

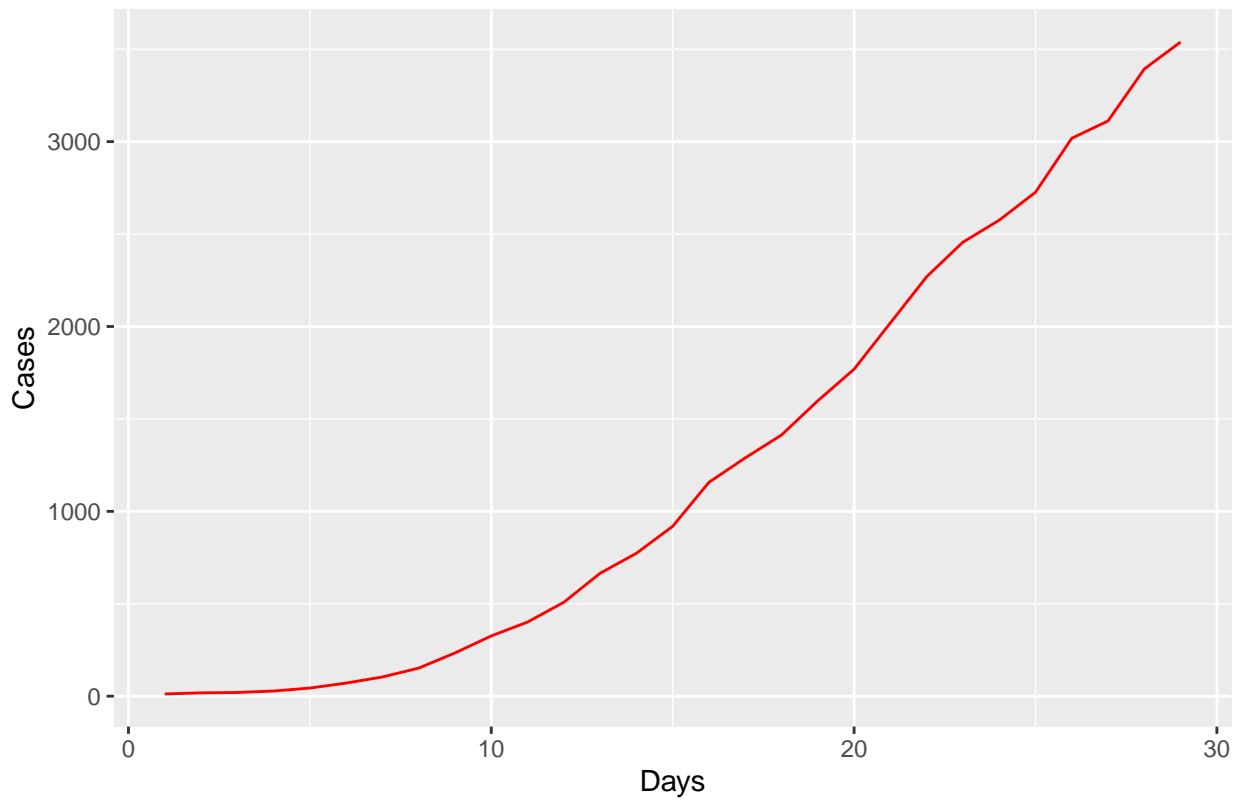
# Arizona/US/India Corona Trends- 12th April 2020 with tomorrow's prediction

