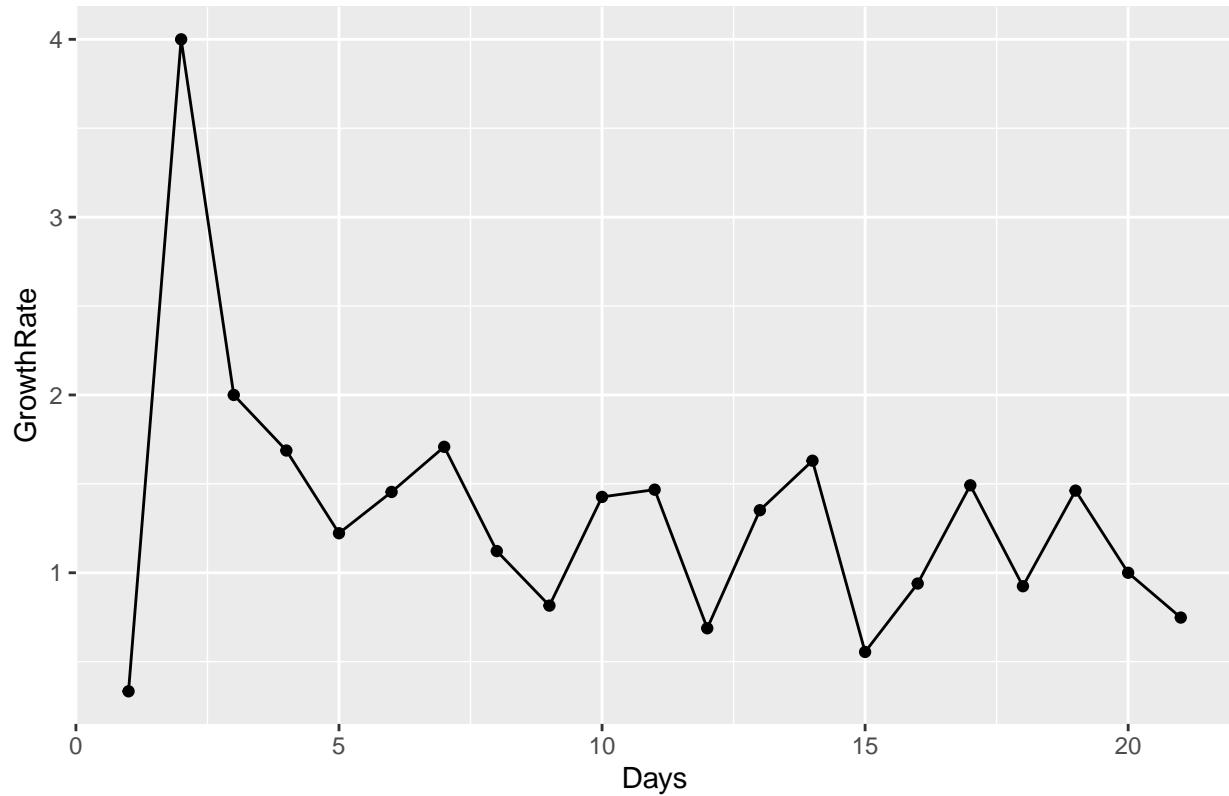
Arizona: Daily Cases



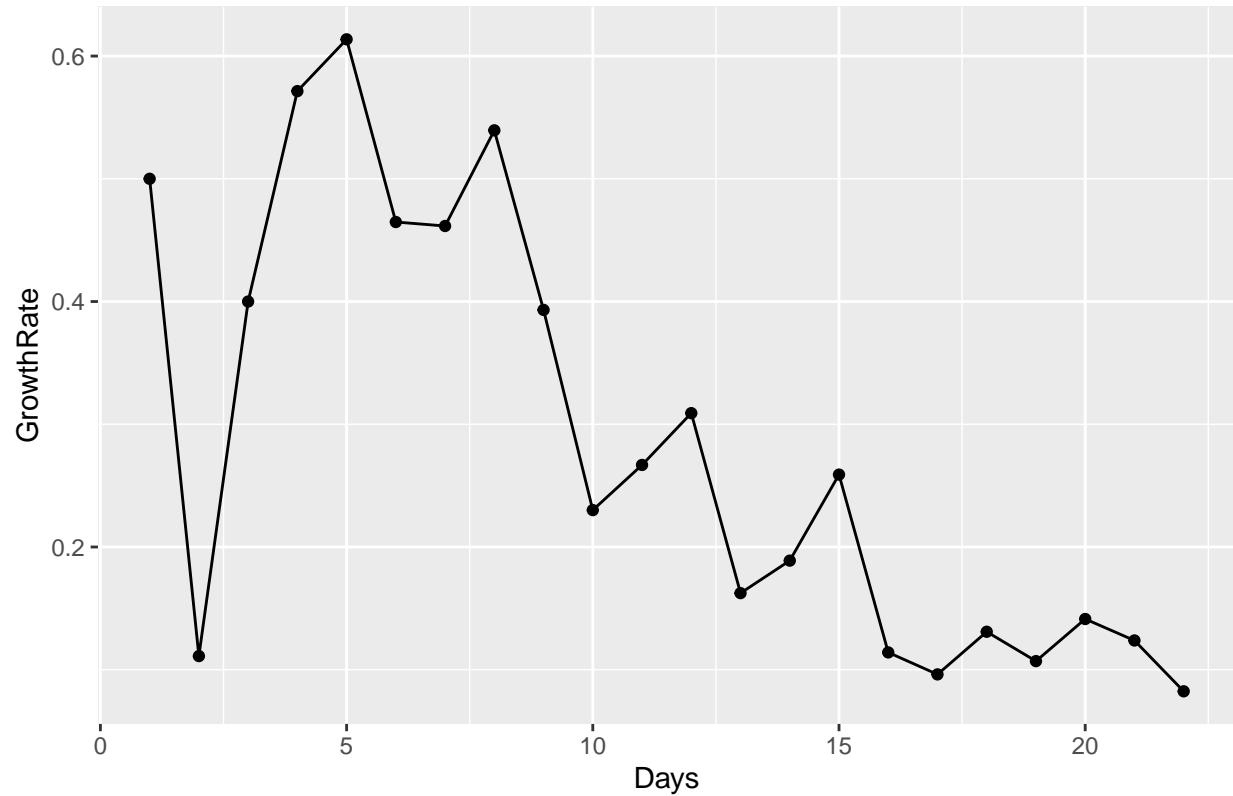
Arizona: Daily Cases



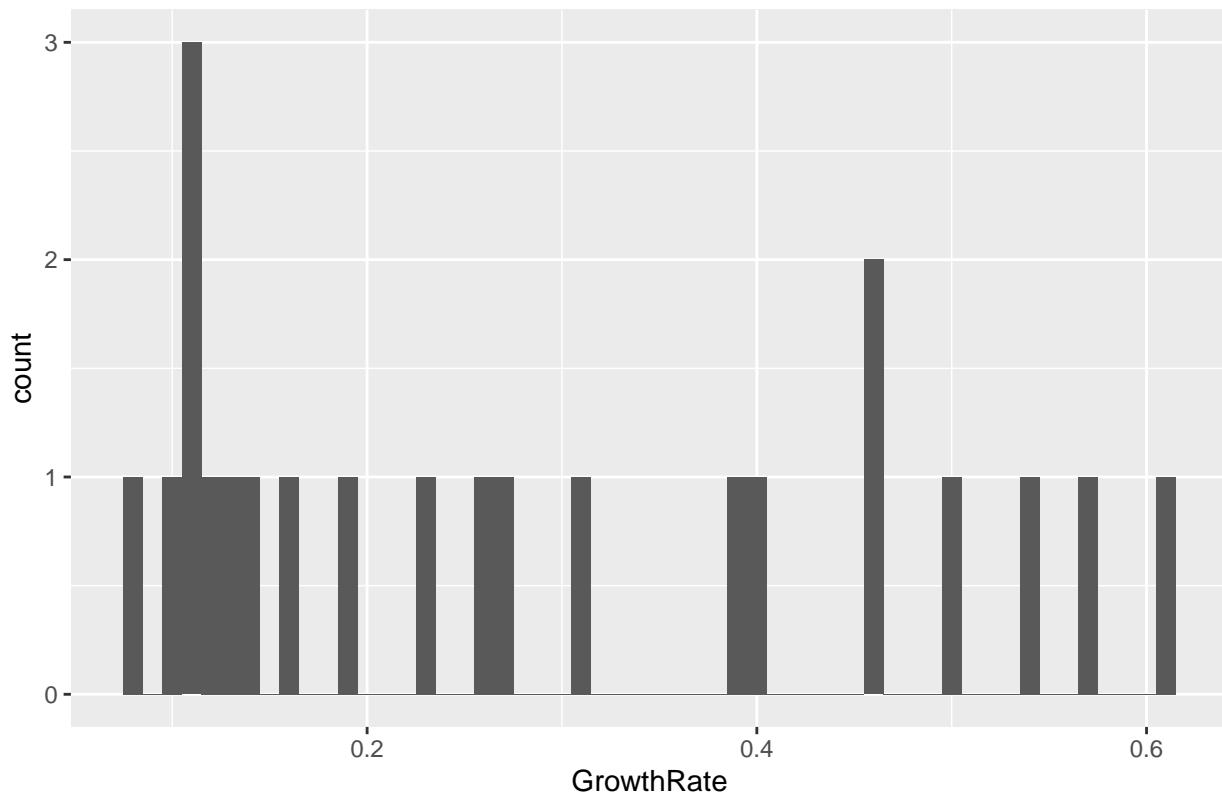
Arizona: Rate of change in Growth Rate



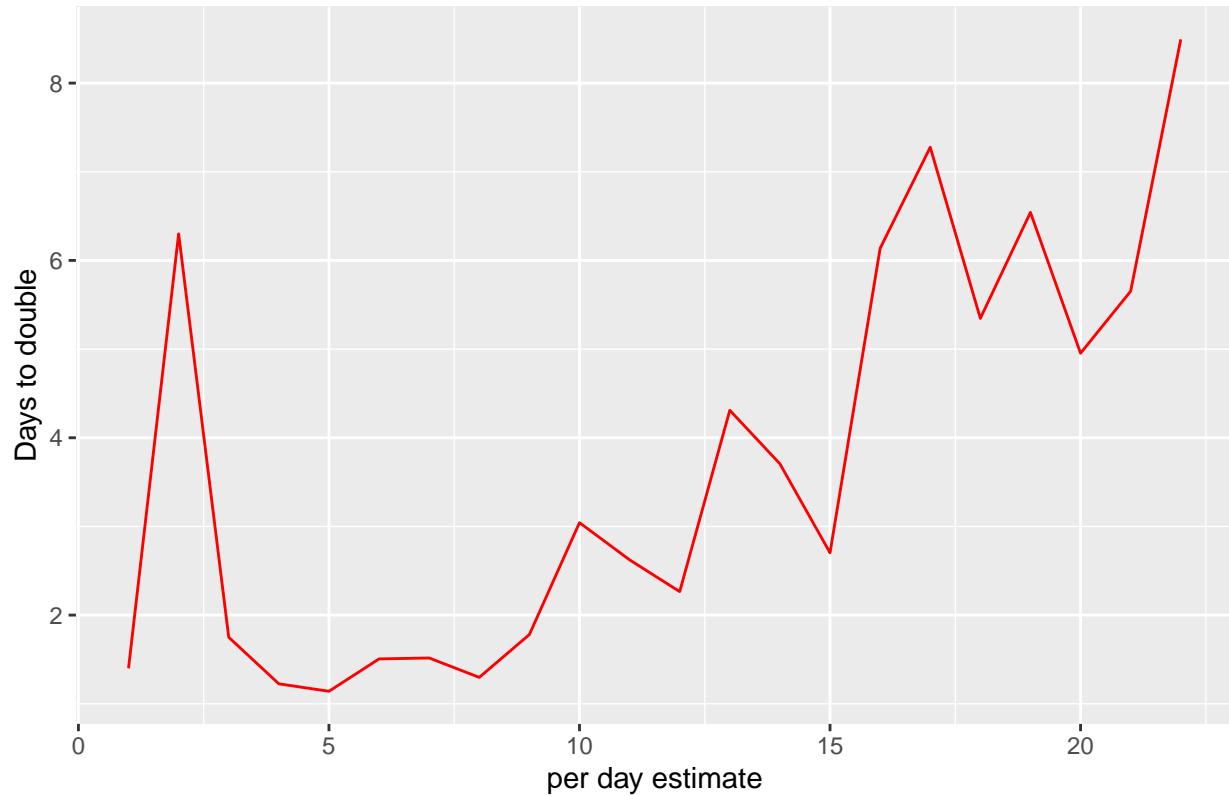
Arizona: Growth Rate



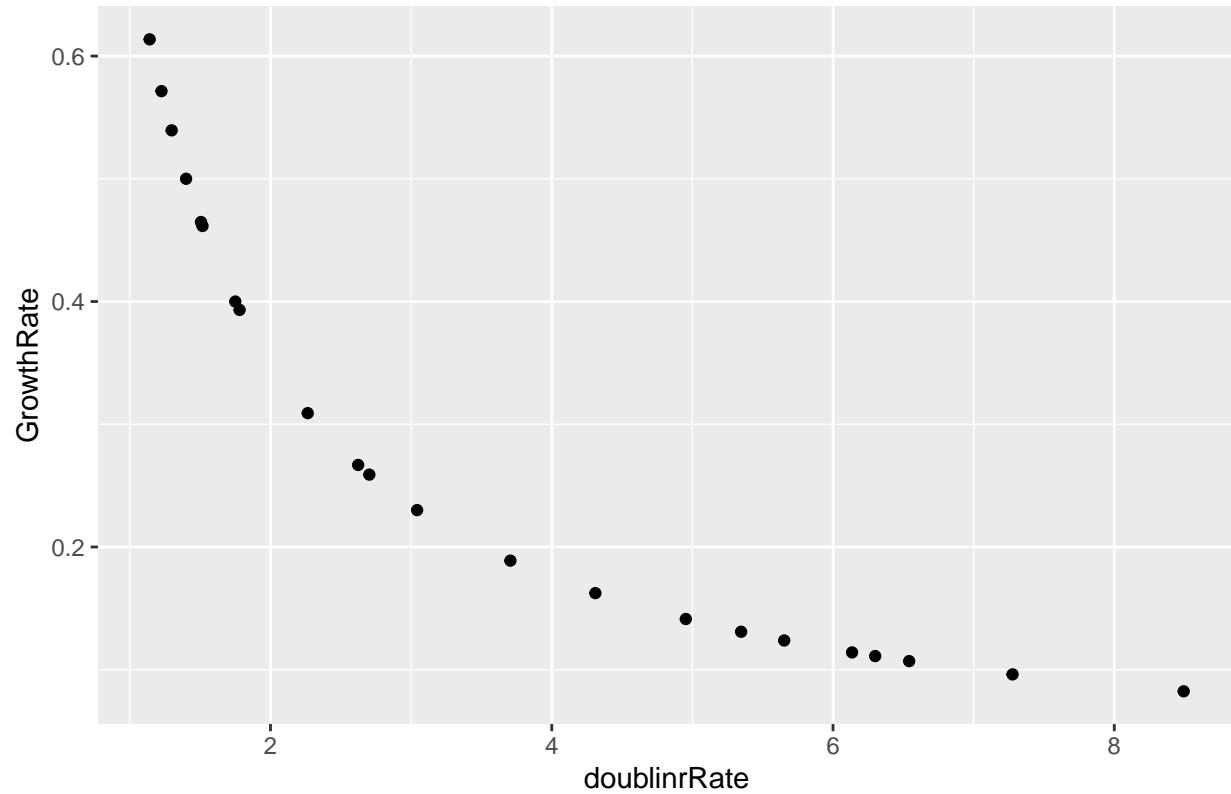
Histogram of GrowthRate



