

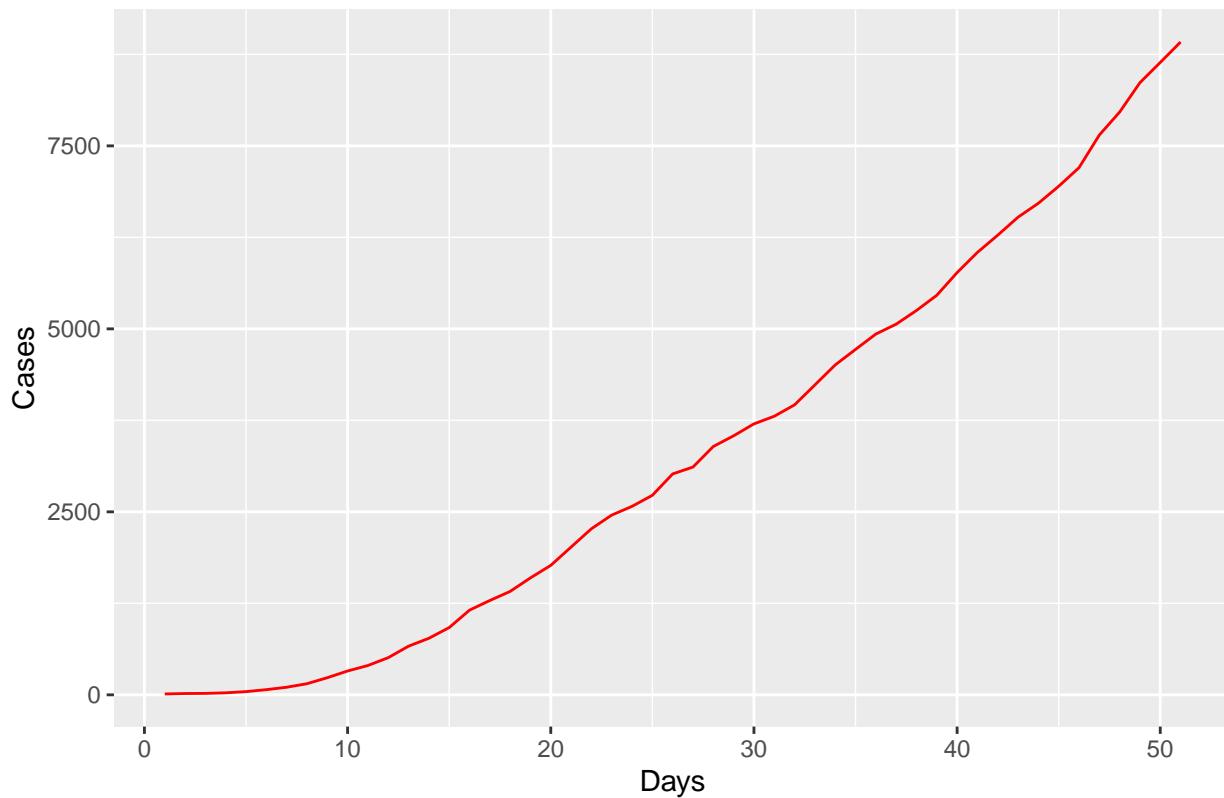
# Arizona/US/India Corona Trends- 4th May 2020 with tomorrow's prediction

