

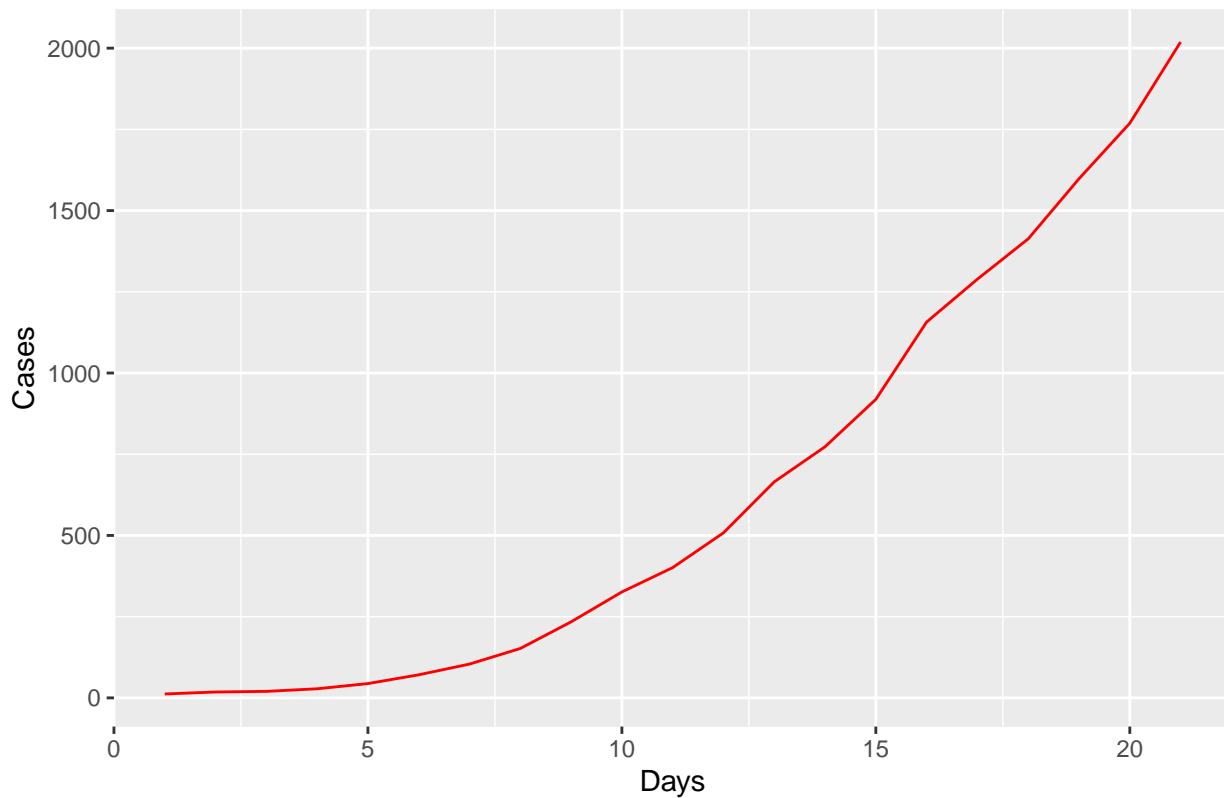
# Arizona/US/India Corona Trends- 4th April 2020 with tomorrow's prediction