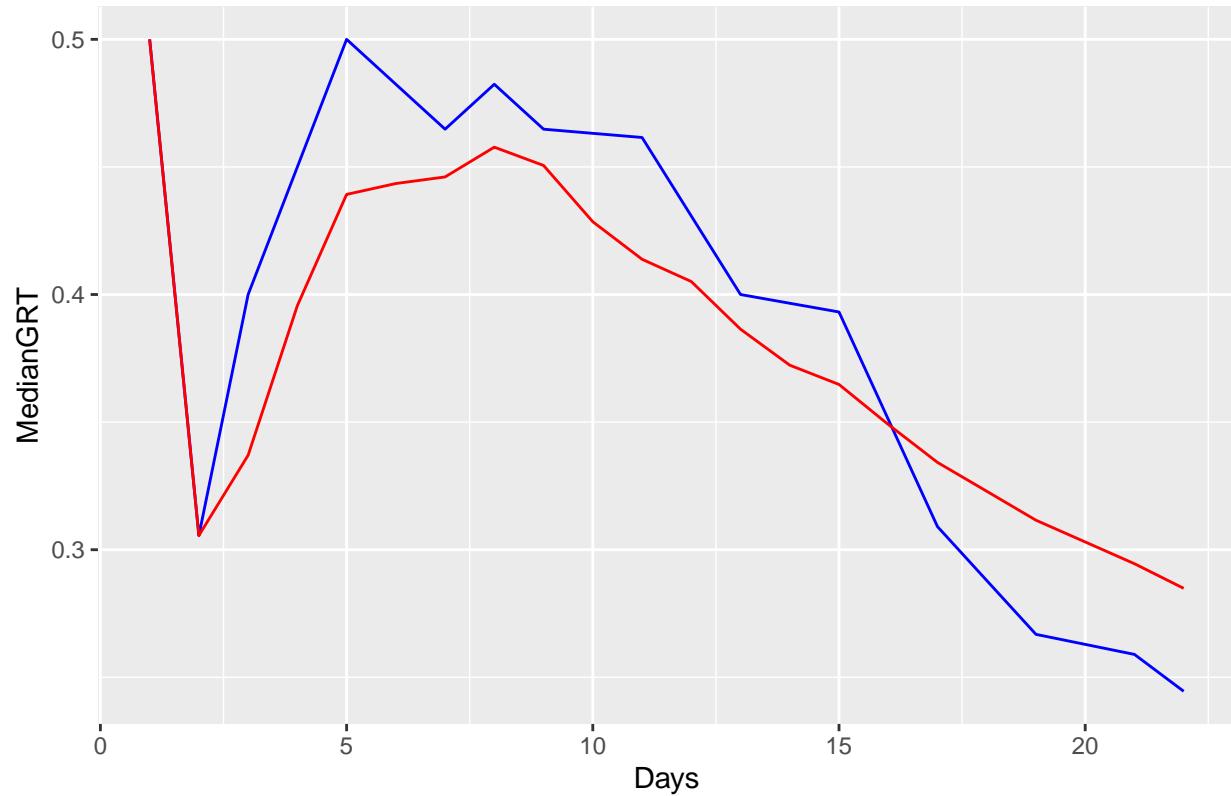
Doubling Rate in days



Doubling Rate vs Growth Rate



Arizona Median(BLUE)VsMean(RED) Growth Rate

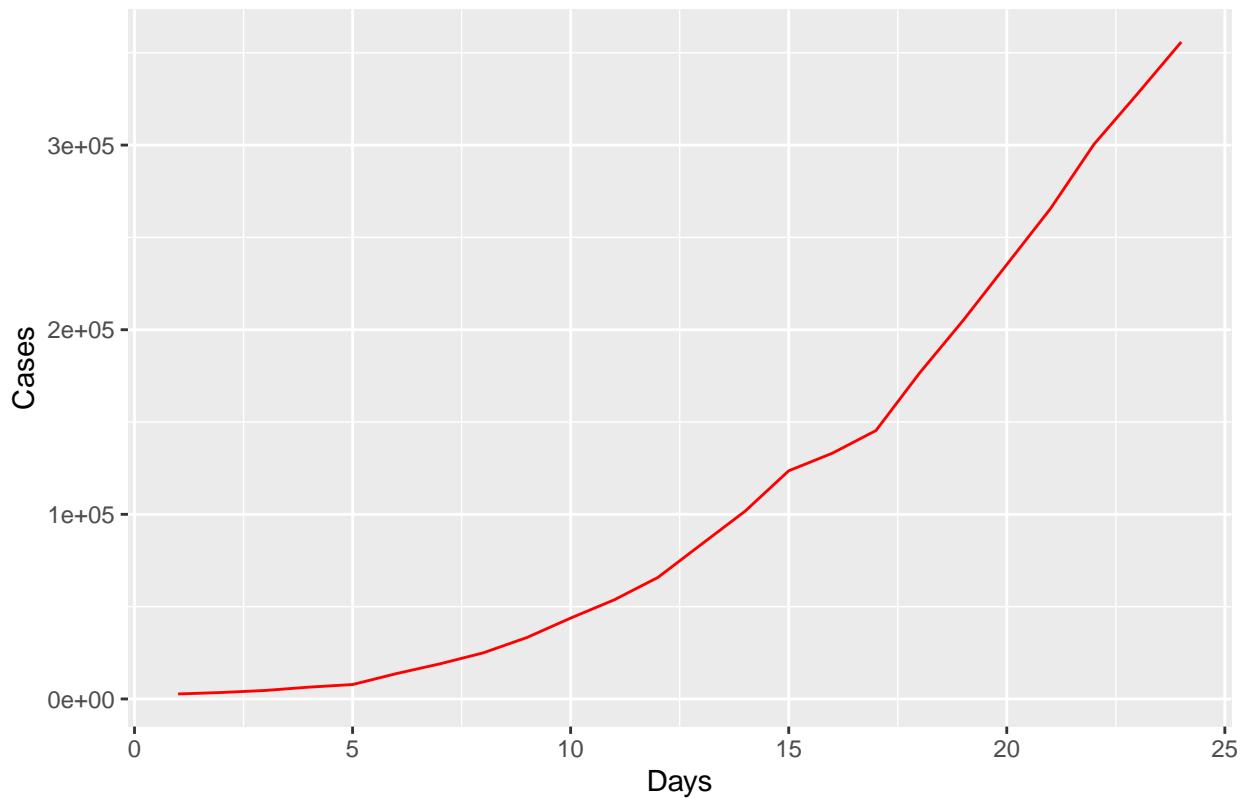


Results:

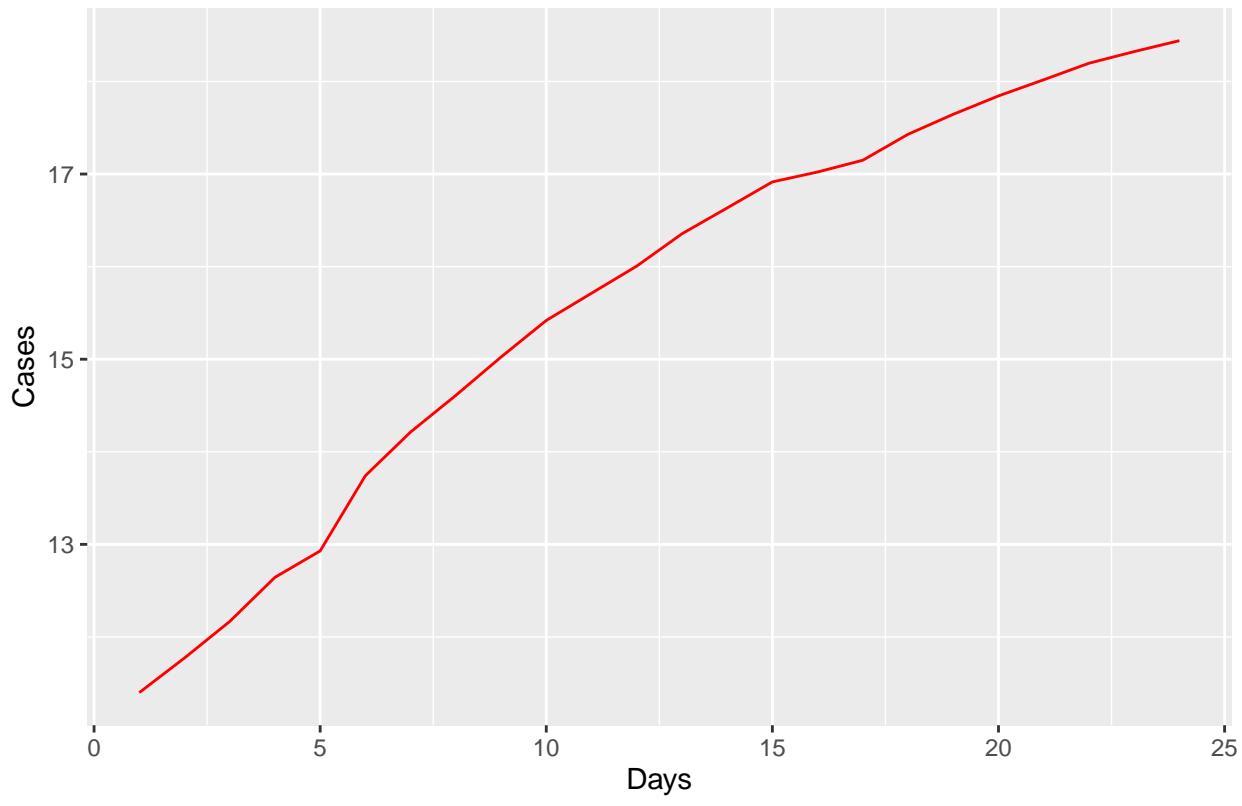
- Tomorrows predicted case number is between **2658.4116351** and **3155.6396738** cases.
- Current doubling rate is **8 days**
- Mean doubling rate, i.e number of cases doubles every **2 days**.
- Median doubling rate, i.e number of cases doubles every **3 days**.
- Latest Observed Growth Rate **8.2415161** percent.
- Mean Growth Rate: **28.4869574** percent.
- Median Growth Rate: **24.4519249** percent.
- Standard deviation: +/- **17.6808639**.