Whitchurch Muthumani

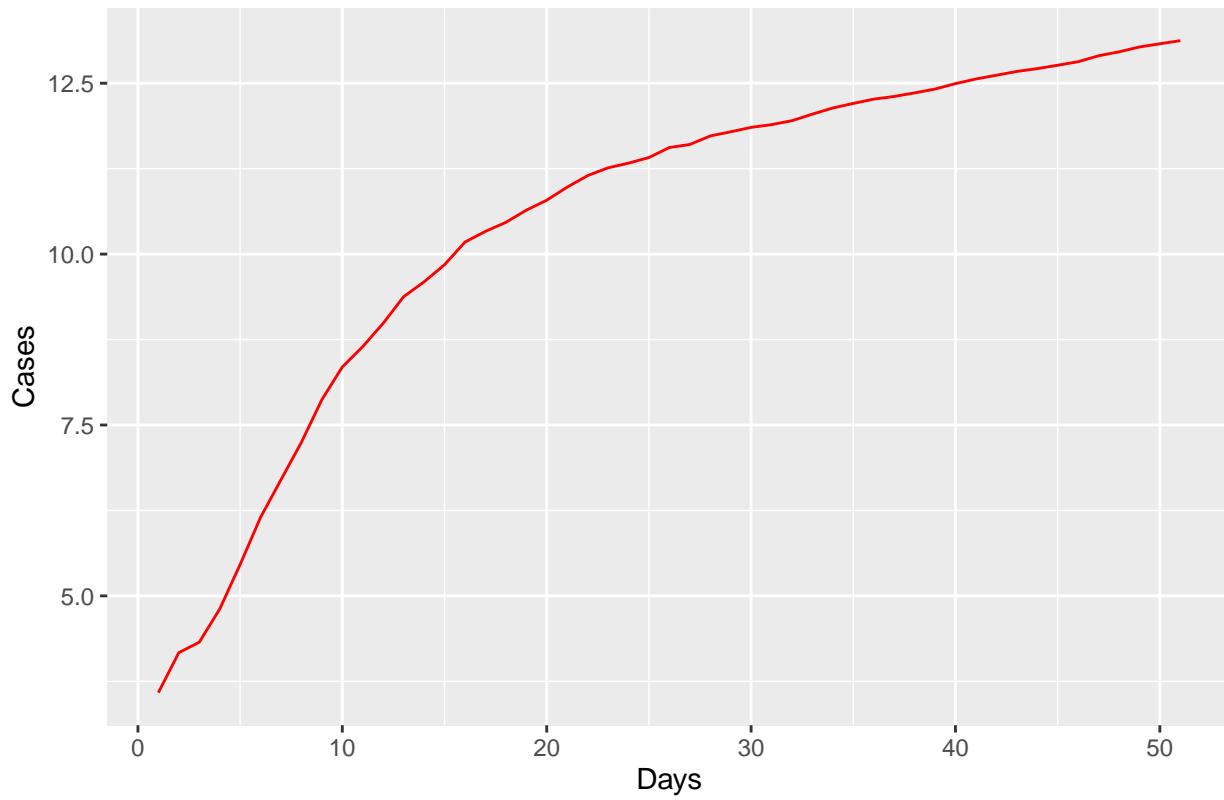
5/4/2020

## Arizona Corona Dashboard

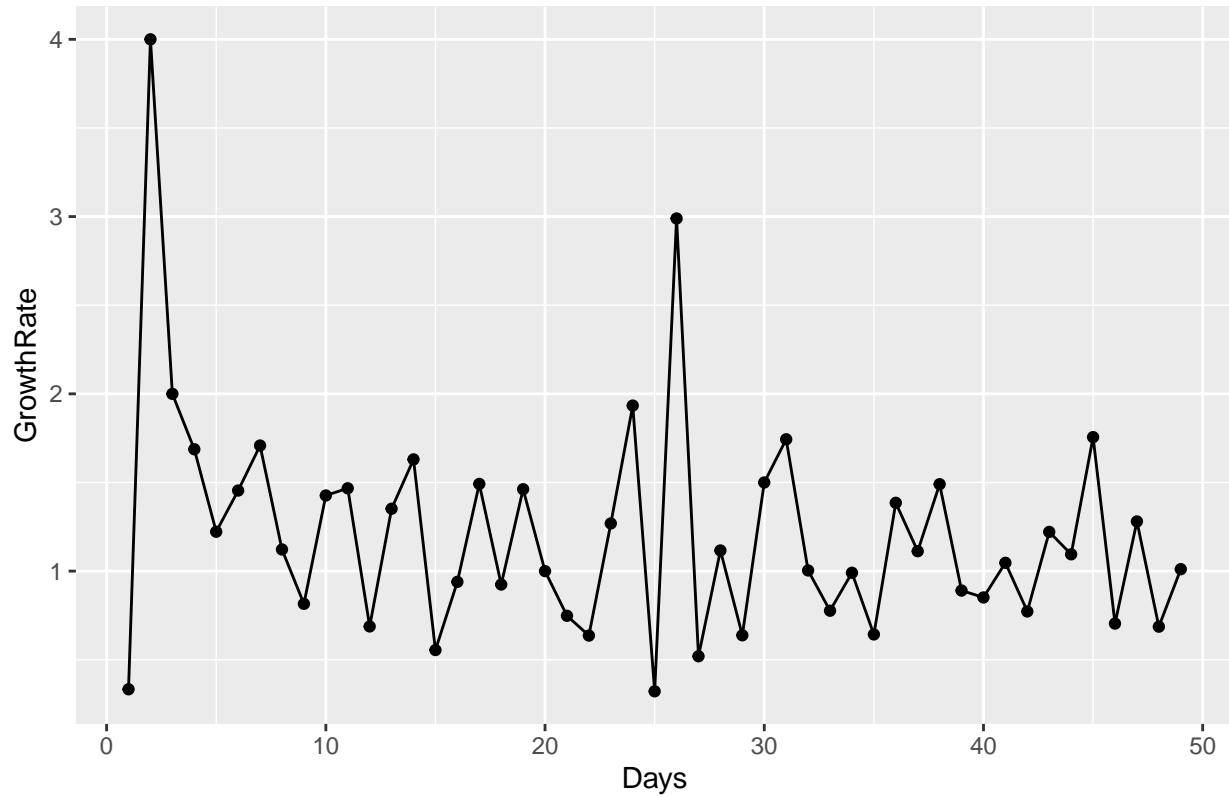
### Arizona: Daily Cases



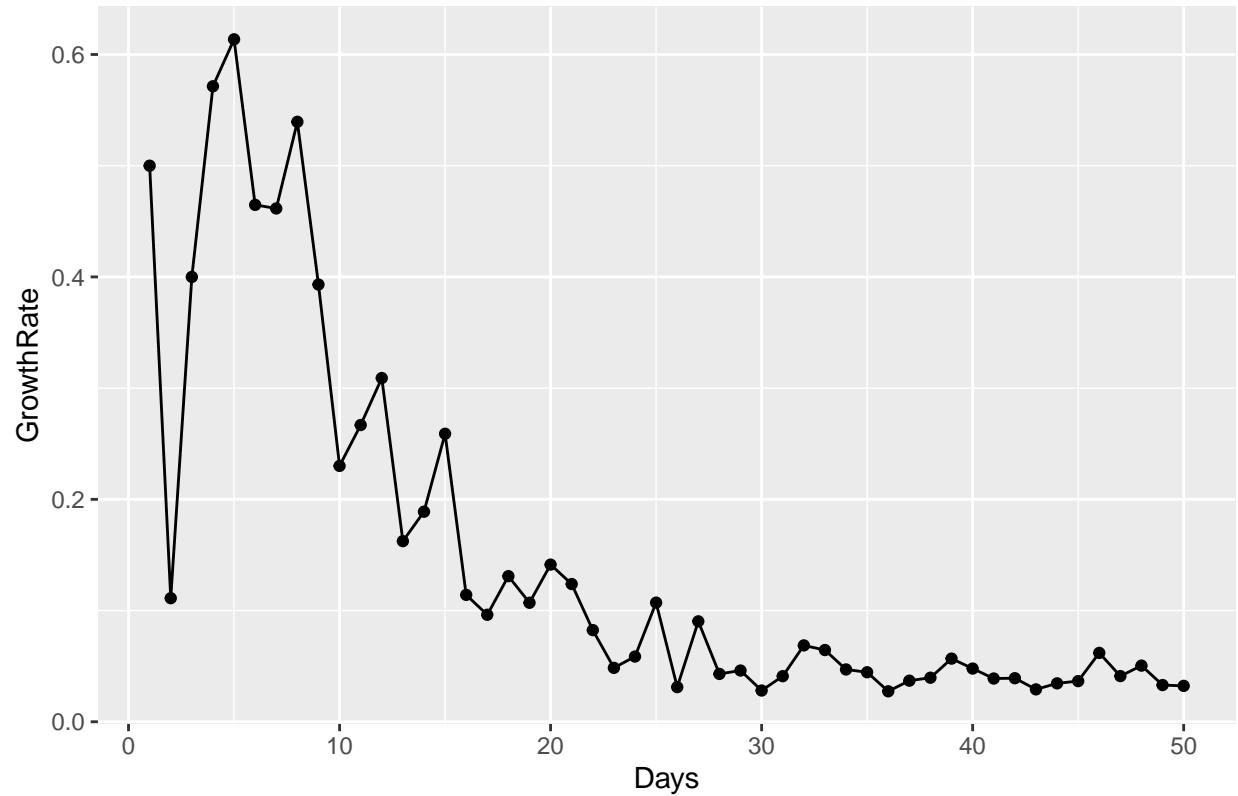
### Arizona: Daily Cases



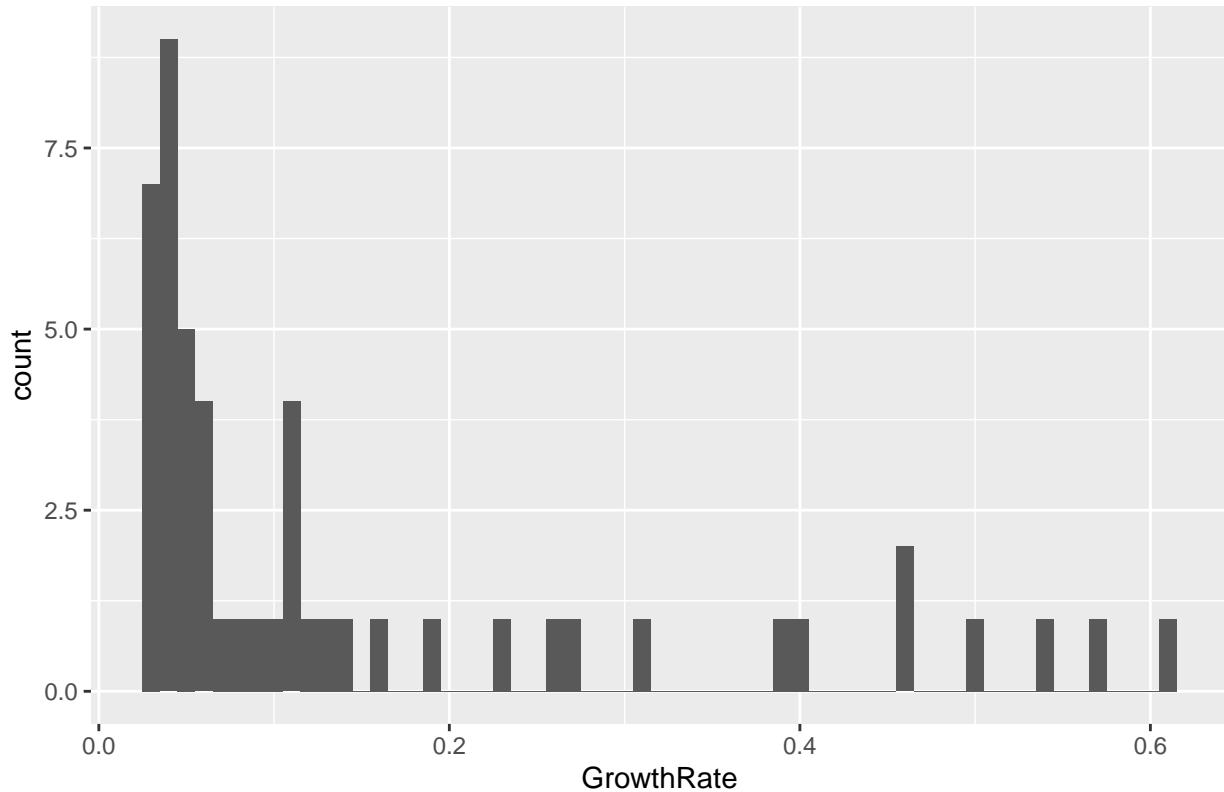
### Arizona: Rate of change in Growth Rate



