

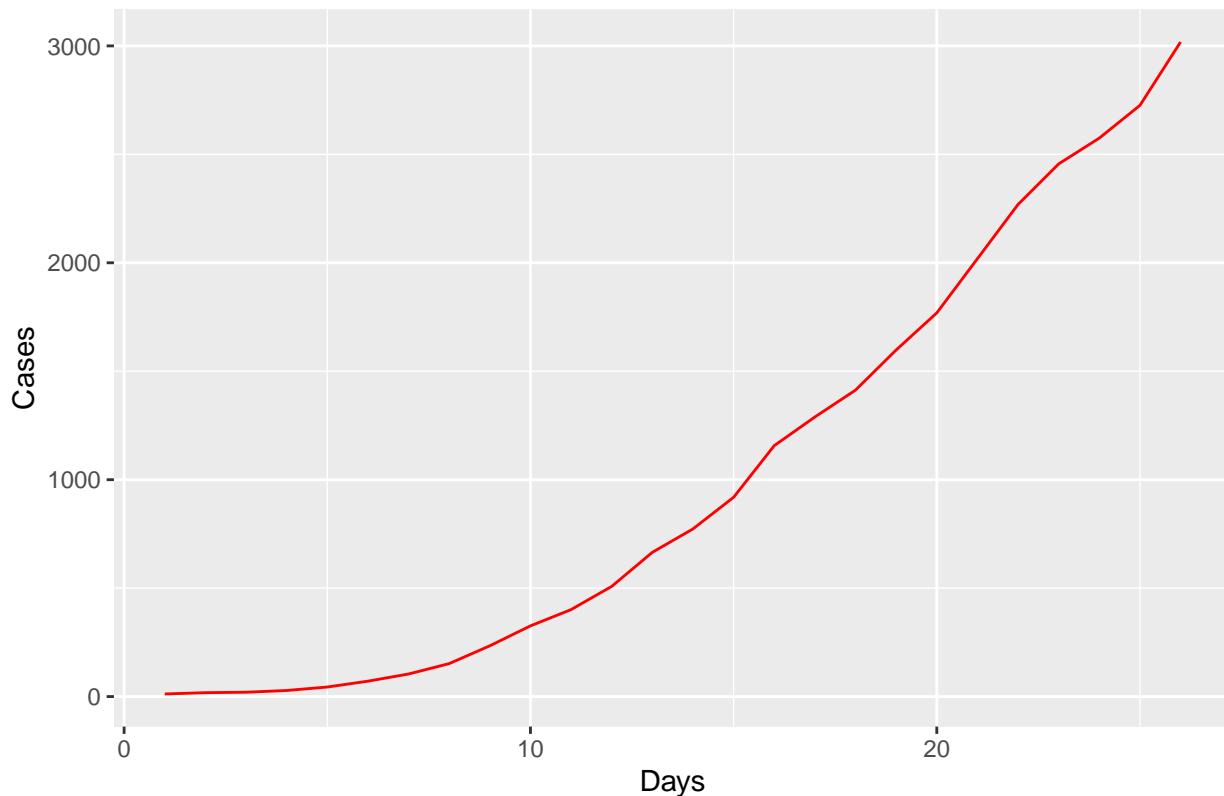
# Arizona/US/India Corona Trends- 9th April 2020 with tomorrow's prediction