Whitchurch Muthumani

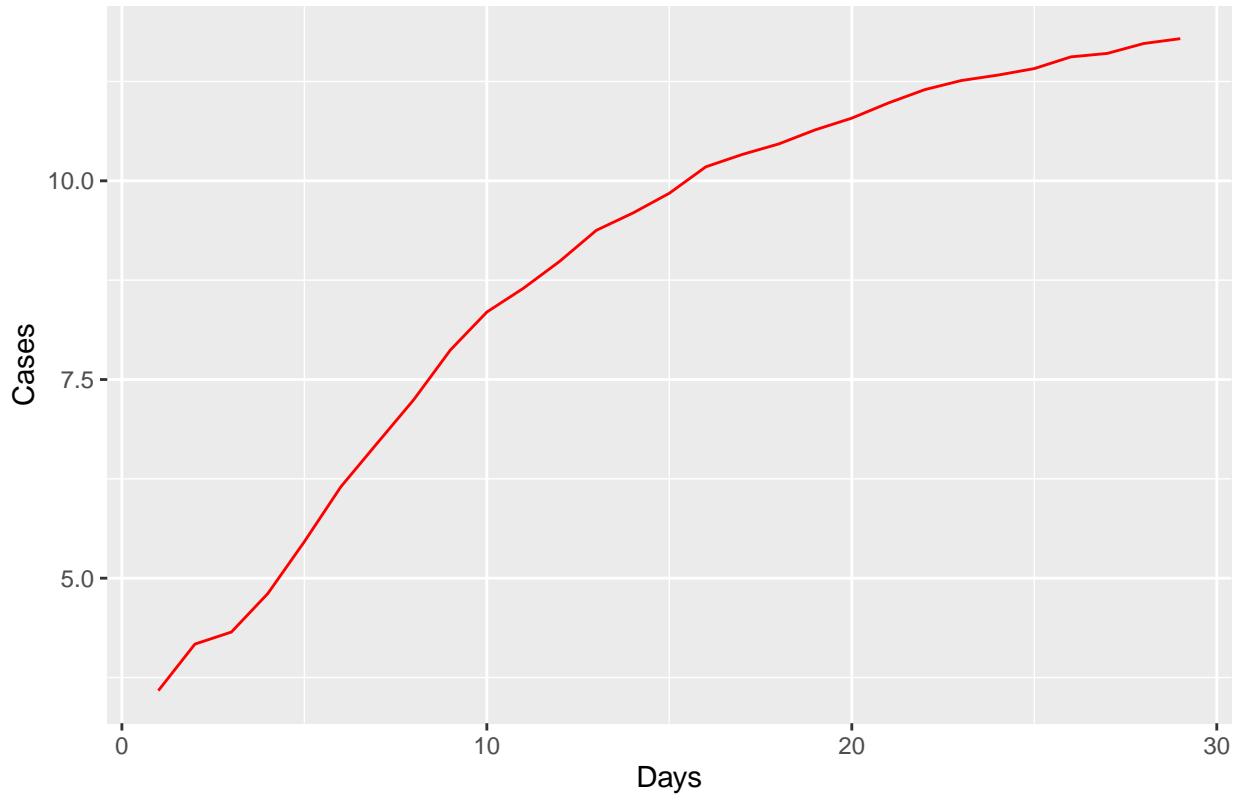
4/12/2020

## Arizona Corona Dashboard

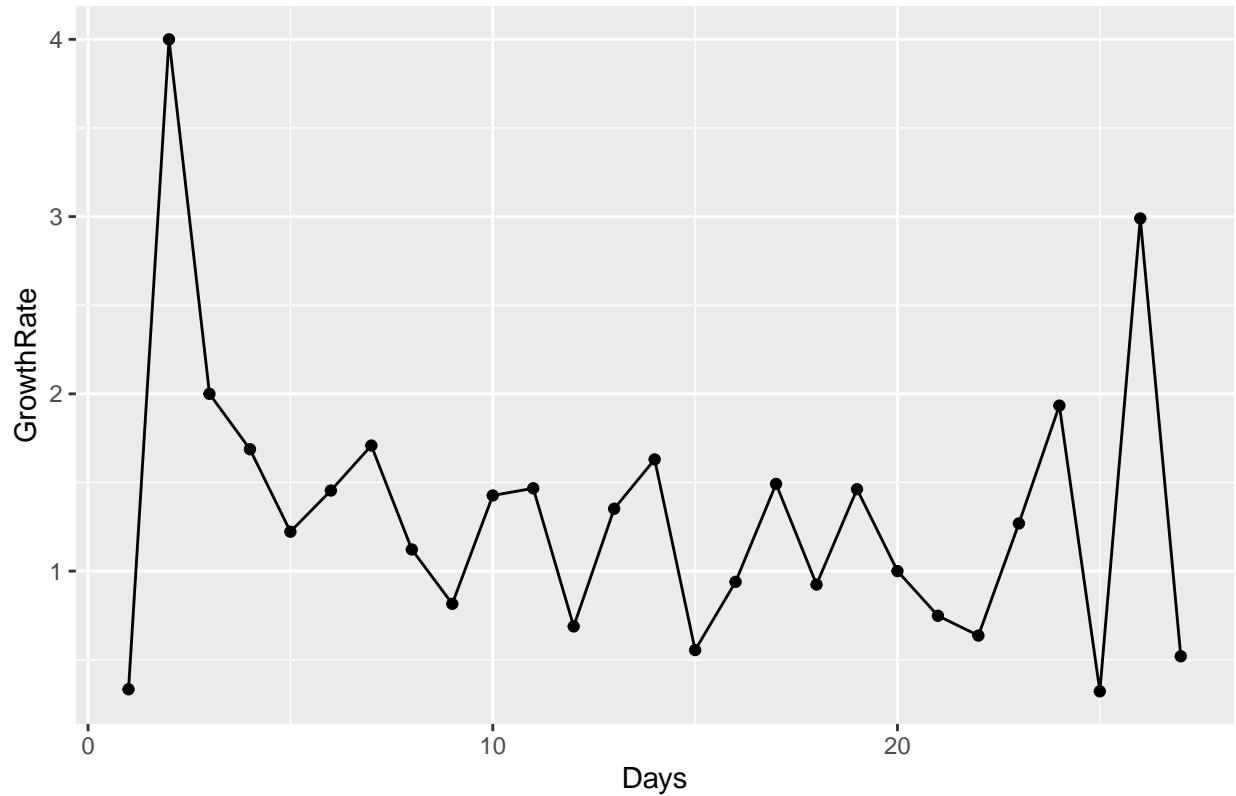
### Arizona: Daily Cases



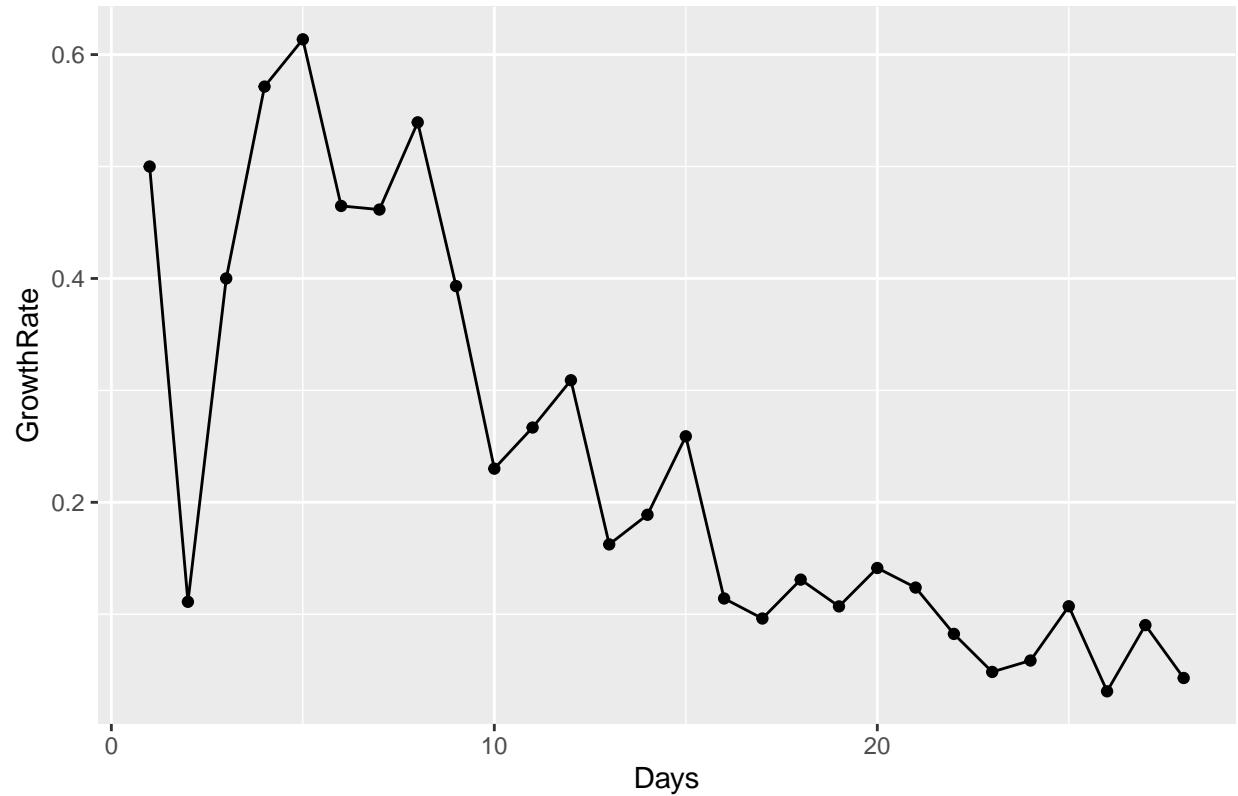
### Arizona: Daily Cases



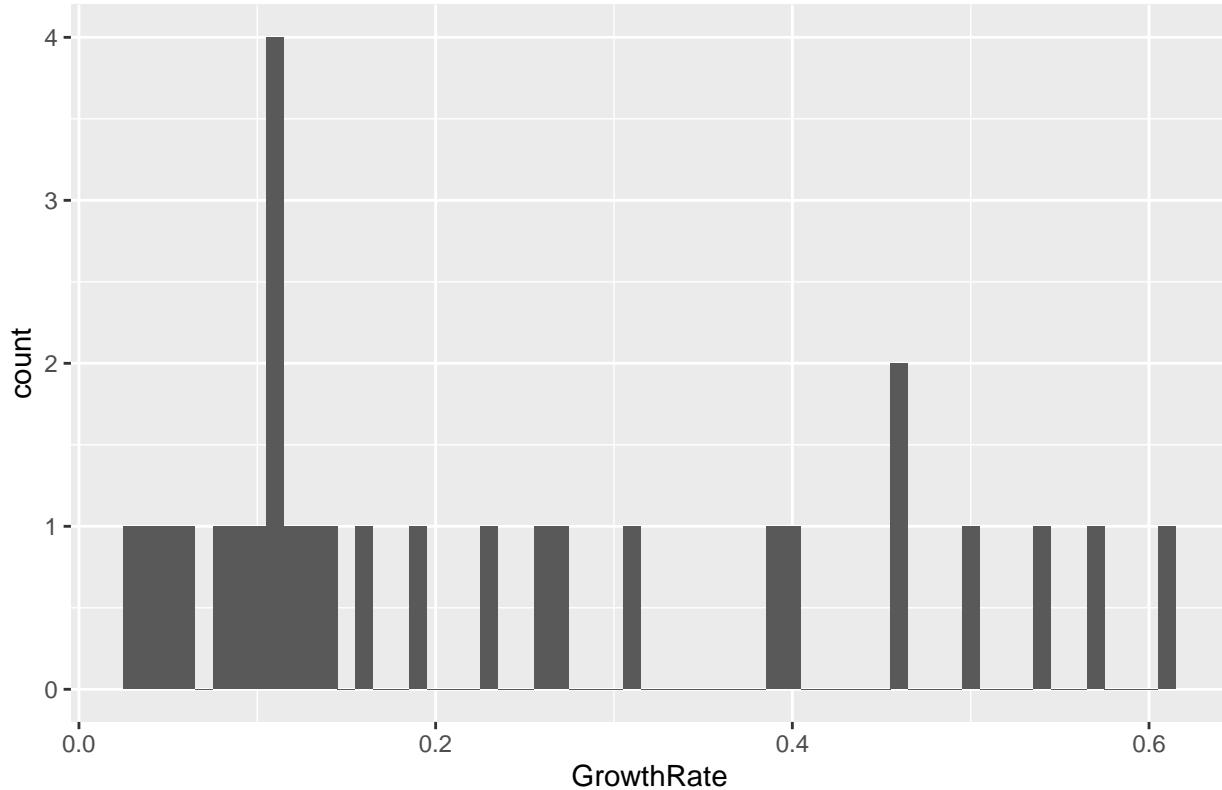
### Arizona: Rate of change in Growth Rate