US Corona Dashboard

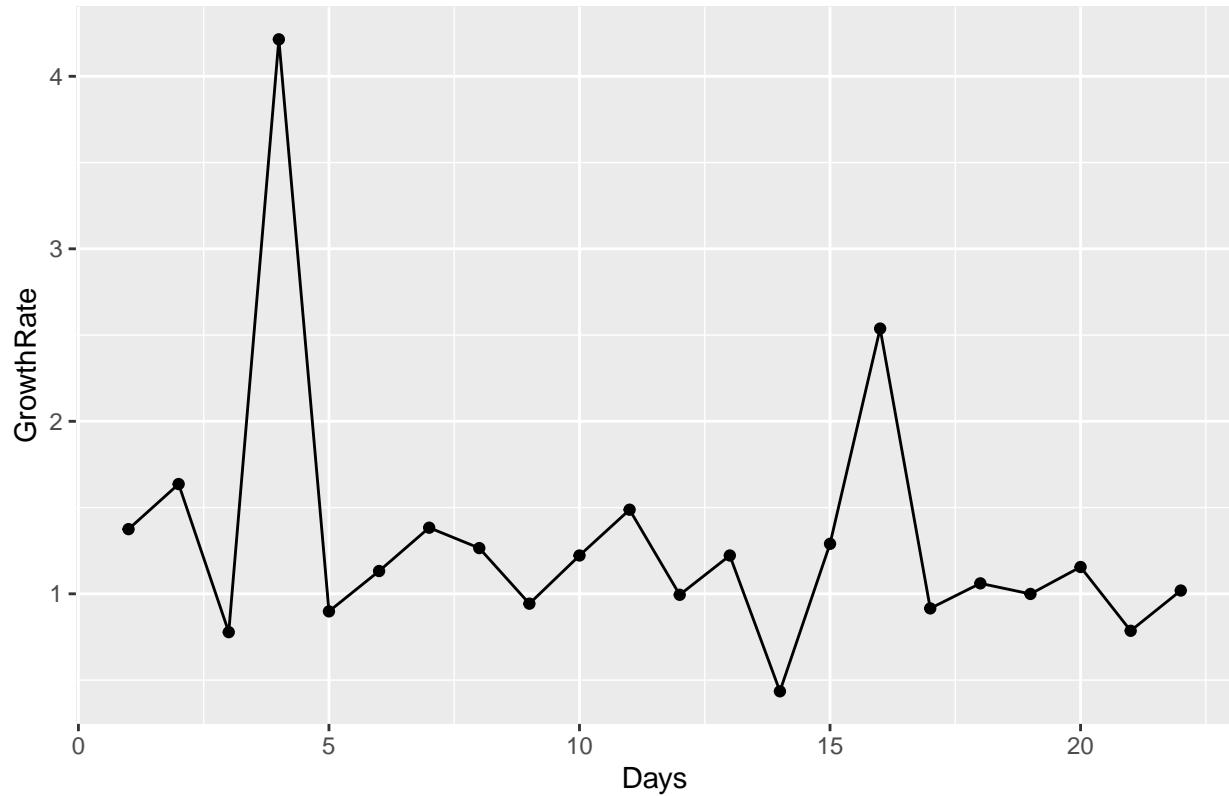
US: Daily Cases



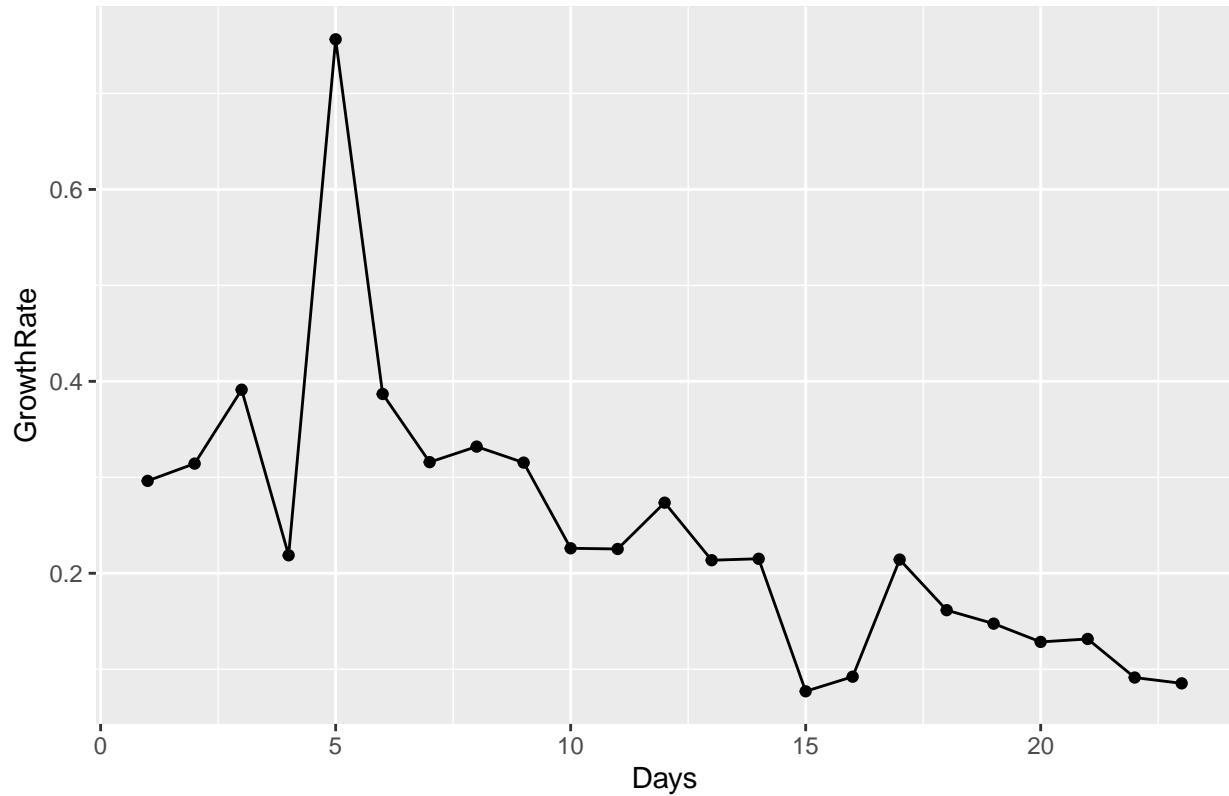
US: Daily Cases



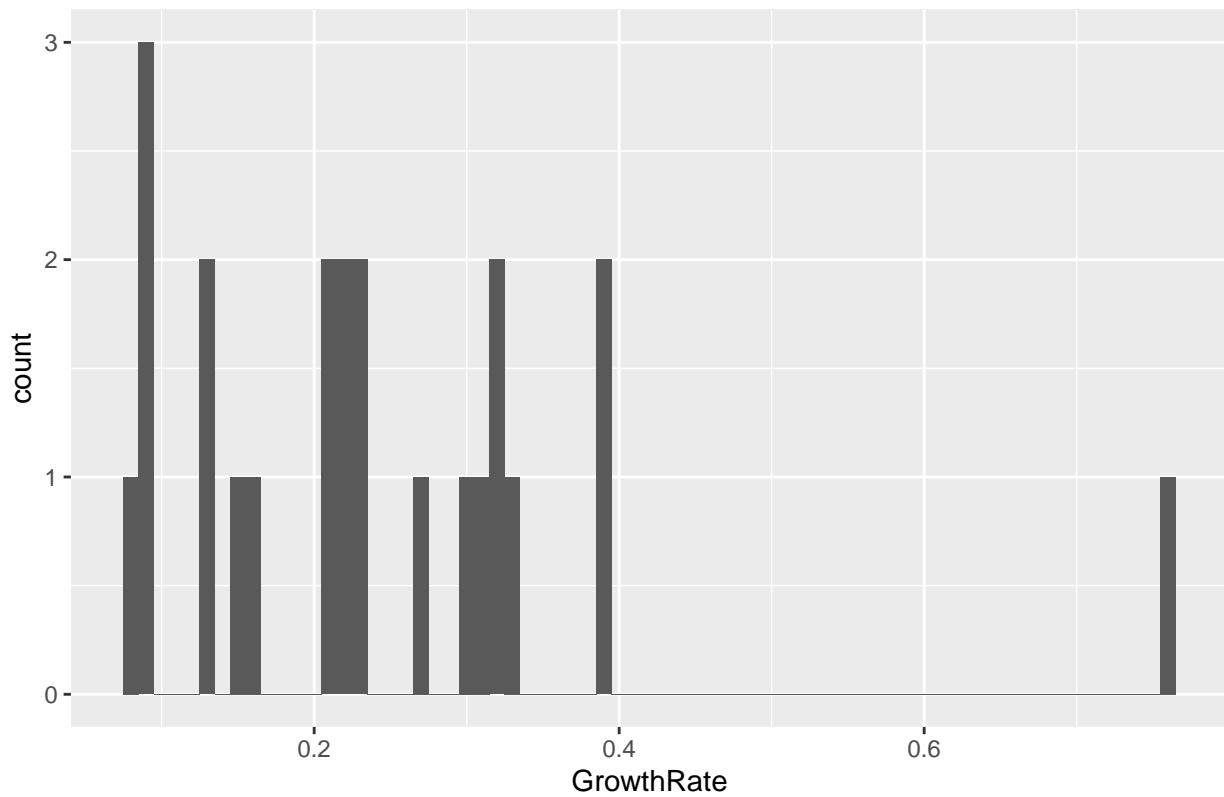
US: Rate of change in Growth Rate