Whitchurch Muthumani

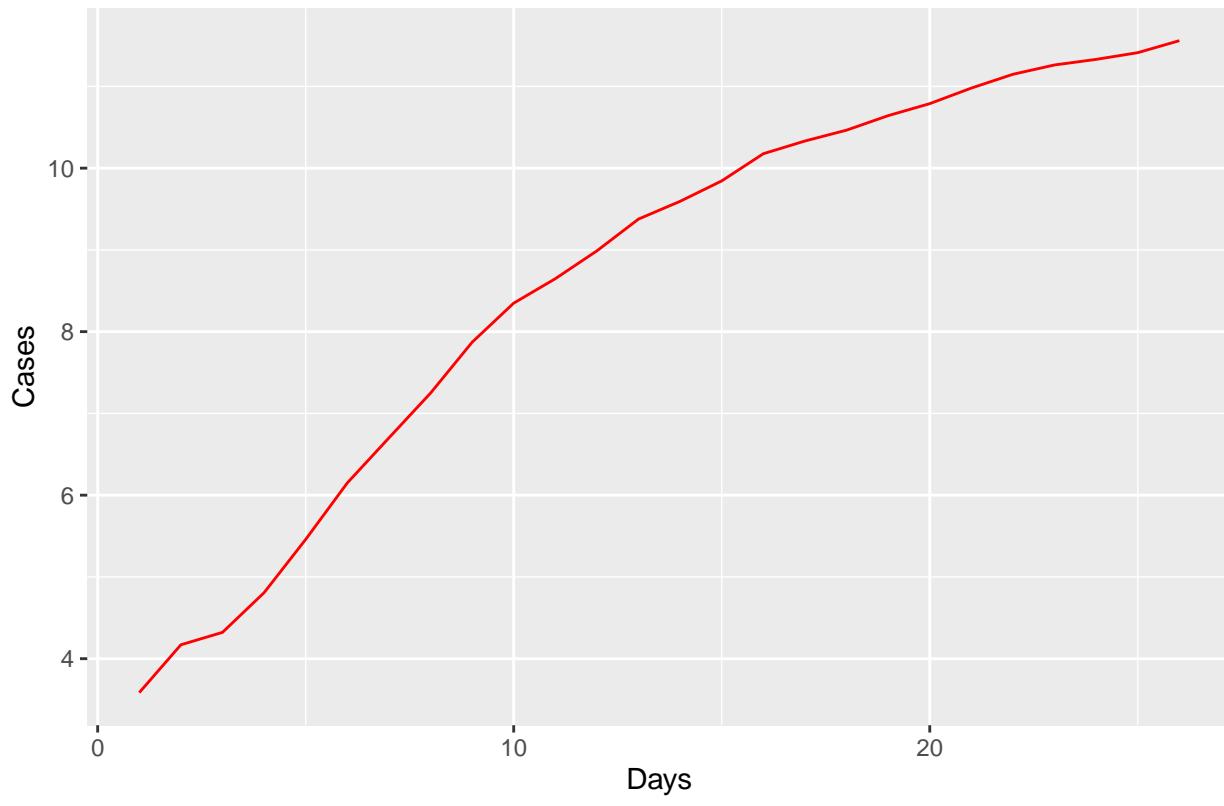
4/9/2020

## Arizona Corona Dashboard

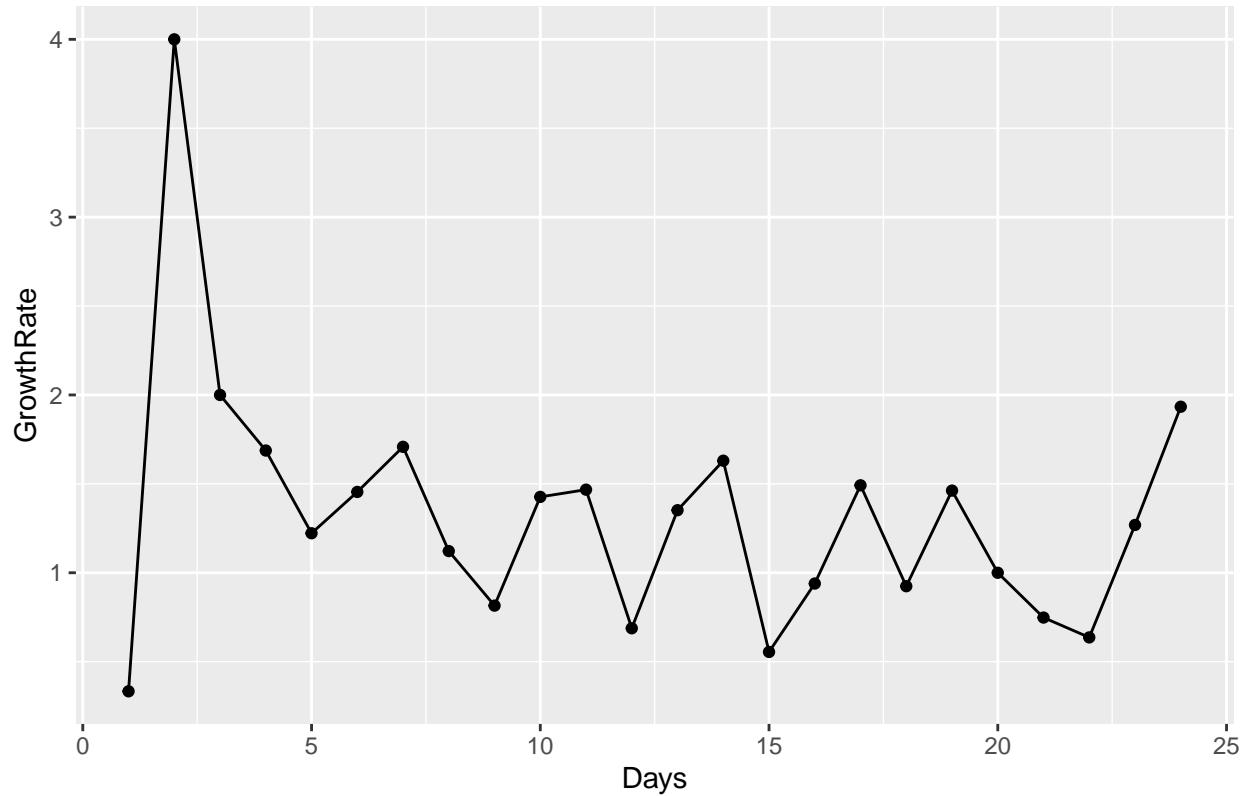
### Arizona: Daily Cases



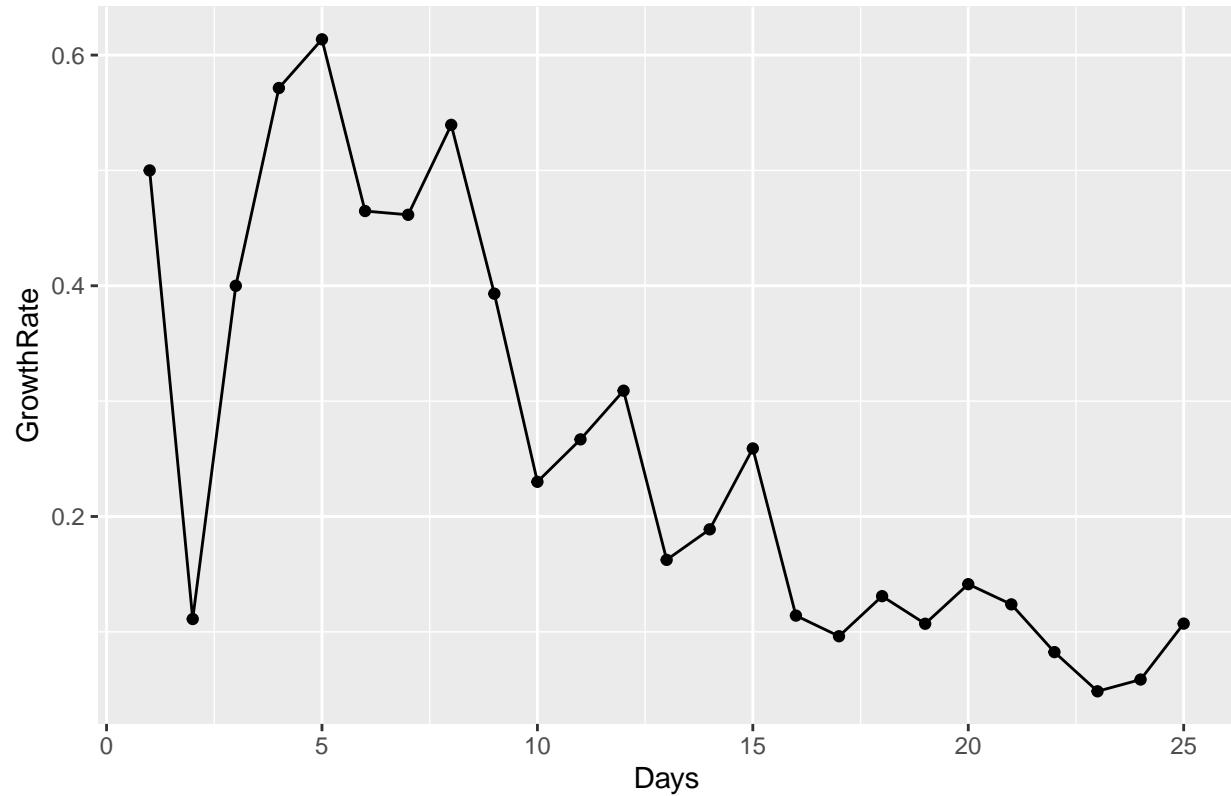
### Arizona: Daily Cases



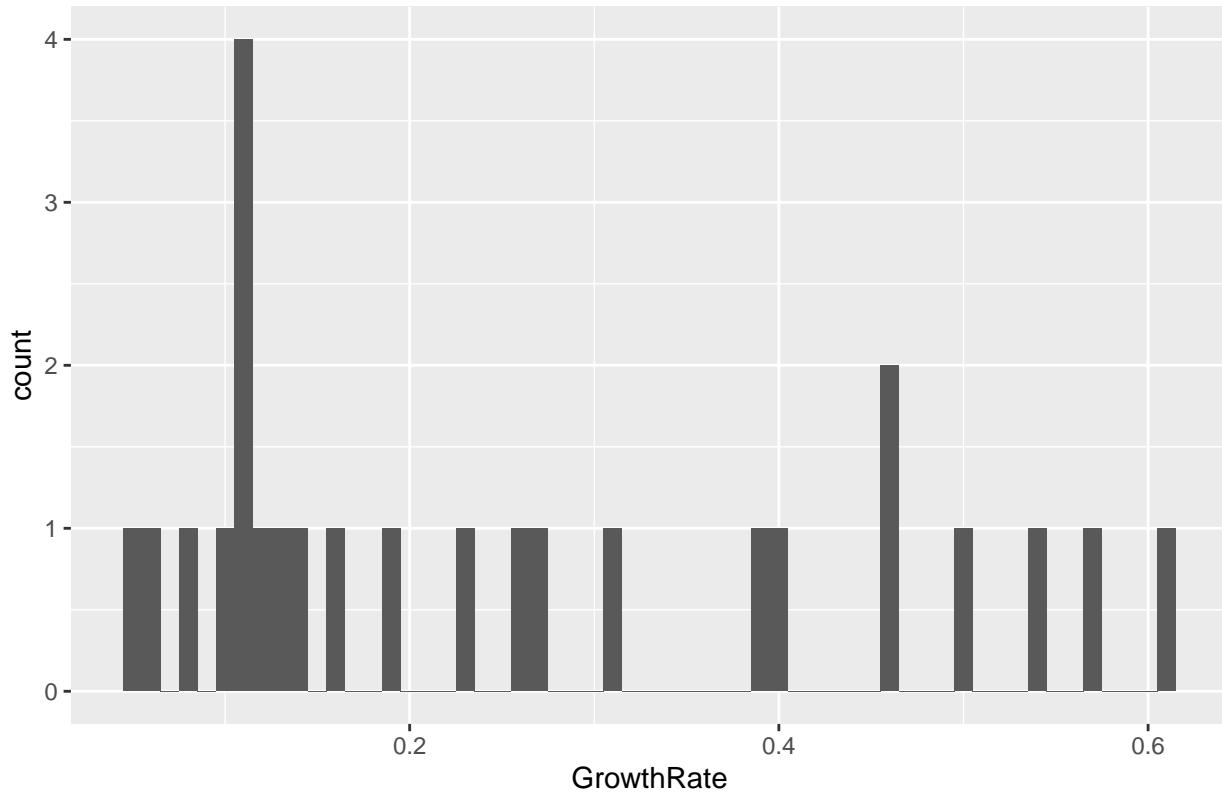
### Arizona: Rate of change in Growth Rate