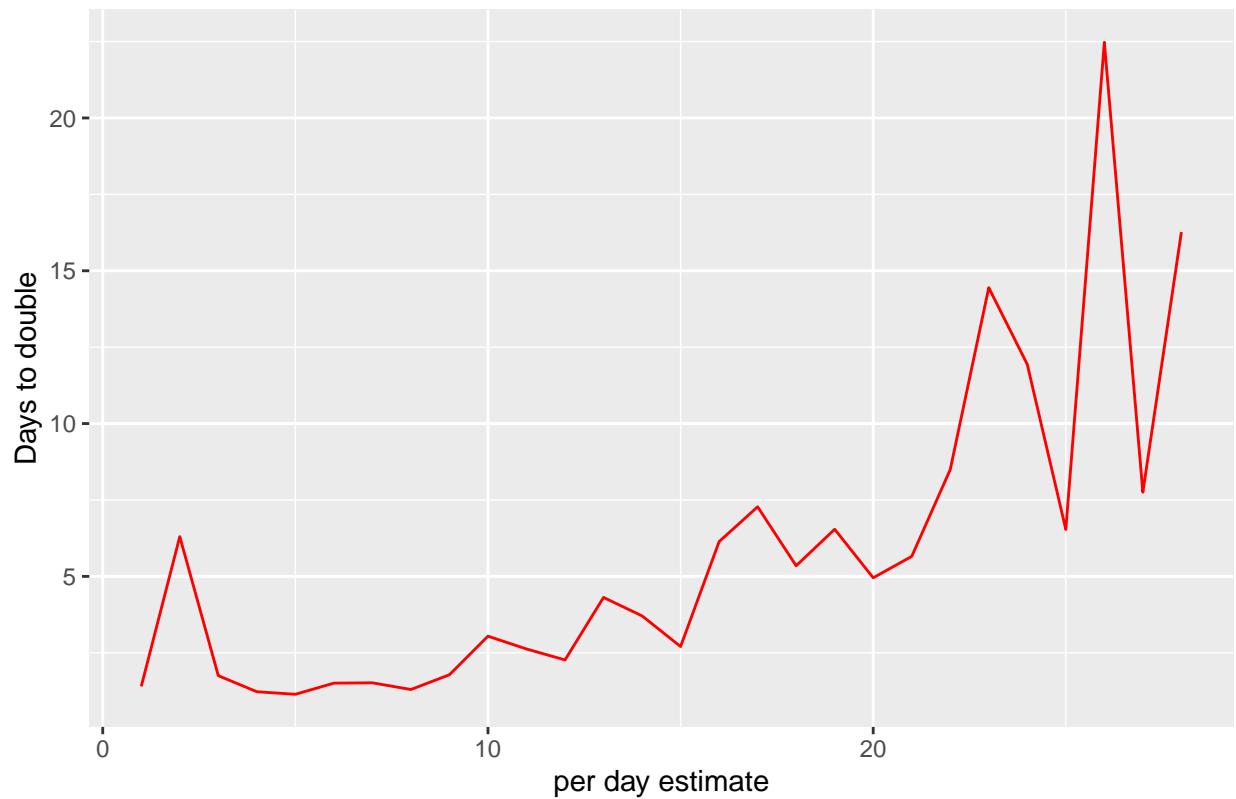
## Arizona: Growth Rate



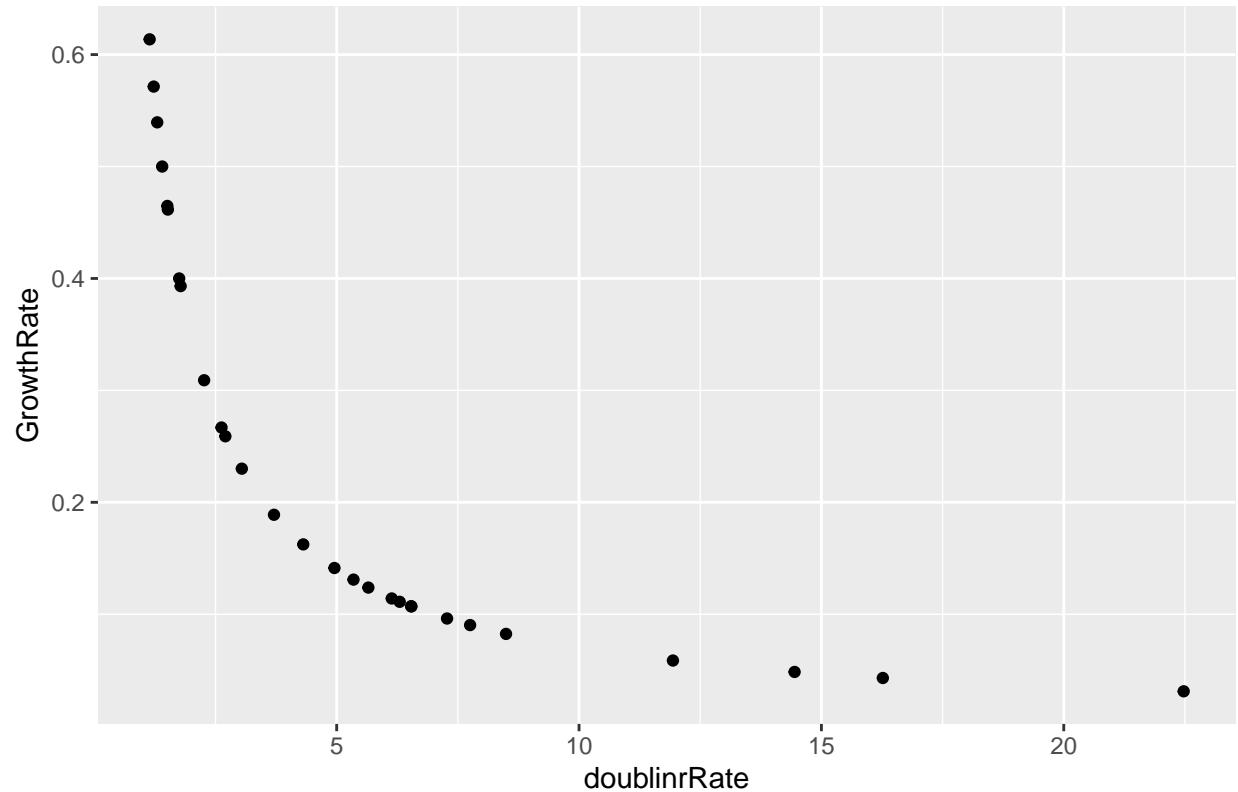
Histogram of GrowthRate



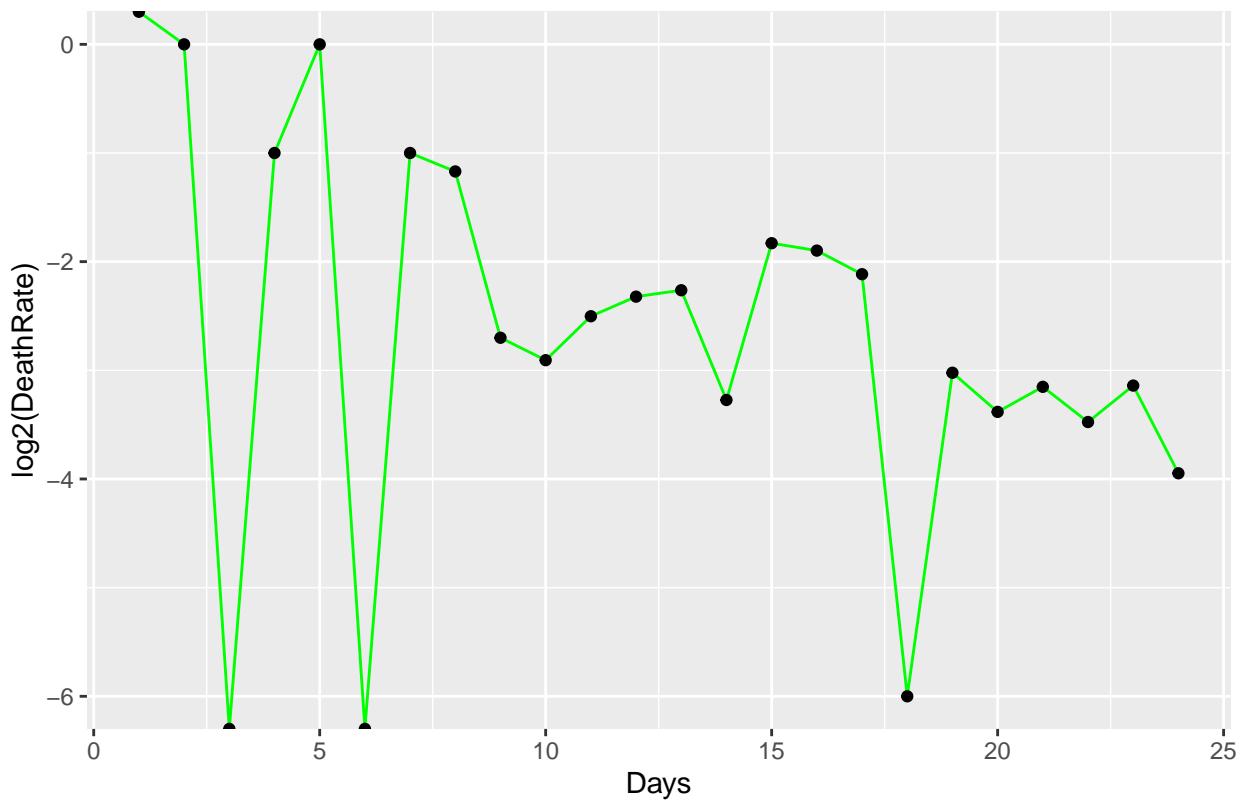
## Doubling Rate in days



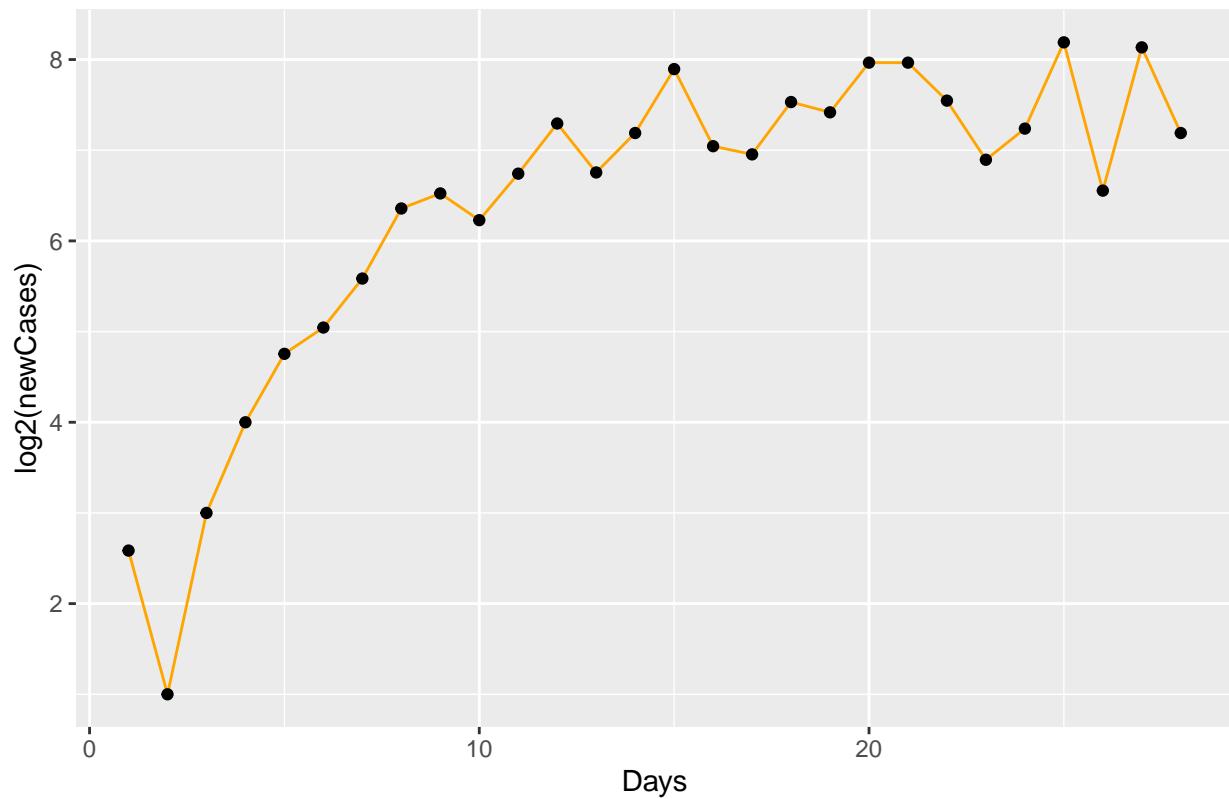
## Doubling Rate vs Growth Rate



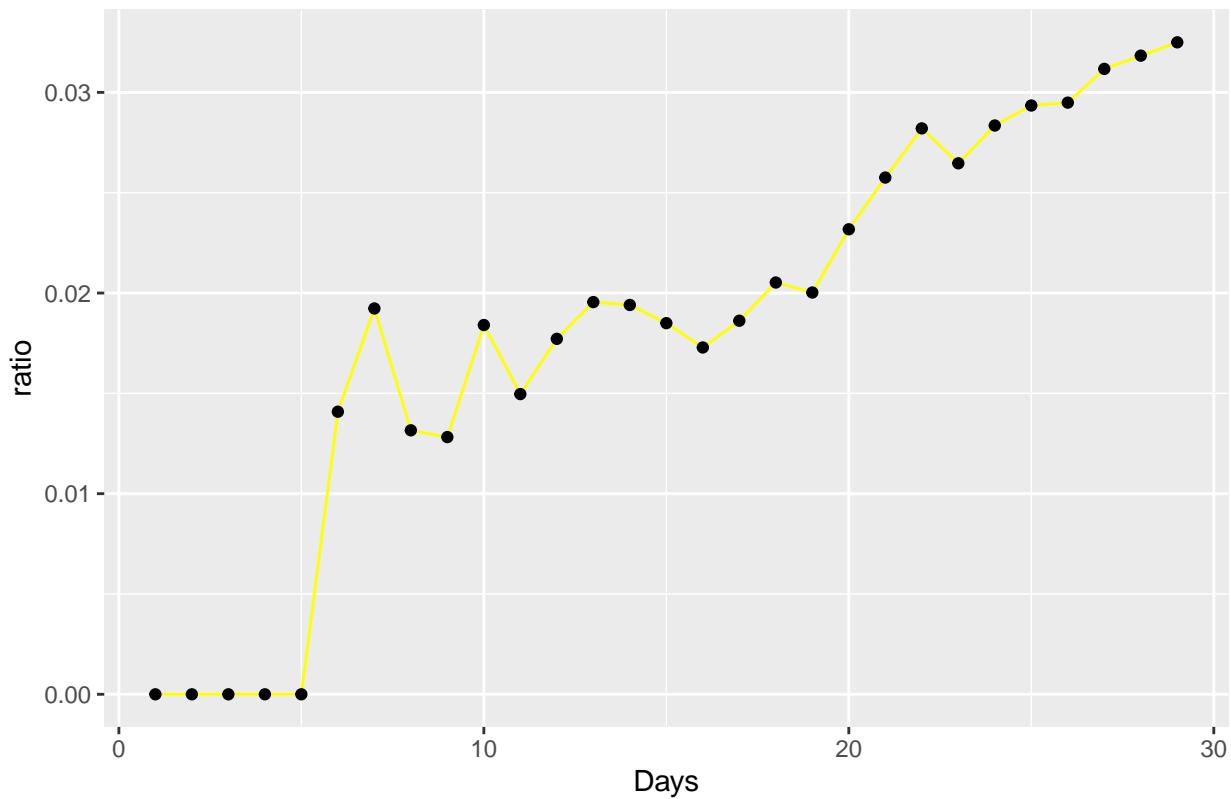
### Arizona: Daily Death Rate



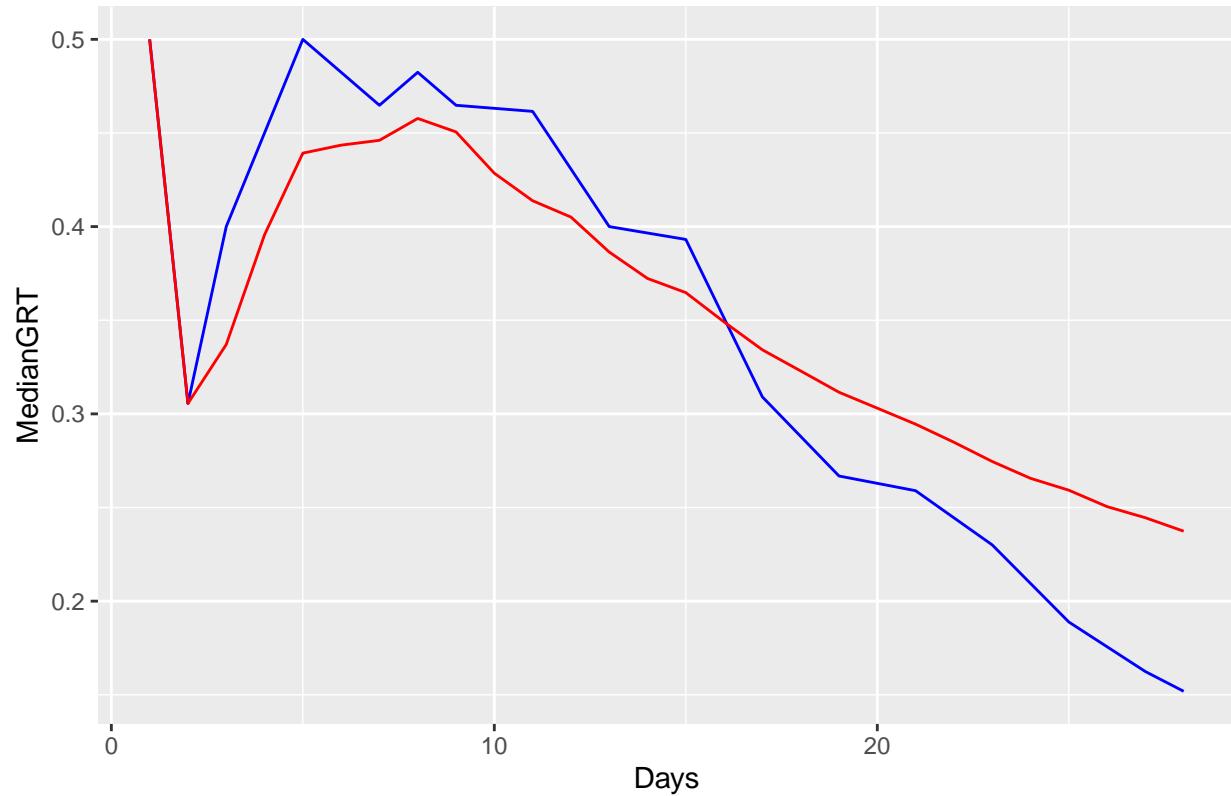
Arizona:newCases(Orange)



### Arizona: TotalDeaths/TotalCases



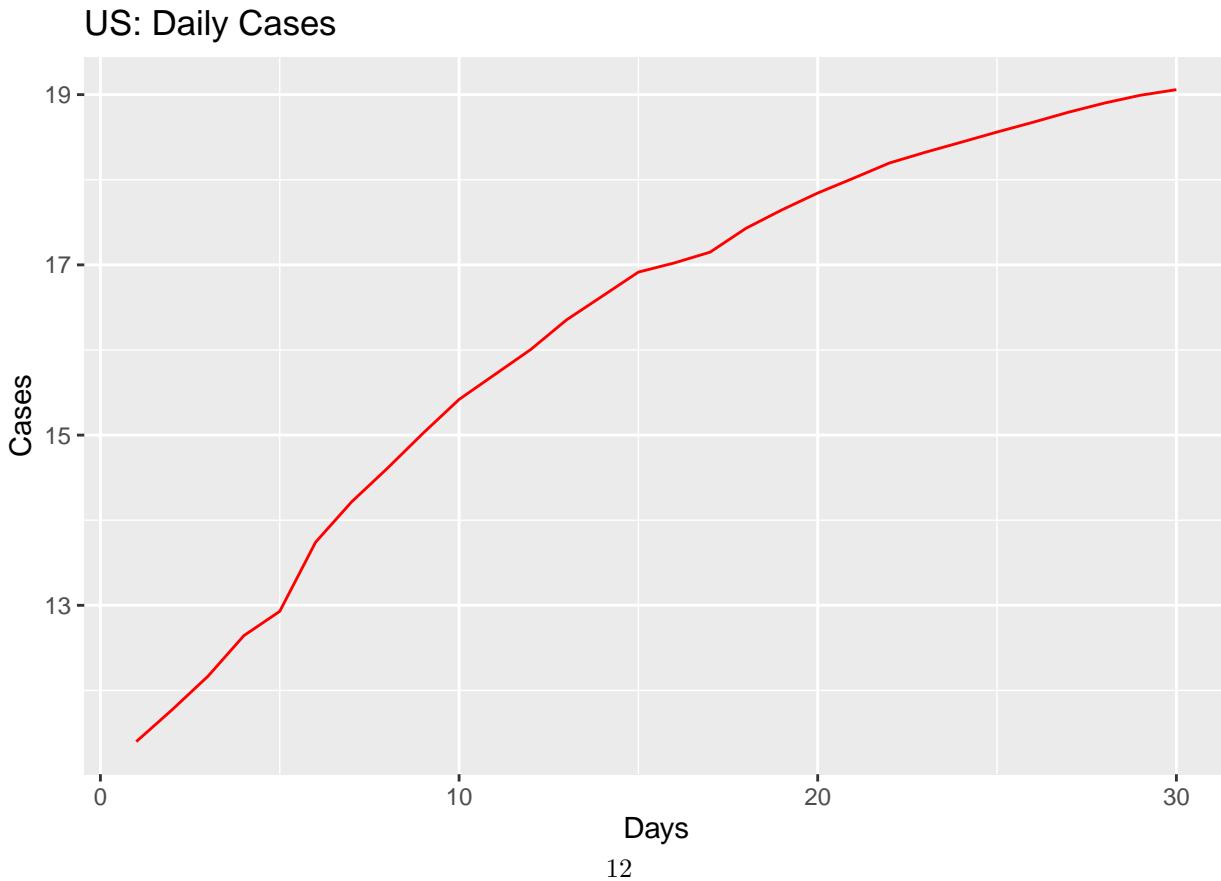
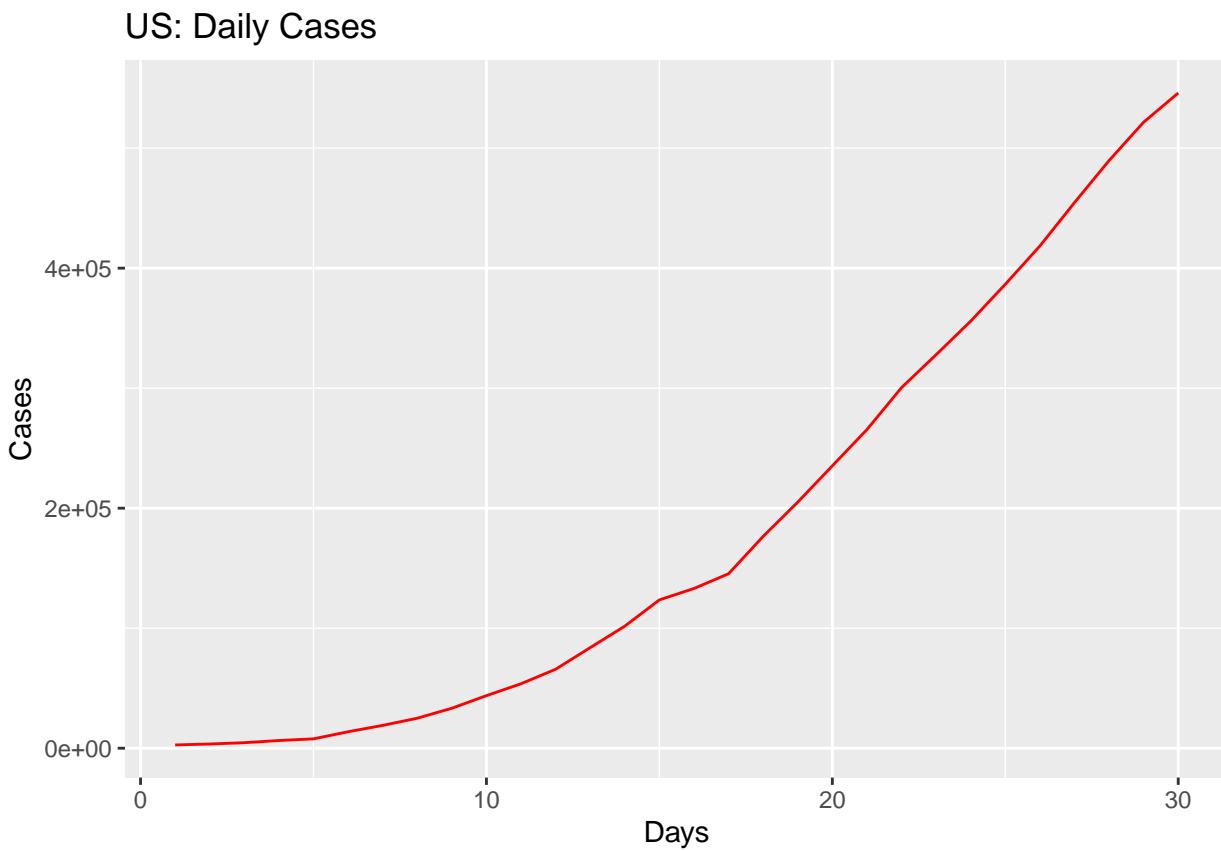
### Arizona Median(BLUE)VsMean(RED) Growth Rate