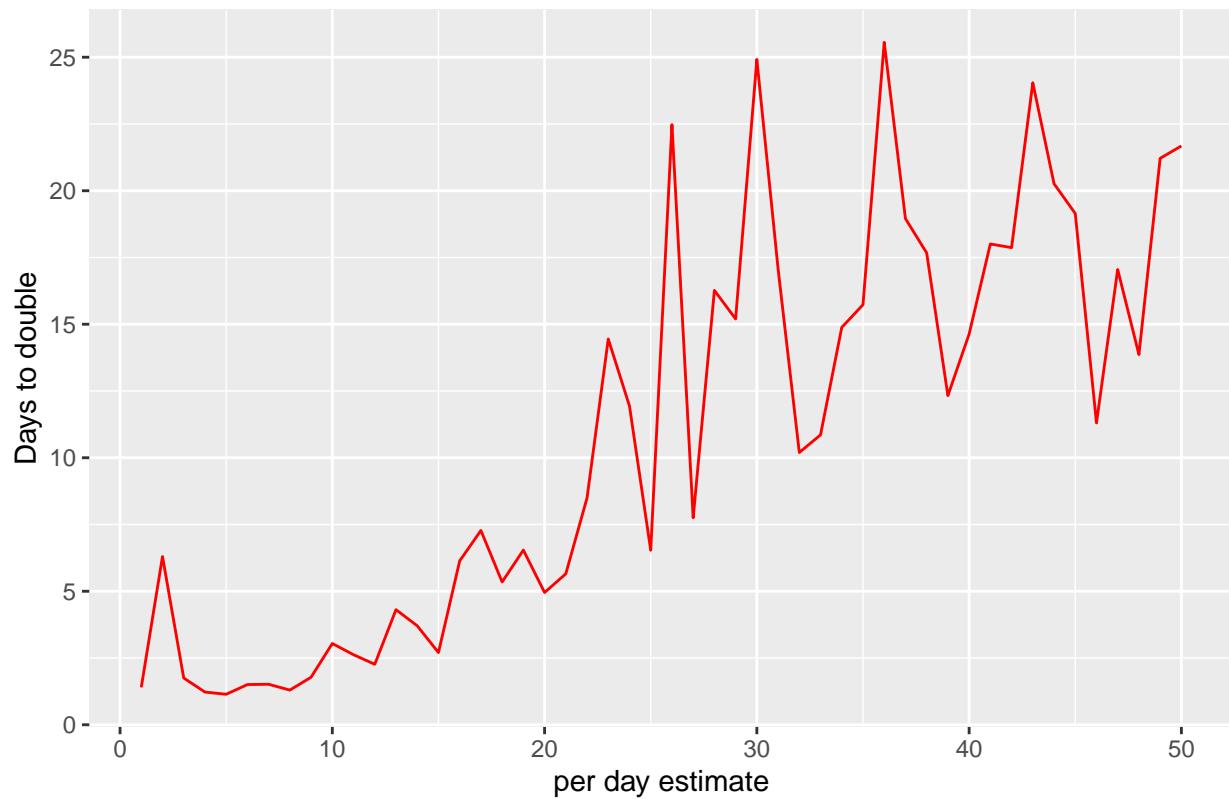
## Arizona: Growth Rate



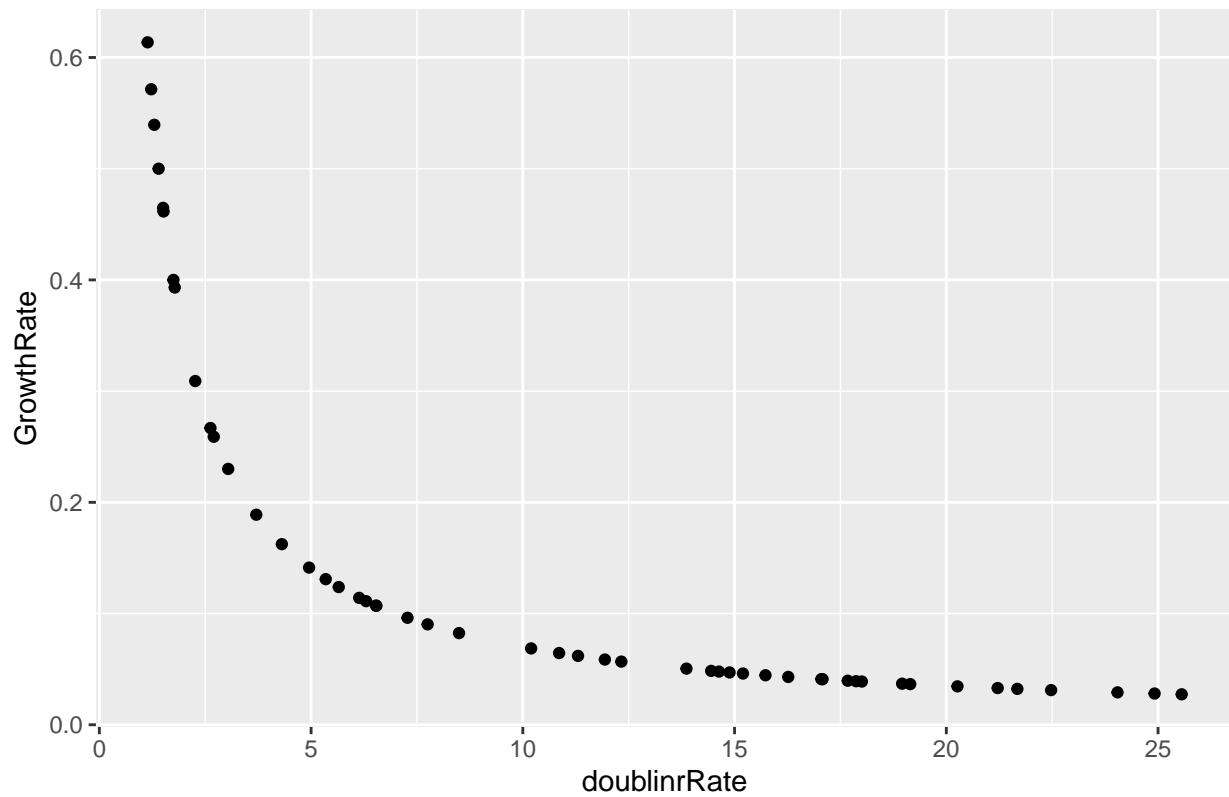
Histogram of GrowthRate



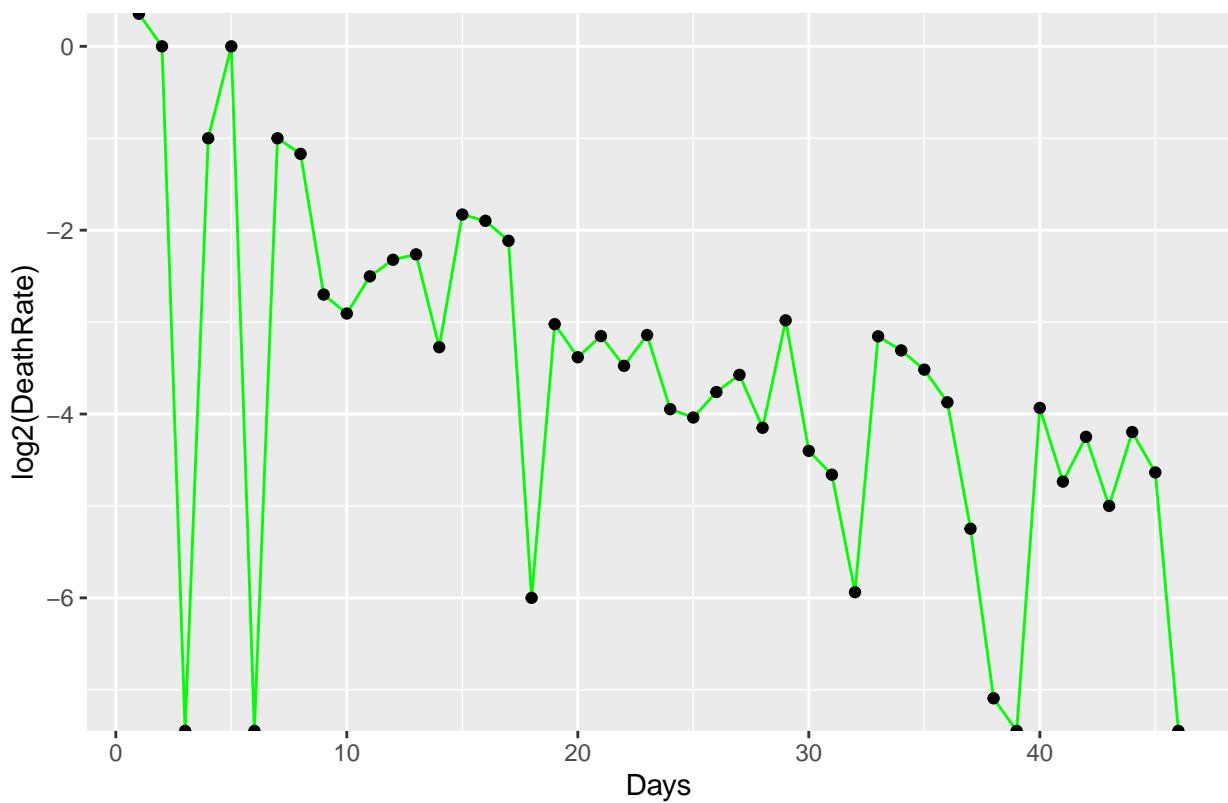
## Doubling Rate in days



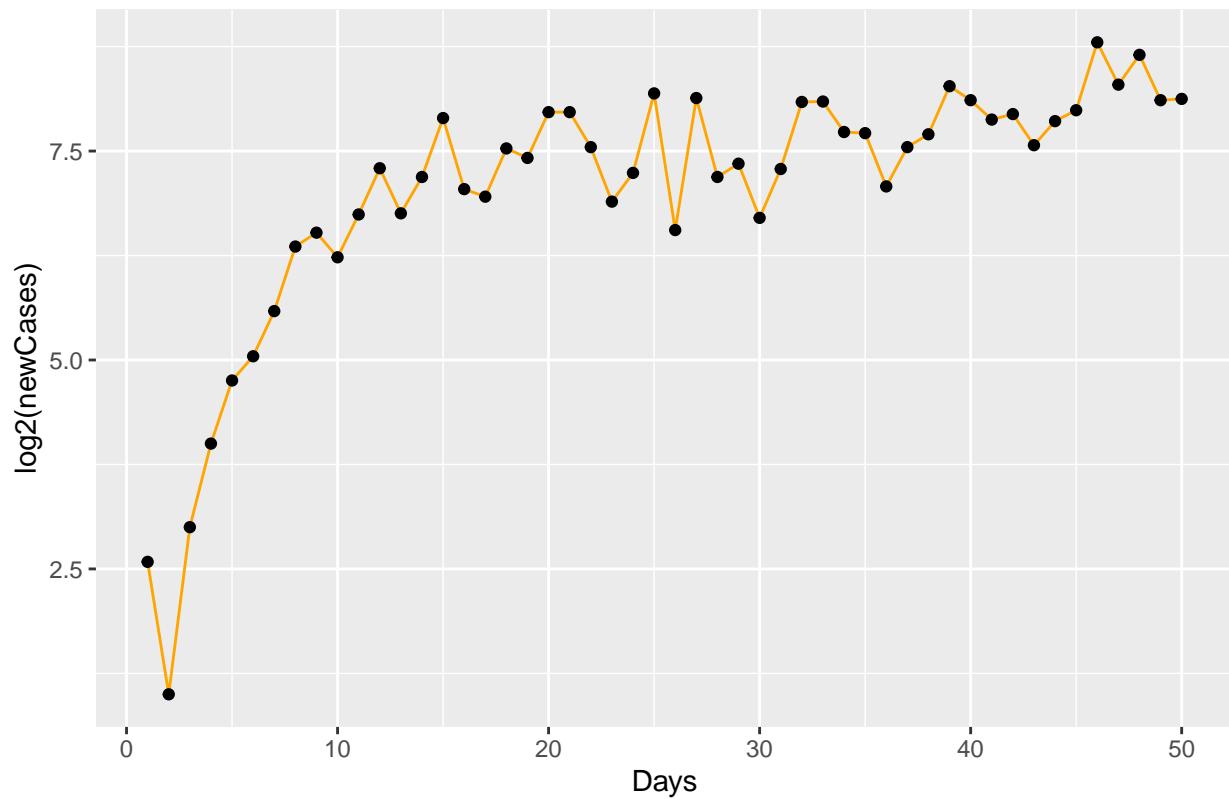
## Doubling Rate vs Growth Rate



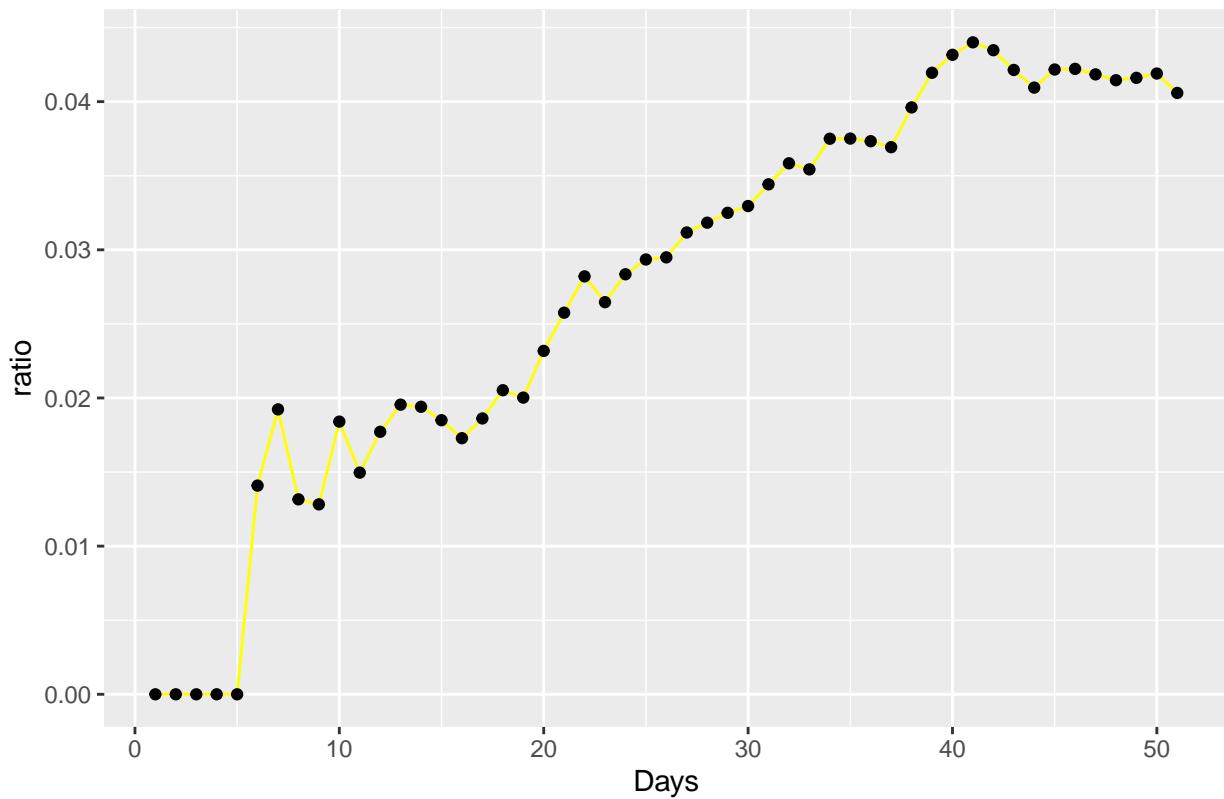
### Arizona: Daily Death Rate



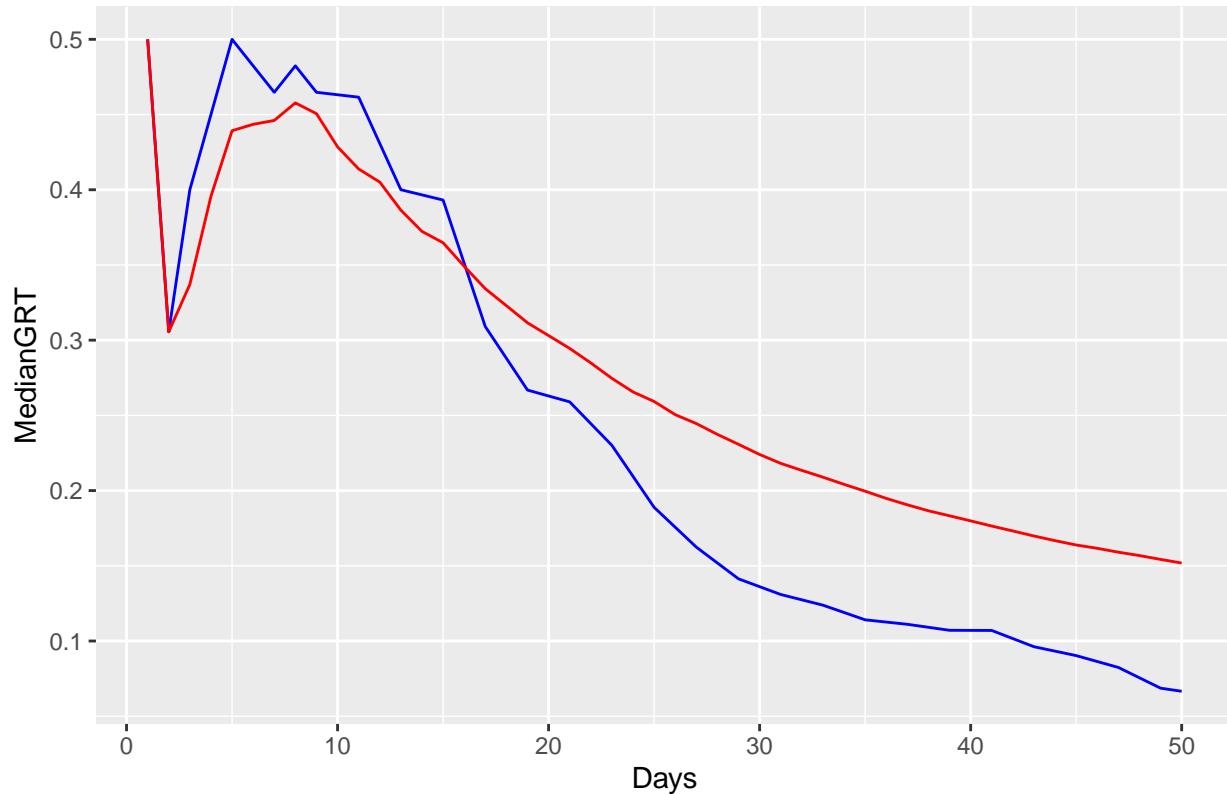
Arizona:newCases(Orange)



### Arizona: TotalDeaths/TotalCases



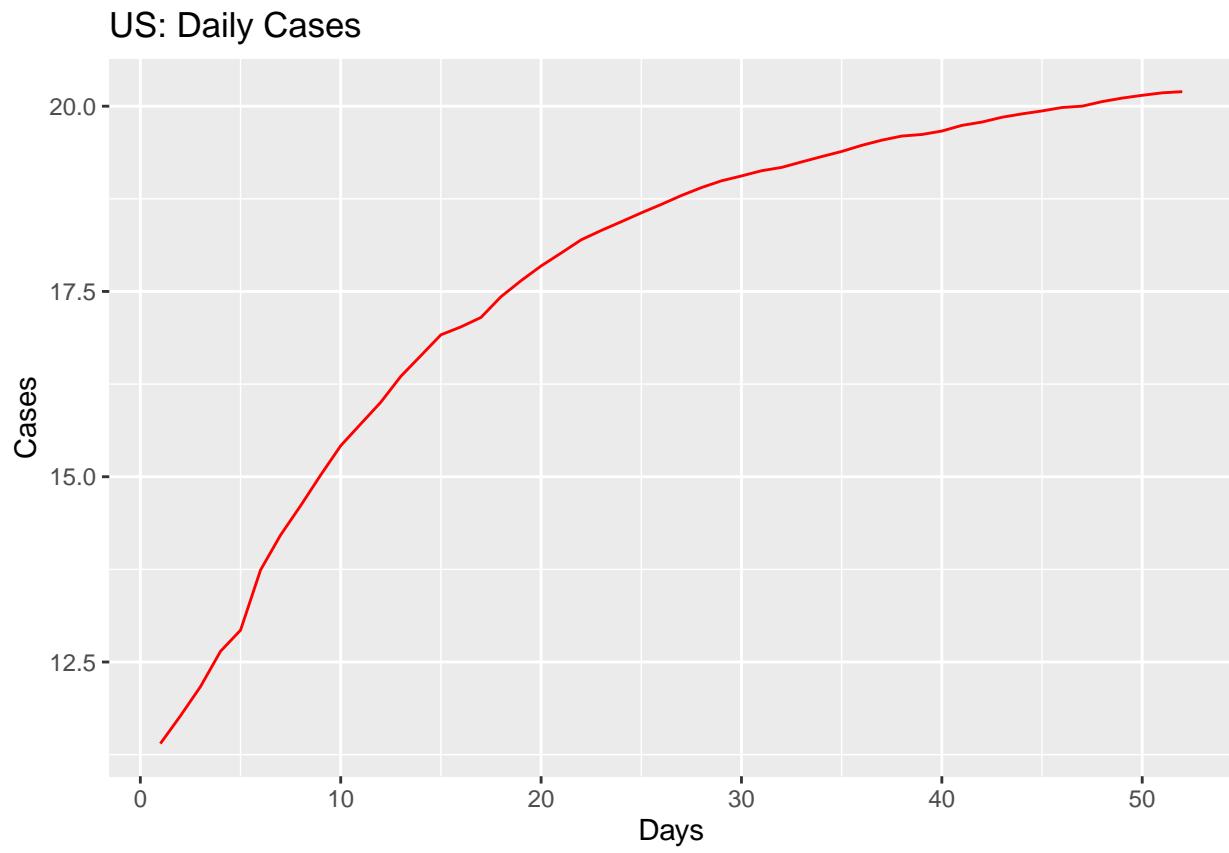
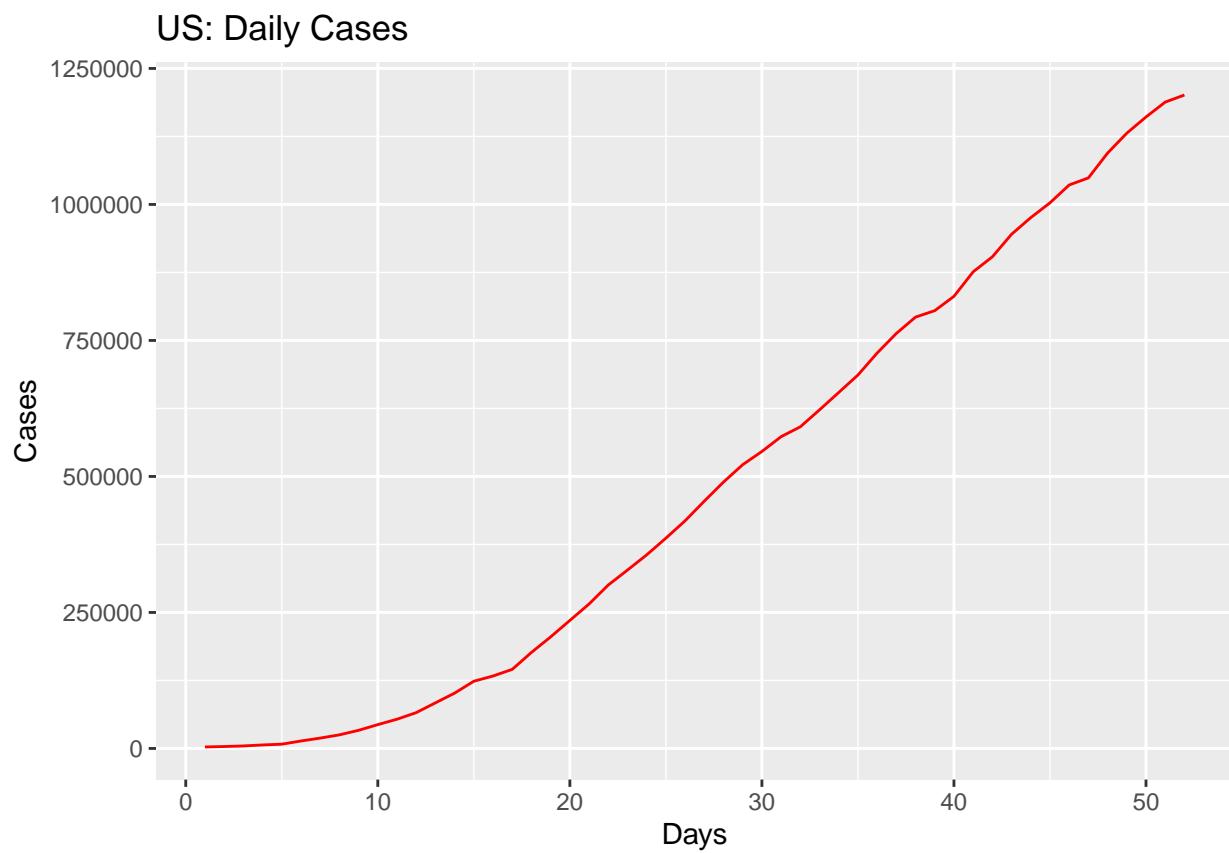
### Arizona Median(BLUE)VsMean(RED) Growth Rate