Whitchurch Muthumani

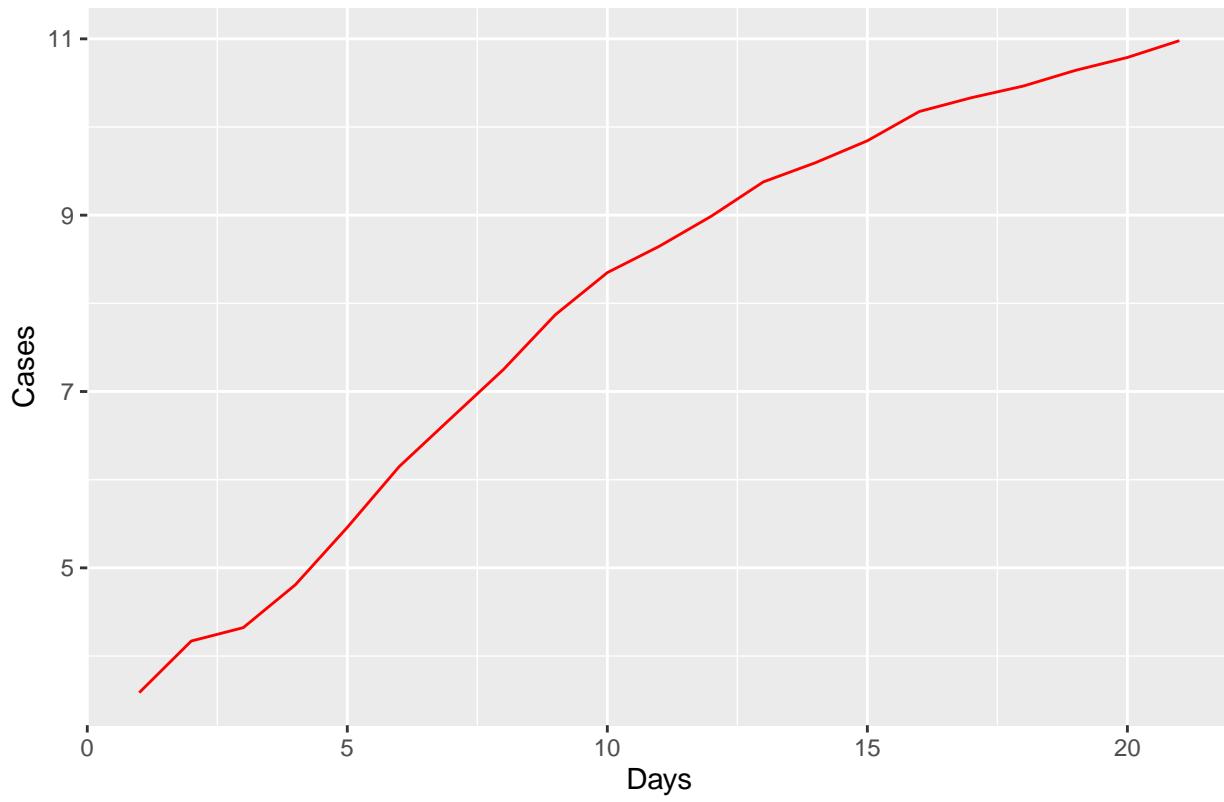
4/4/2020

## Arizona Corona Dashboard