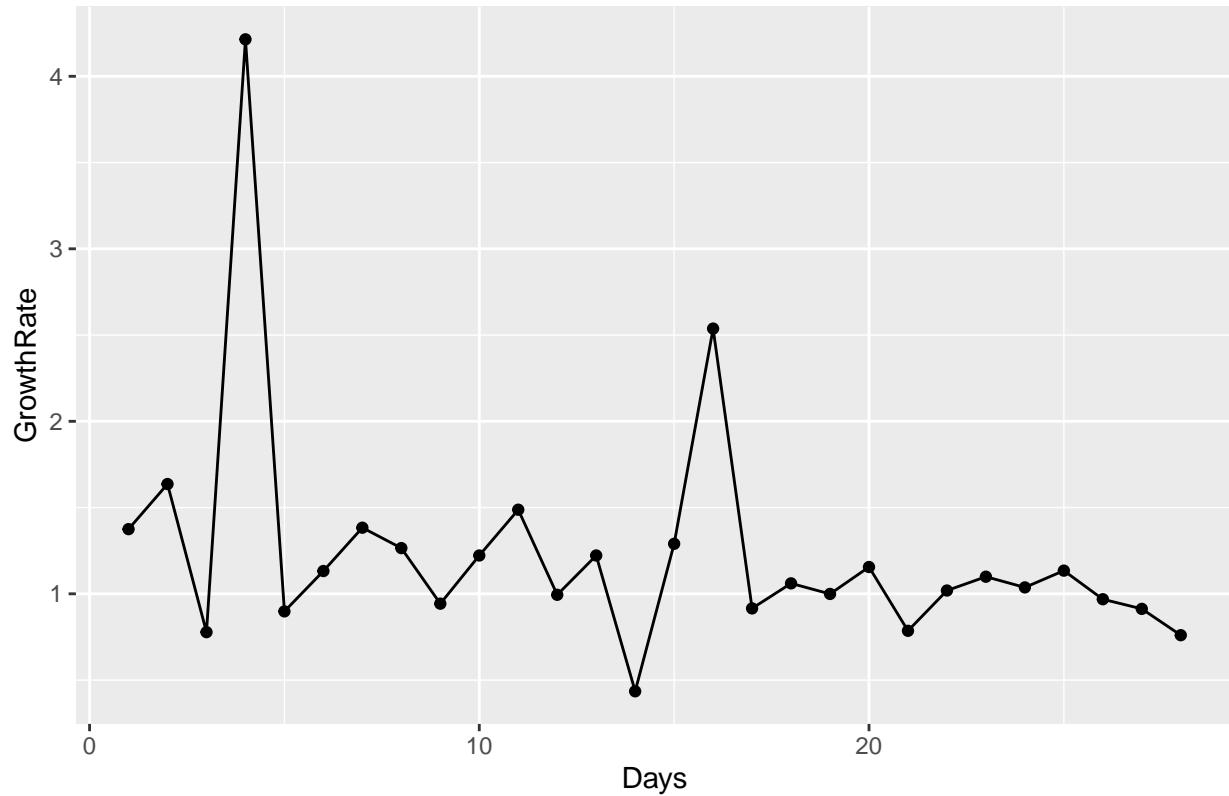
#### Results:

- Tomorrows predicted case number is between **3691.282346** and **4378.9832526** cases.
- Current doubling rate is **16 days**
- Mean doubling rate, i.e number of cases doubles every **3 days**.
- Median doubling rate, i.e number of cases doubles every **5 days**.
- Latest Observed Growth Rate **4.3029767** percent.
- Mean Growth Rate: **23.7350453** percent.
- Median Growth Rate: **15.1864398** percent.
- Standard deviation: +/- **18.1827221**.