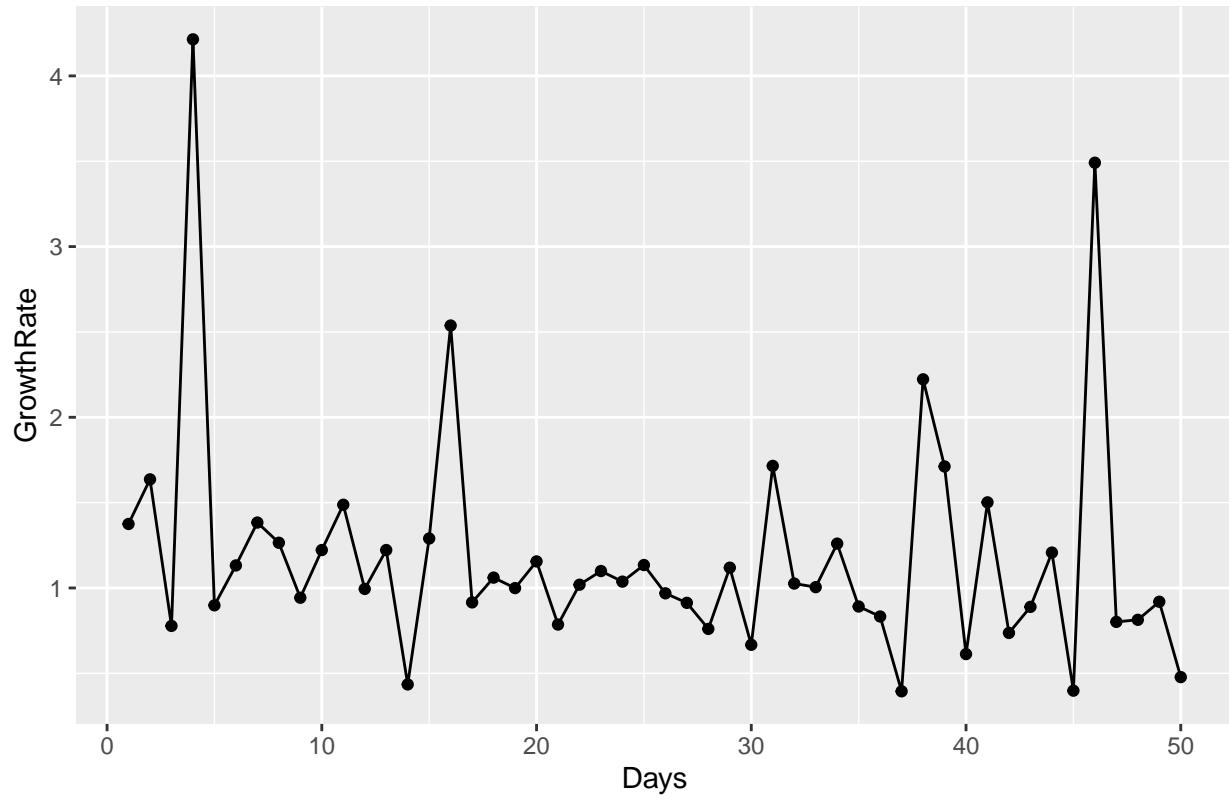
#### Results:

- Tomorrows predicted case number is between **9207.009375** and  $1.0273119 \times 10^4$  cases.
- Current doubling rate is **22 days**
- Mean doubling rate, i.e number of cases doubles every **5 days**.
- Median doubling rate, i.e number of cases doubles every **11 days**.
- Latest Observed Growth Rate **3.2291667** percent.
- Mean Growth Rate: **15.1824086** percent.
- Median Growth Rate: **6.6565115** percent.
- Standard deviation: +/- **16.6658934**.