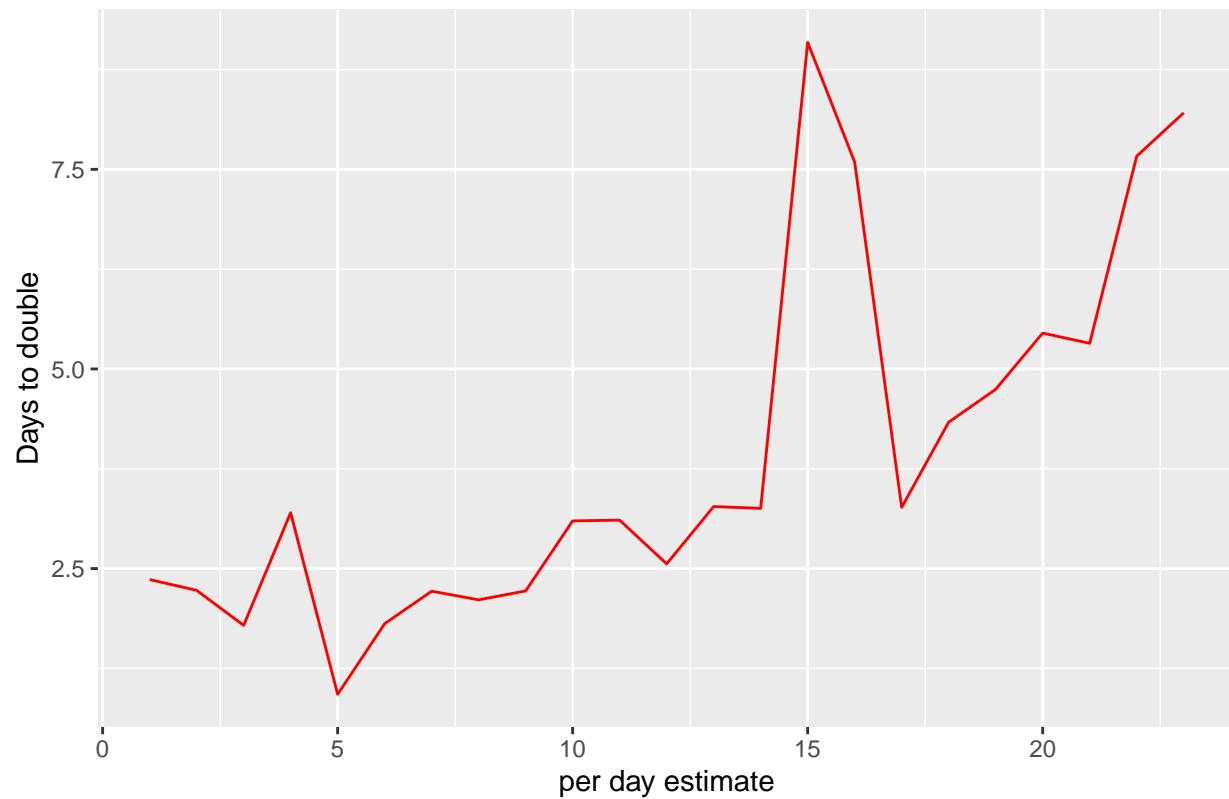
US: Growth Rate



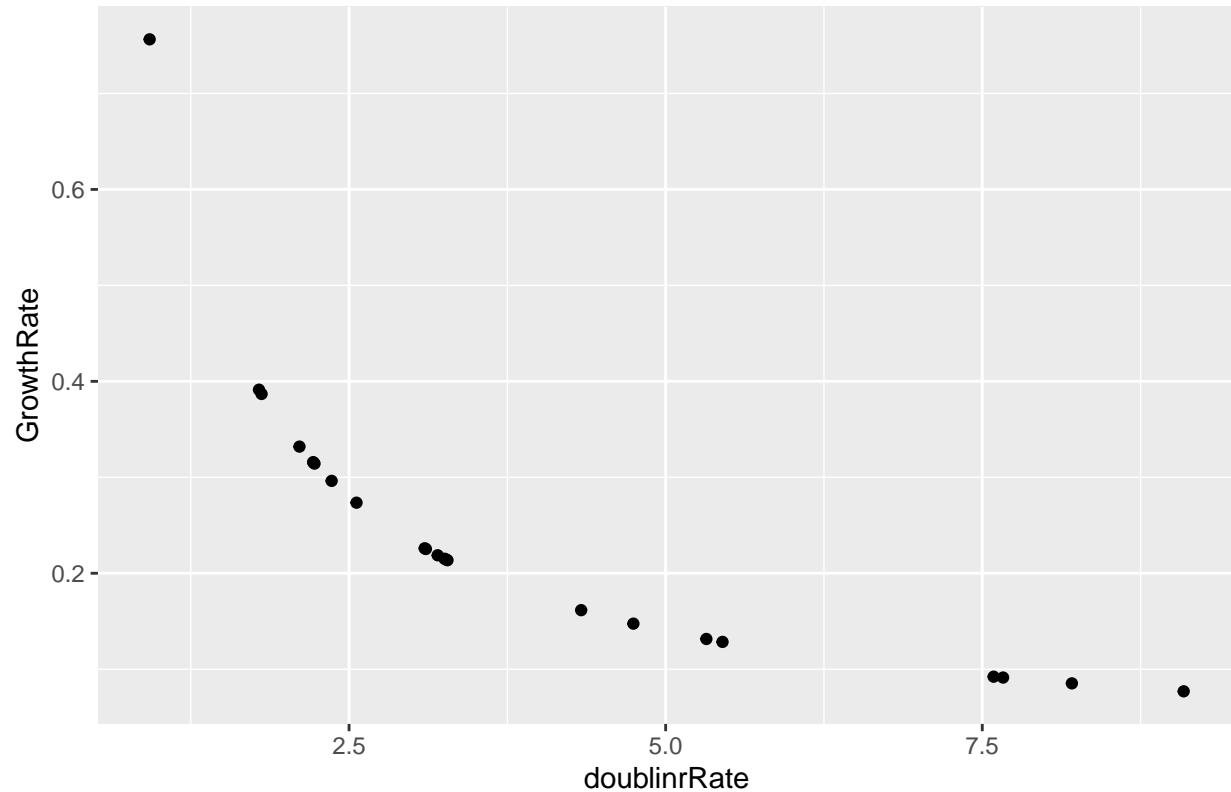
Histogram of GrowthRate



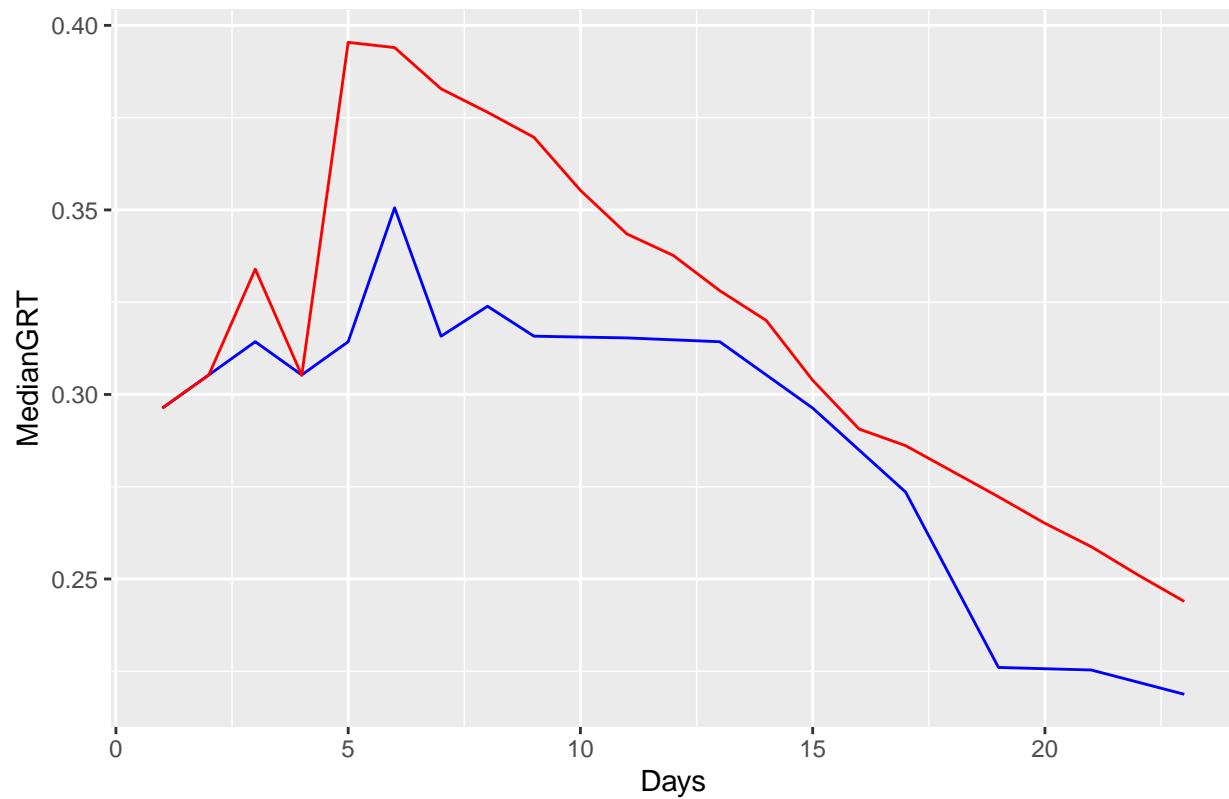
Doubling Rate in days