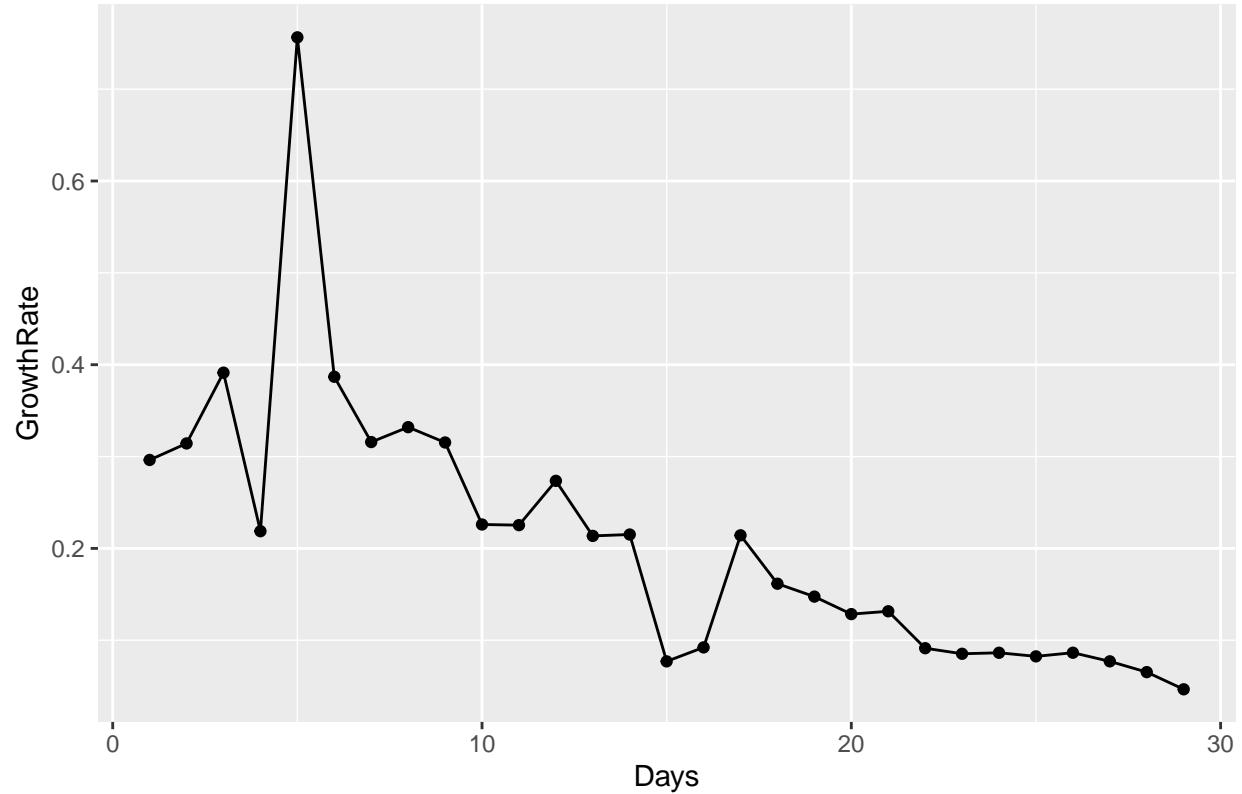
## US Corona Dashboard



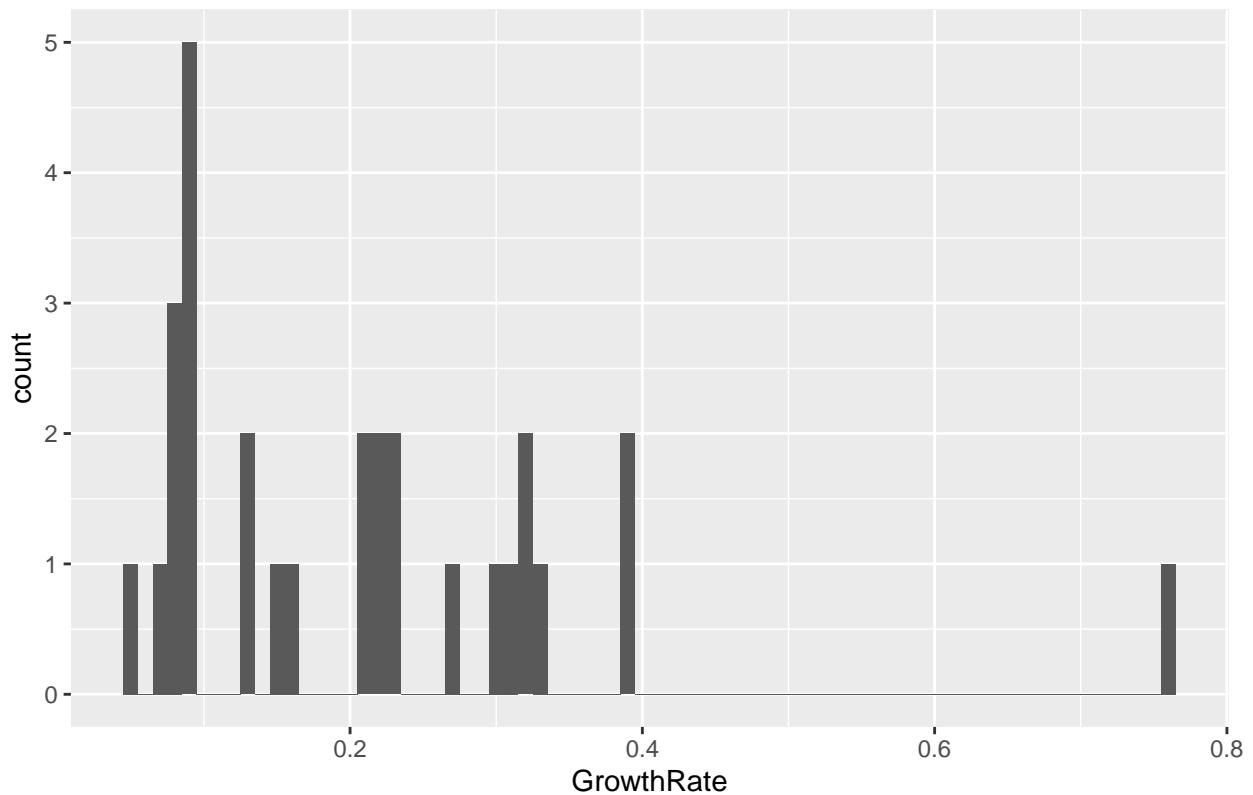
### US: Rate of change in Growth Rate



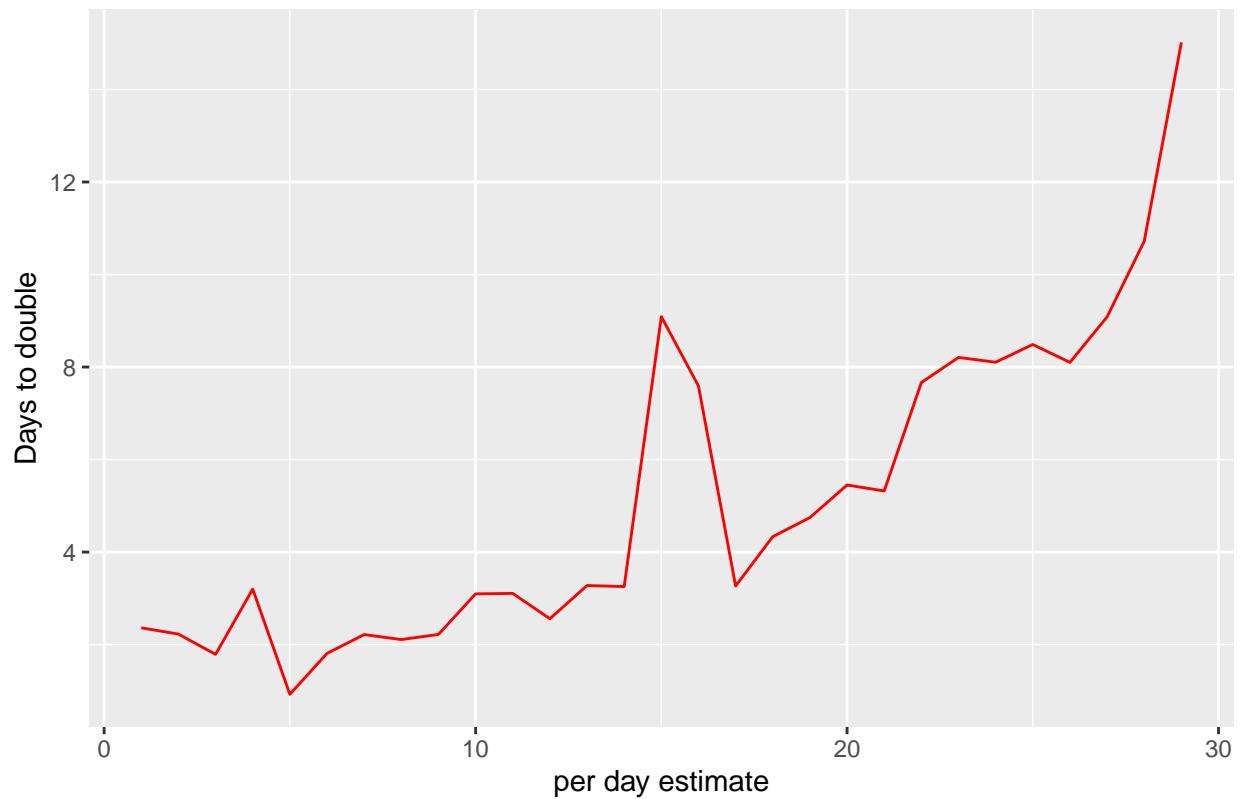
## US: Growth Rate



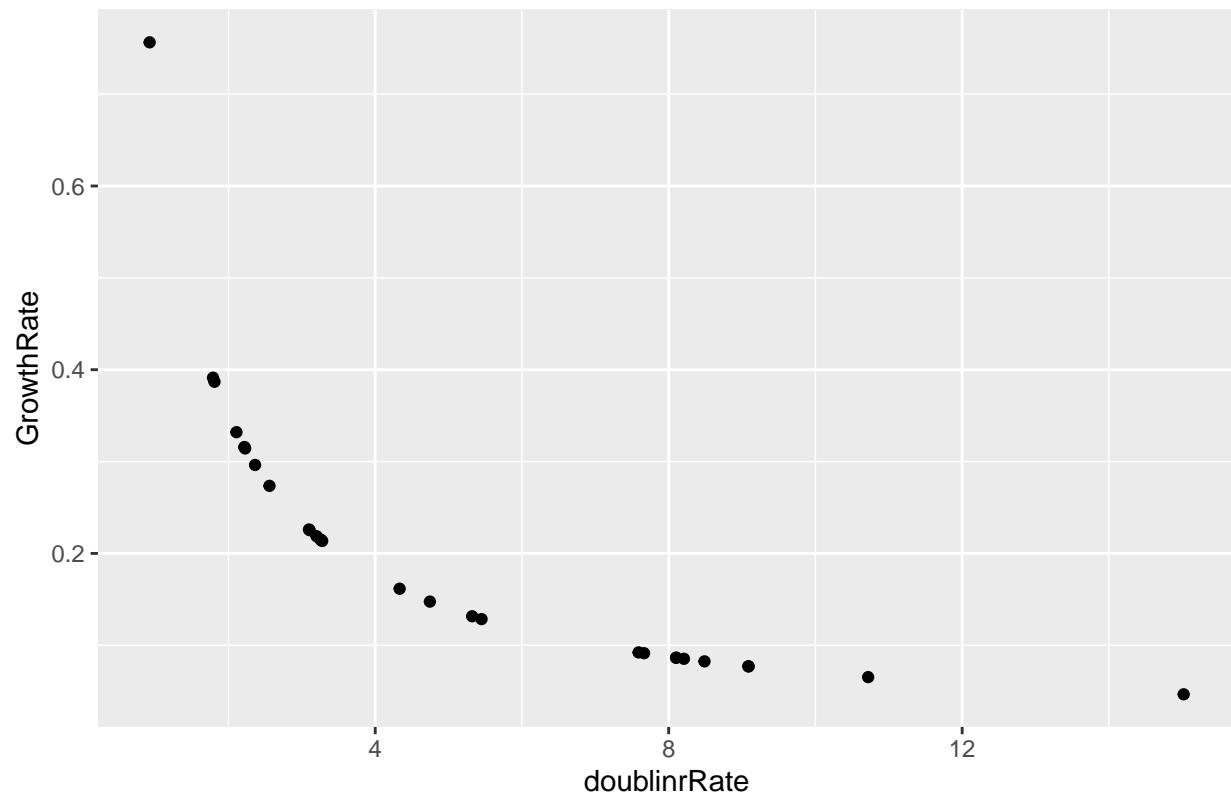
Histogram of GrowthRate



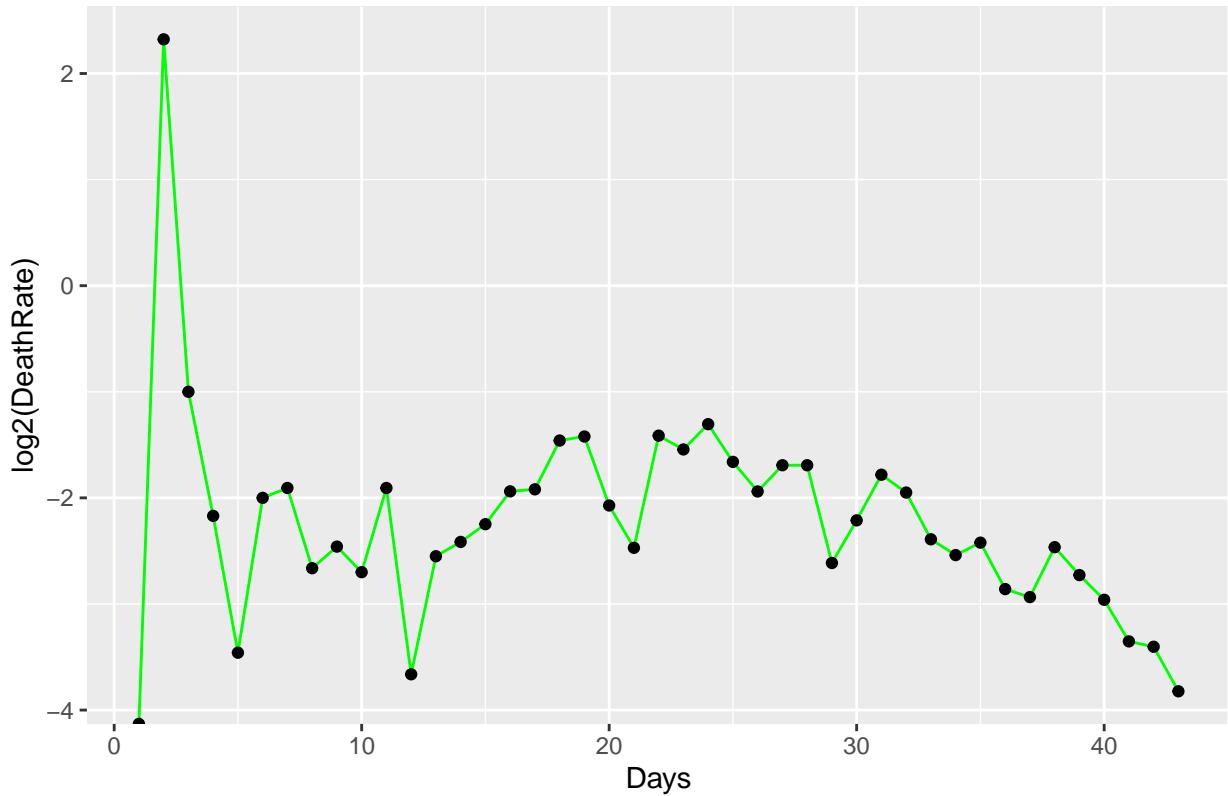
## Doubling Rate in days



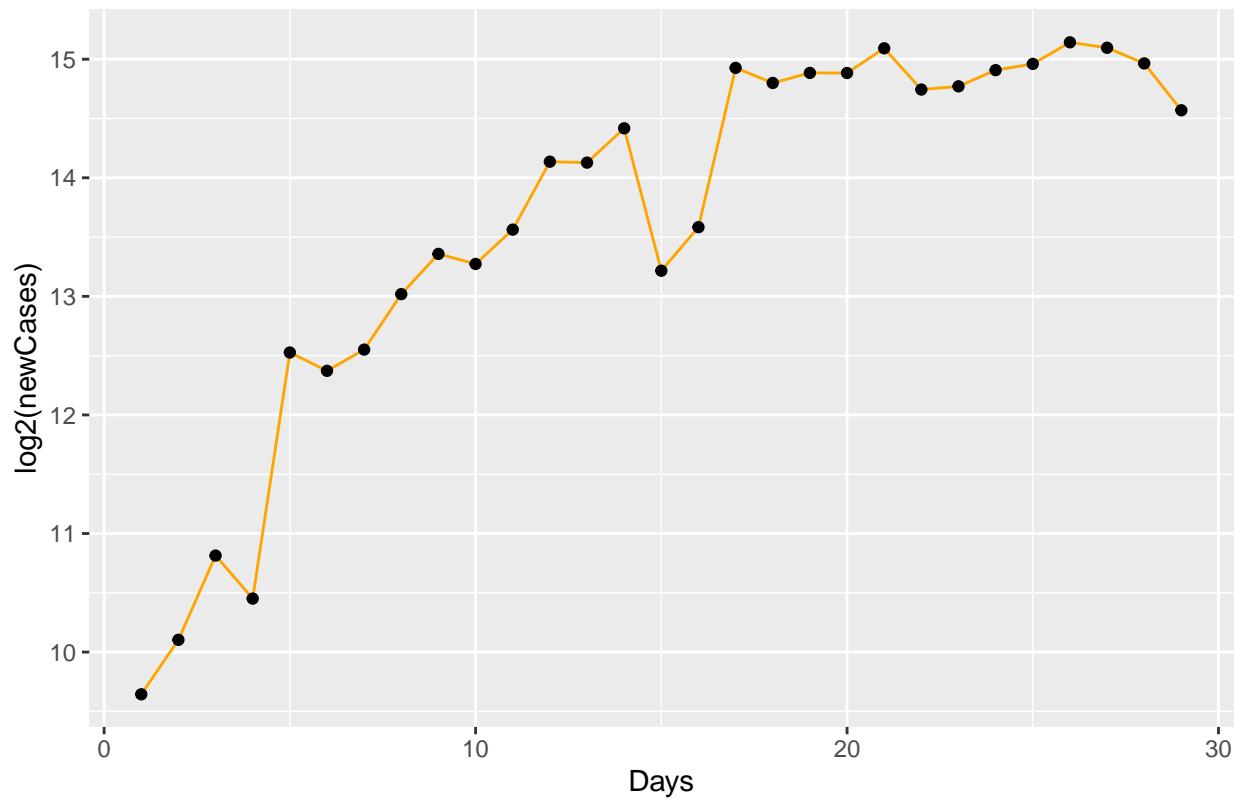
## Doubling Rate vs Growth Rate



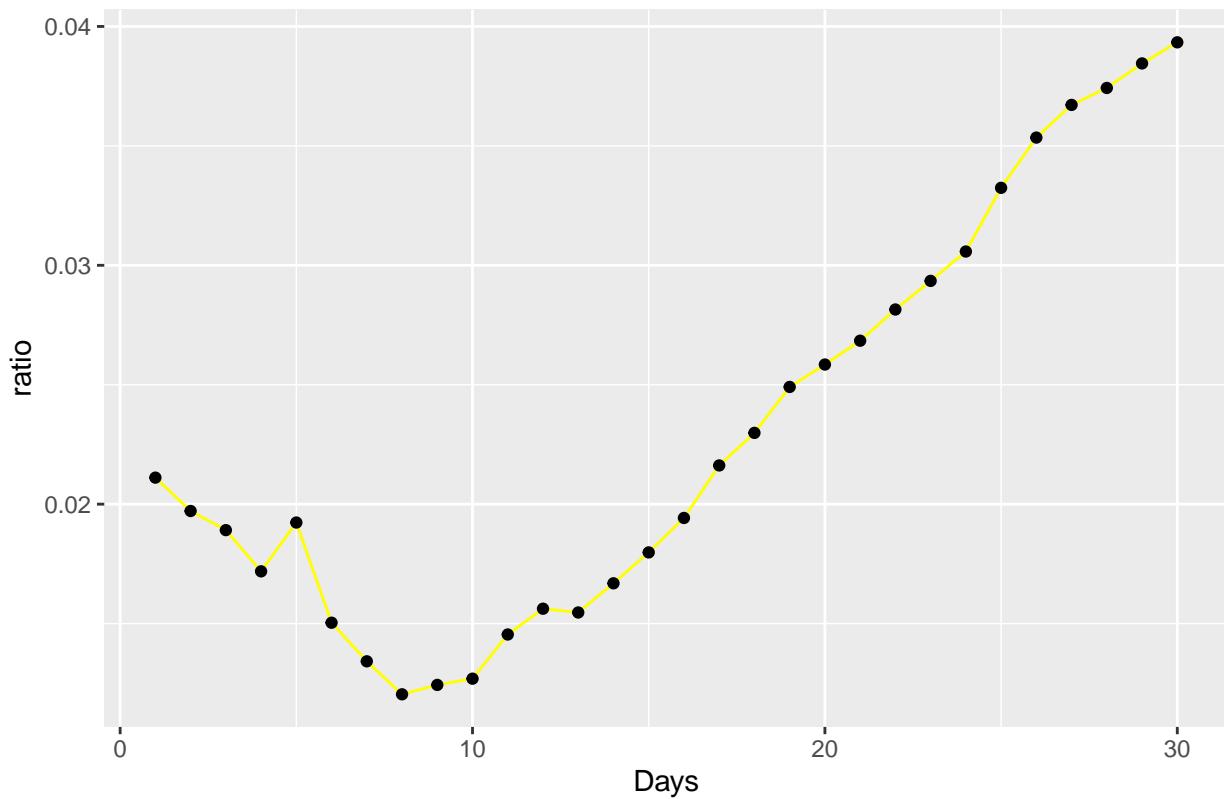
### US: Daily Death Rate



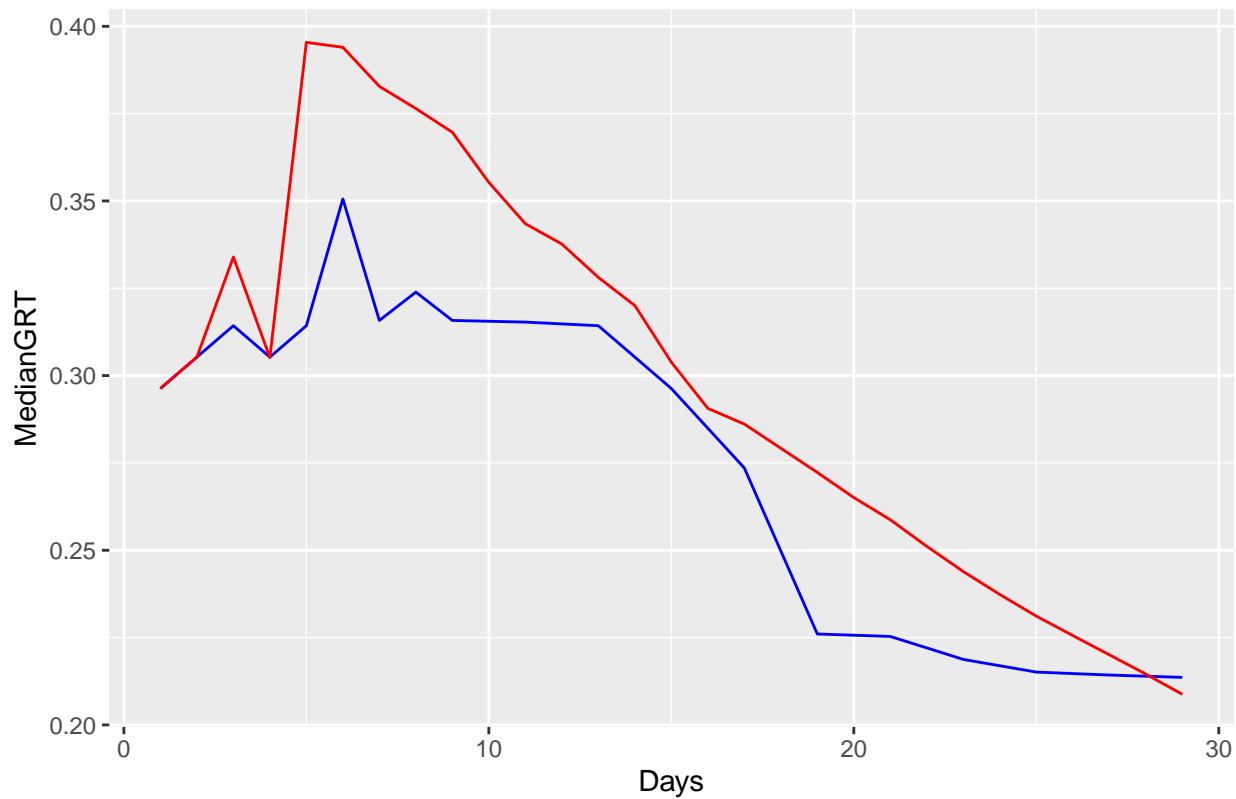
US:newCases(Orange)



### US: TotalDeaths/TotalCases



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

