

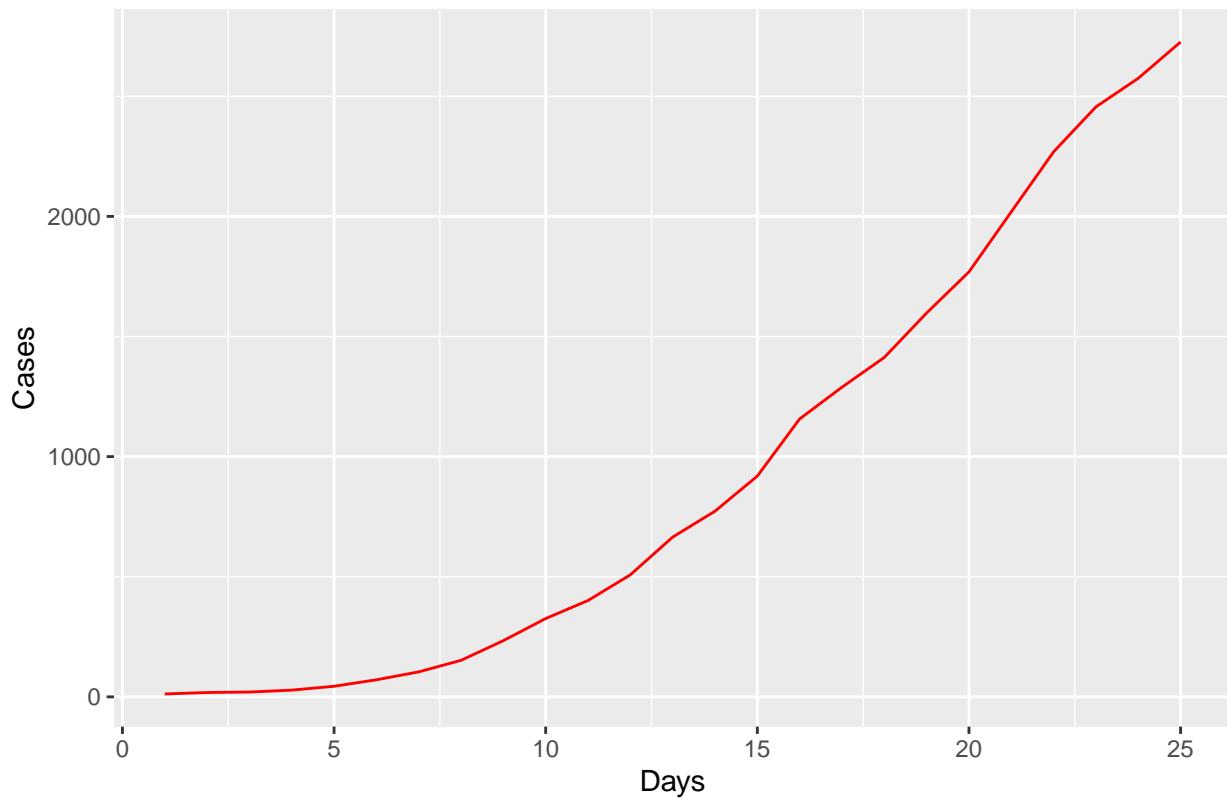
# Arizona/US/India Corona Trends- 8th April 2020 with tomorrow's prediction