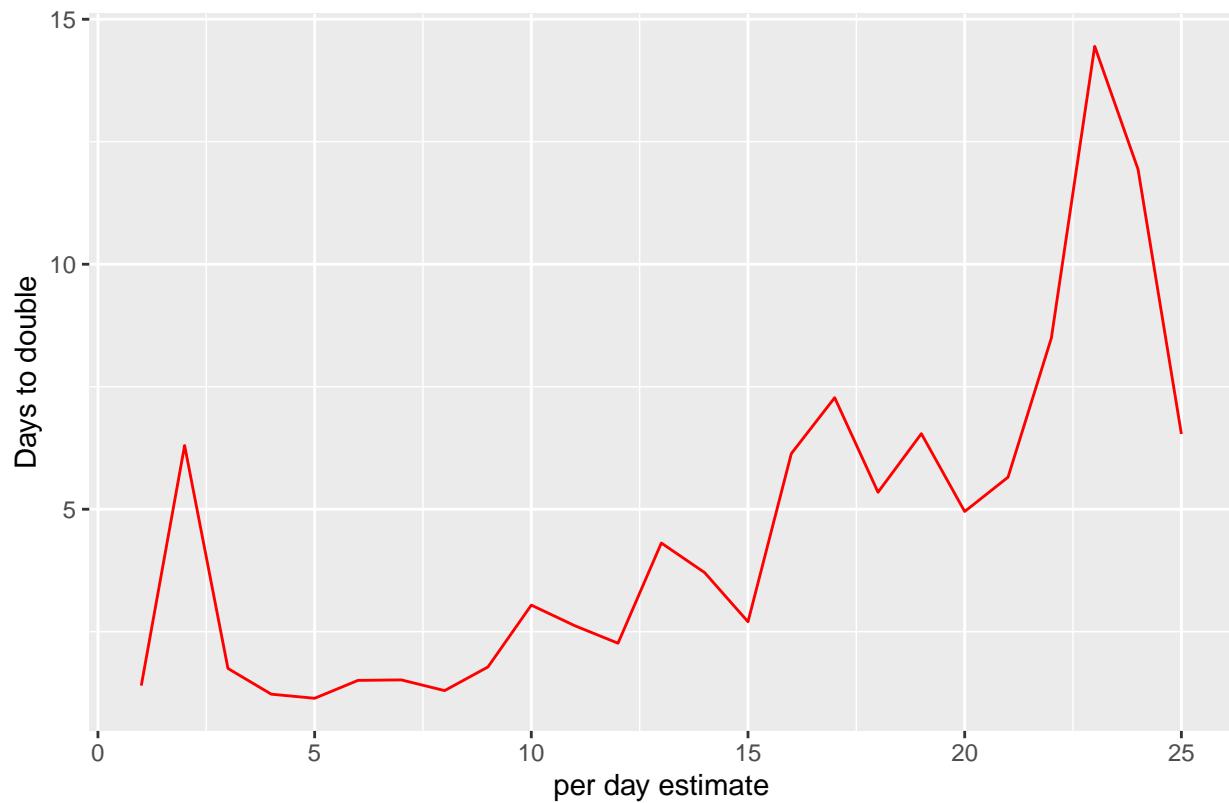
## Arizona: Growth Rate



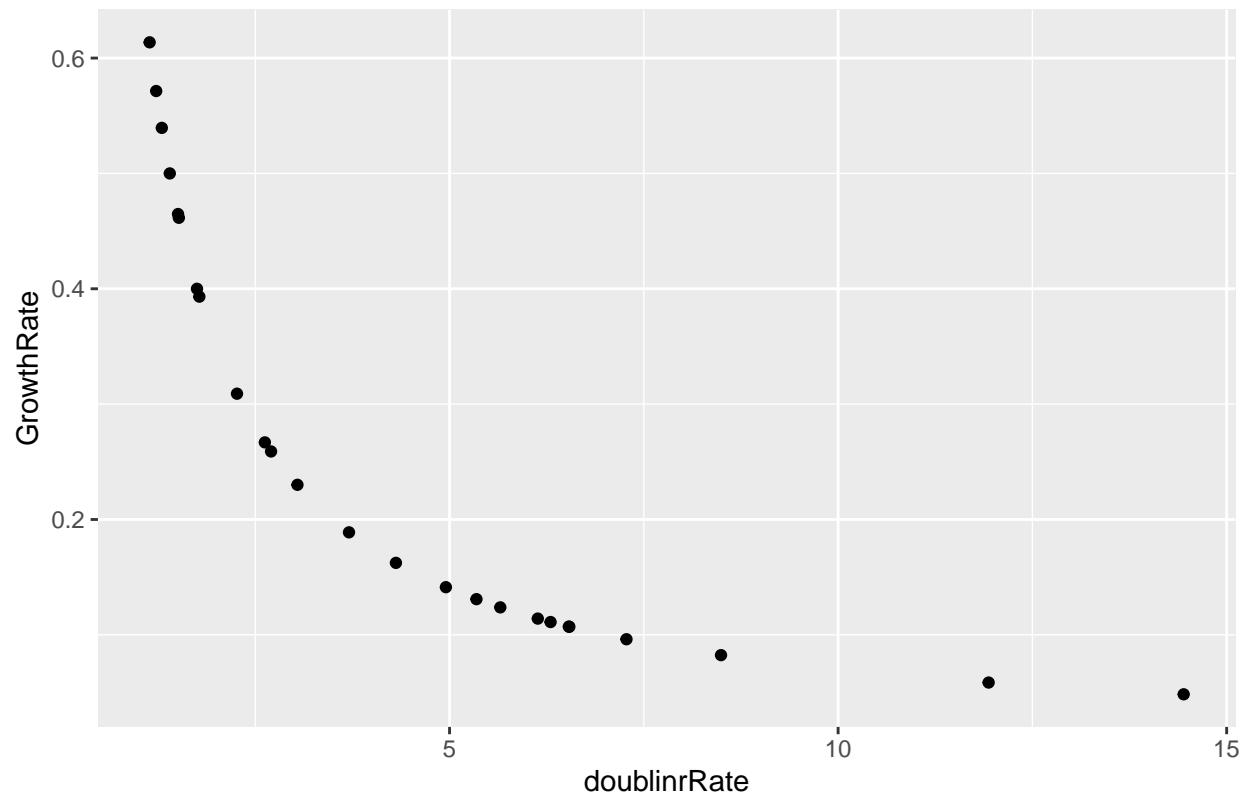
Histogram of GrowthRate



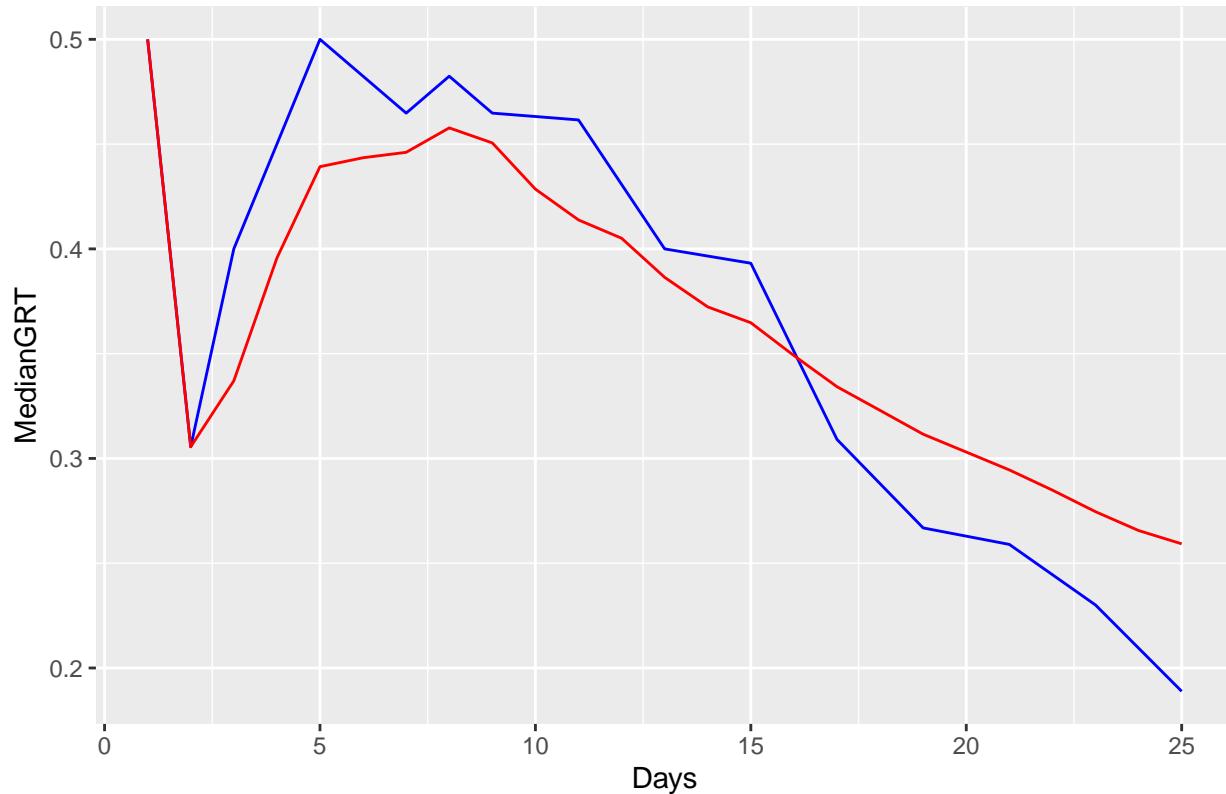
## Doubling Rate in days



## Doubling Rate vs Growth Rate



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

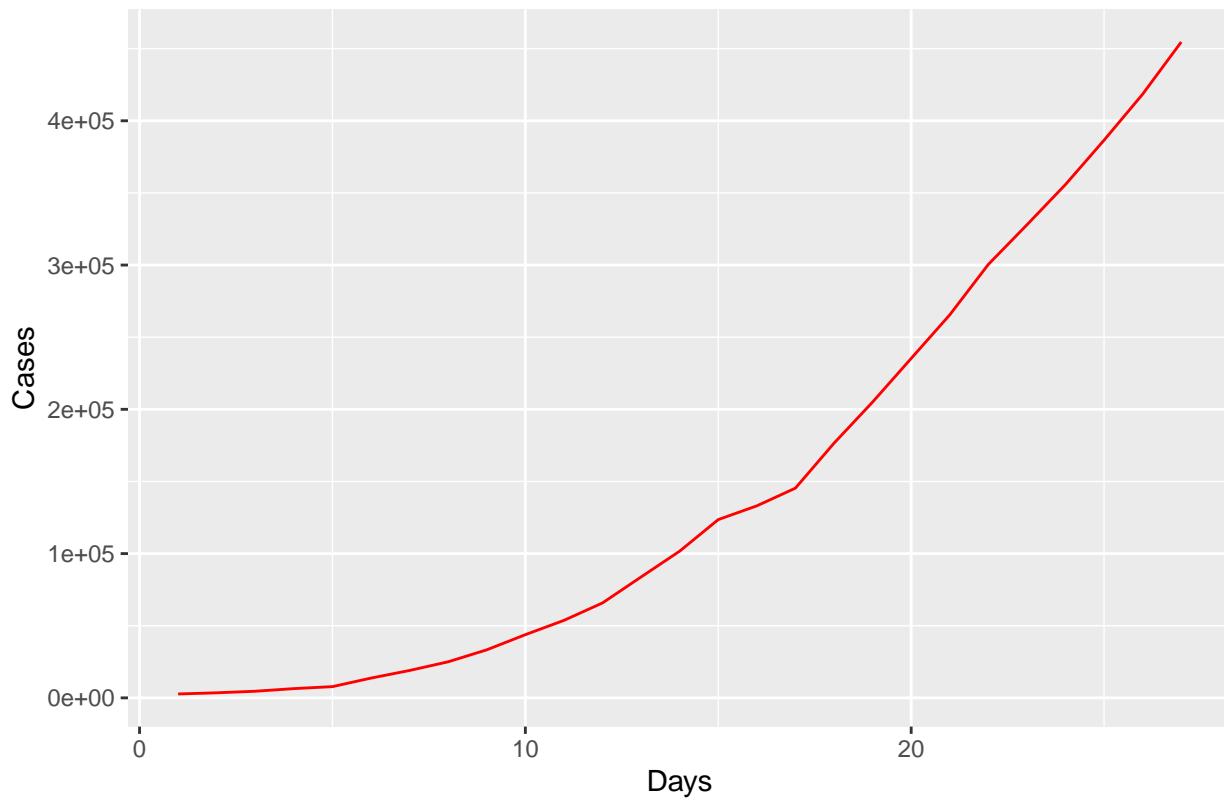


### Results:

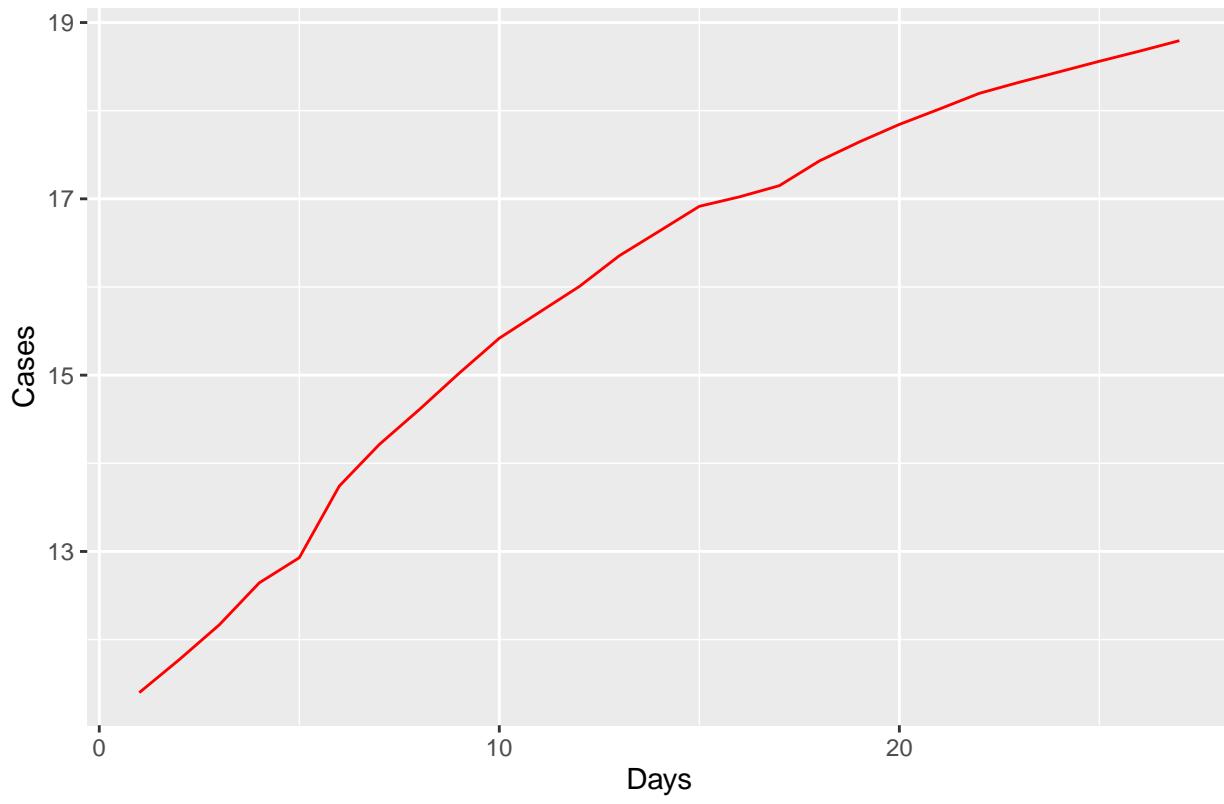
- Tomorrows predicted case number is between **3341.2780631** and **3800.4274648** cases.
- Current doubling rate is **7 days**
- Mean doubling rate, i.e number of cases doubles every **3 days**.
- Median doubling rate, i.e number of cases doubles every **4 days**.
- Latest Observed Growth Rate **10.7116654** percent.
- Mean Growth Rate: **25.9253633** percent.
- Median Growth Rate: **18.8874515** percent.
- Standard deviation: +/- **18.0133198**.