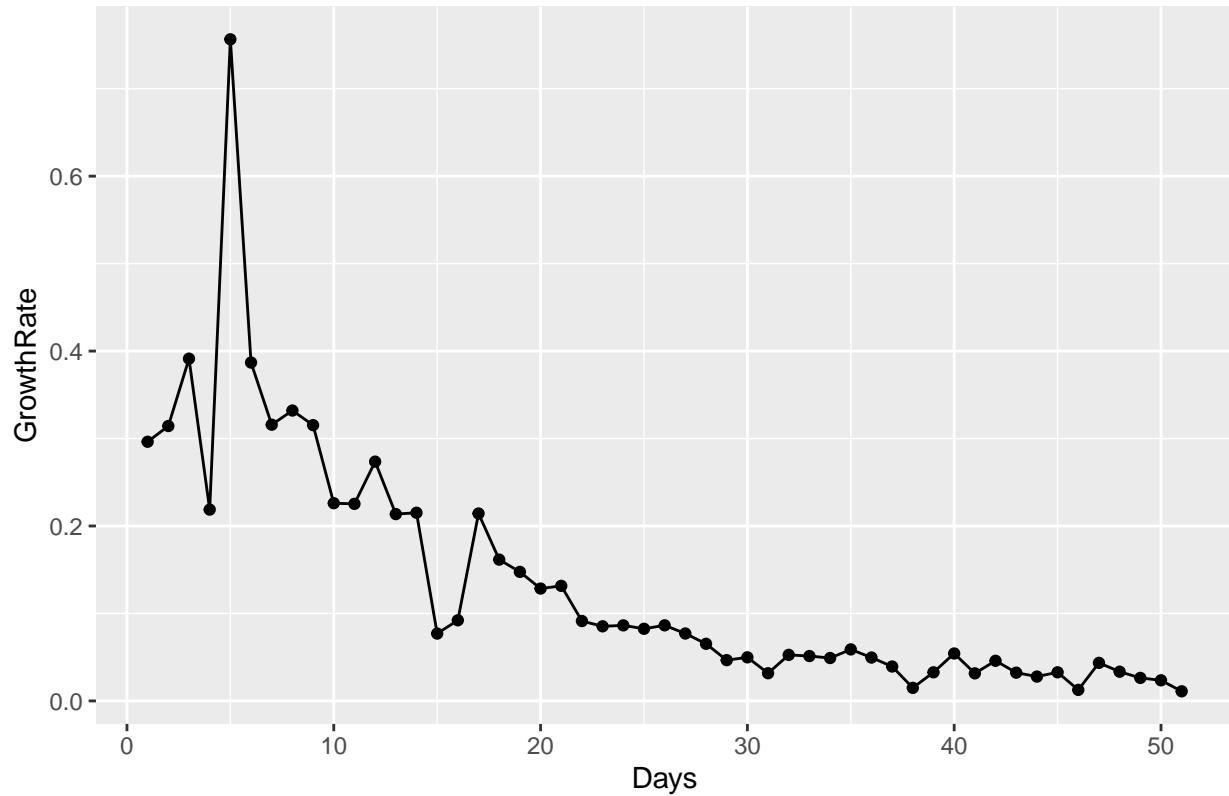
## US Corona Dashboard



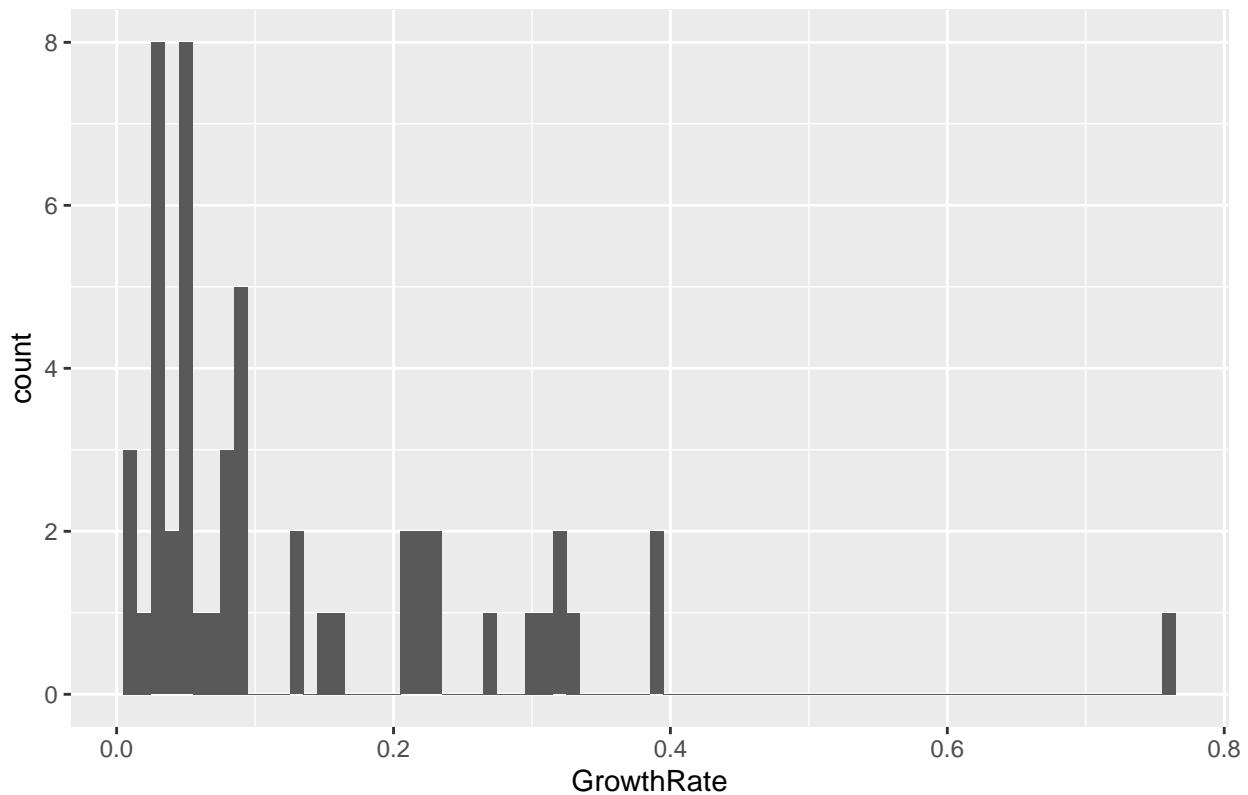
### US: Rate of change in Growth Rate



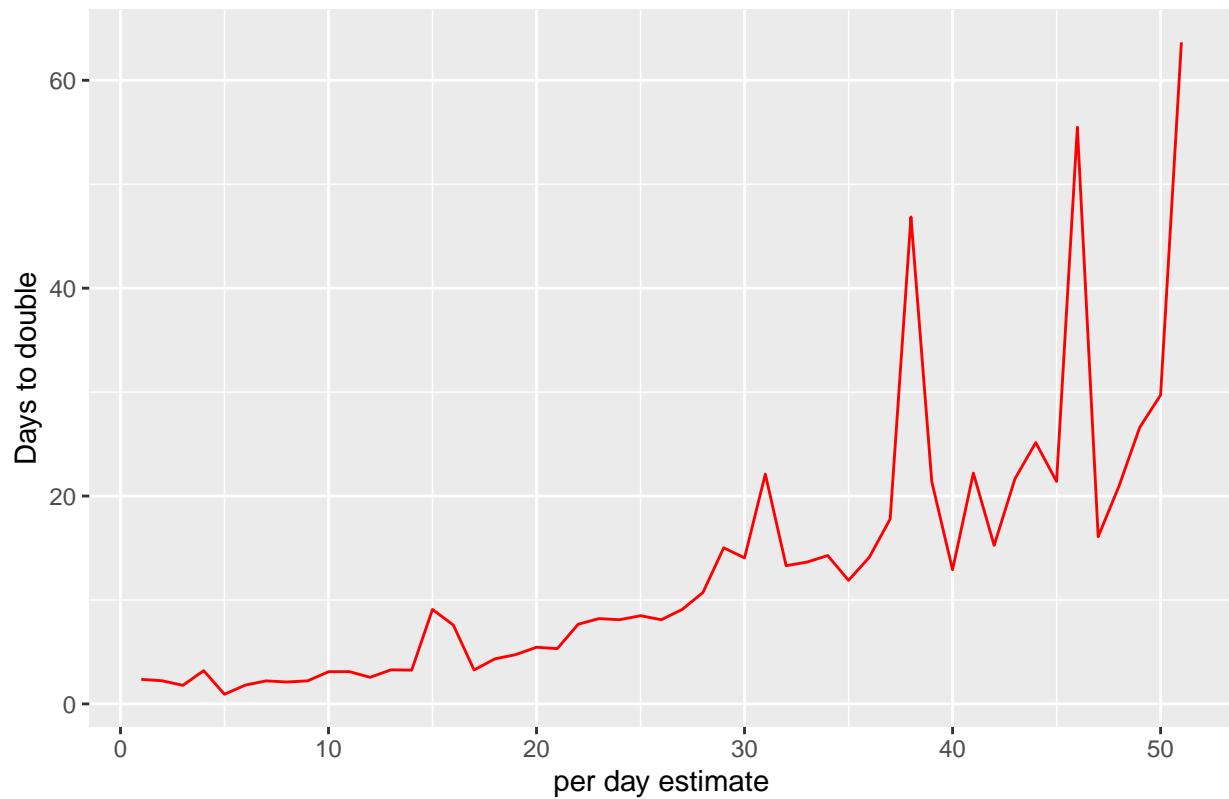
## US: Growth Rate



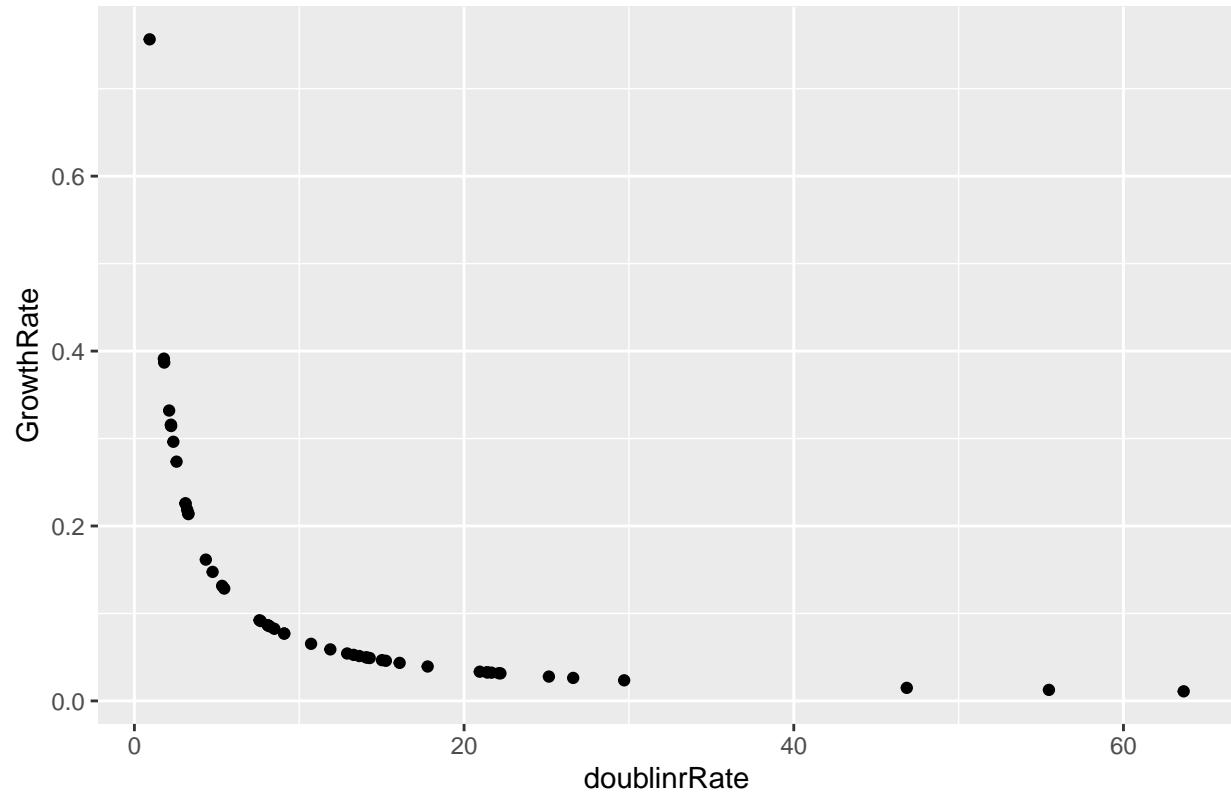
Histogram of GrowthRate



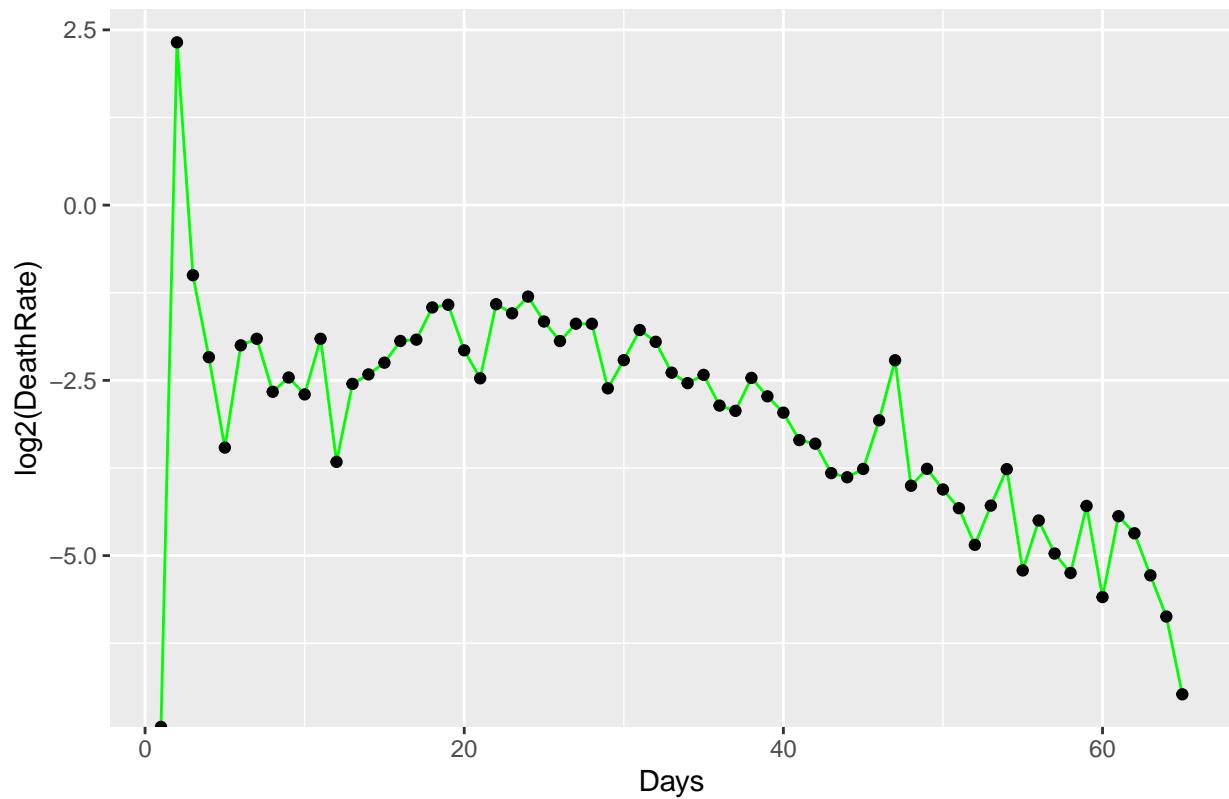
## Doubling Rate in days



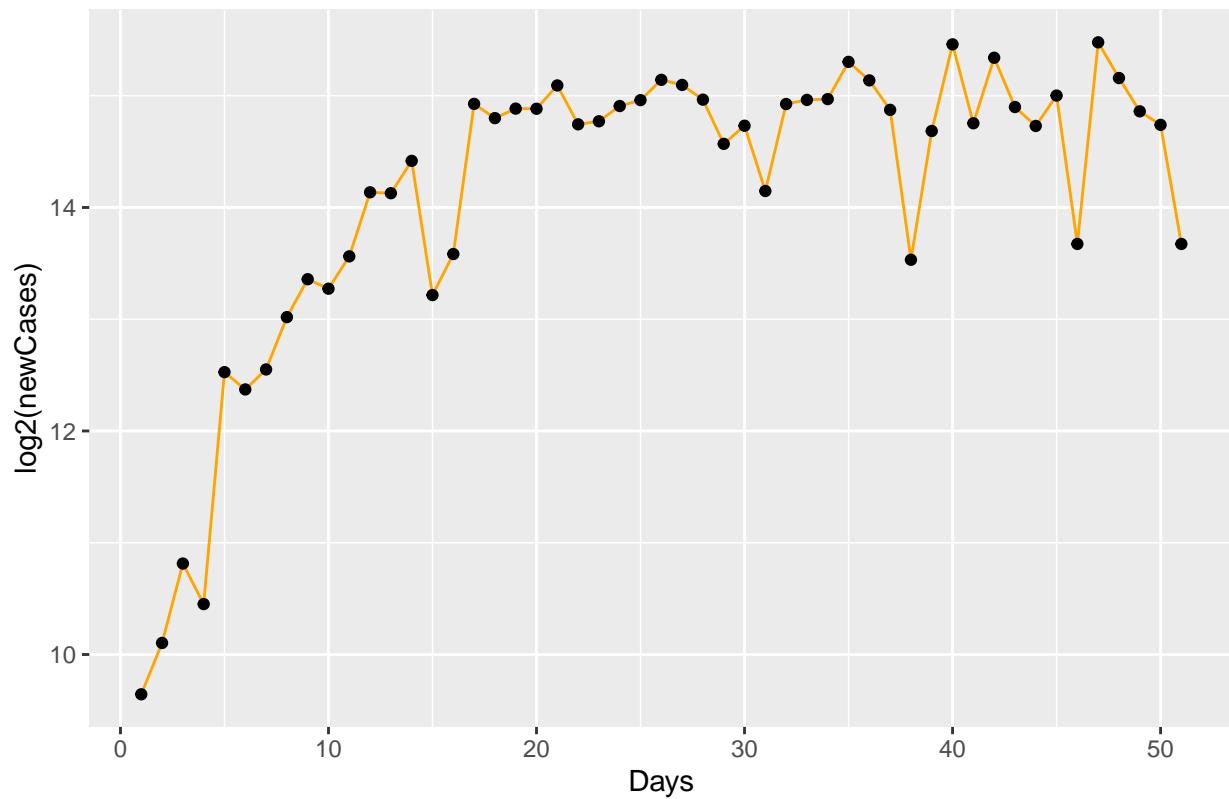
## Doubling Rate vs Growth Rate



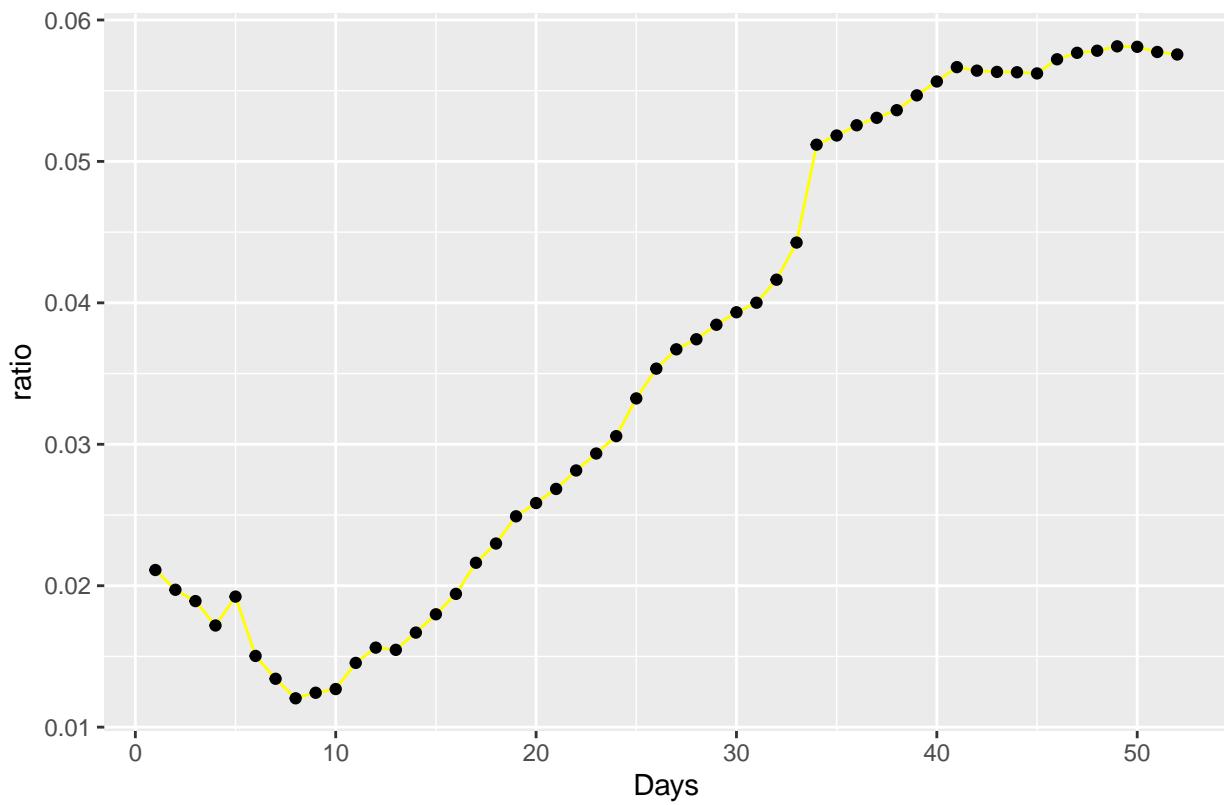
### US: Daily Death Rate



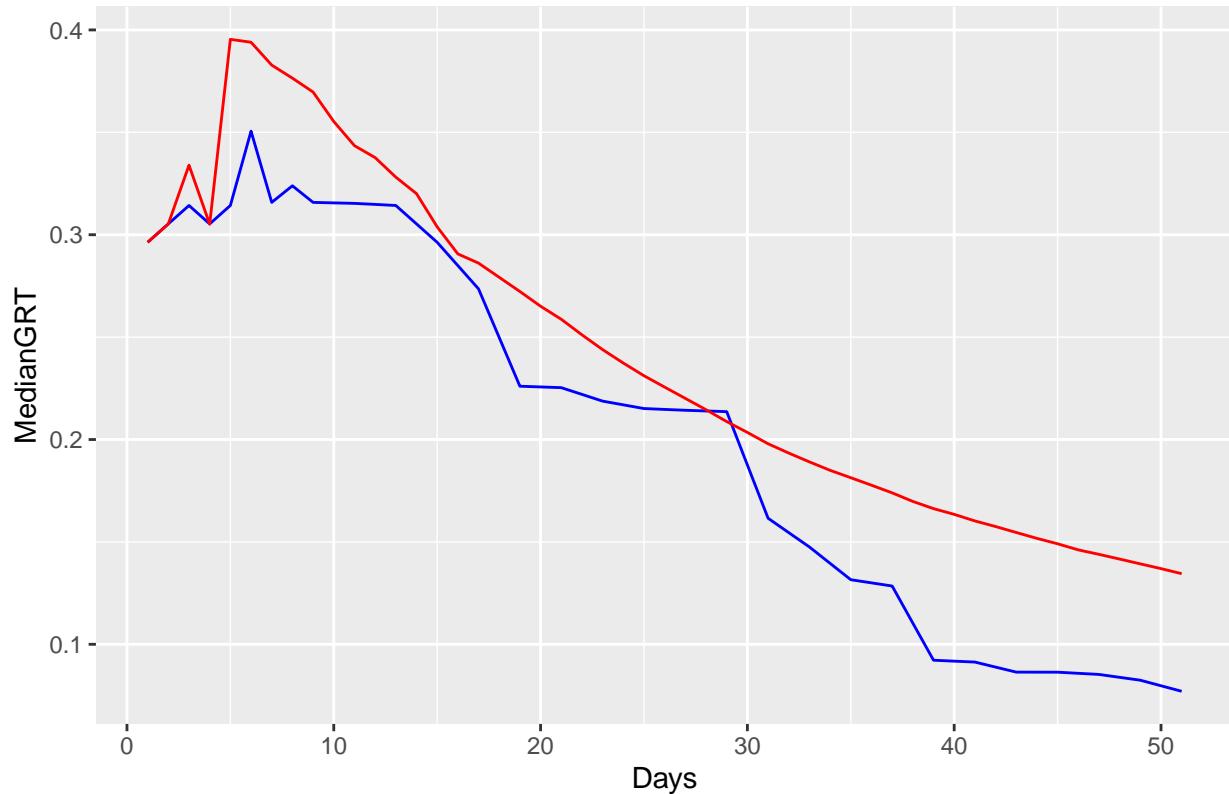
US:newCases(Orange)