Whitchurch Muthumani

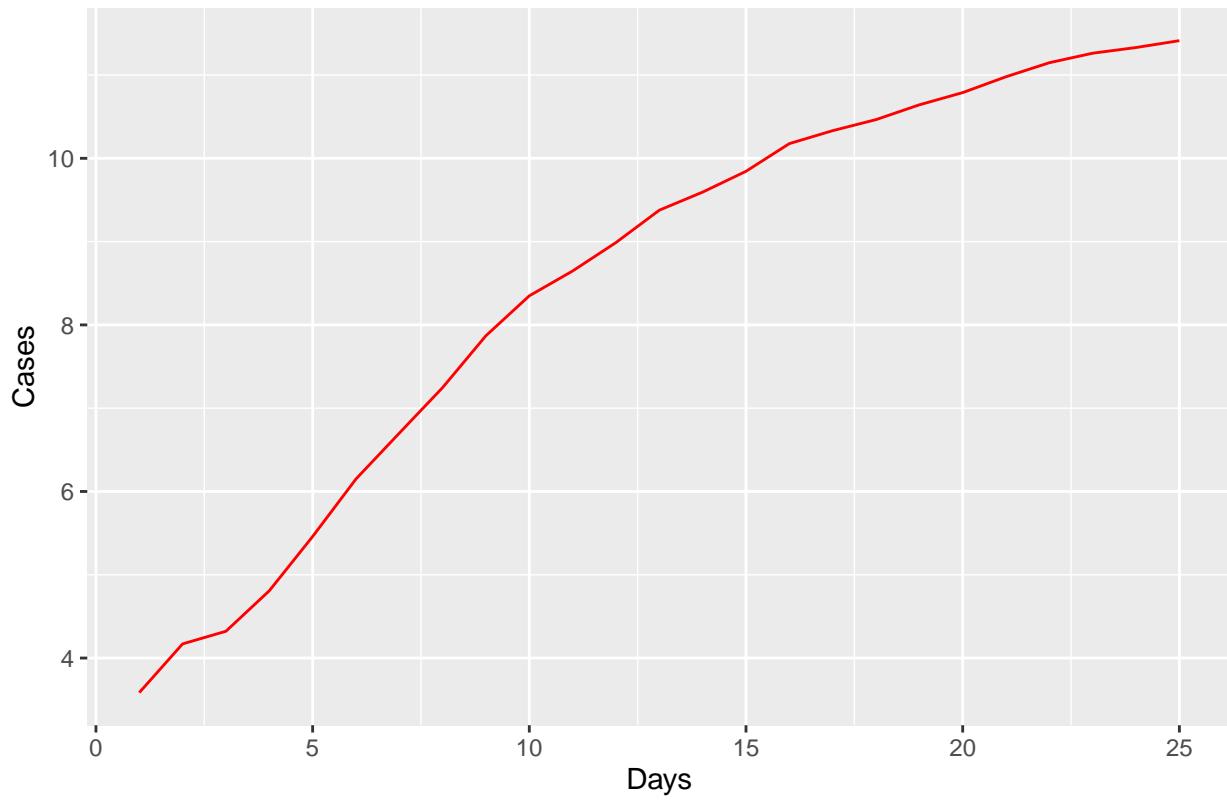
4/8/2020

## Arizona Corona Dashboard

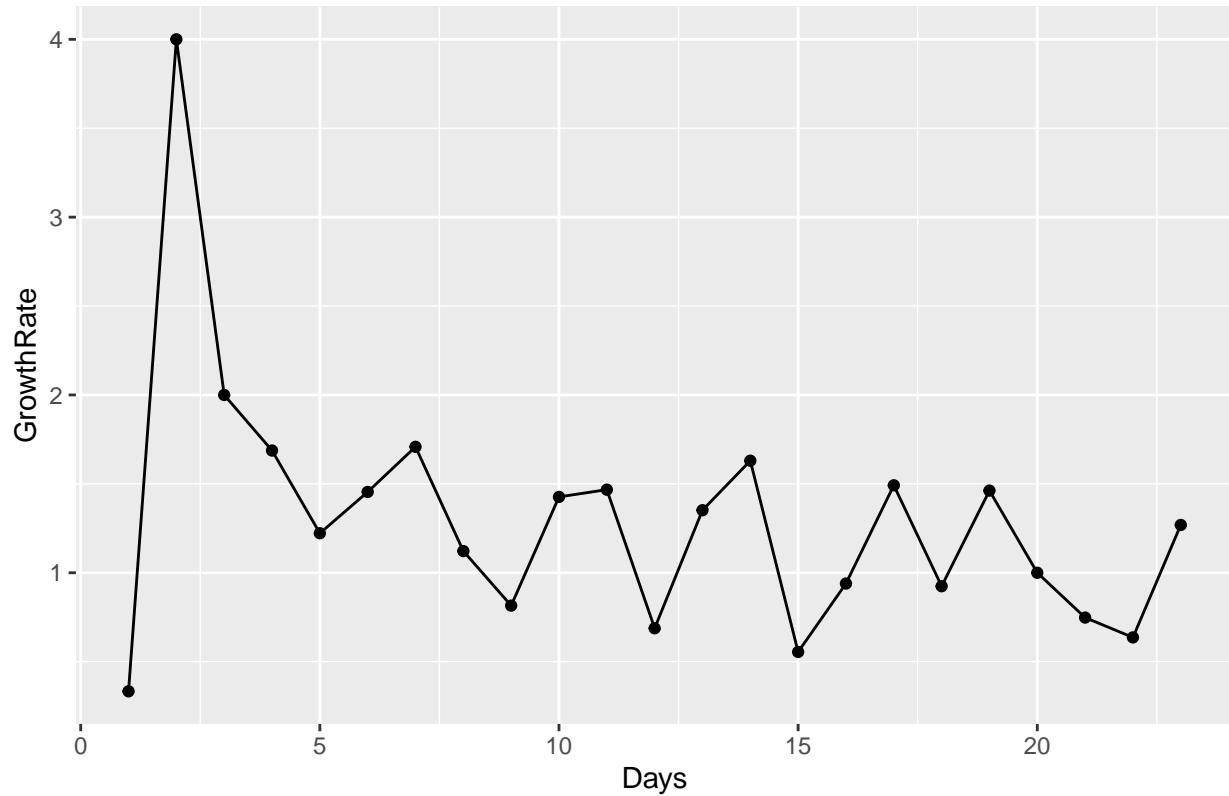
### Arizona: Daily Cases



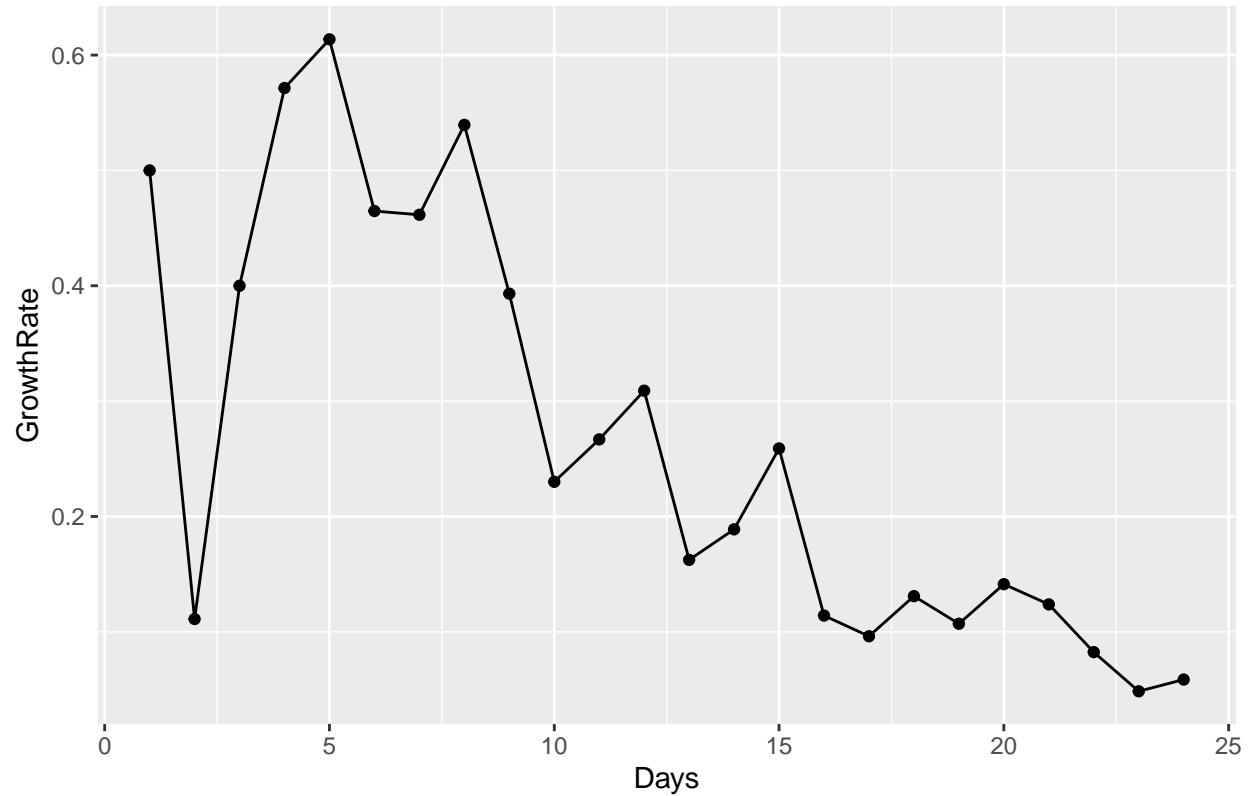
### Arizona: Daily Cases



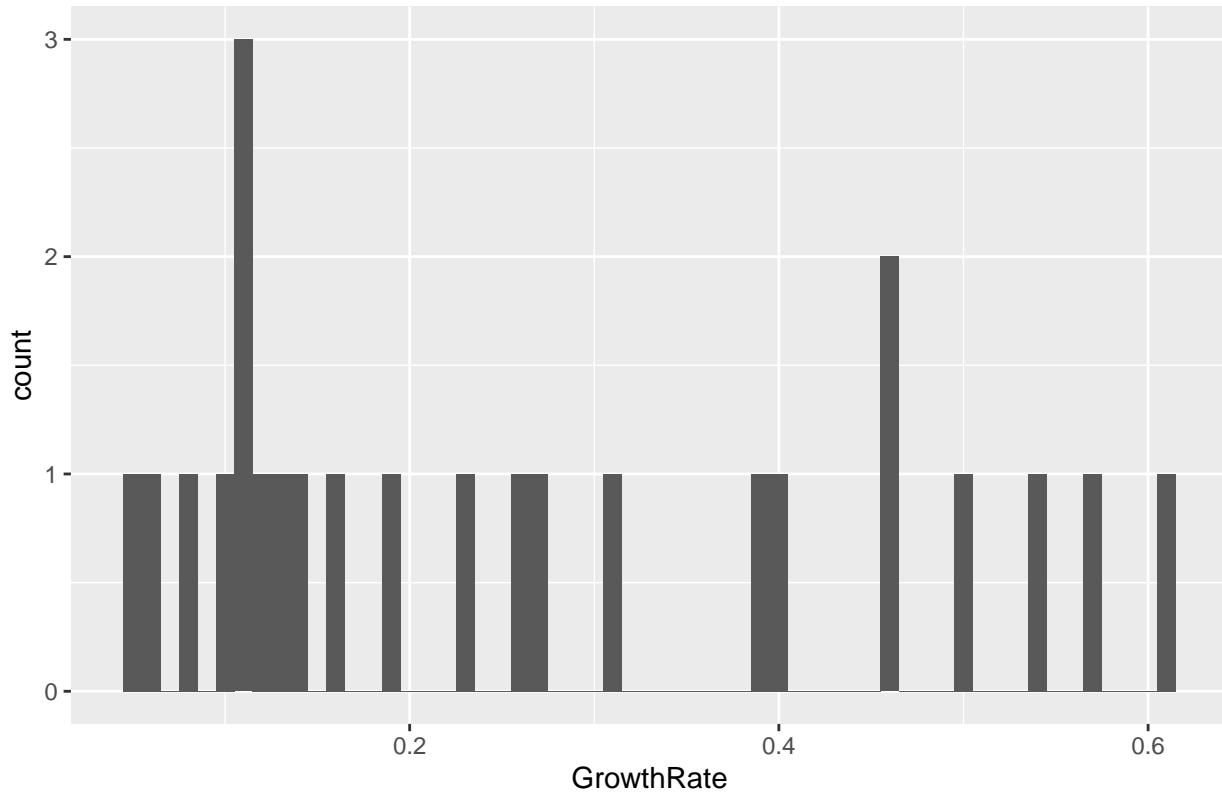
### Arizona: Rate of change in Growth Rate