Doubling Rate vs Growth Rate



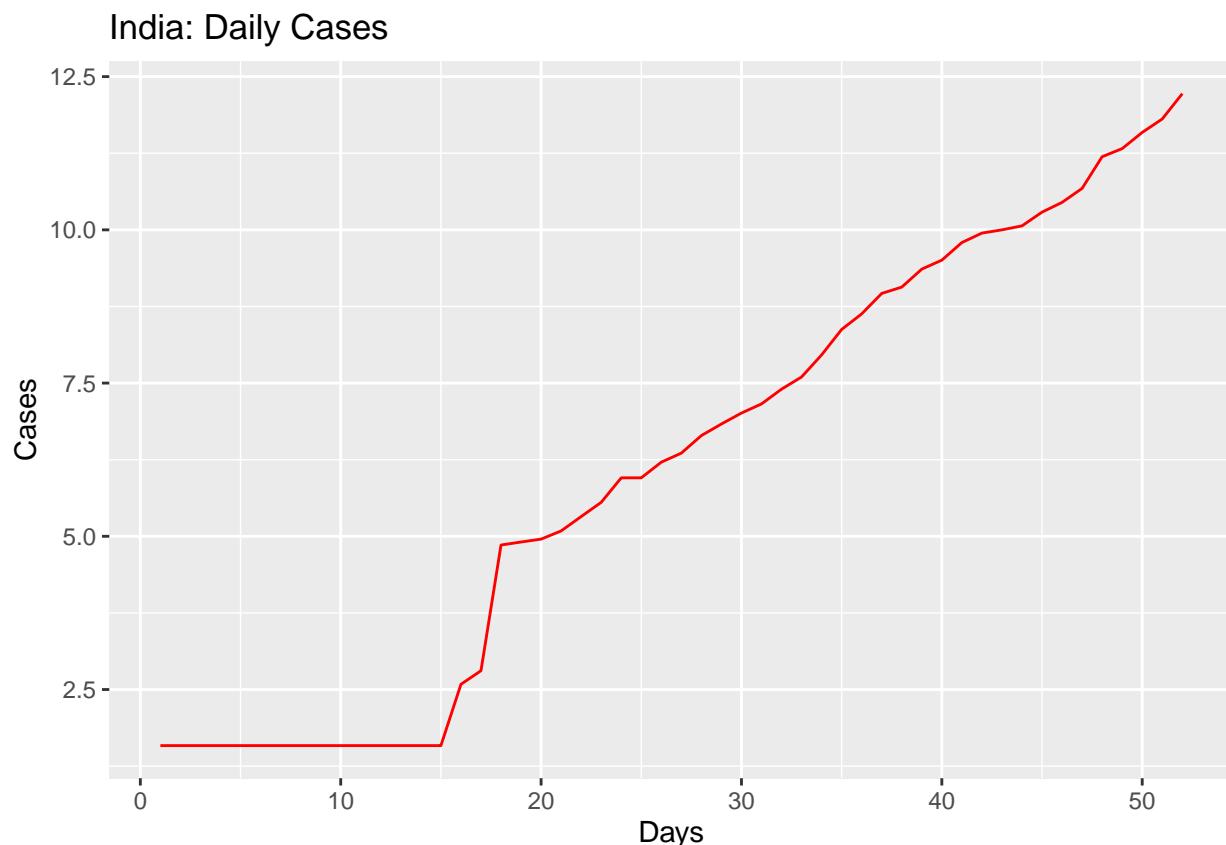
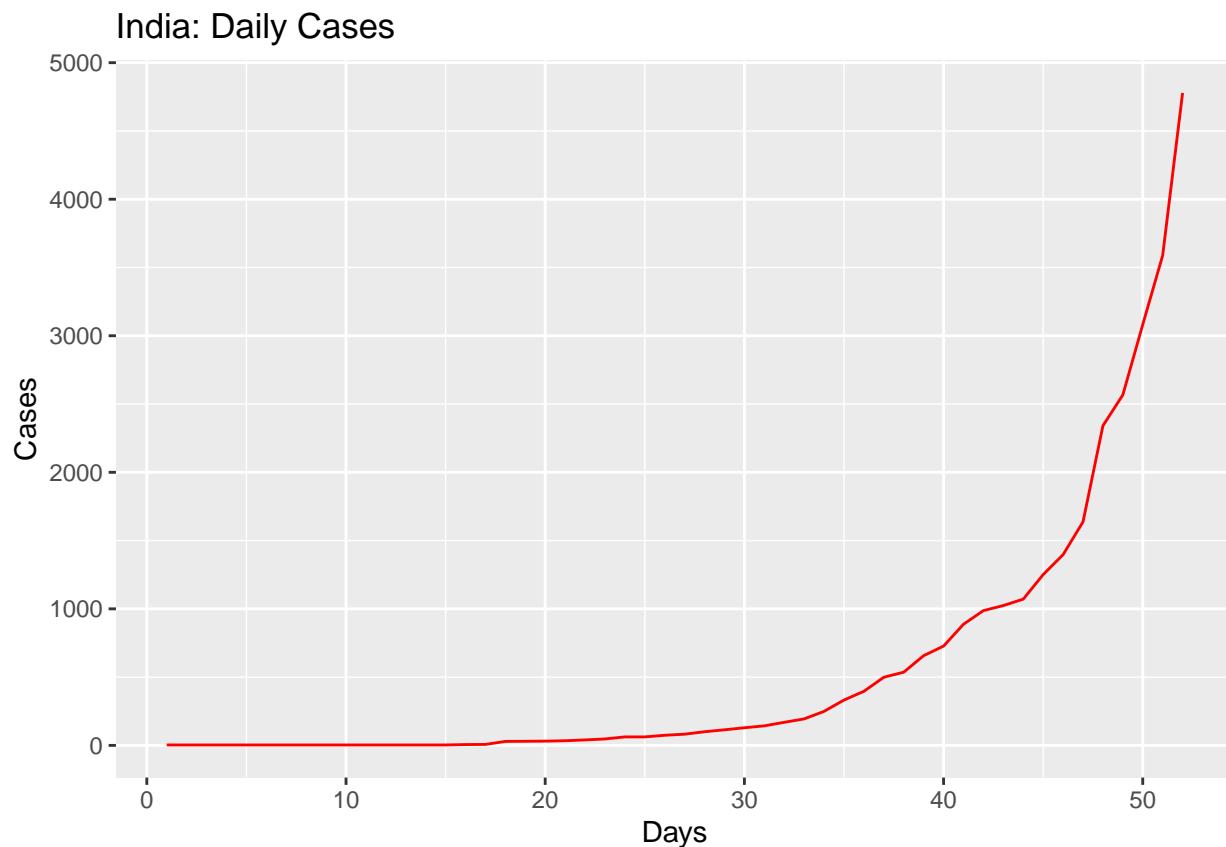
US Median(BLUE)VsMean(RED) Growth Rate



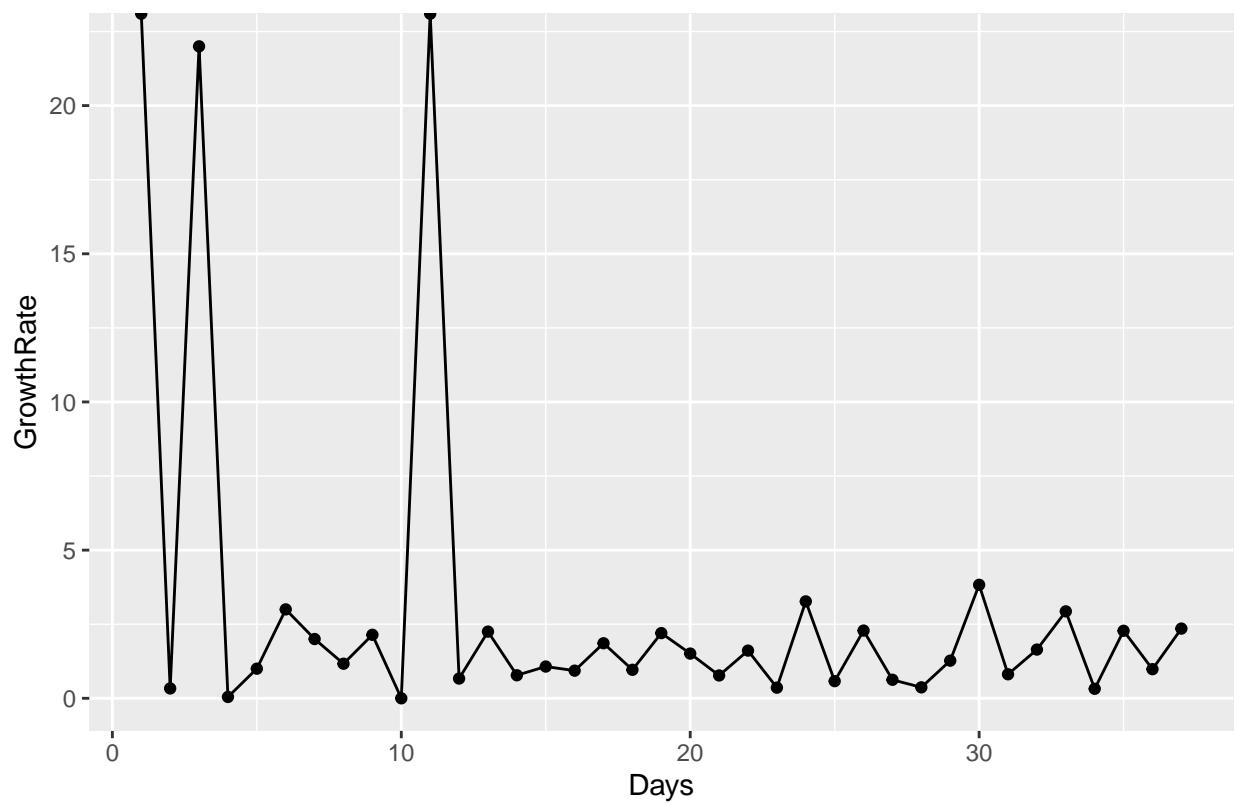
Results:

- Tomorrows predicted case number is between 3.8618187×10^5 and 4.4262427×10^5 cases.
- Current doubling rate is **8 days**
- Mean doubling rate, i.e number of cases doubles every **3 days**.
- Median doubling rate, i.e number of cases doubles every **3 days**.
- Latest Observed Growth Rate **8.5286591** percent.
- Mean Growth Rate: **24.3906629** percent.
- Median Growth Rate: **21.875** percent.
- Standard deviation: +/- **14.7197483**.

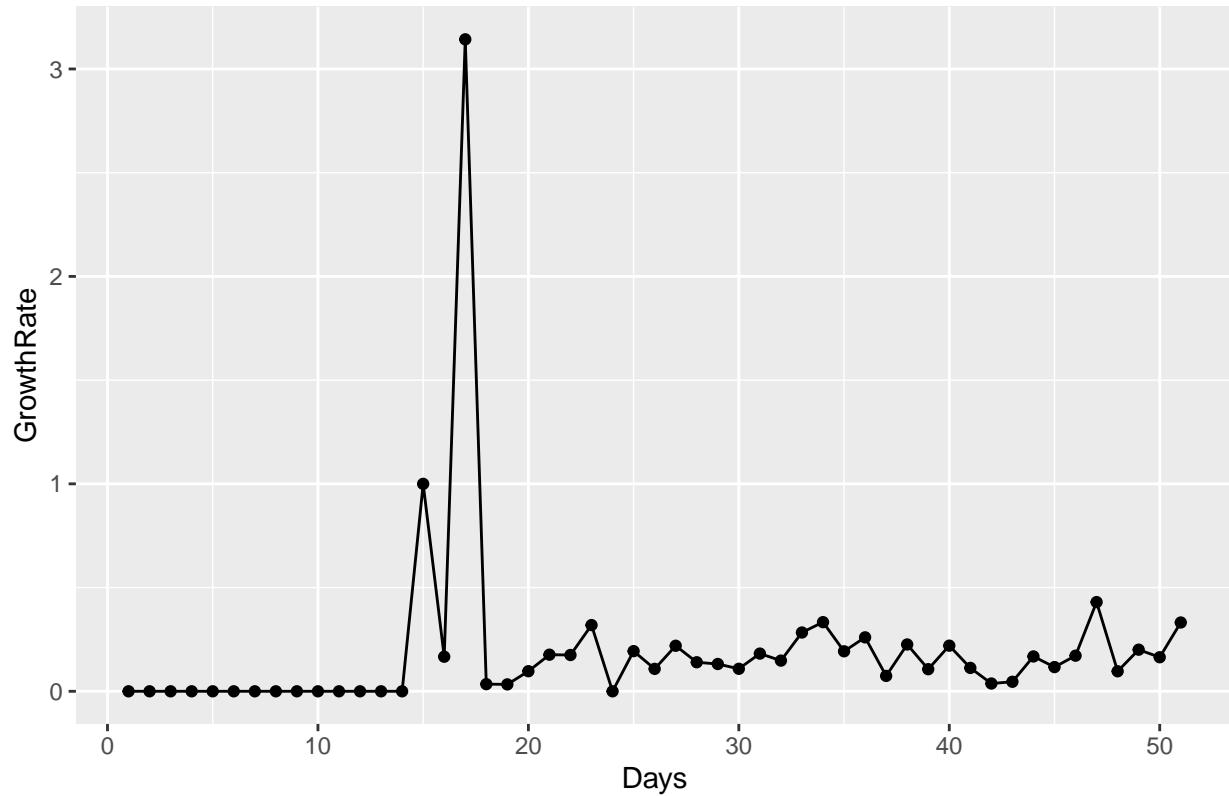
India Corona Dashboard



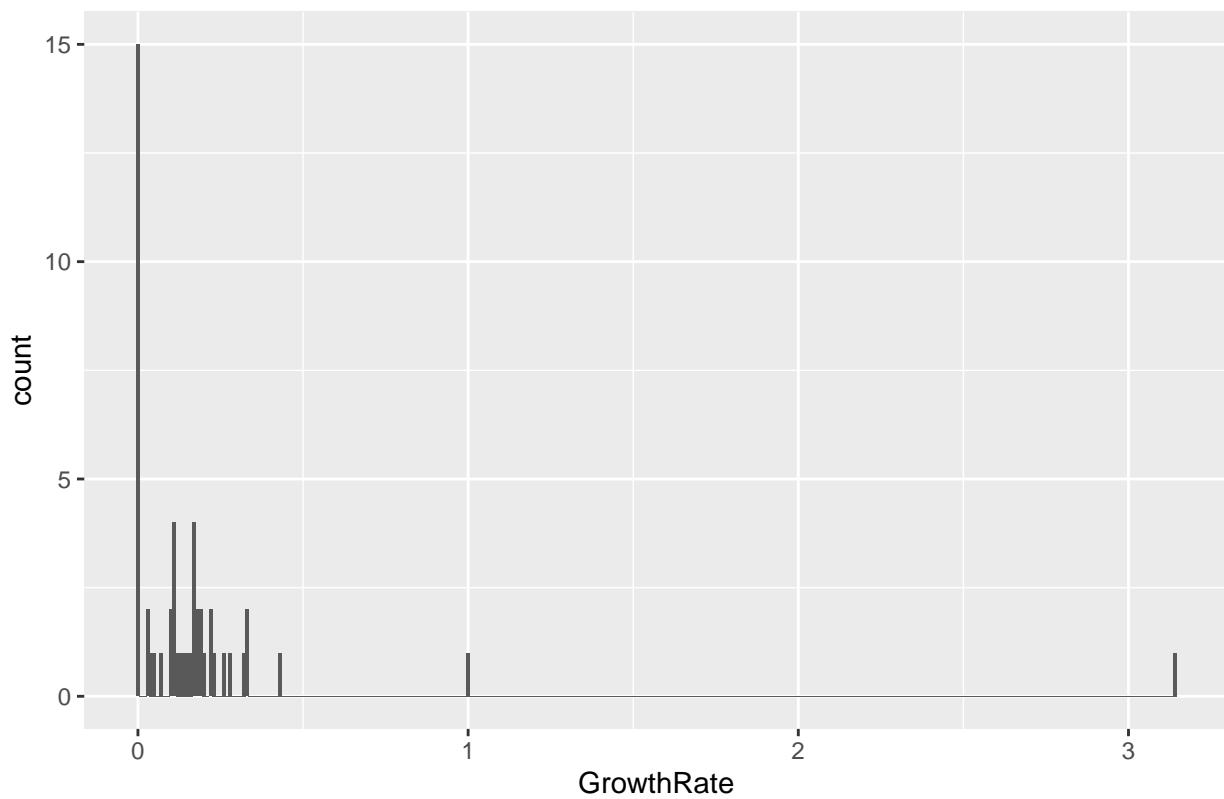
US: Rate of change in Growth Rate