### US: TotalDeaths/TotalCases



## US Median(BLUE)VsMean(RED) Growth Rate

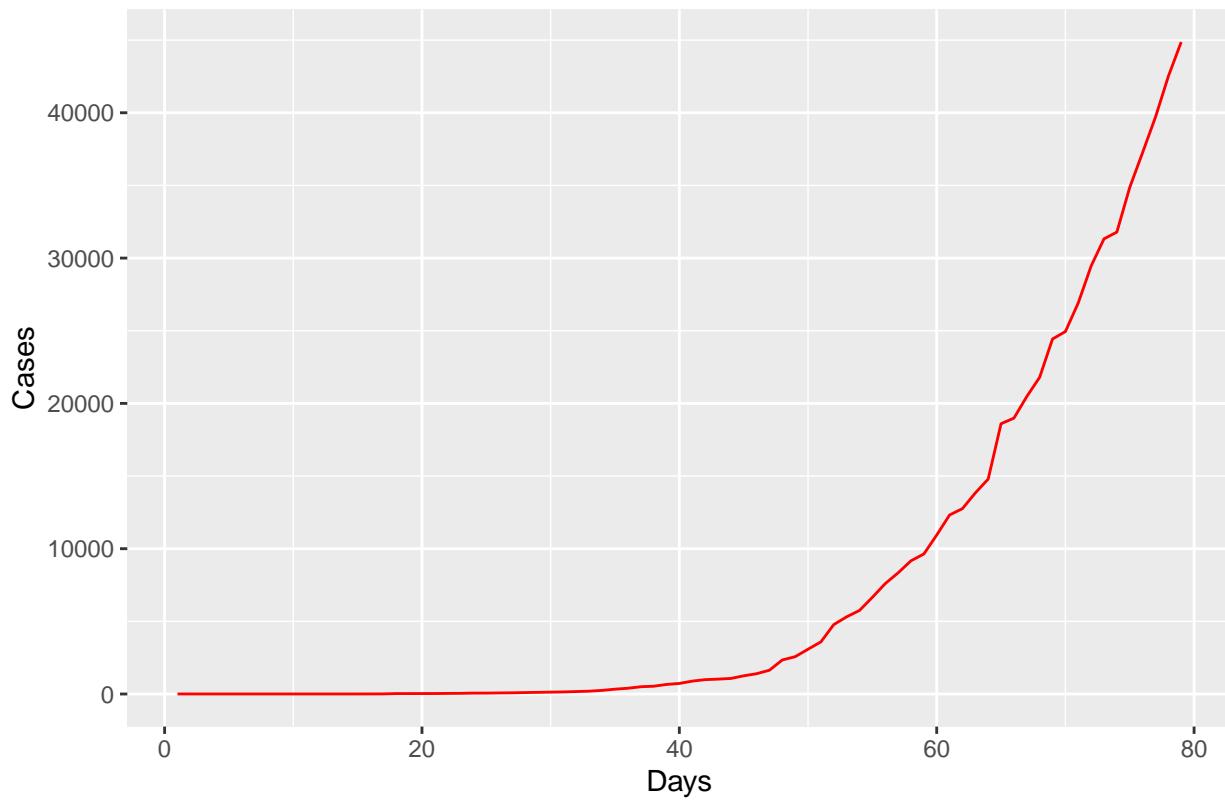


### Results:

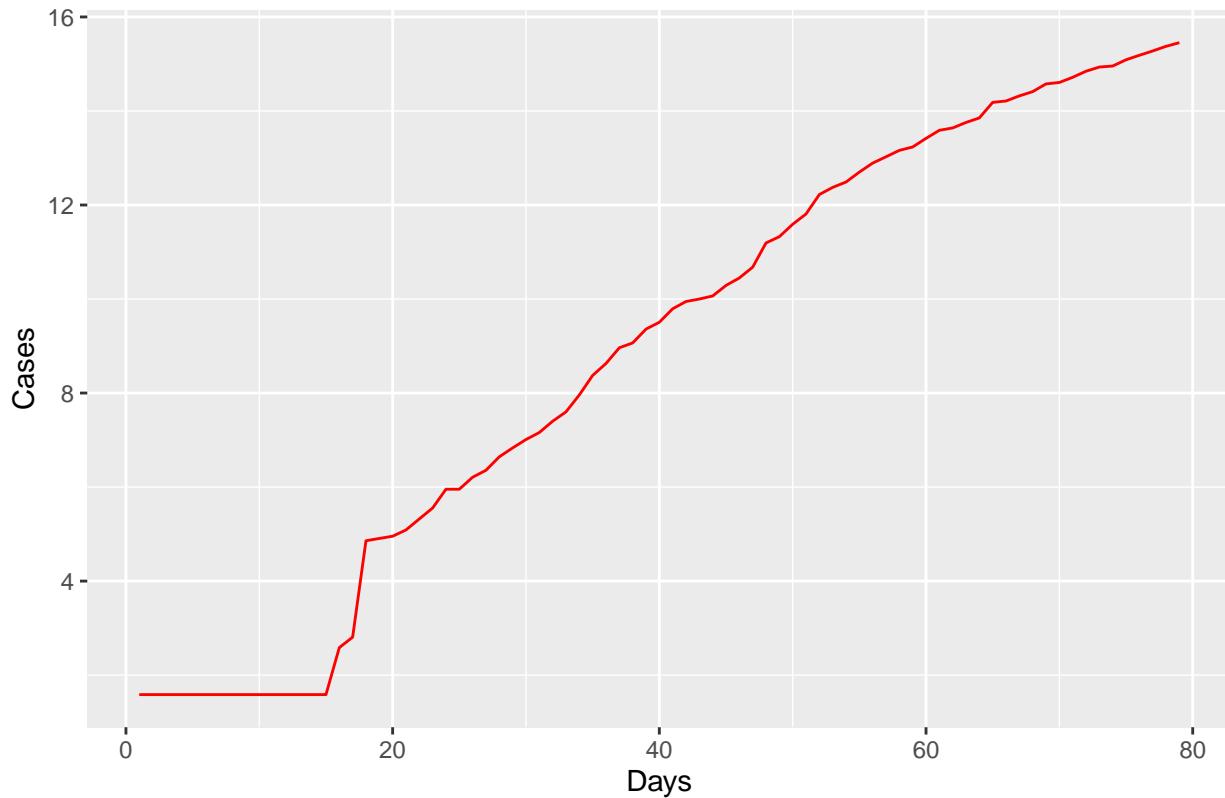
- Tomorrows predicted case number is between  $1.2143977 \times 10^6$  and  $1.3627346 \times 10^6$  cases.
- Current doubling rate is **64 days**
- Mean doubling rate, i.e number of cases doubles every **5 days**.
- Median doubling rate, i.e number of cases doubles every **9 days**.
- Latest Observed Growth Rate **1.0997187** percent.
- Mean Growth Rate: **13.4489005** percent.
- Median Growth Rate: **7.705641** percent.
- Standard deviation: +/- **14.0722281**.