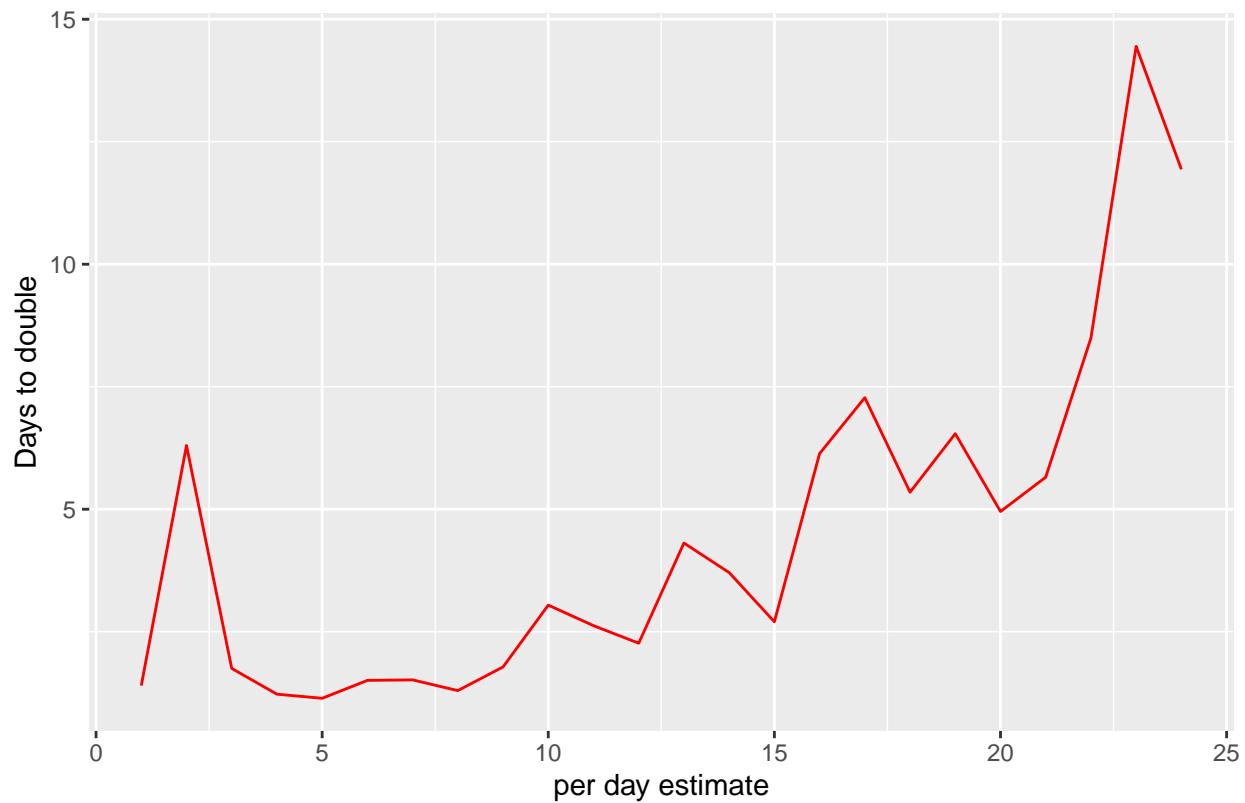
## Arizona: Growth Rate



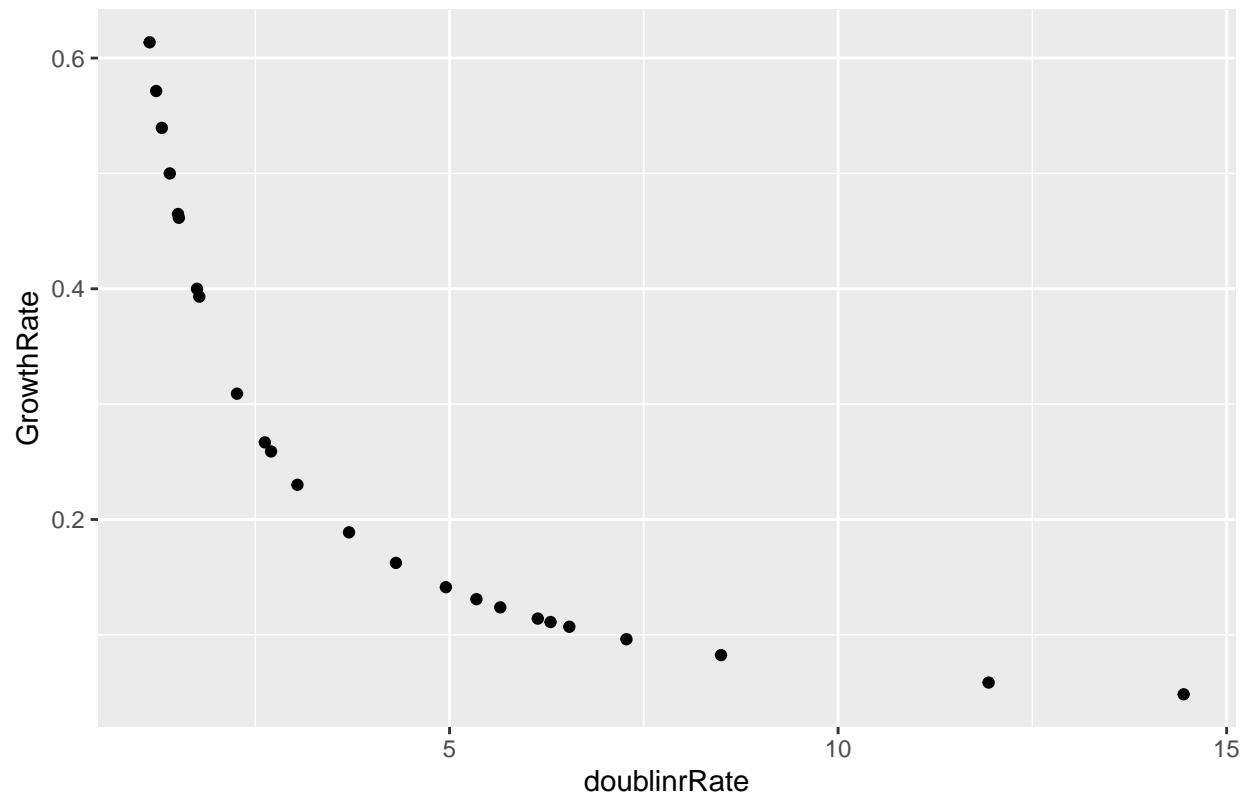
Histogram of GrowthRate



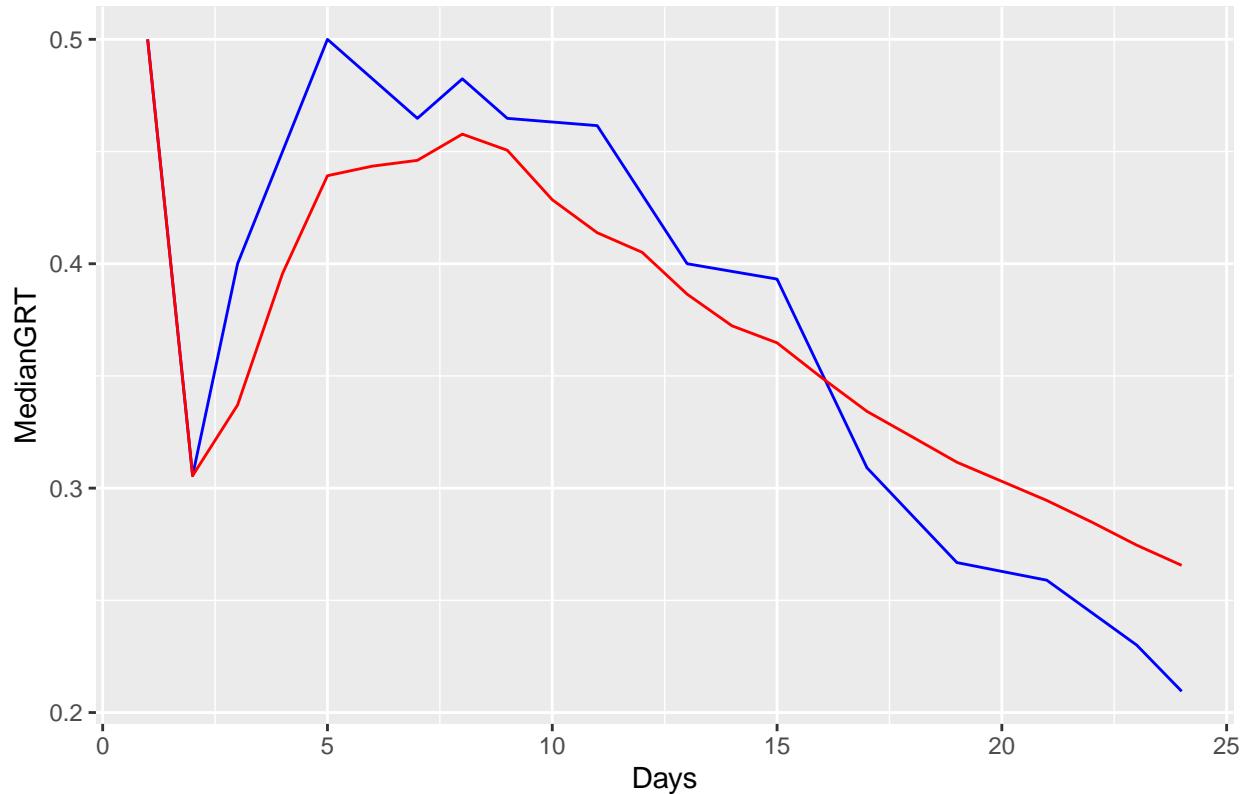
### Doubling Rate in days



## Doubling Rate vs Growth Rate



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

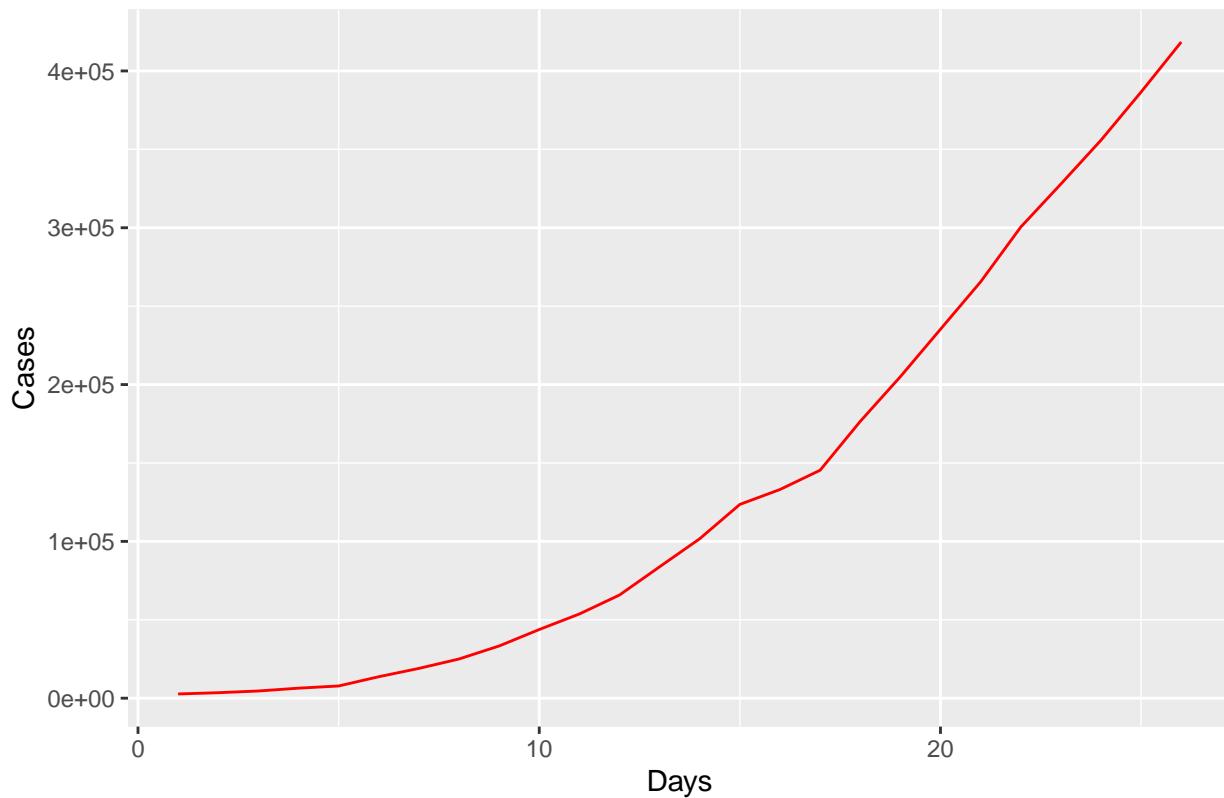


### Results:

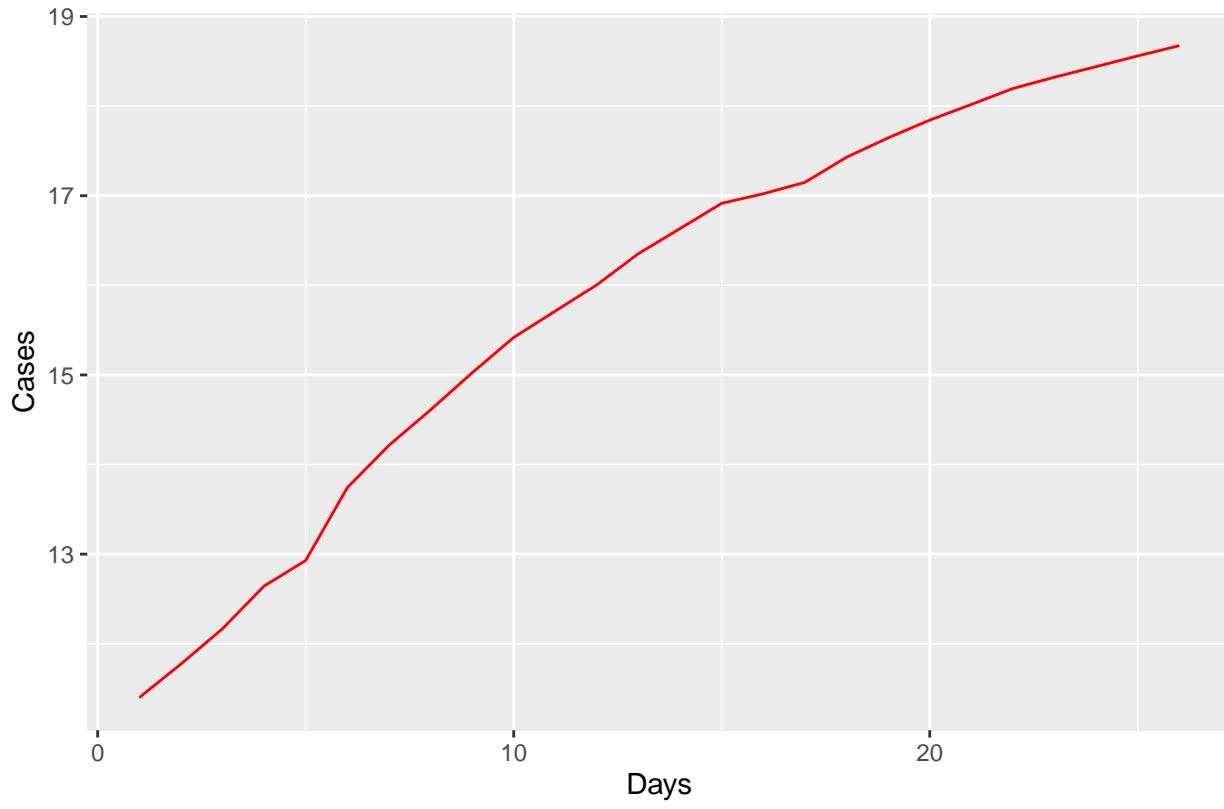
- Tomorrows predicted case number is between **2885.8547573** and **3450.0056291** cases.
- Current doubling rate is **12 days**
- Mean doubling rate, i.e number of cases doubles every **3 days**.
- Median doubling rate, i.e number of cases doubles every **3 days**.
- Latest Observed Growth Rate **5.8640777** percent.
- Mean Growth Rate: **26.5592674** percent.
- Median Growth Rate: **20.9467932** percent.
- Standard deviation: +/- **18.1136652**.