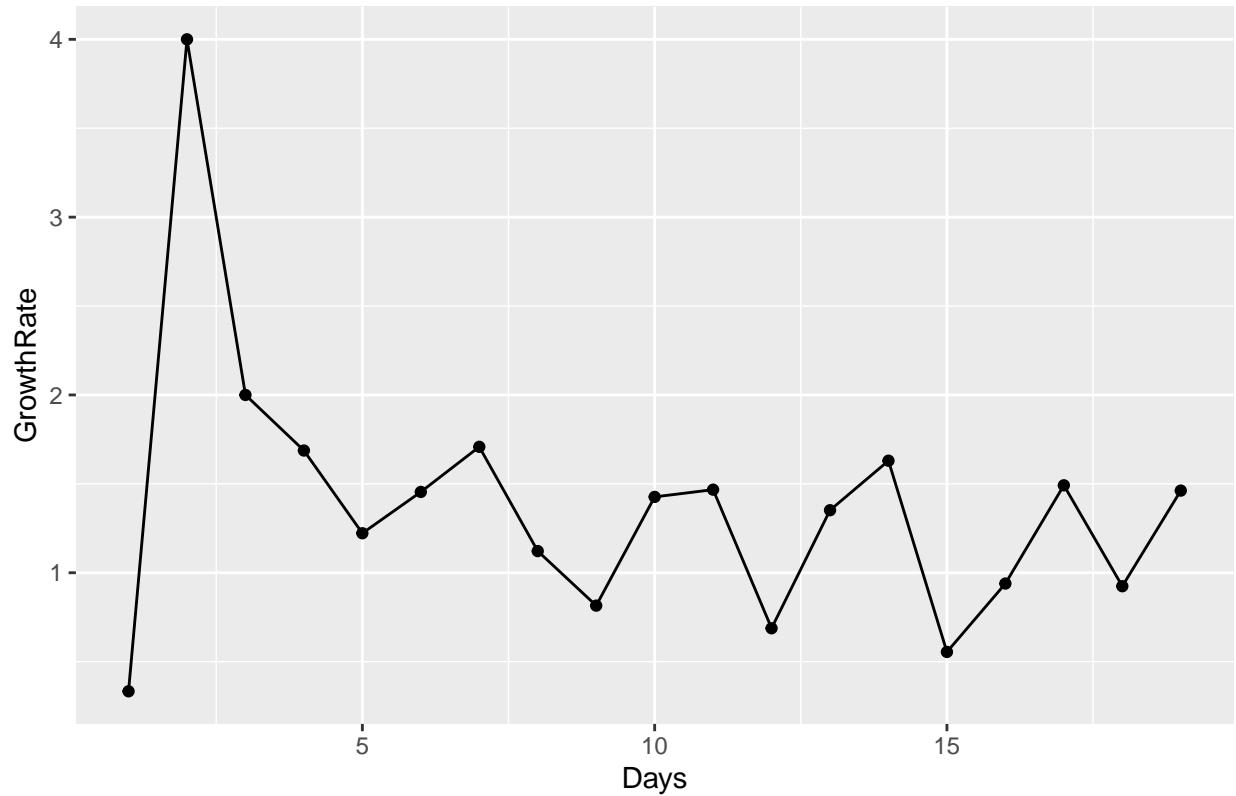
### Arizona: Daily Cases



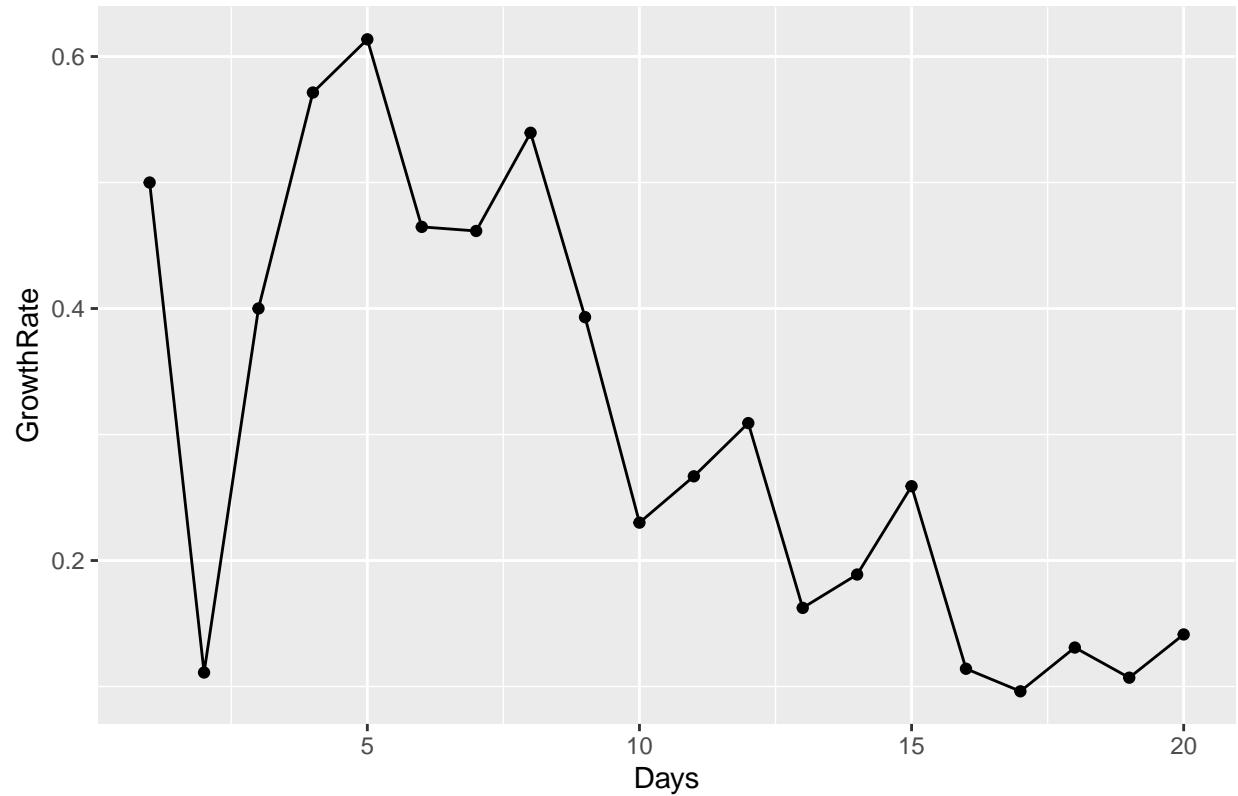