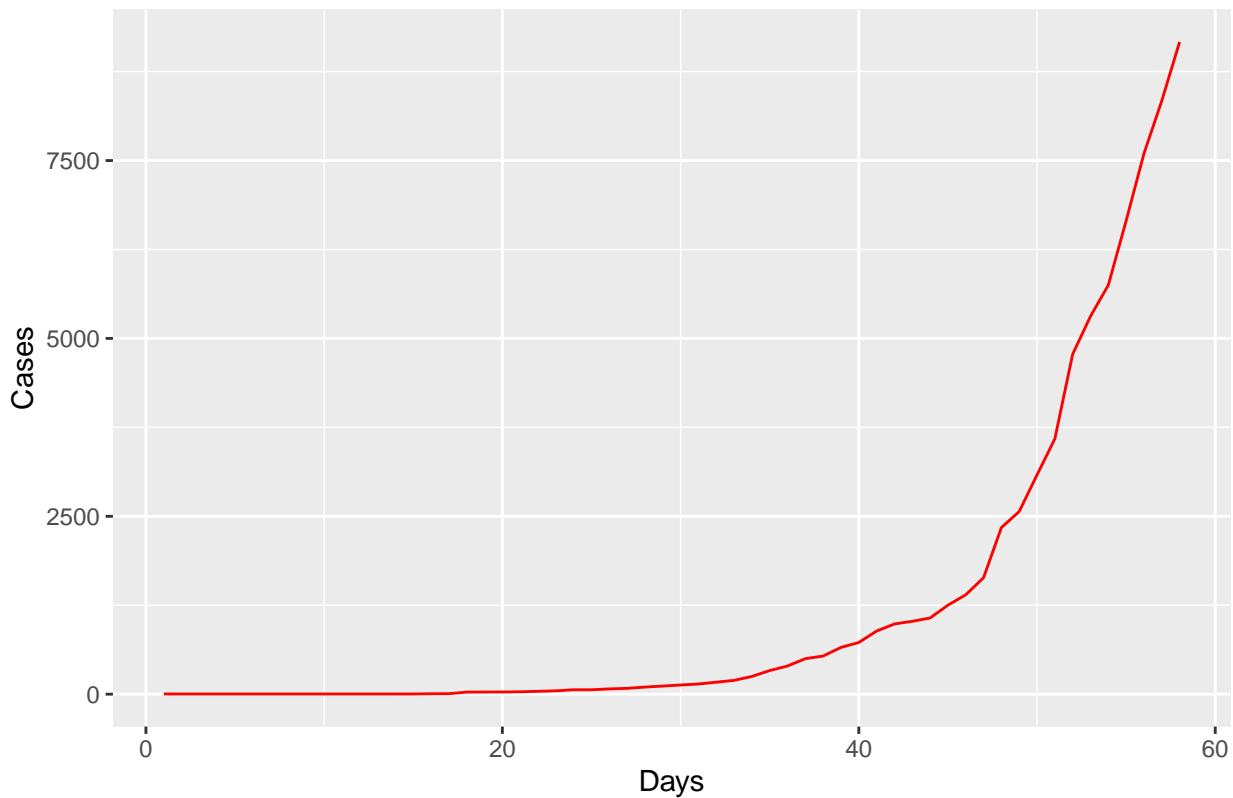


#### Results:

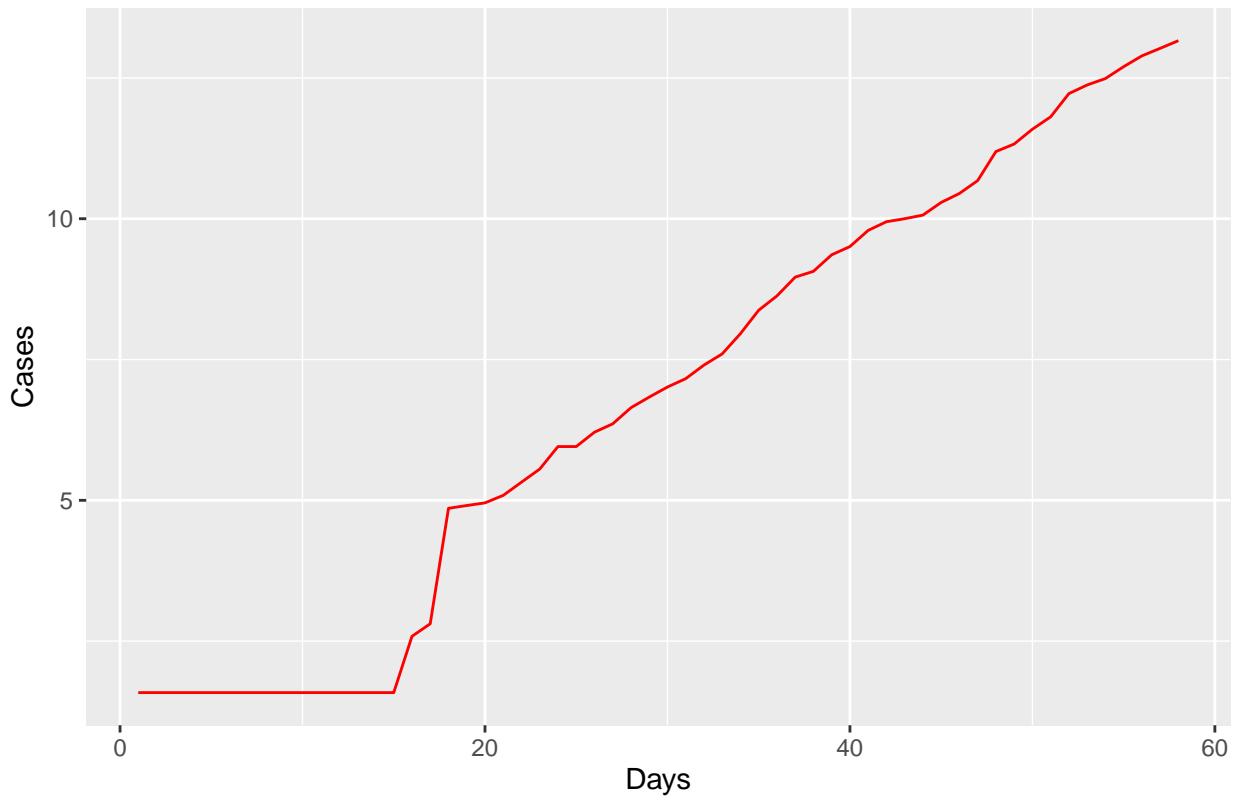
- Tomorrows predicted case number is between  $5.7137805 \times 10^5$  and  $6.599042 \times 10^5$  cases.
- Current doubling rate is **15 days**
- Mean doubling rate, i.e number of cases doubles every **3 days**.
- Median doubling rate, i.e number of cases doubles every **3 days**.
- Latest Observed Growth Rate **4.6606457** percent.
- Mean Growth Rate: **20.8761864** percent.
- Median Growth Rate: **21.3603819** percent.
- Standard deviation: +/- **14.8227484**.