## India Corona Dashboard

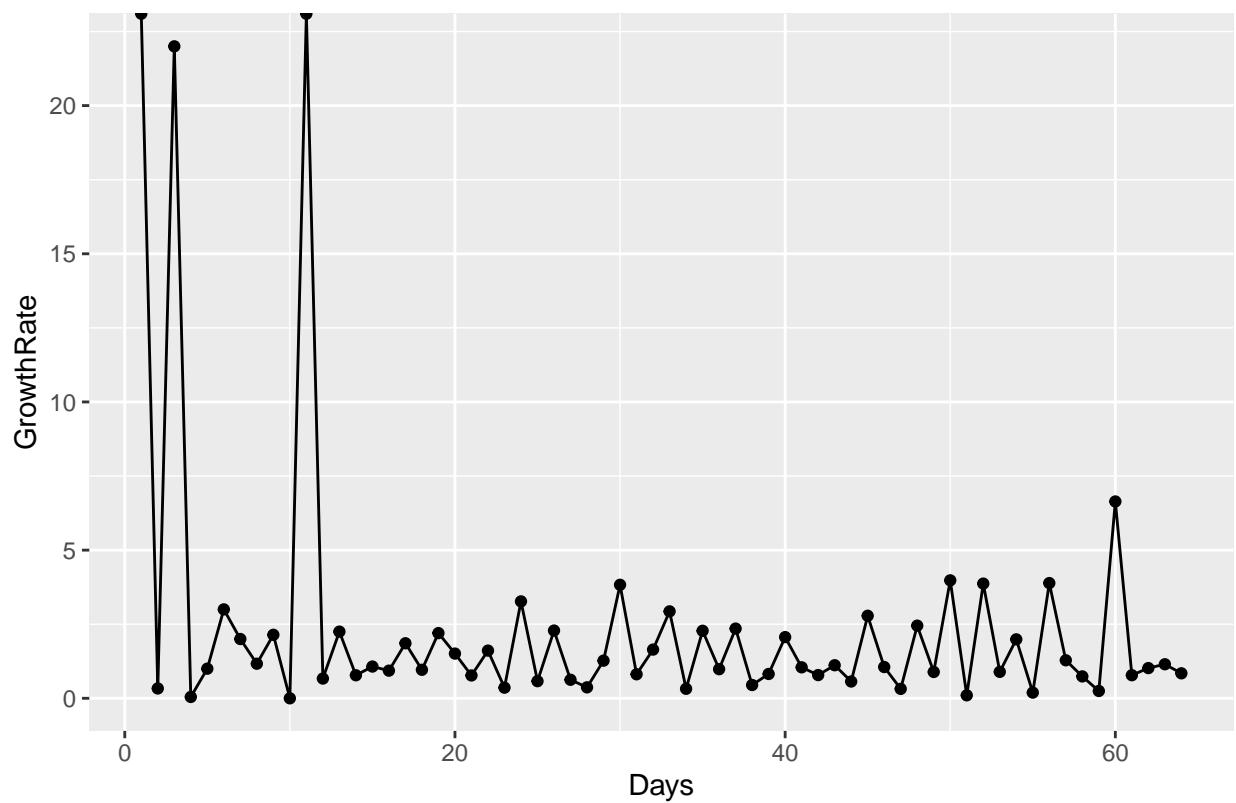
### India: Daily Cases



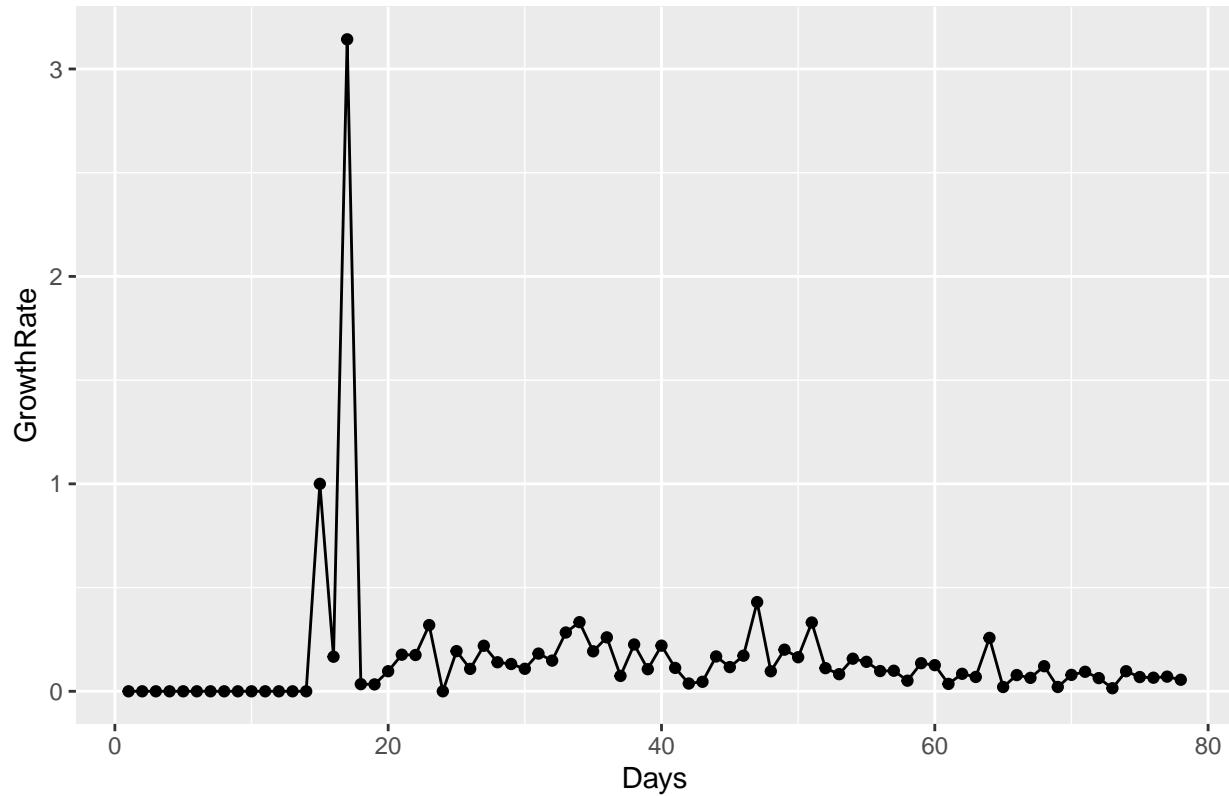
### India: Daily Cases



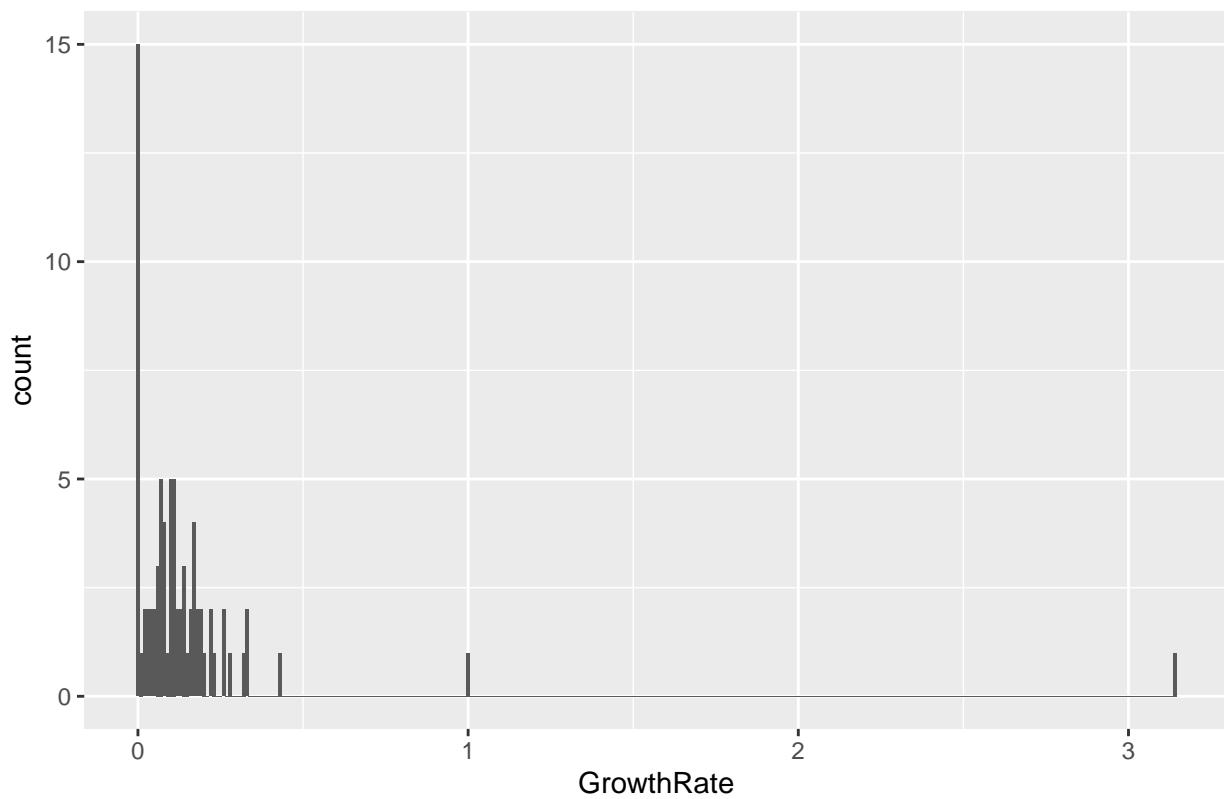
### US: Rate of change in Growth Rate



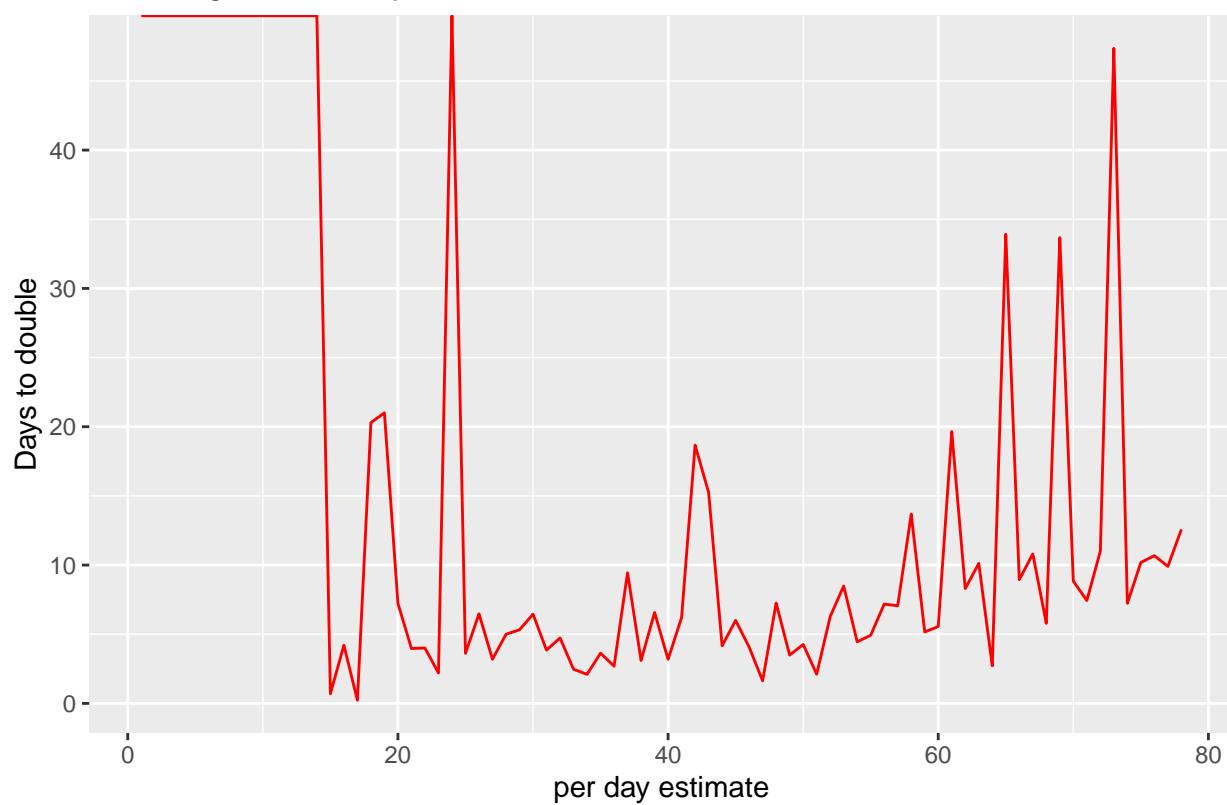
## India: Growth Rate



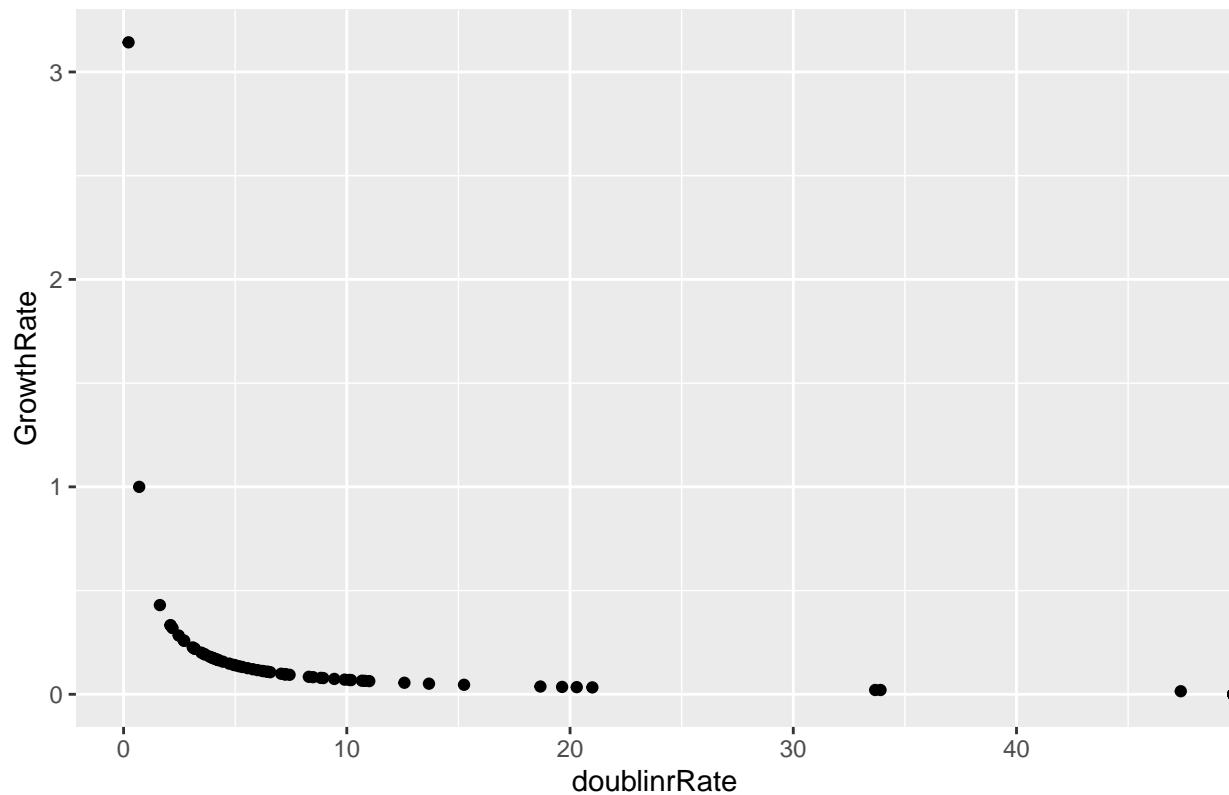
Histogram of GrowthRate



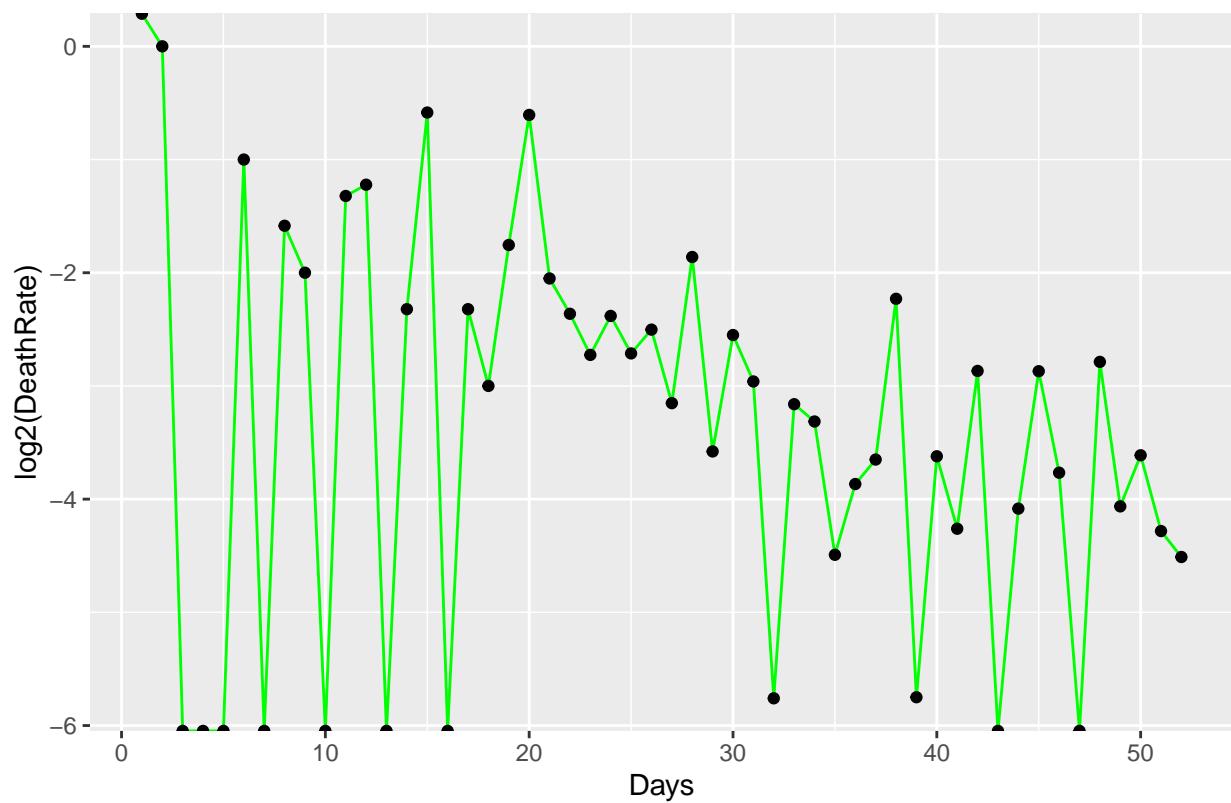
### Doubling Rate in days



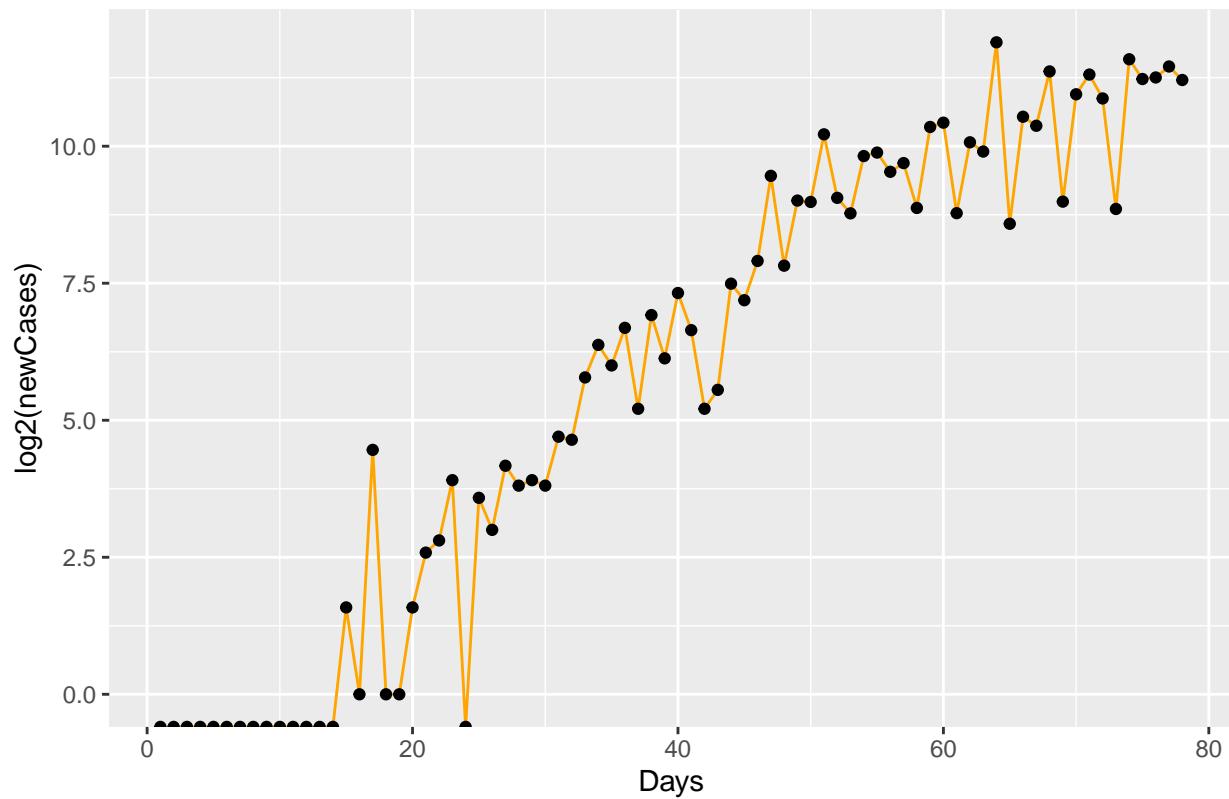
## Doubling Rate vs Growth Rate



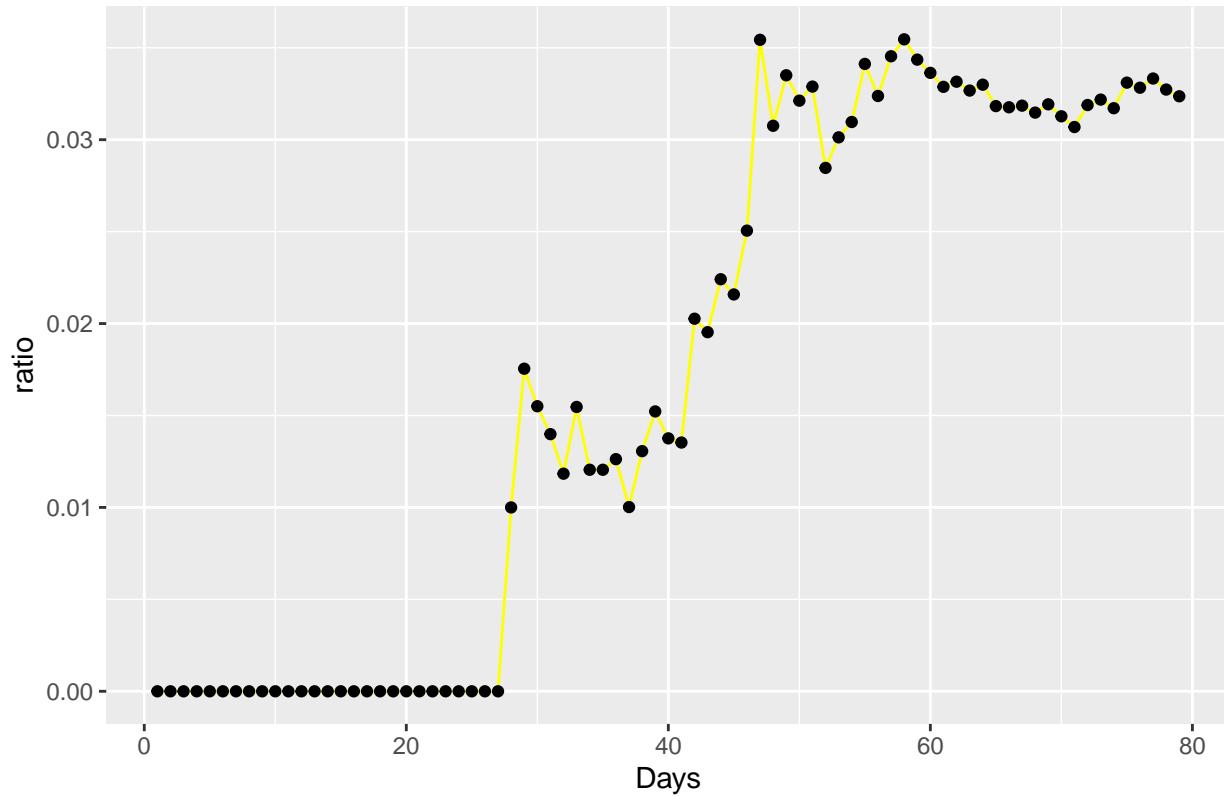