### Arizona: Daily Cases



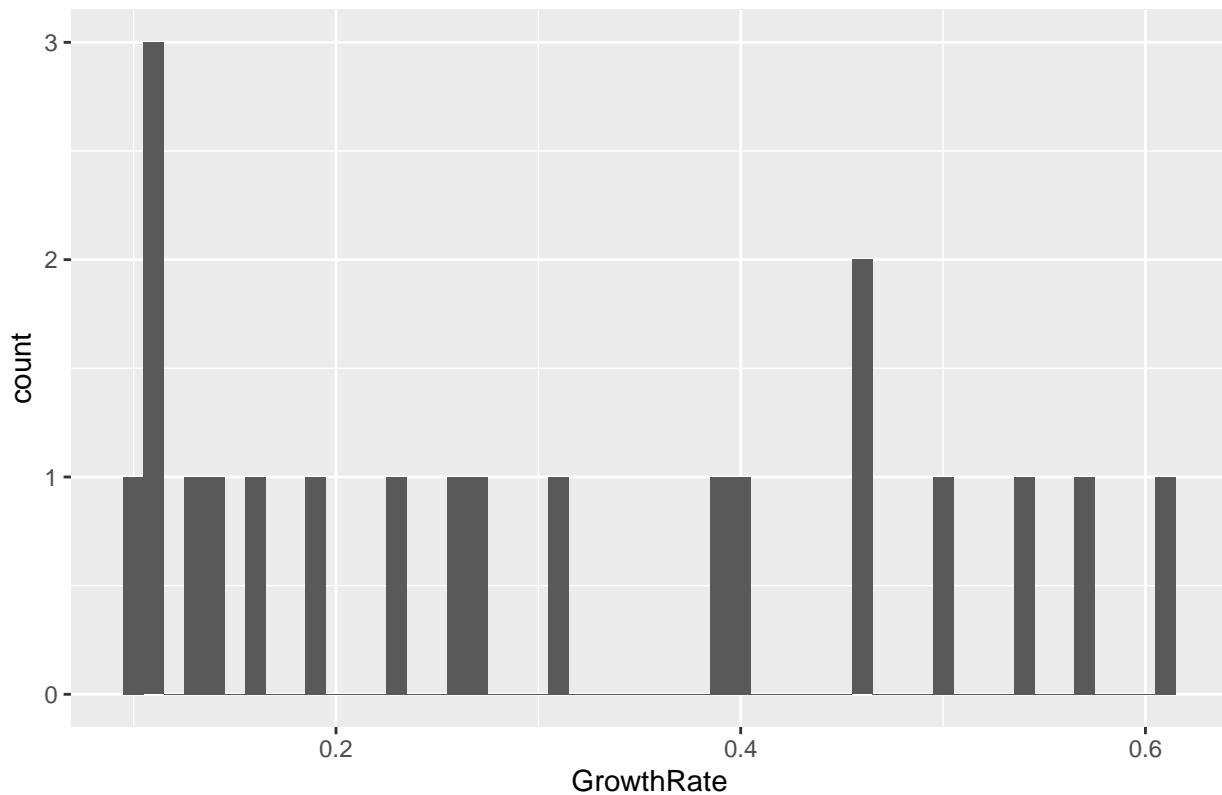
### Arizona: Rate of change in Growth Rate