## India Corona Dashboard

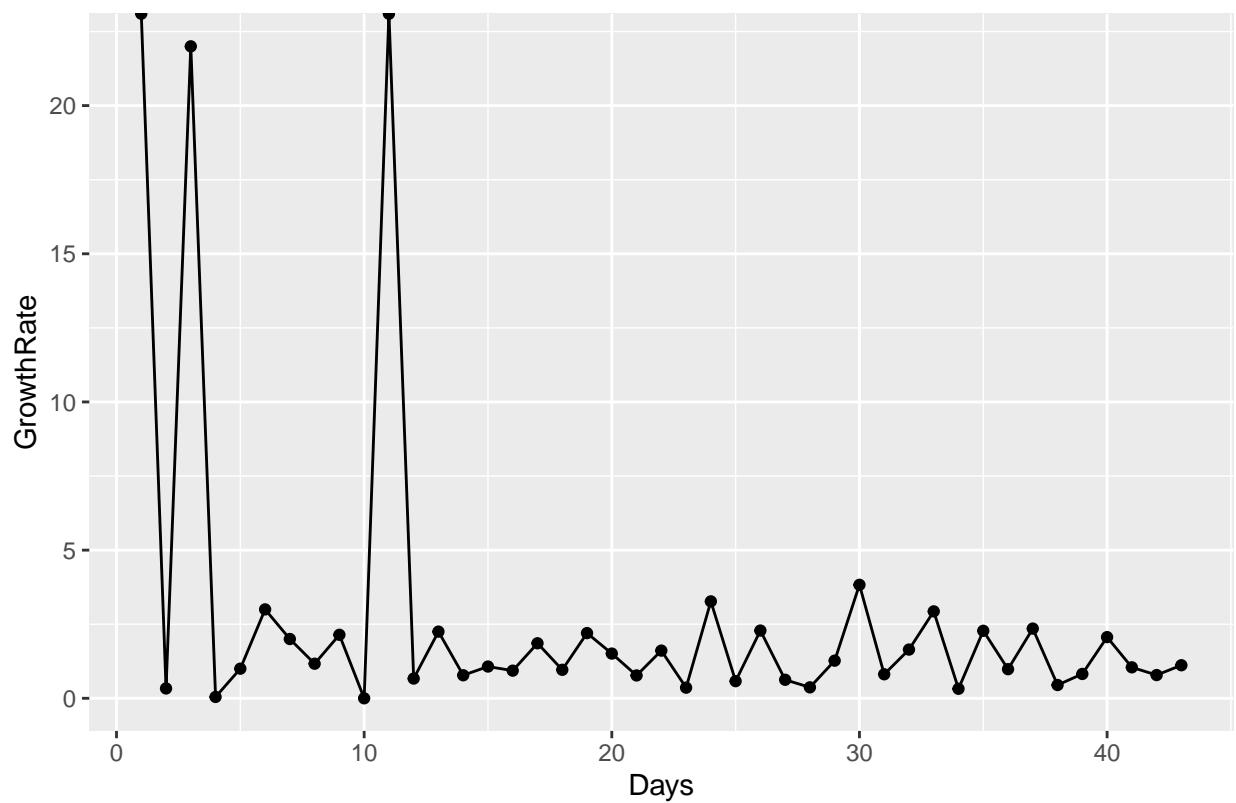
### India: Daily Cases



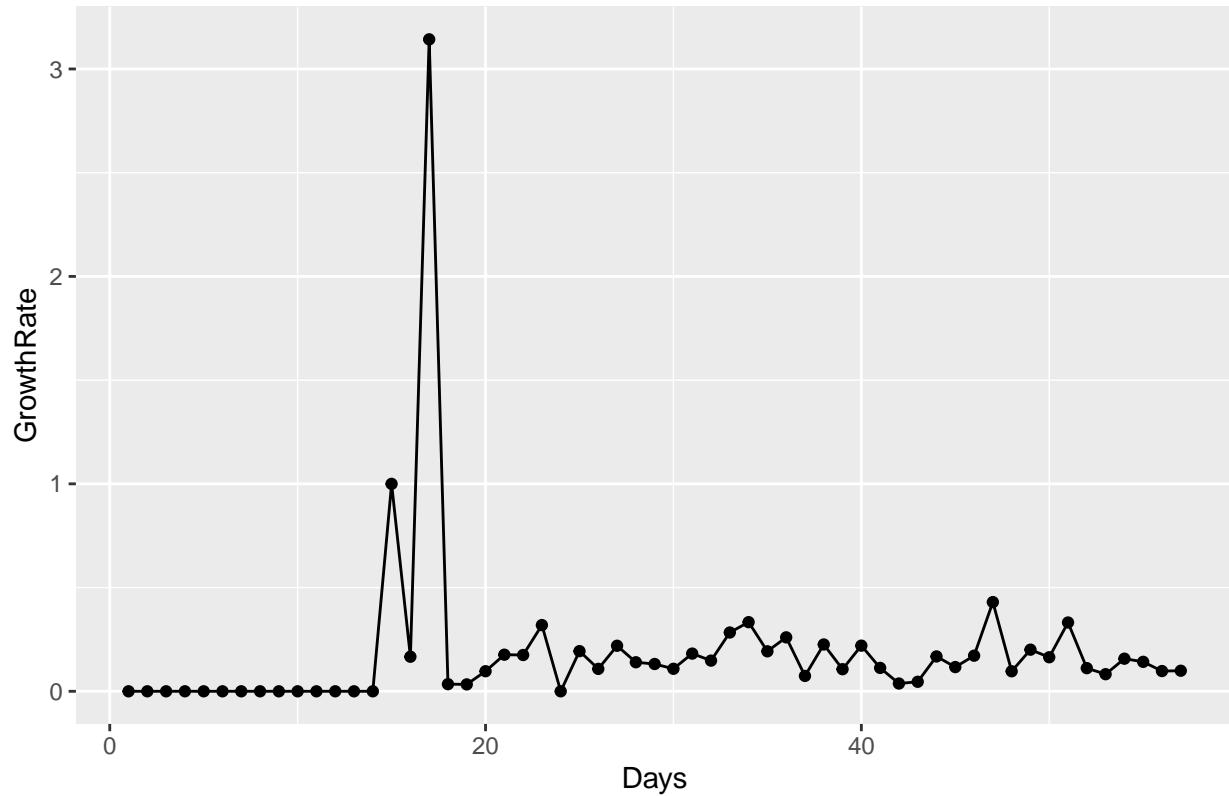
### India: Daily Cases



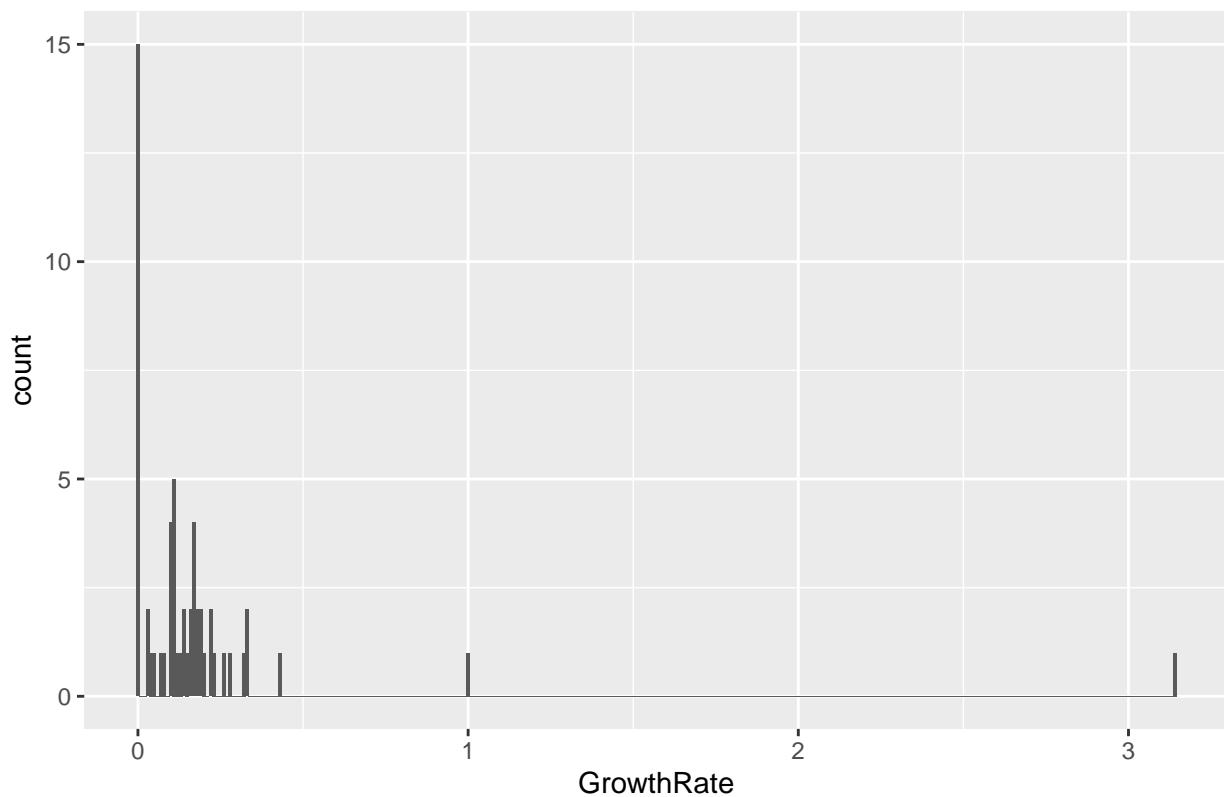
### US: Rate of change in Growth Rate

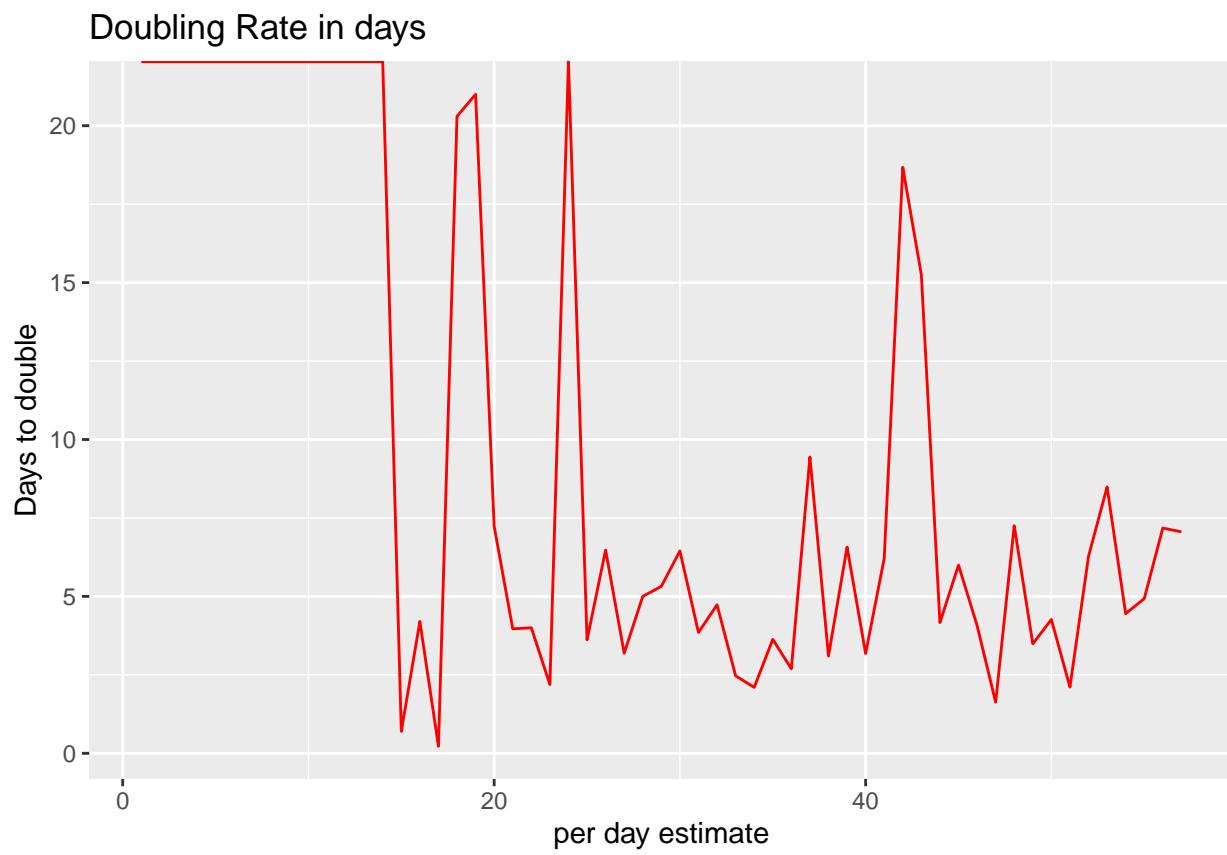


## India: Growth Rate

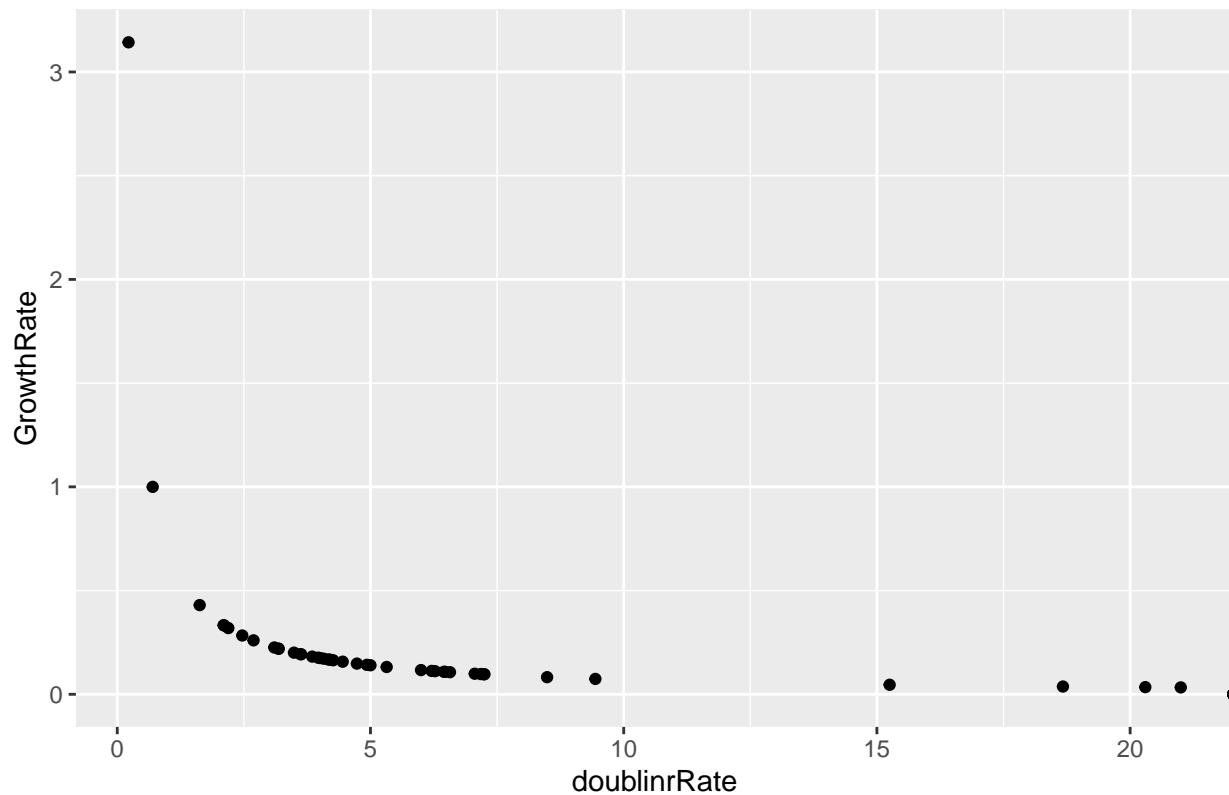


Histogram of GrowthRate

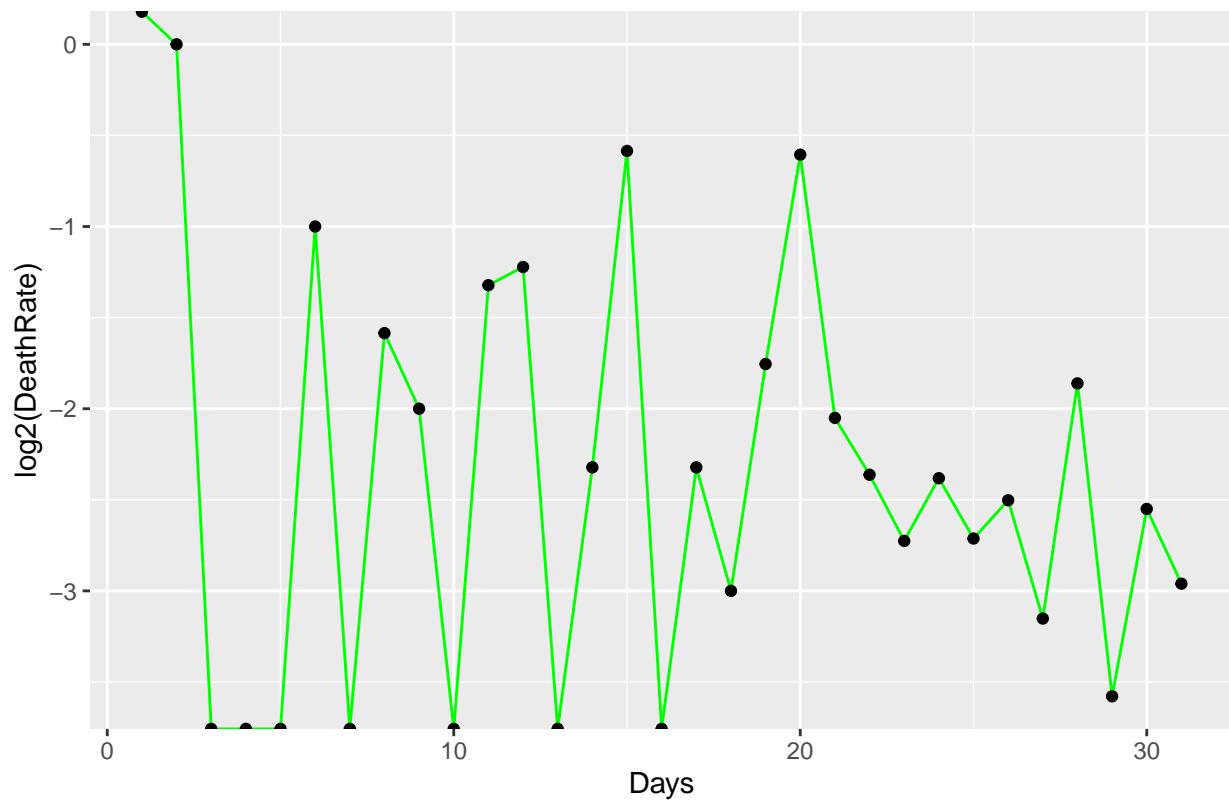




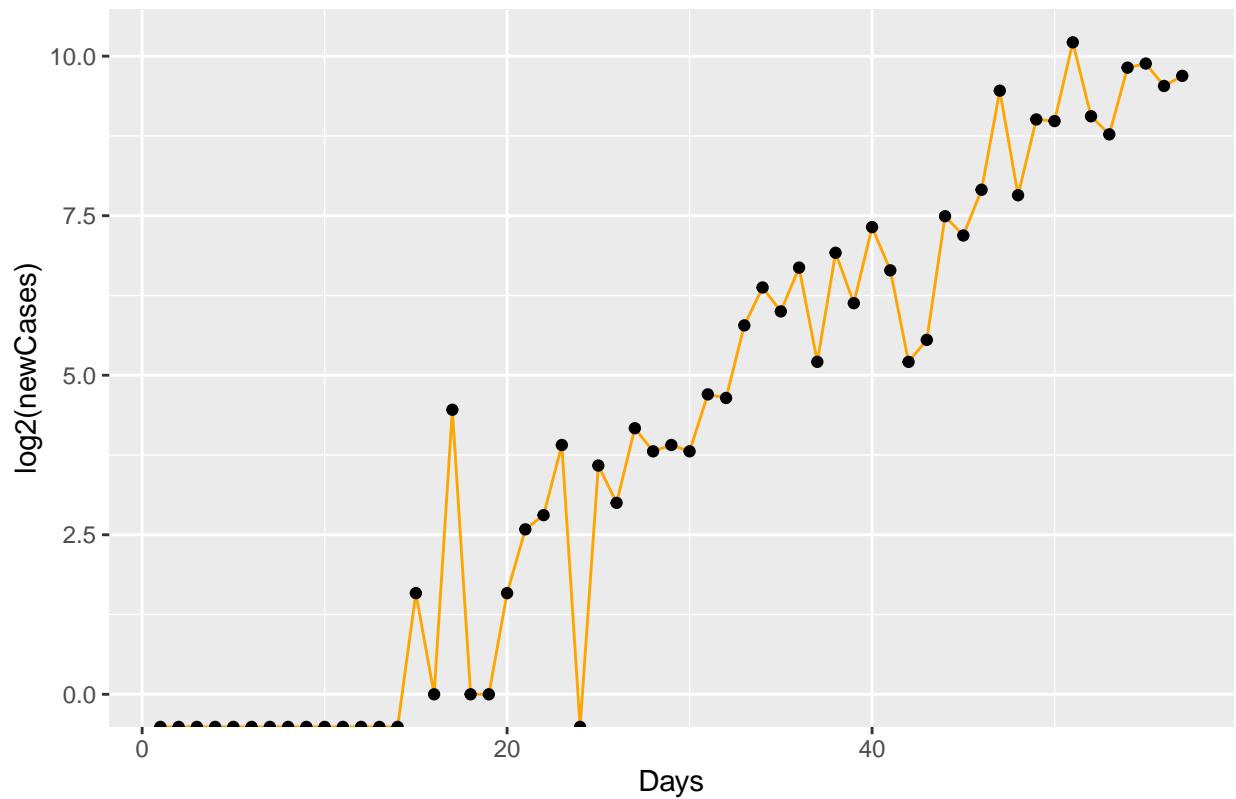
## Doubling Rate vs Growth Rate



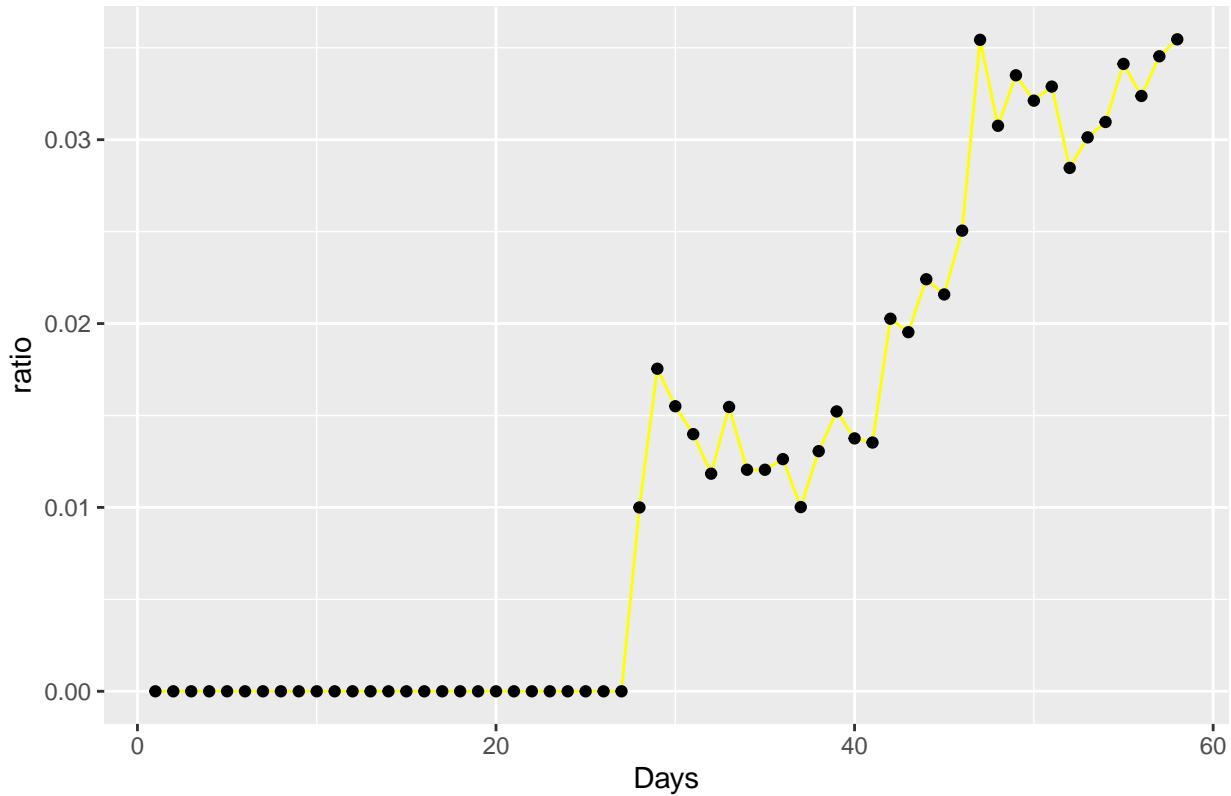