## US Corona Dashboard

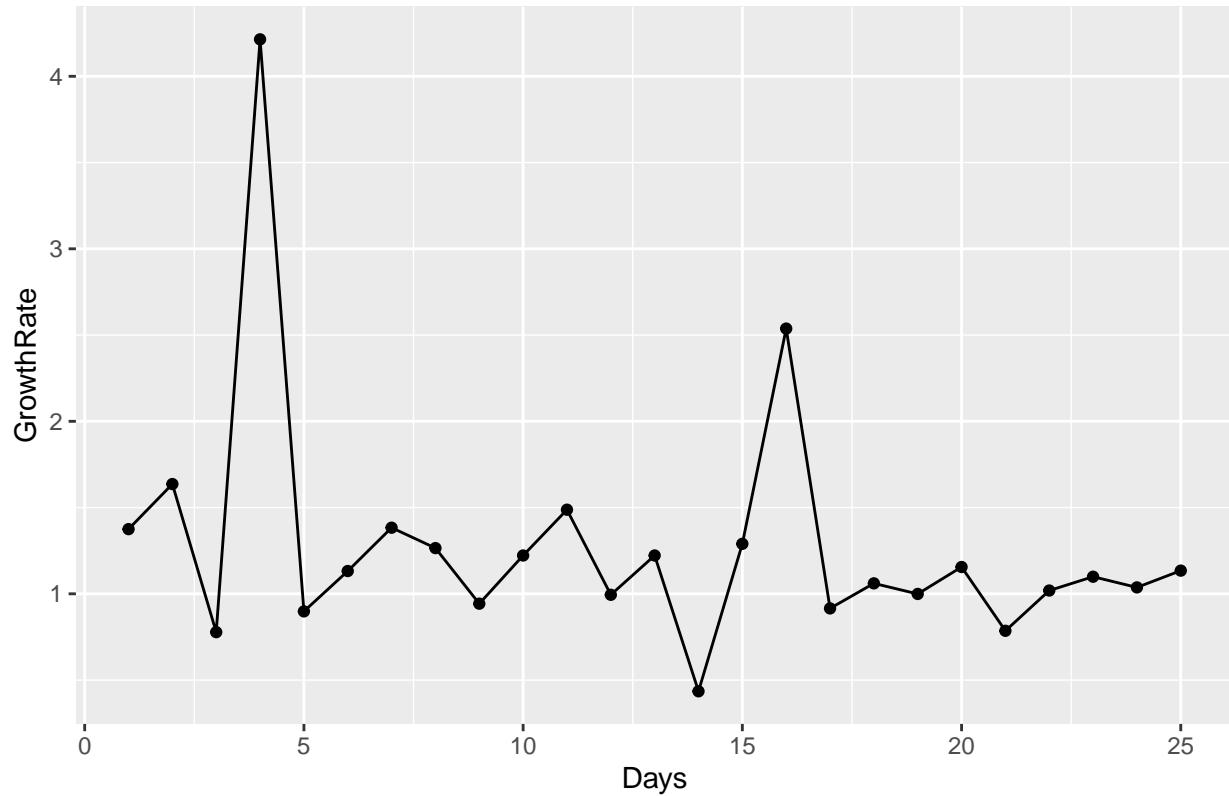
### US: Daily Cases



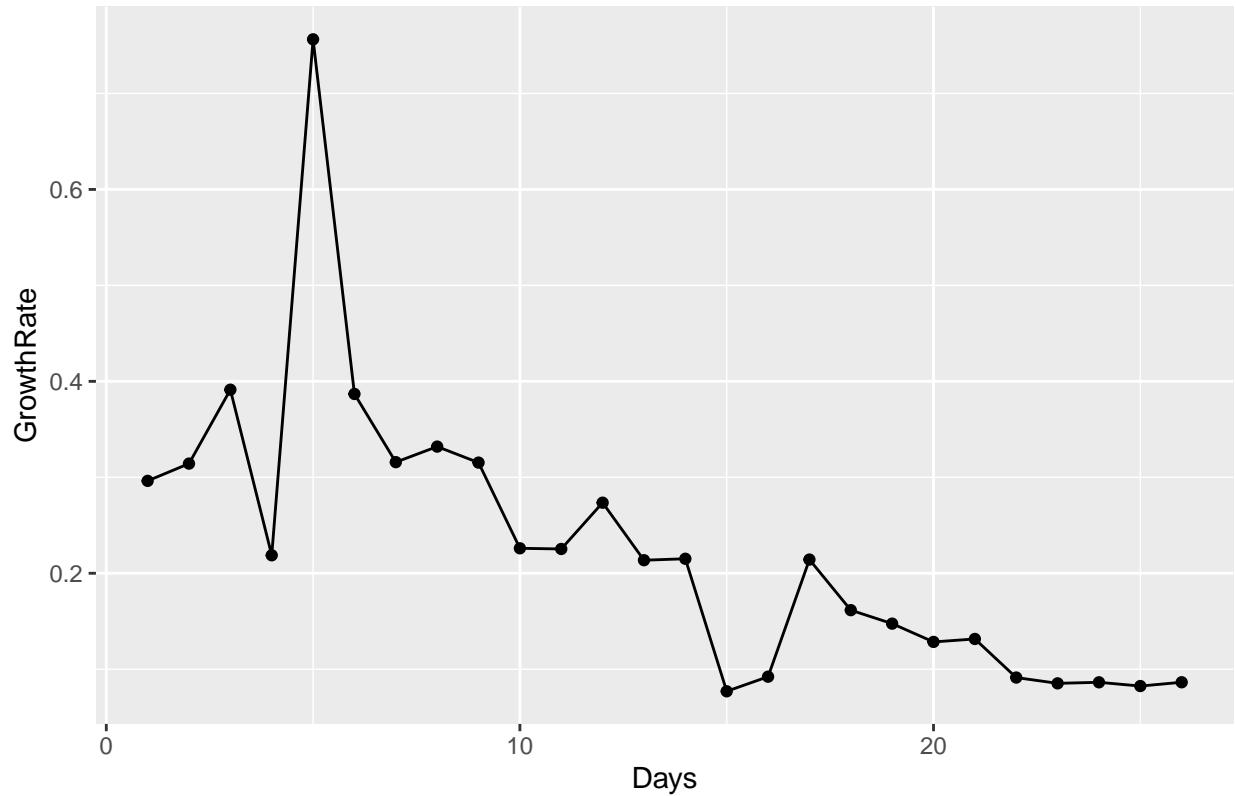
### US: Daily Cases



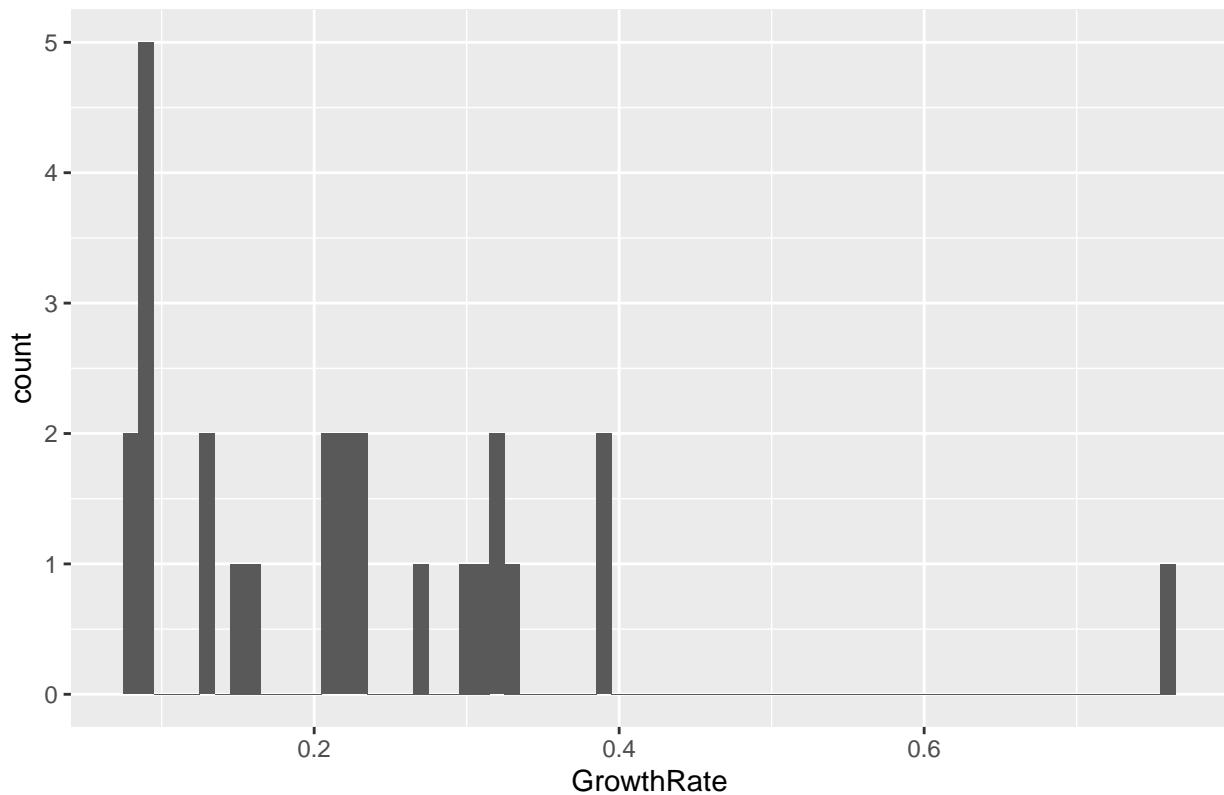
### US: Rate of change in Growth Rate



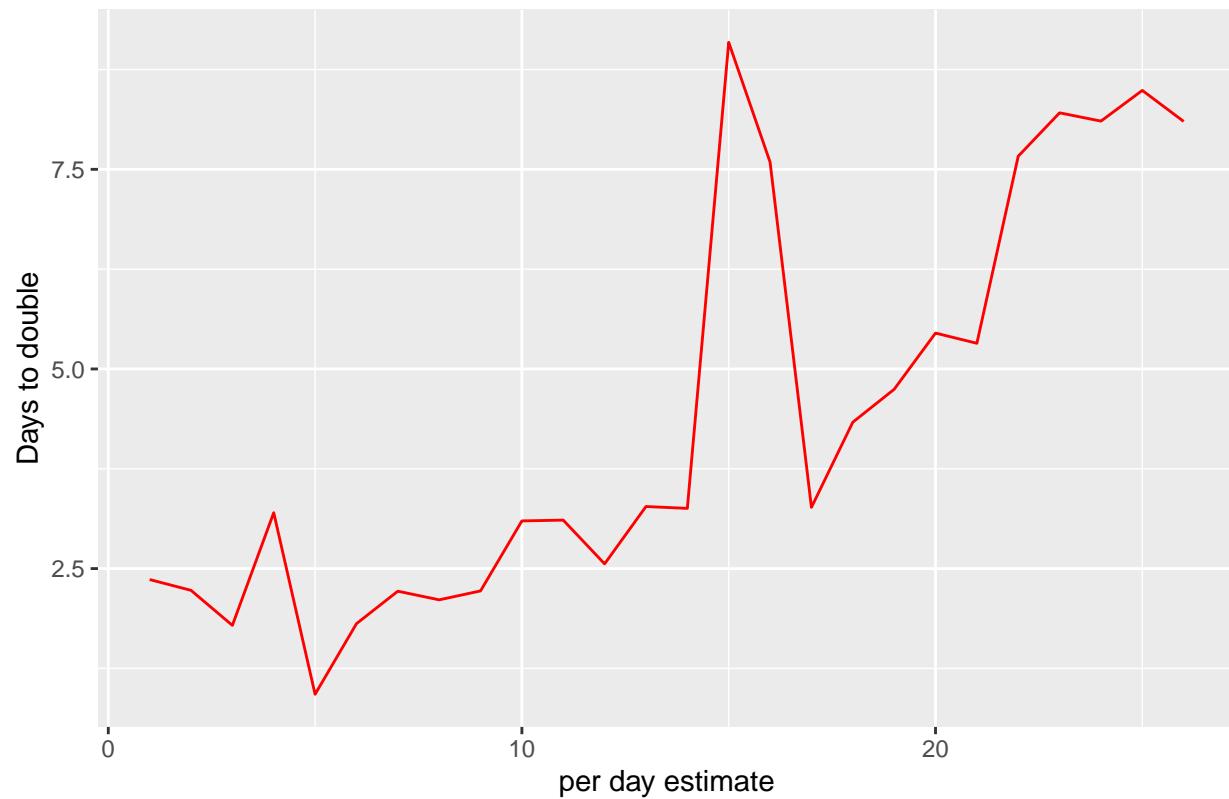
## US: Growth Rate



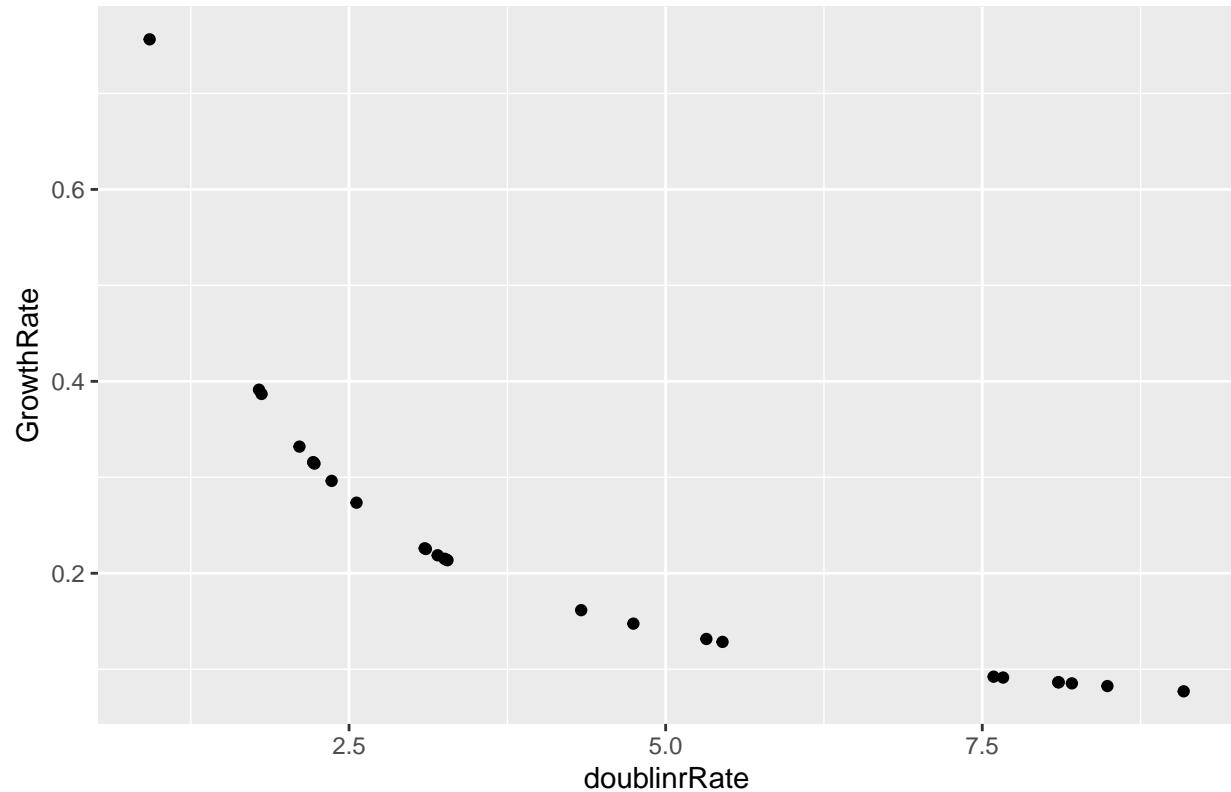
Histogram of GrowthRate



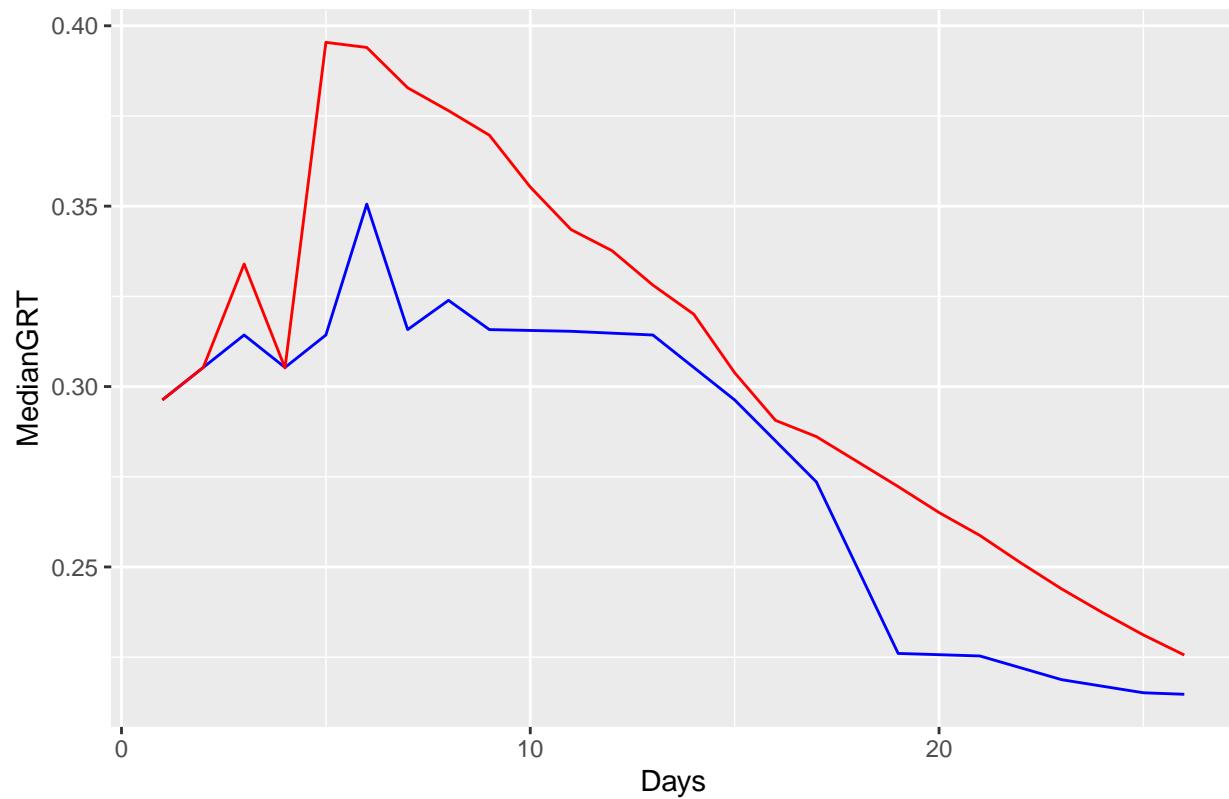
## Doubling Rate in days



## Doubling Rate vs Growth Rate



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