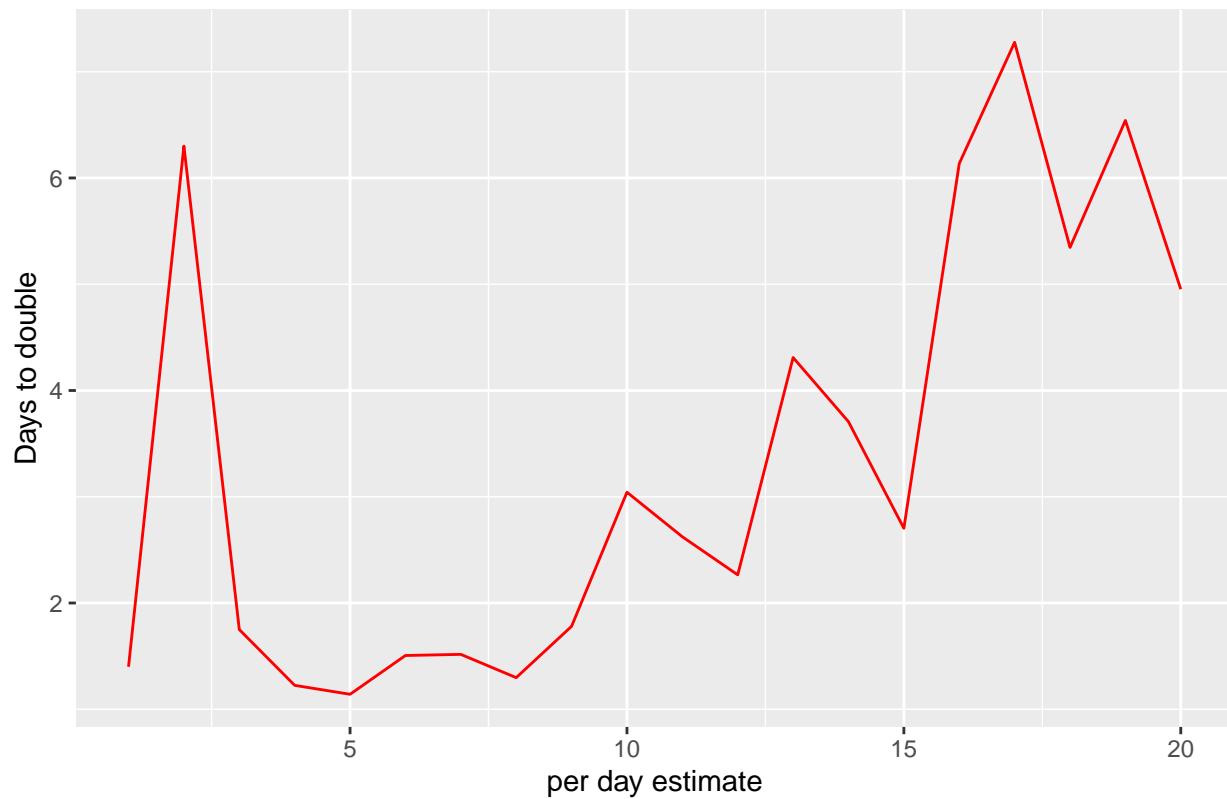
### Arizona: Growth Rate



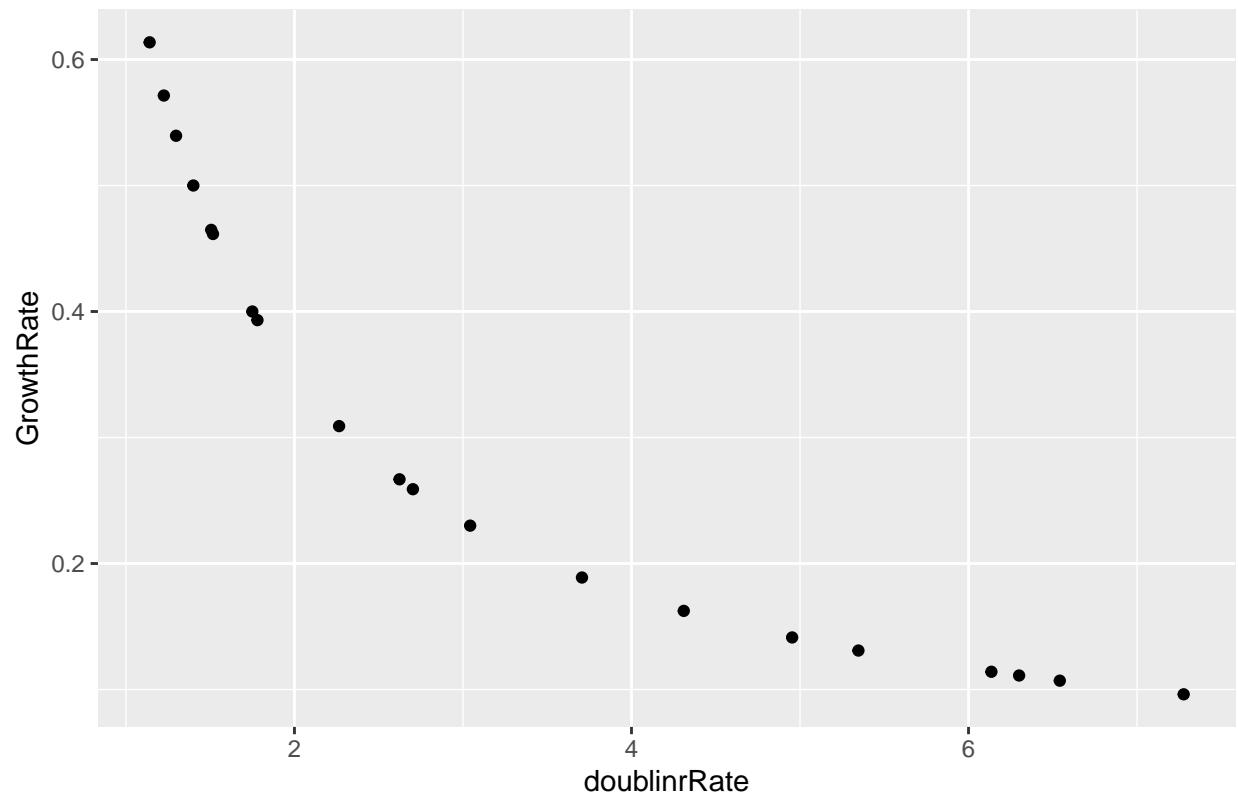
Histogram of GrowthRate



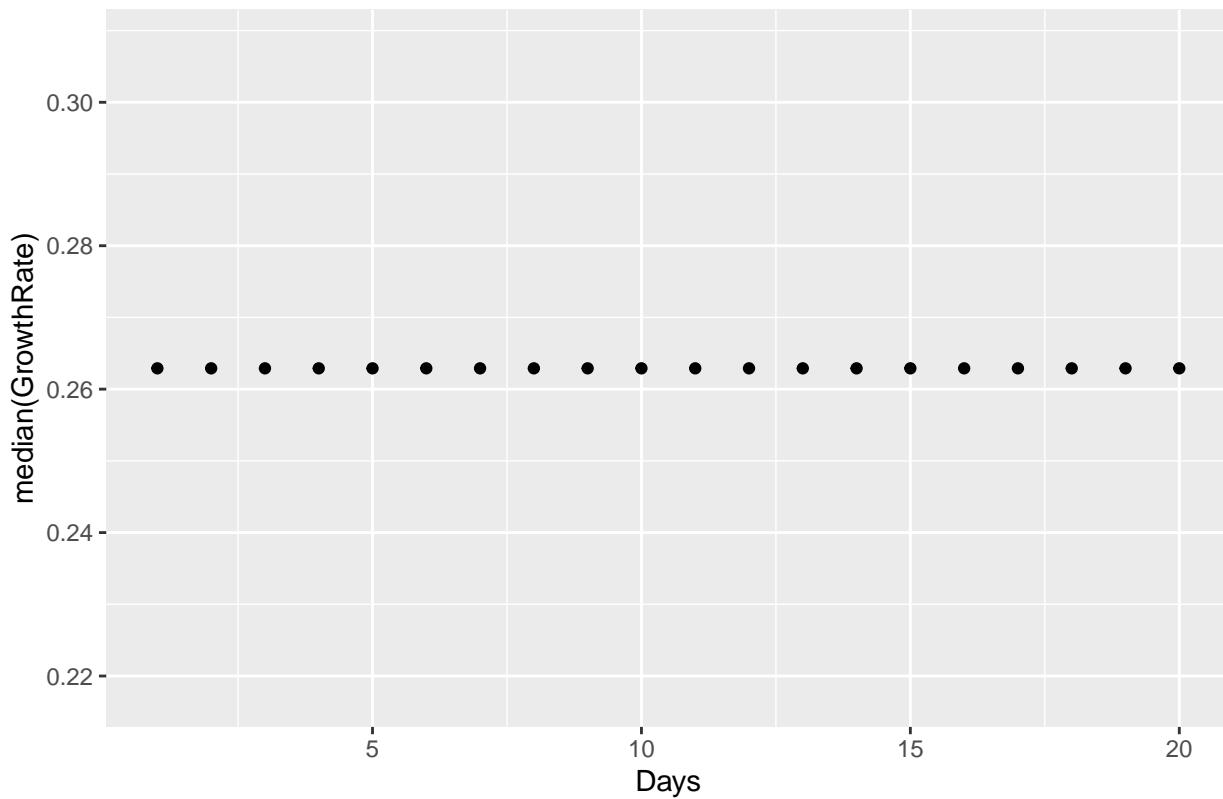
## Doubling Rate in days



## Doubling Rate vs Growth Rate



## Arizona Median Growth Rate

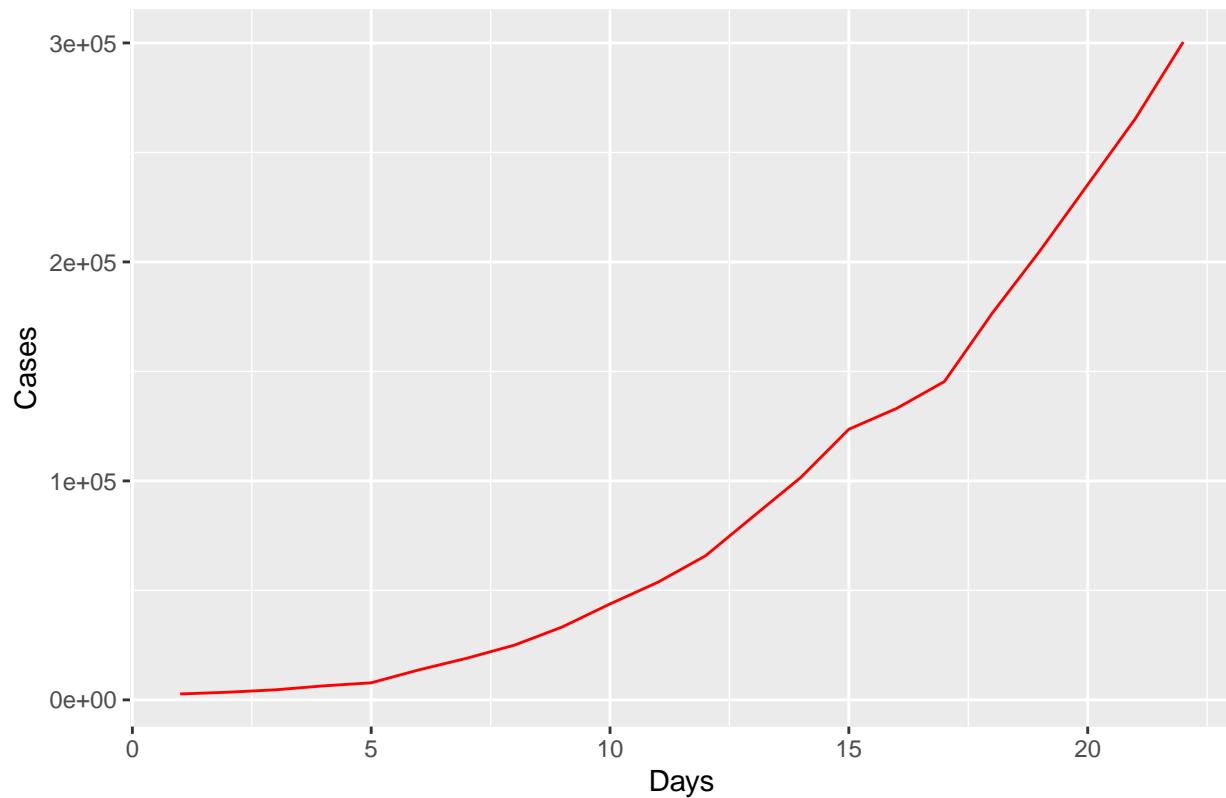