### India: Daily Death Rate



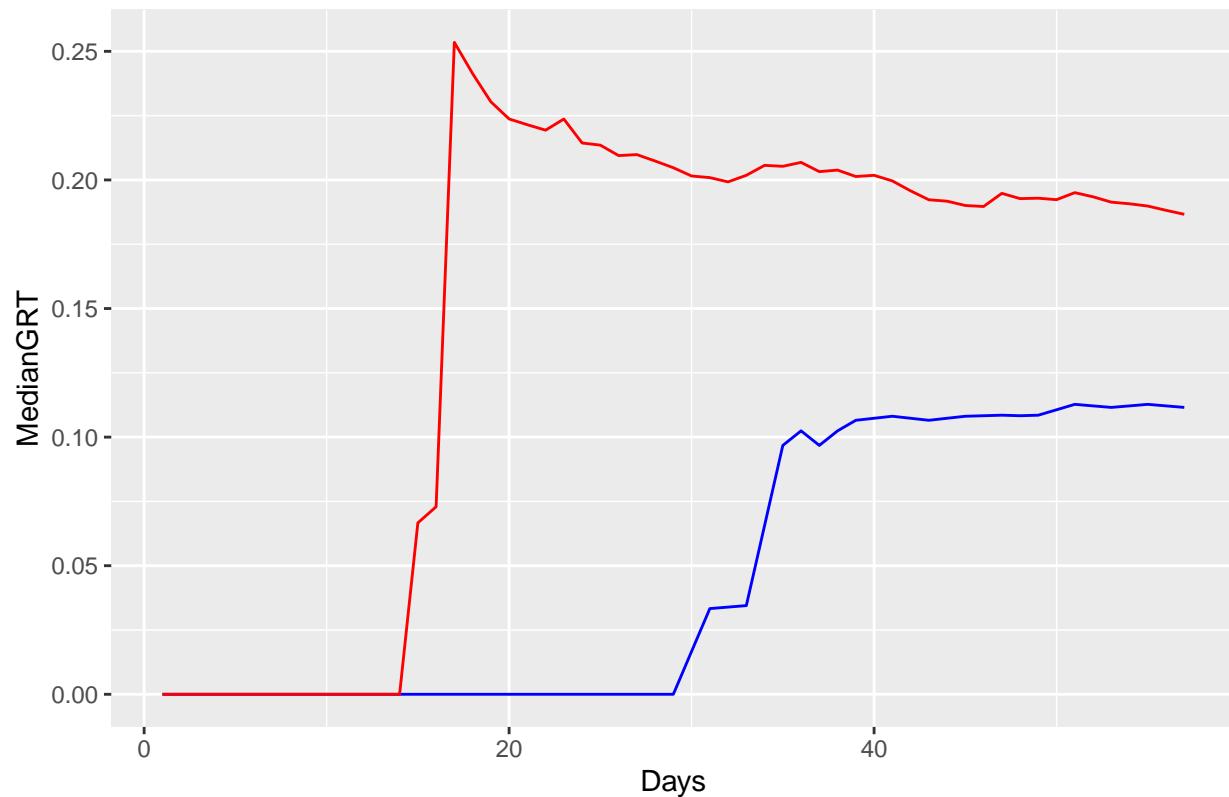
India:newCases(Orange)



### India: TotalDeaths/TotalCases



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



#### Results:

- Tomorrows predicted case number is between  $1.0075016 \times 10^4$  and  $1.0876625 \times 10^4$  cases.
- Current doubling rate is **7 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 **9.9172563** percent.
- Mean Growth Rate: **18.6627191** percent.
- Median Growth Rate: **11.1552951** percent.
- Standard deviation: +/- **42.785604**.