### India: Daily Death Rate



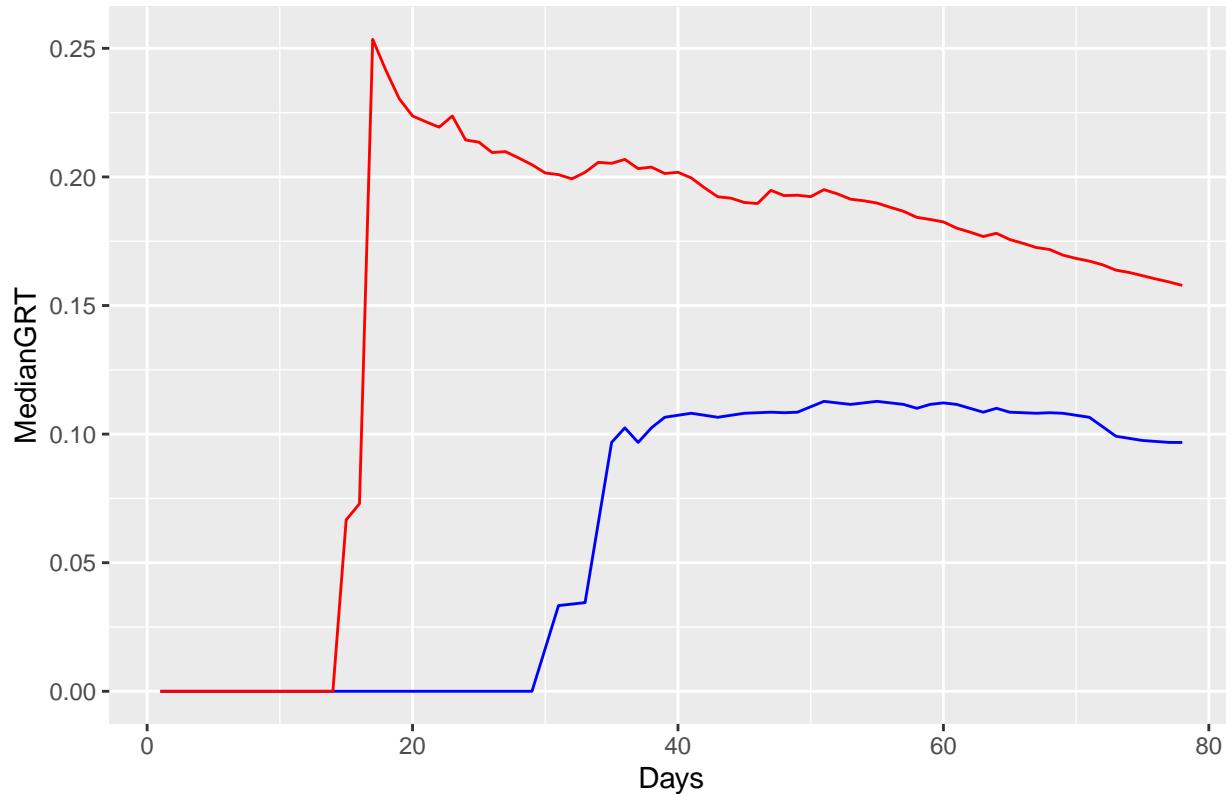
India:newCases(Orange)



### India: TotalDeaths/TotalCases



### India Median(BLUE)VsMean(RED) Growth Rate



#### Results:

- Tomorrows predicted case number is between  $4.736659 \times 10^4$  and  $5.1952336 \times 10^4$  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 **7 days**.
- Latest Observed Growth Rate **5.5640513** percent.
- Mean Growth Rate: **15.7841225** percent.
- Median Growth Rate: **9.6755927** percent.
- Standard deviation: +/- **36.8948093**.