### Results:

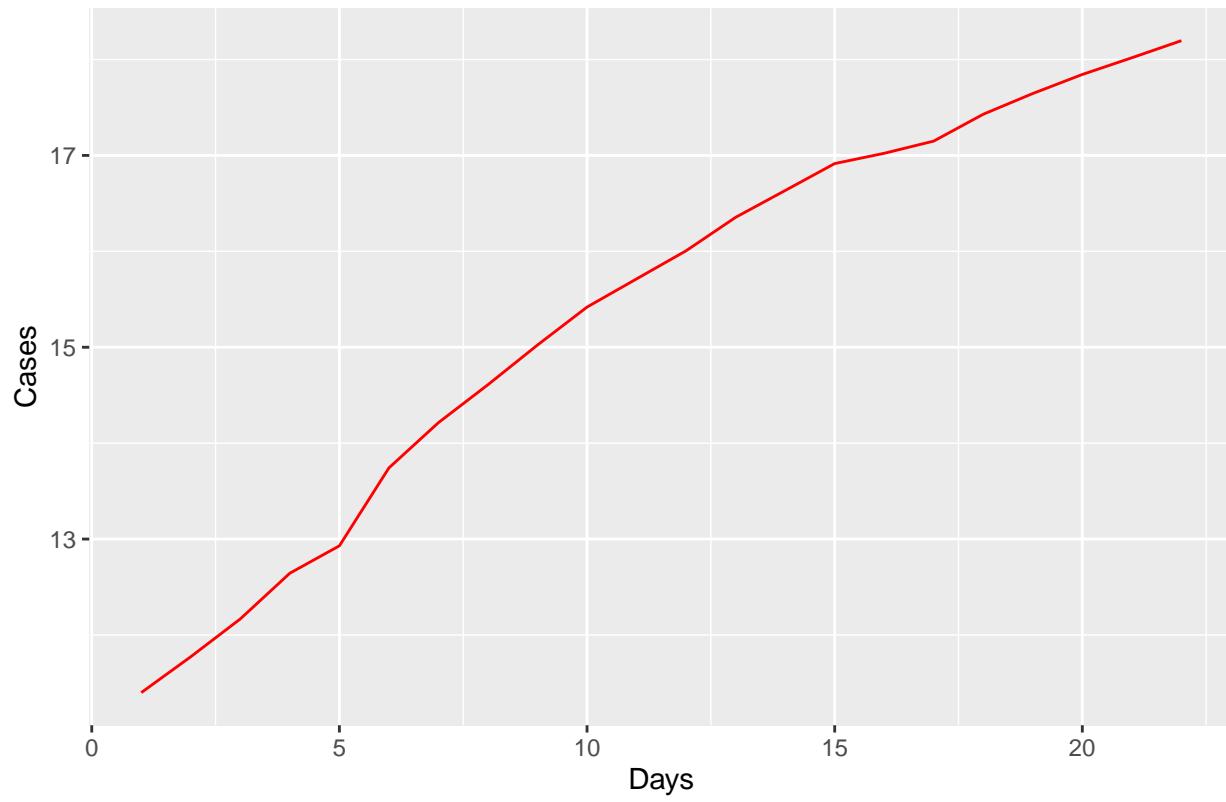
- Tomorrows predicted case number is between **2304.3306953** and **2630.8470264** cases.
- Current doubling rate is **5 days**
- Mean doubling rate, i.e number of cases doubles every **2 days**.
- Median doubling rate, i.e number of cases doubles every **3 days**.
- Latest Observed Growth Rate **14.1322781** percent.
- Mean Growth Rate: **30.304459** percent.
- Median Growth Rate: **26.2905033** percent.
- Standard deviation: +/- **17.5162631**.