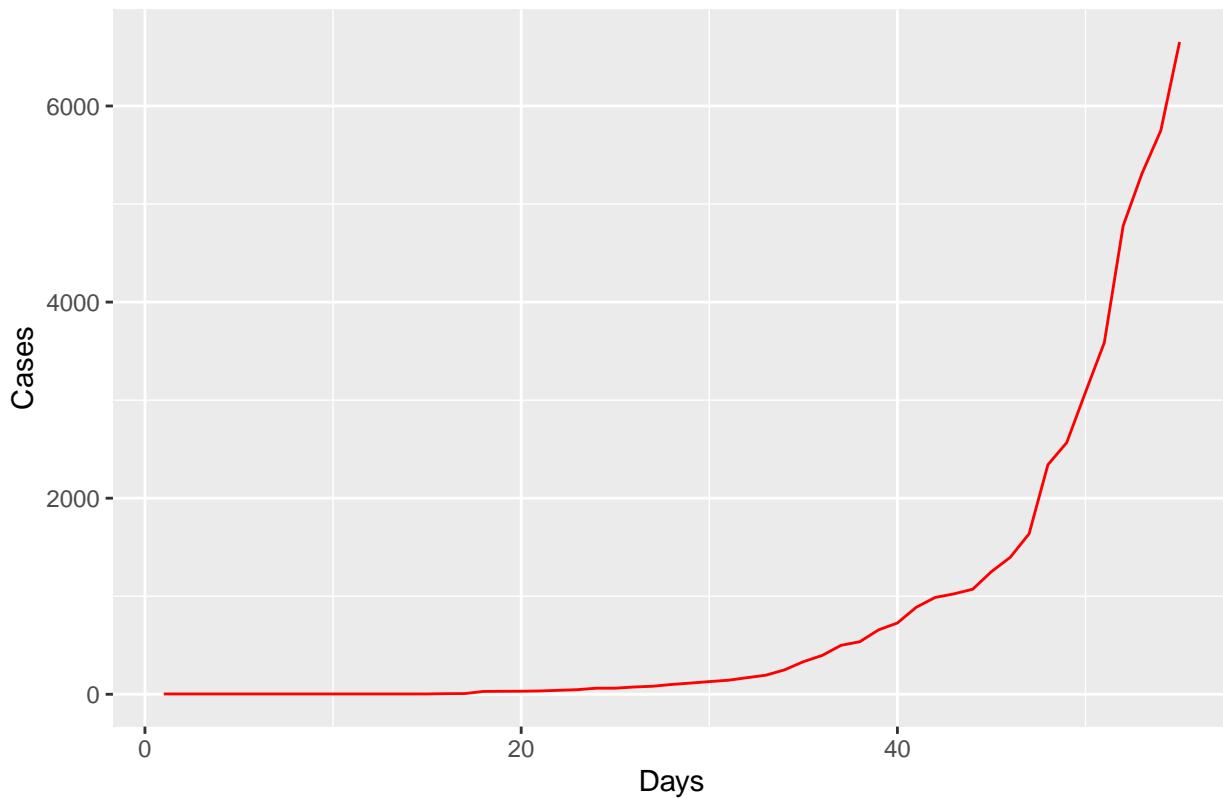


#### Results:

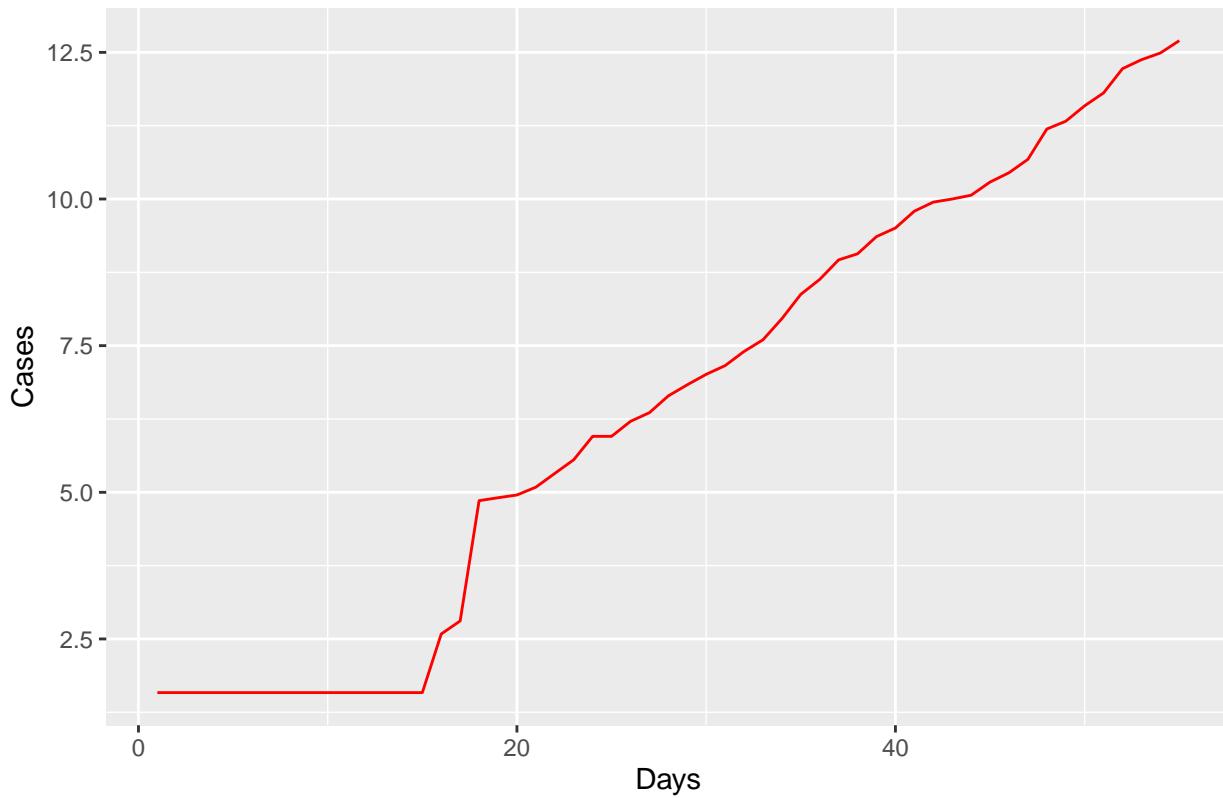
- Tomorrows predicted case number is between  $4.9390442 \times 10^5$  and  $5.5716784 \times 10^5$  cases.
- Current doubling rate is **8 days**
- Mean doubling rate, i.e number of cases doubles every **3 days**.
- Median doubling rate, i.e number of cases doubles every **3 days**.
- Latest Observed Growth Rate **8.64235** percent.
- Mean Growth Rate: **22.5581724** percent.
- Median Growth Rate: **21.4699153** percent.
- Standard deviation: +/- **14.7461596**.