## US Corona Dashboard

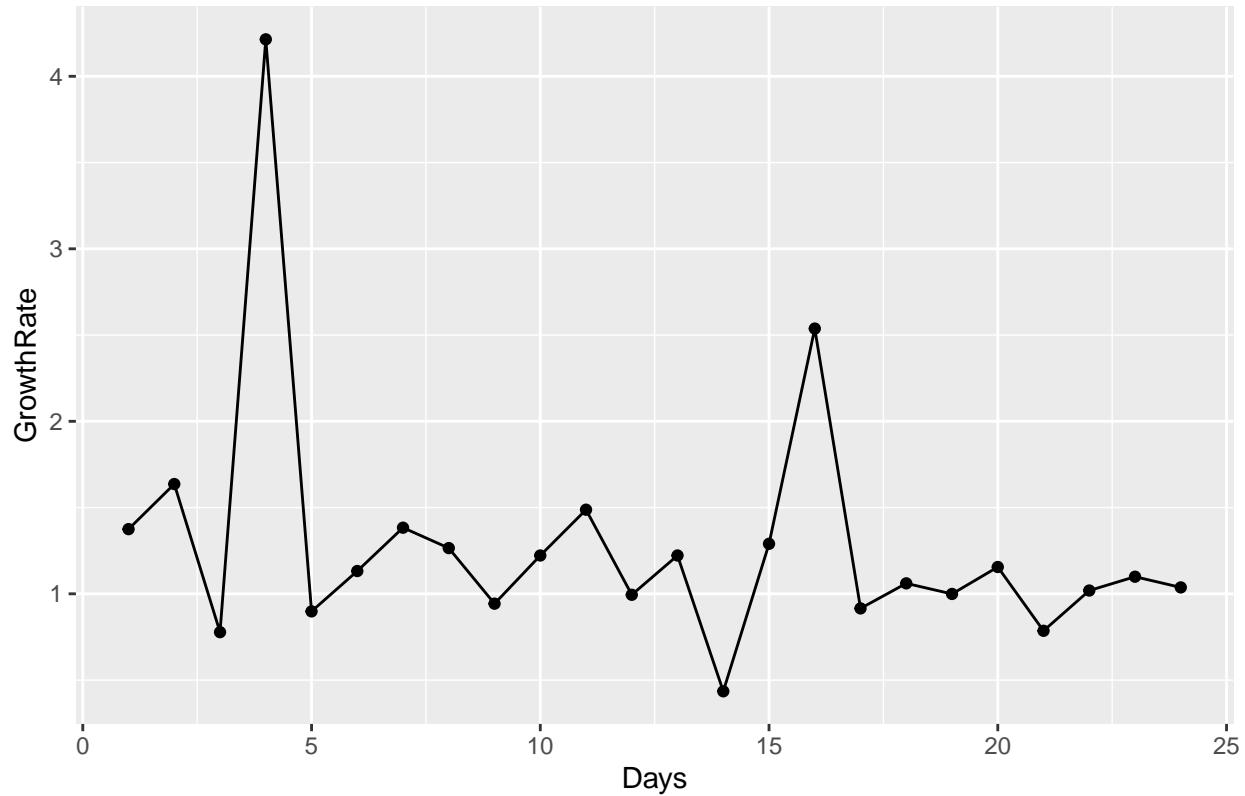
US: Daily Cases



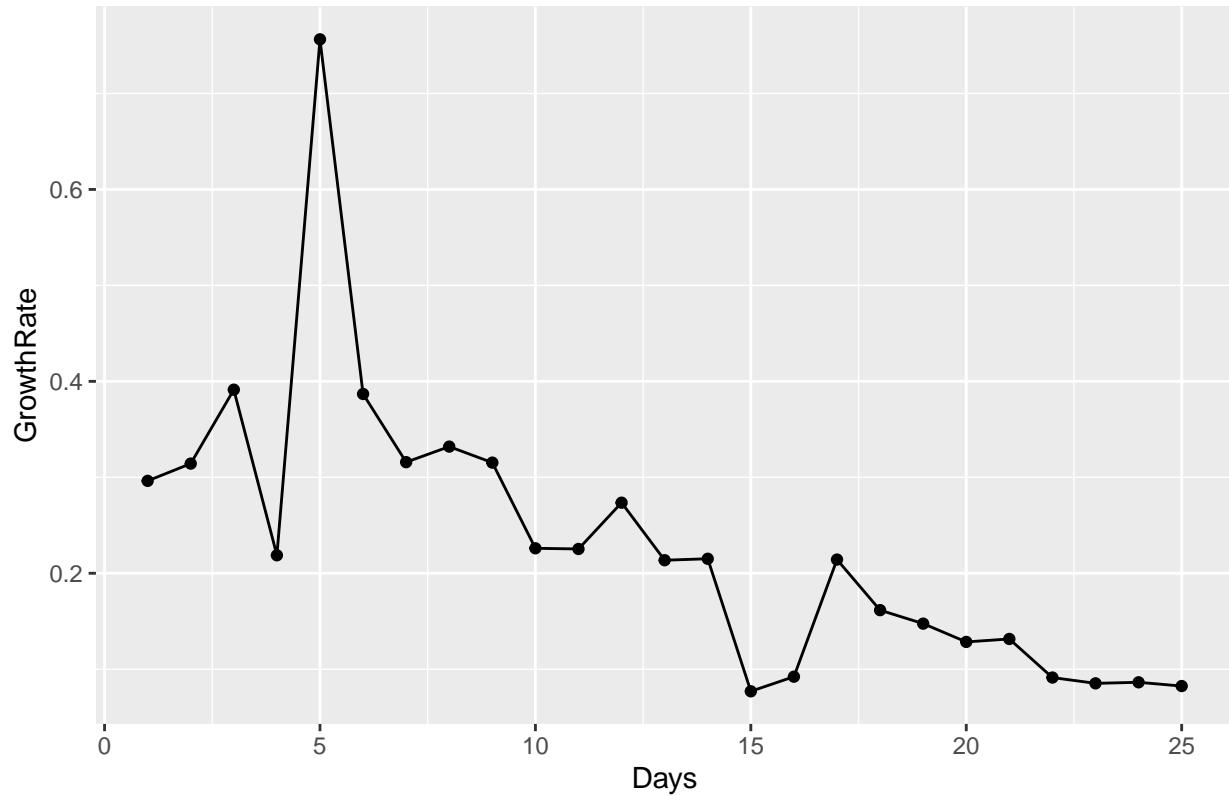
US: Daily Cases



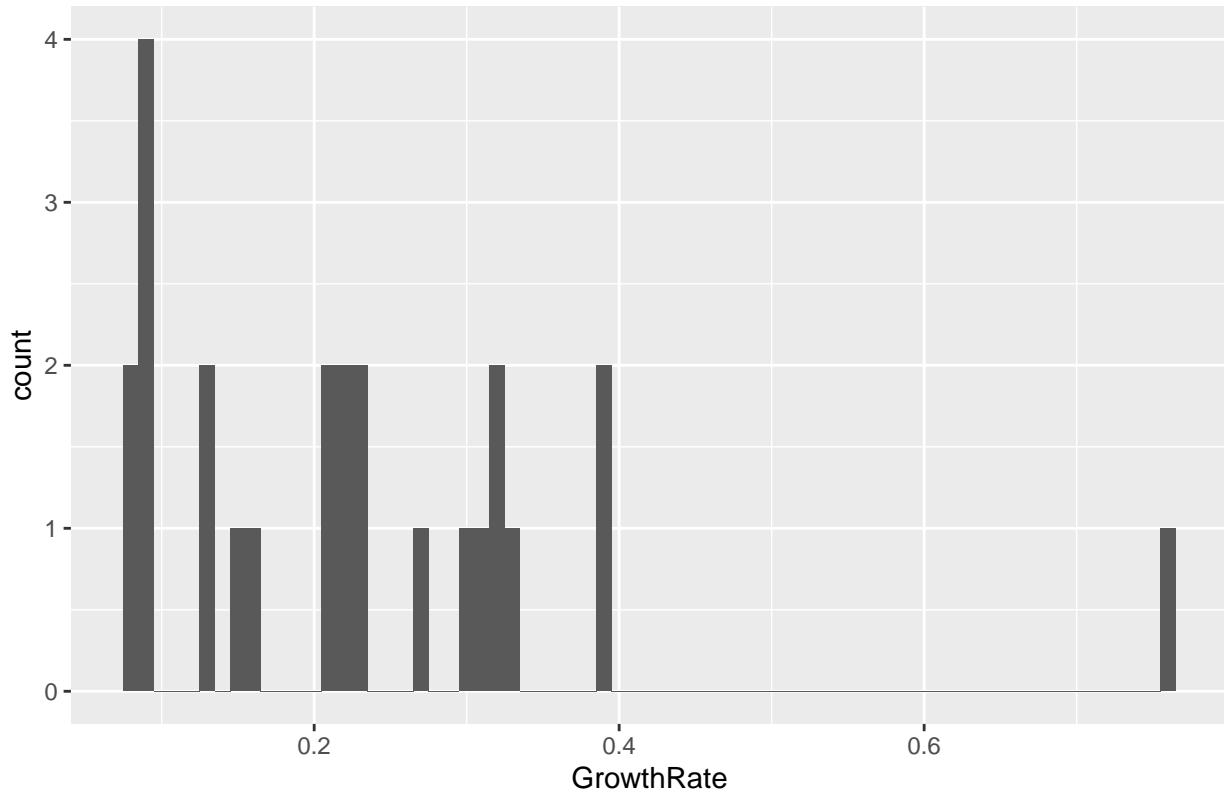
### US: Rate of change in Growth Rate



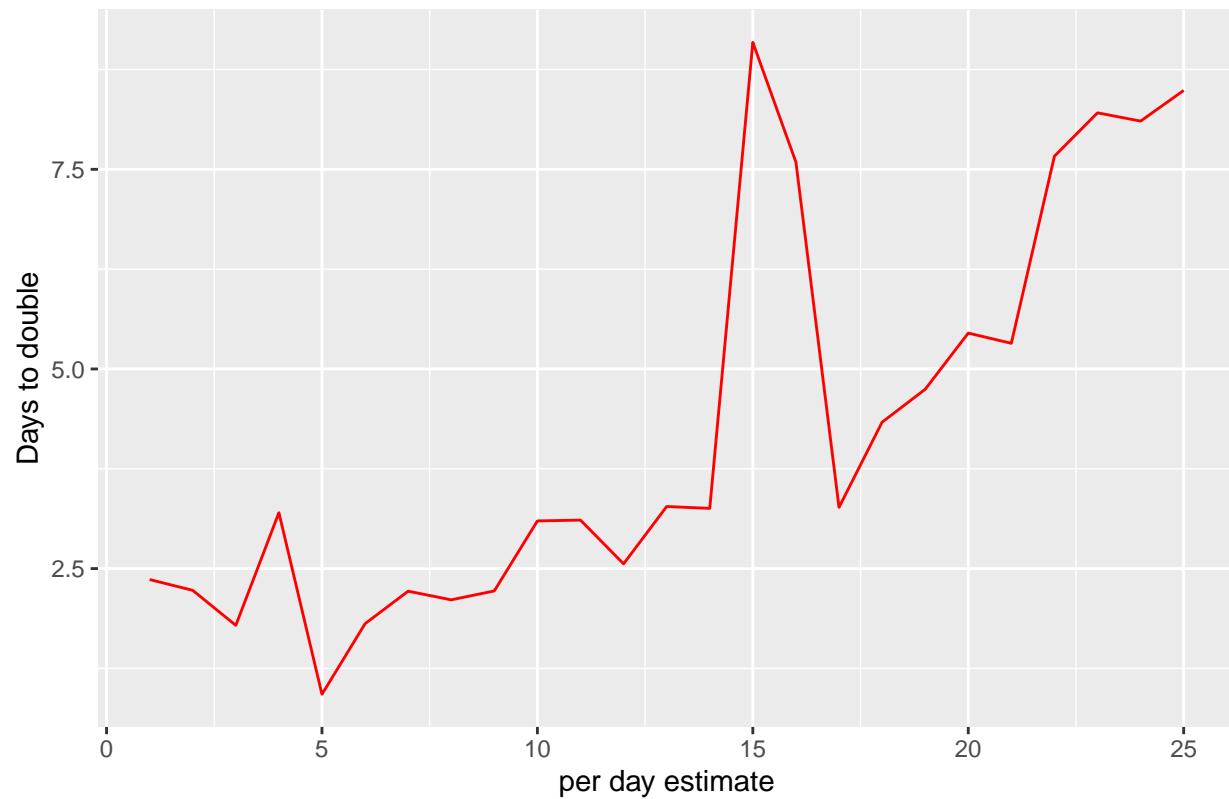