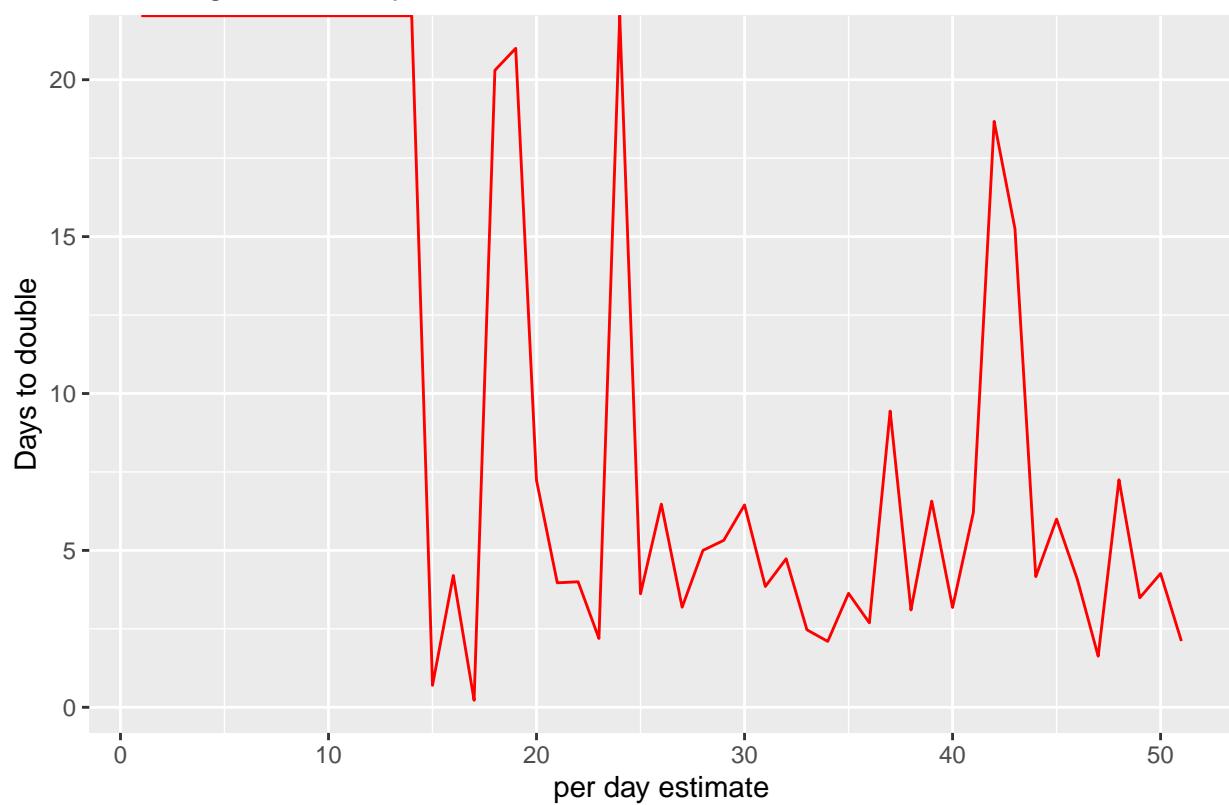
India: Growth Rate



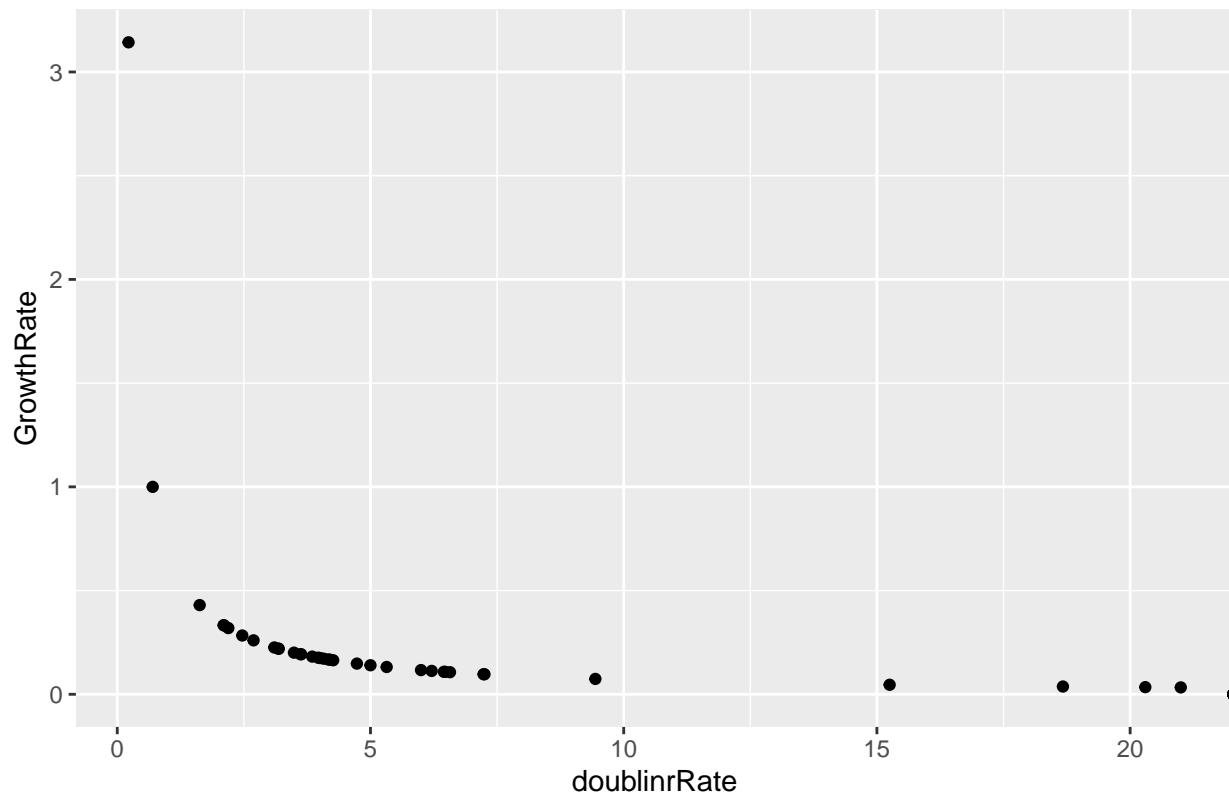
Histogram of GrowthRate



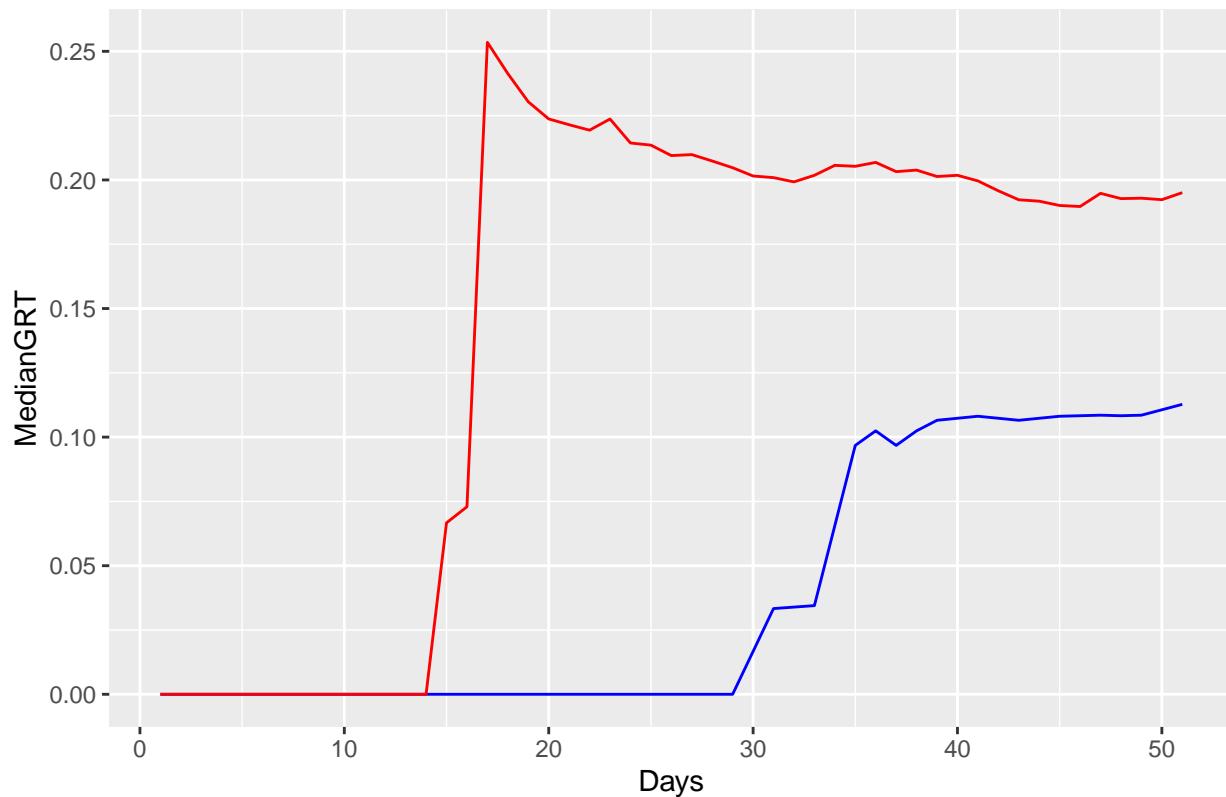
Doubling Rate in days



Doubling Rate vs Growth Rate



India Median(BLUE)VsMean(RED) Growth Rate



Results:

- Tomorrows predicted case number is between **6362.6767001** and **5709.9669317** cases.
- Current doubling rate is **2 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 **33.1661093** percent.
- Mean Growth Rate: **19.5053774** percent.
- Median Growth Rate: **11.2739572** percent.
- Standard deviation: +/- **45.1948216**.