## India Corona Dashboard

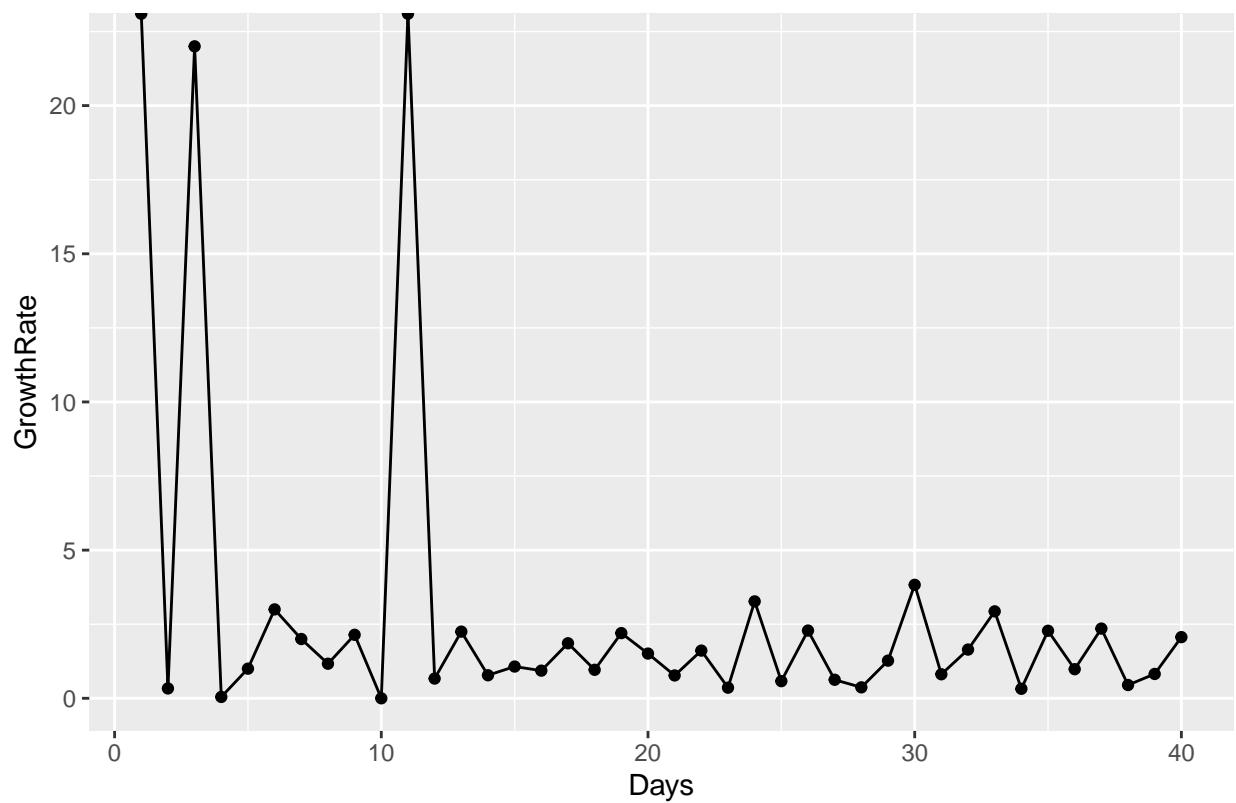
### India: Daily Cases



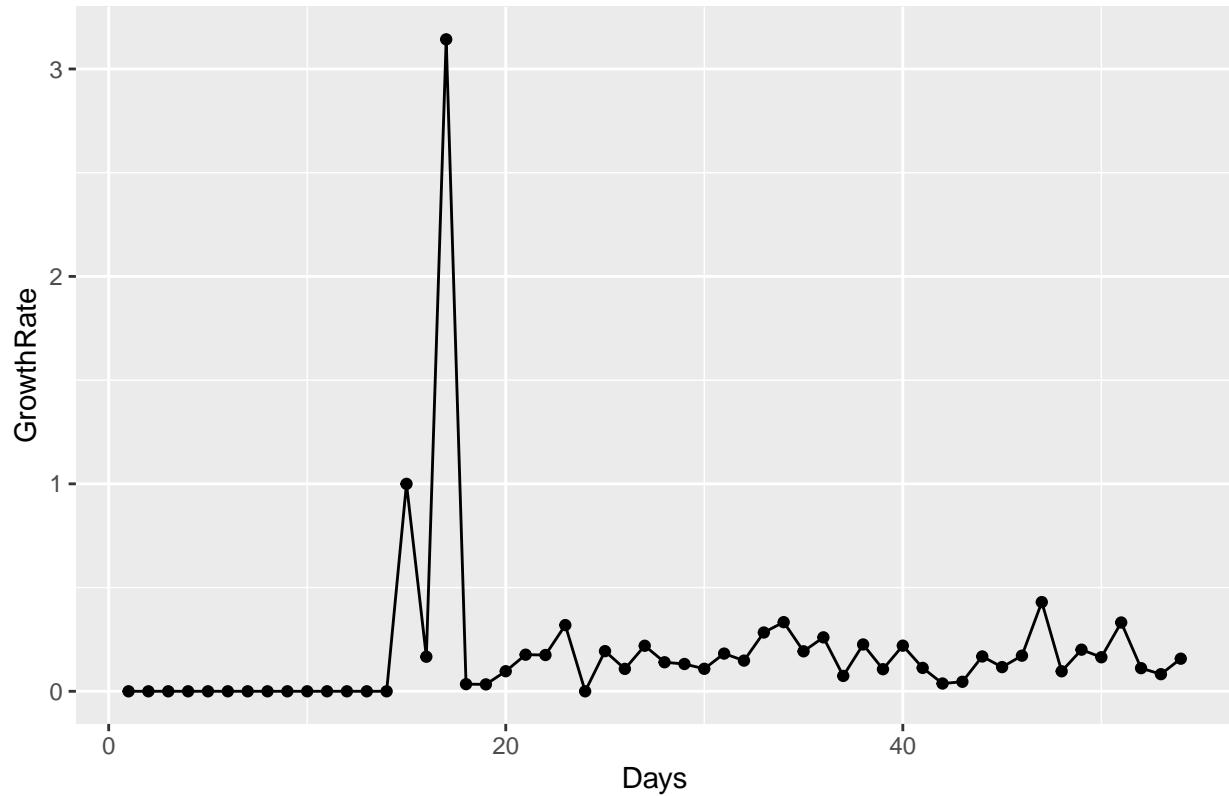
### India: Daily Cases



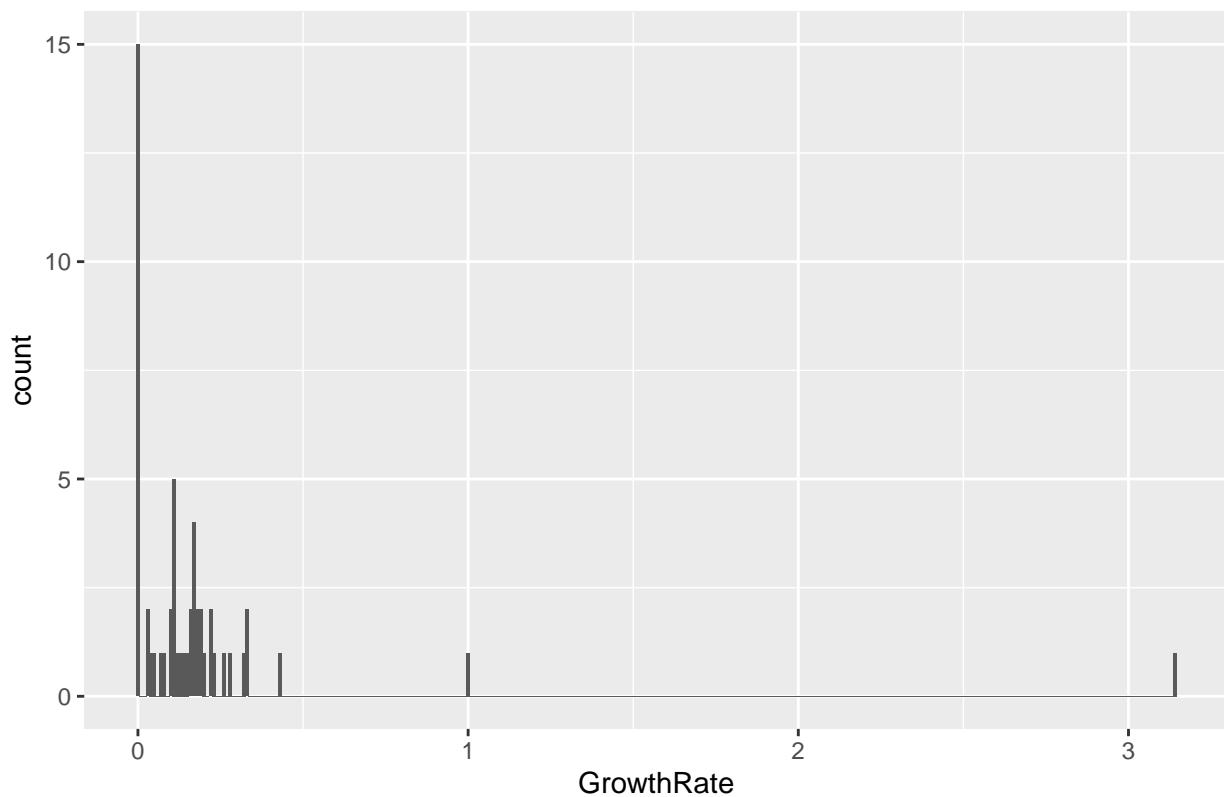
### US: Rate of change in Growth Rate

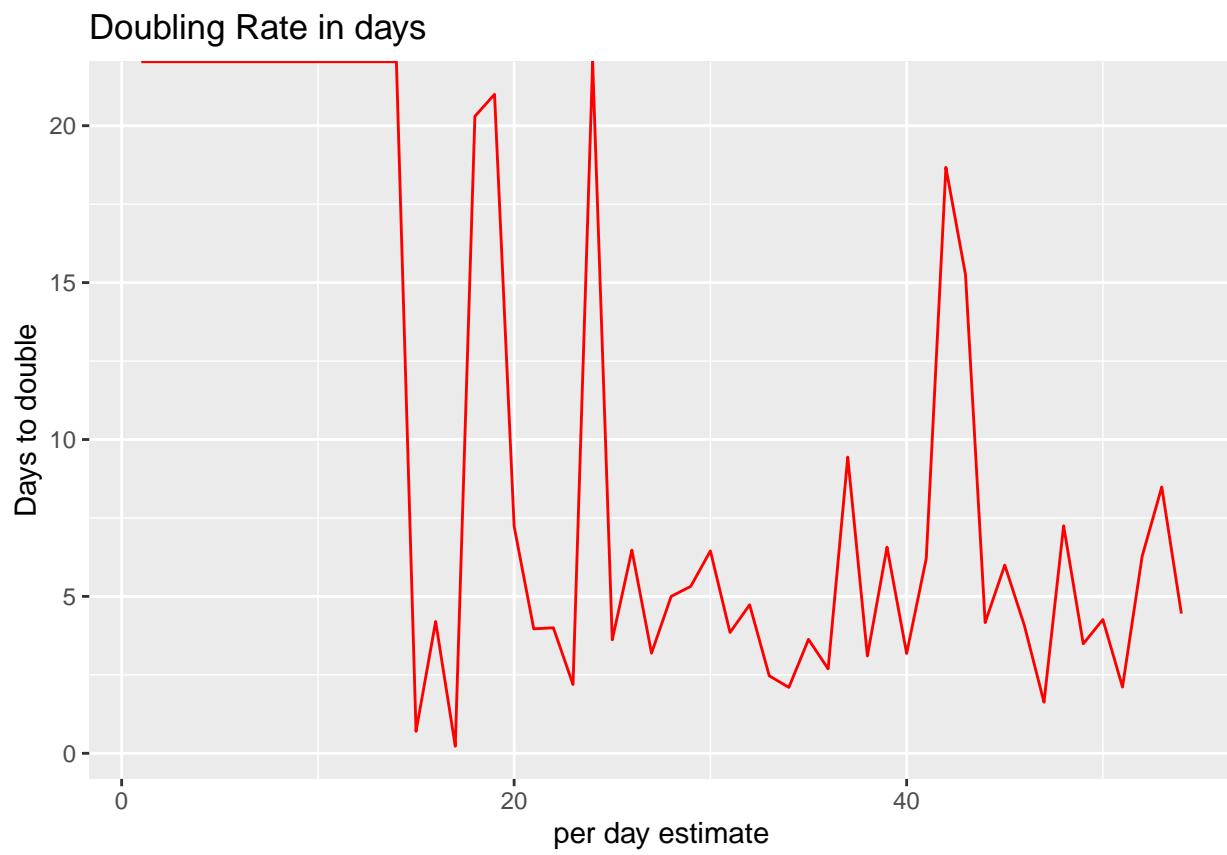


## India: Growth Rate

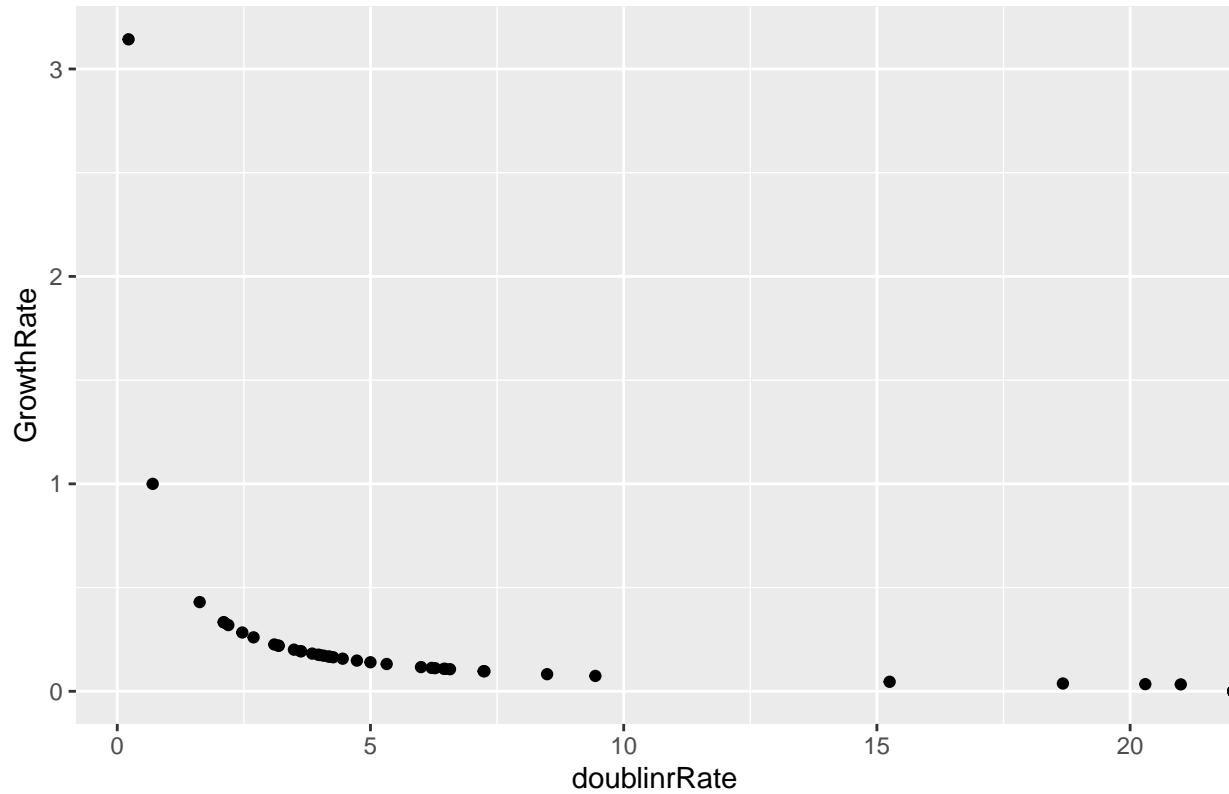


Histogram of GrowthRate

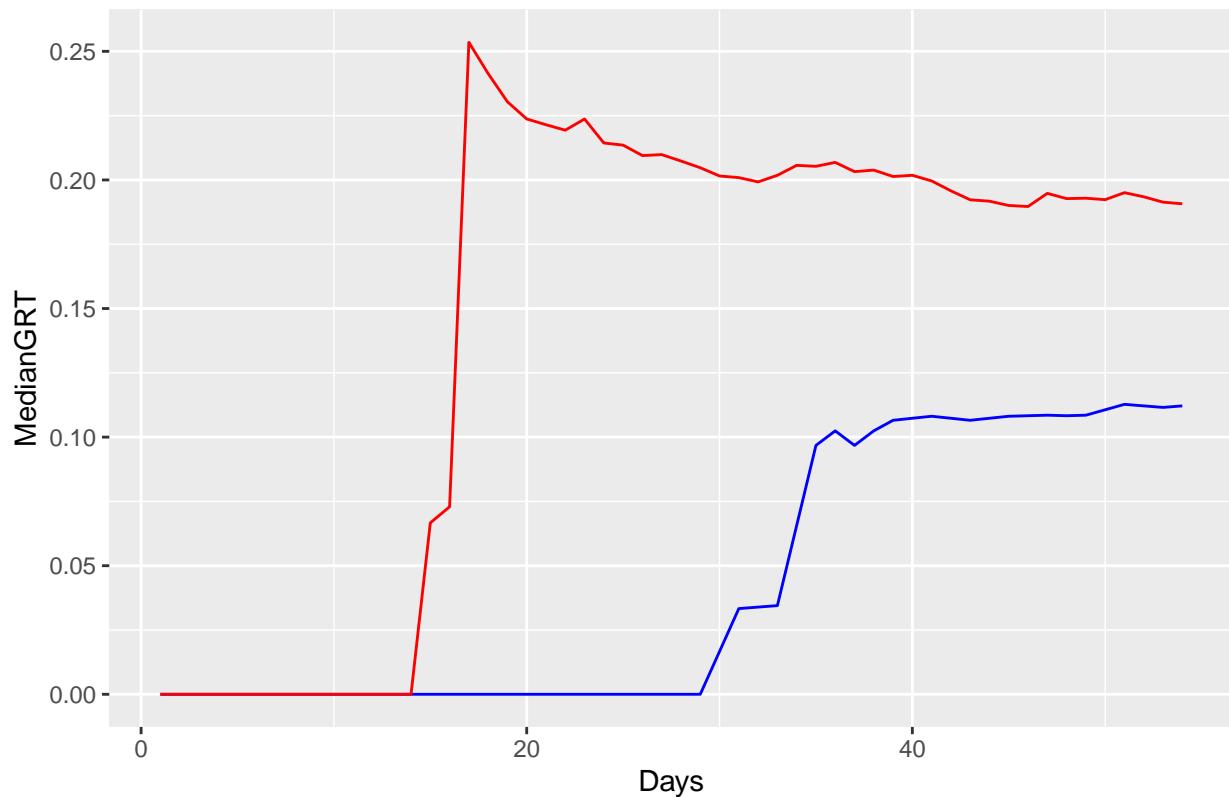




## Doubling Rate vs Growth Rate



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



#### Results:

- Tomorrows predicted case number is between **7699.1492433** and **7921.8762385** cases.
- Current doubling rate is **4 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 **15.7244738** percent.
- Mean Growth Rate: **19.0722417** percent.
- Median Growth Rate: **11.2146261** percent.
- Standard deviation: +/- **43.9401895**.