## US: Growth Rate



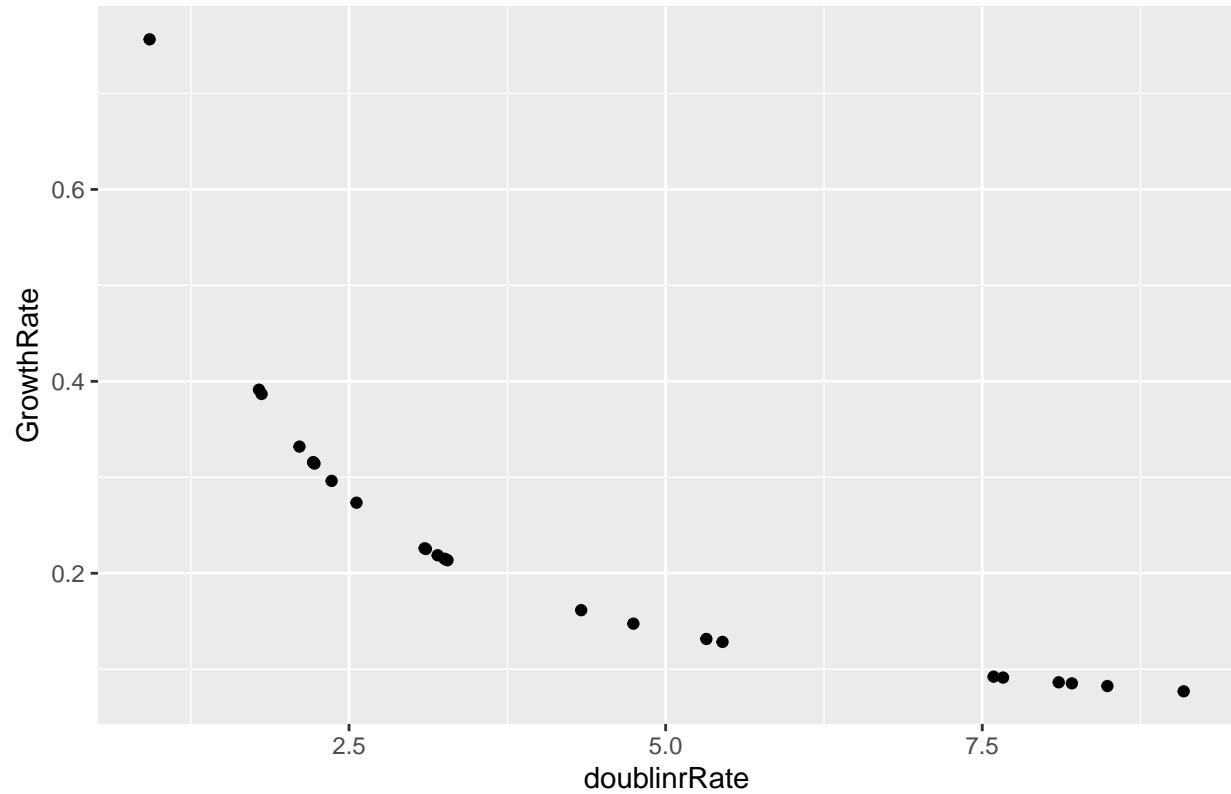
Histogram of GrowthRate



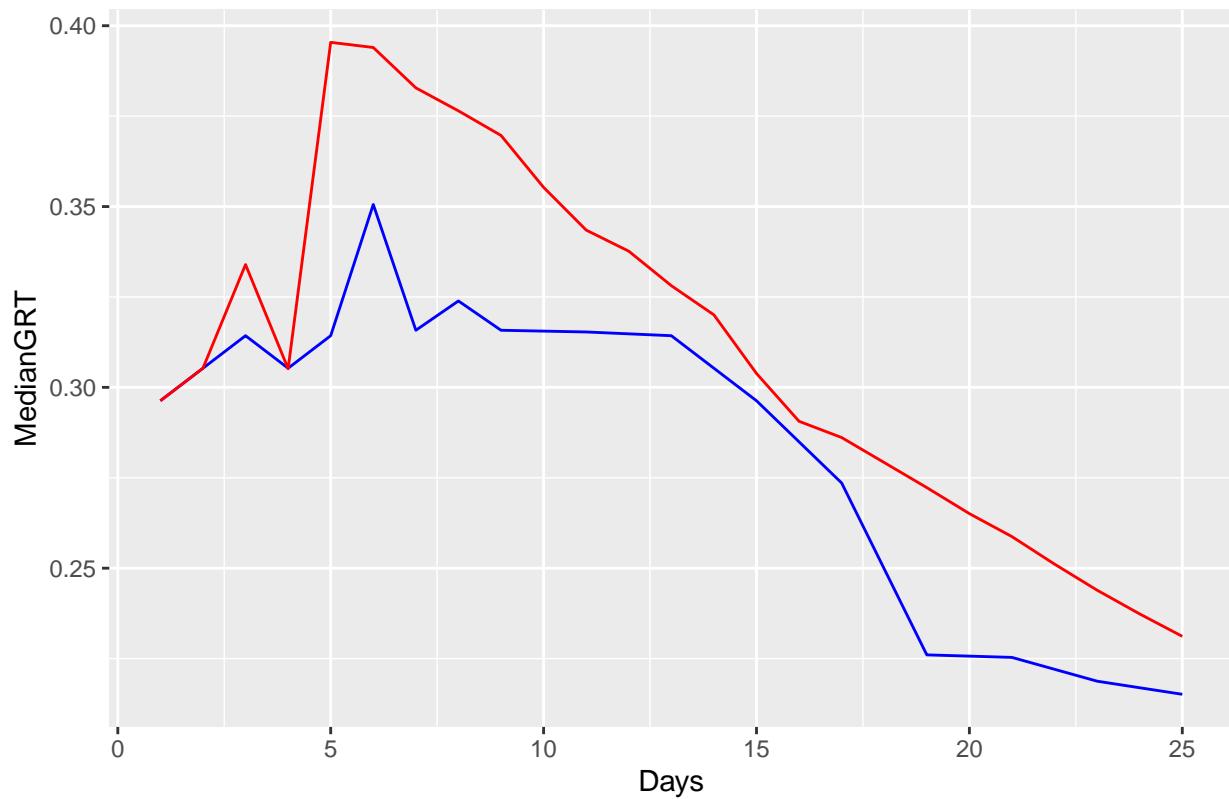
## Doubling Rate in days



## Doubling Rate vs Growth Rate



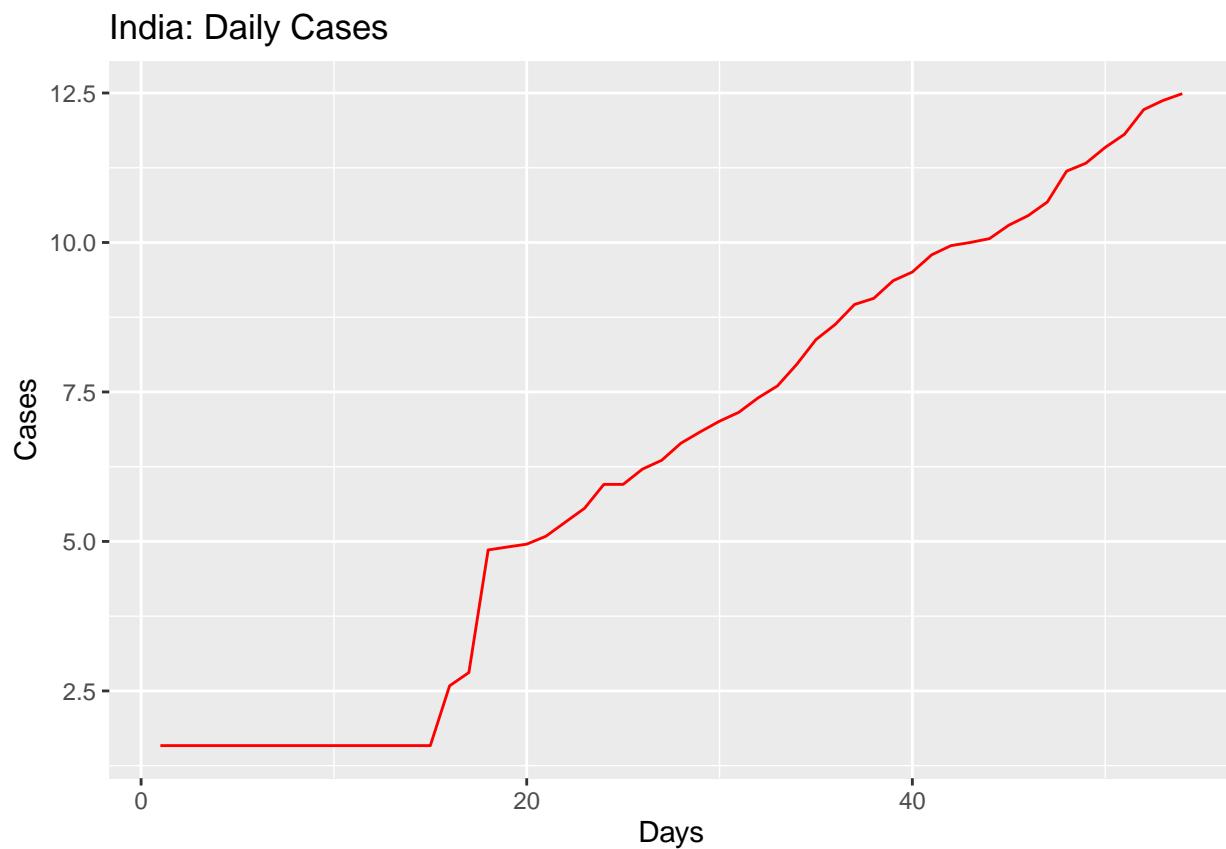
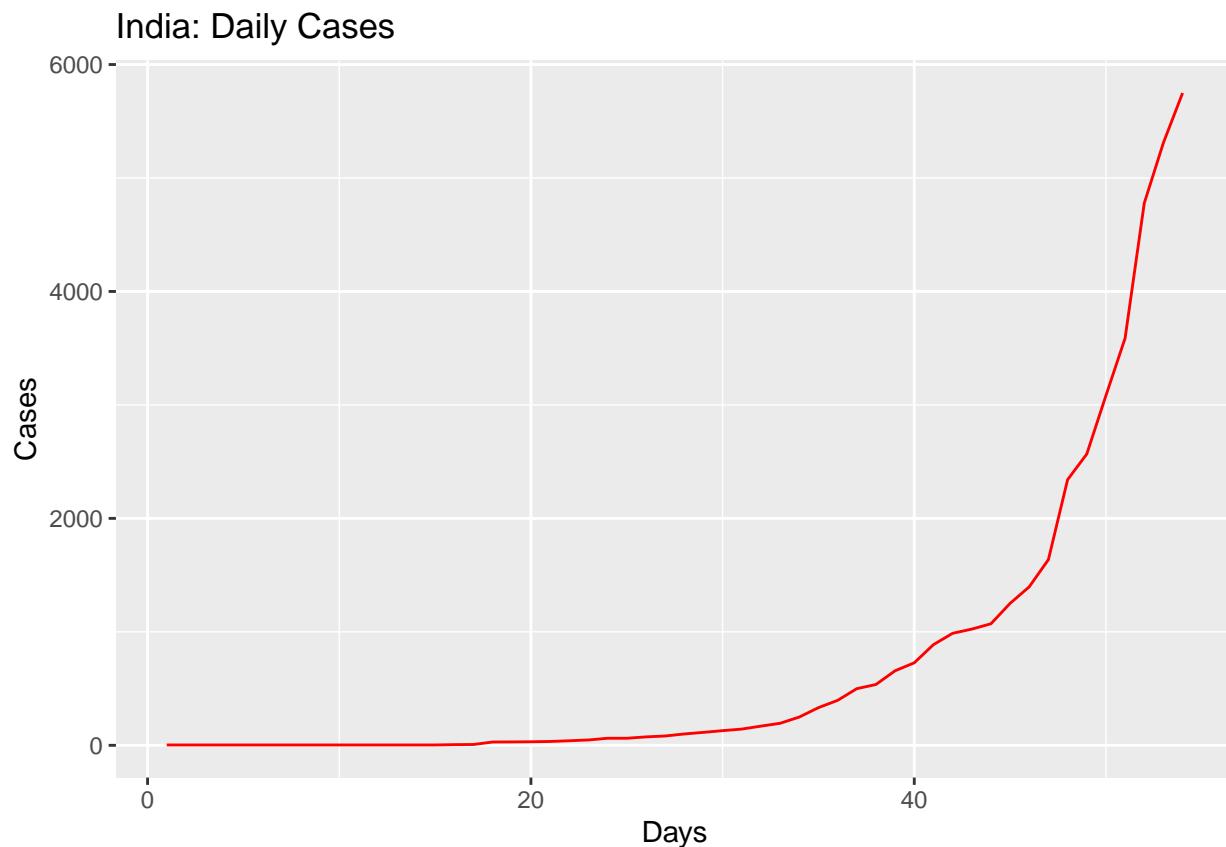
### US Median(BLUE)VsMean(RED) Growth Rate



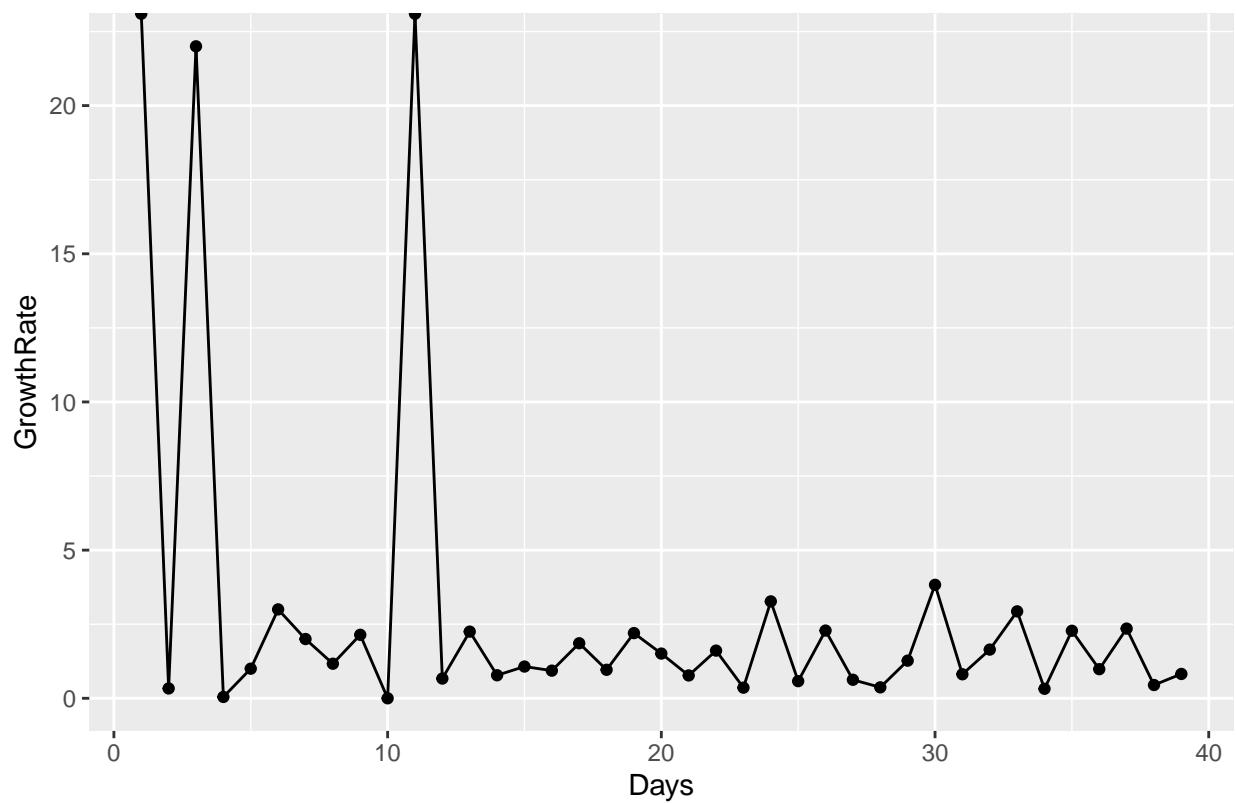
#### Results:

- Tomorrows predicted case number is between  $4.529601 \times 10^5$  and  $5.1517513 \times 10^5$  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 **8.246868** percent.
- Mean Growth Rate: **23.1148053** percent.
- Median Growth Rate: **21.5122911** percent.
- Standard deviation: +/- **14.7688219**.

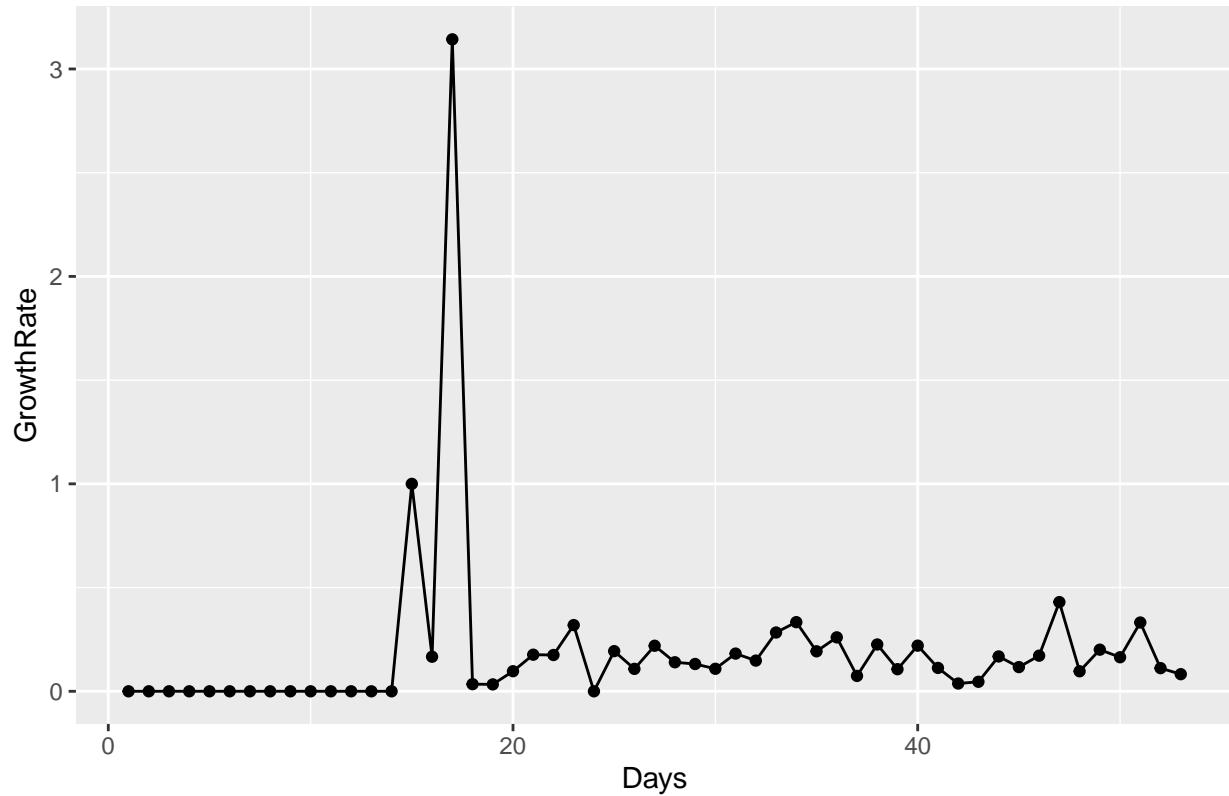
## India Corona Dashboard



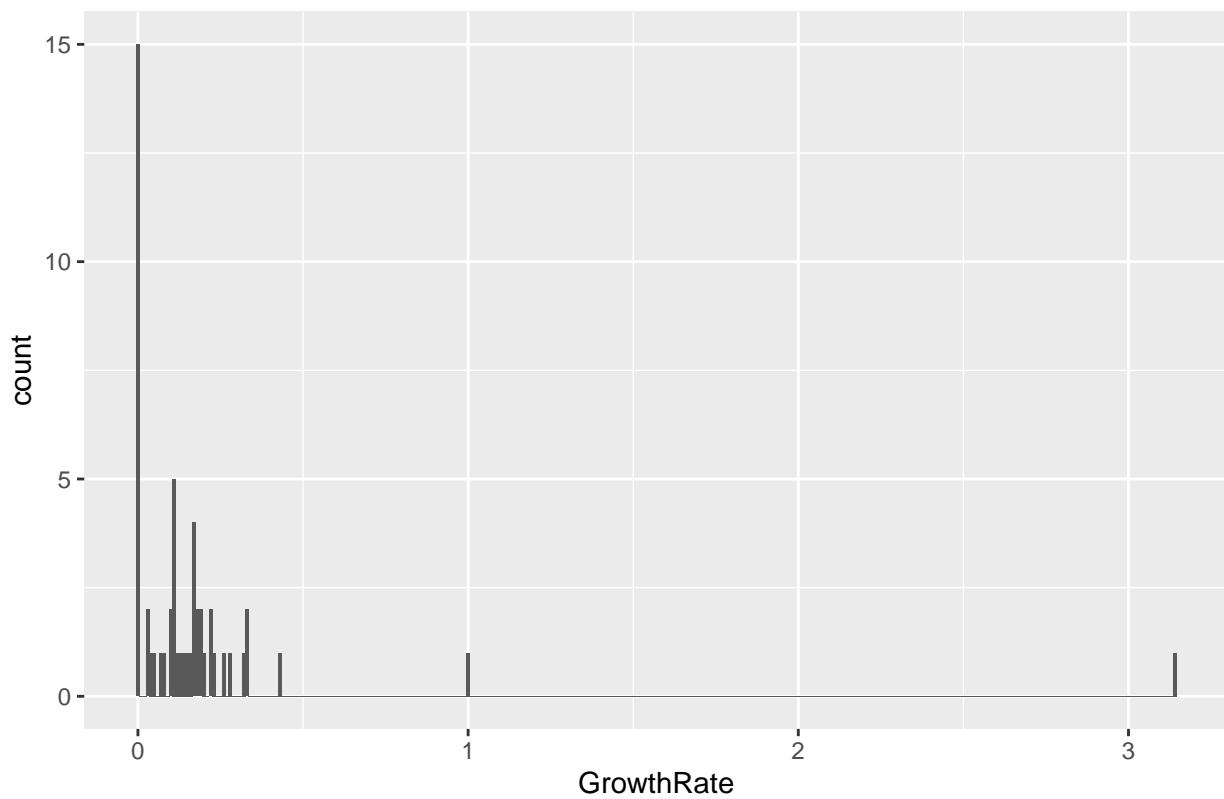
### US: Rate of change in Growth Rate

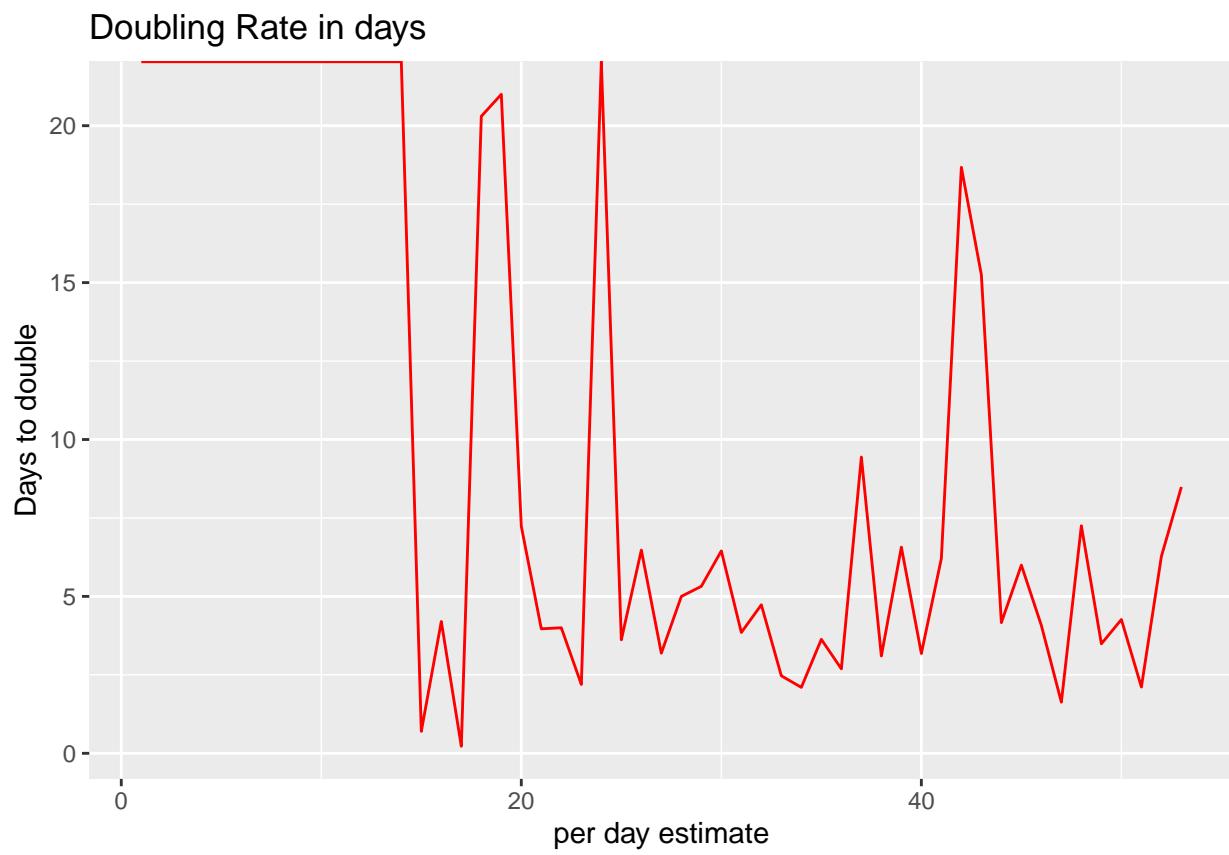


## India: Growth Rate

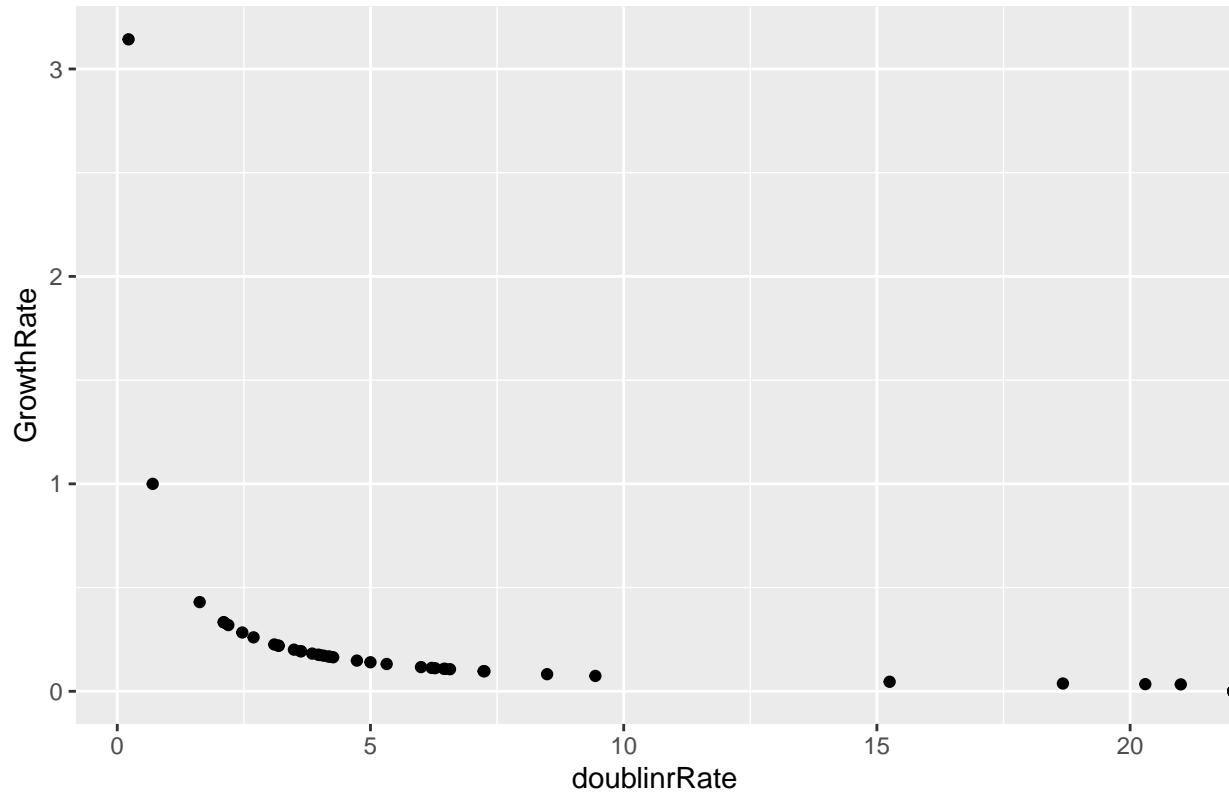


Histogram of GrowthRate

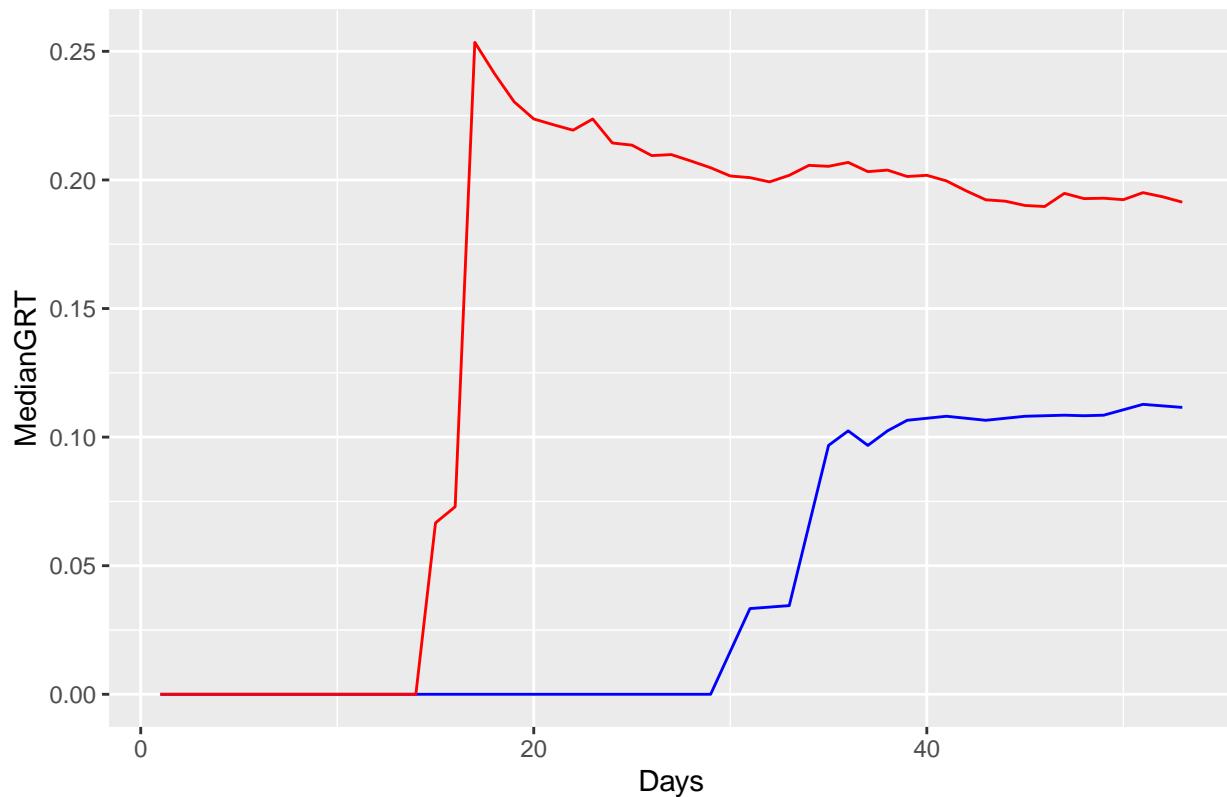




## Doubling Rate vs Growth Rate



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



### Results:

- Tomorrows predicted case number is between **6223.1220109** and **6849.0945544** cases.
- Current doubling rate is **8 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 **8.2470345** percent.
- Mean Growth Rate: **19.1354071** percent.
- Median Growth Rate: **11.1552951** percent.
- Standard deviation: +/- **44.3582042**.