## US Corona Dashboard

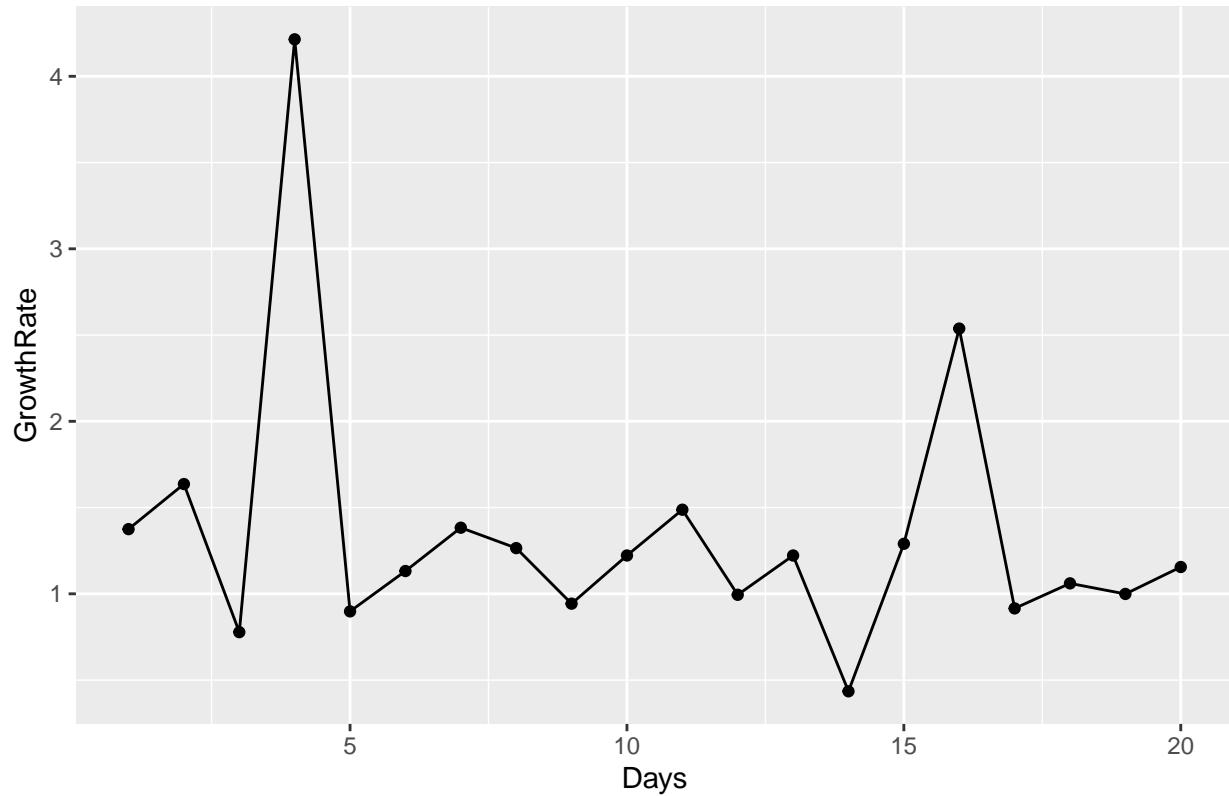
### US: Daily Cases



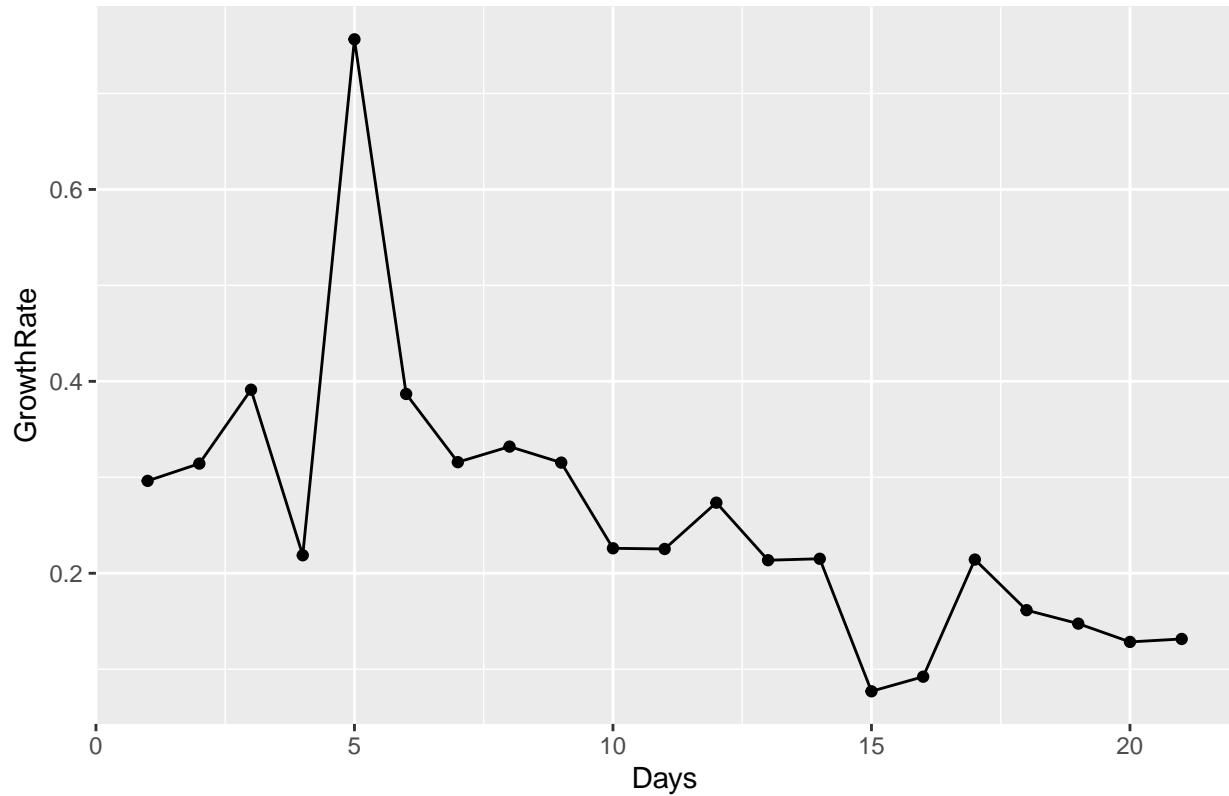
### US: Daily Cases



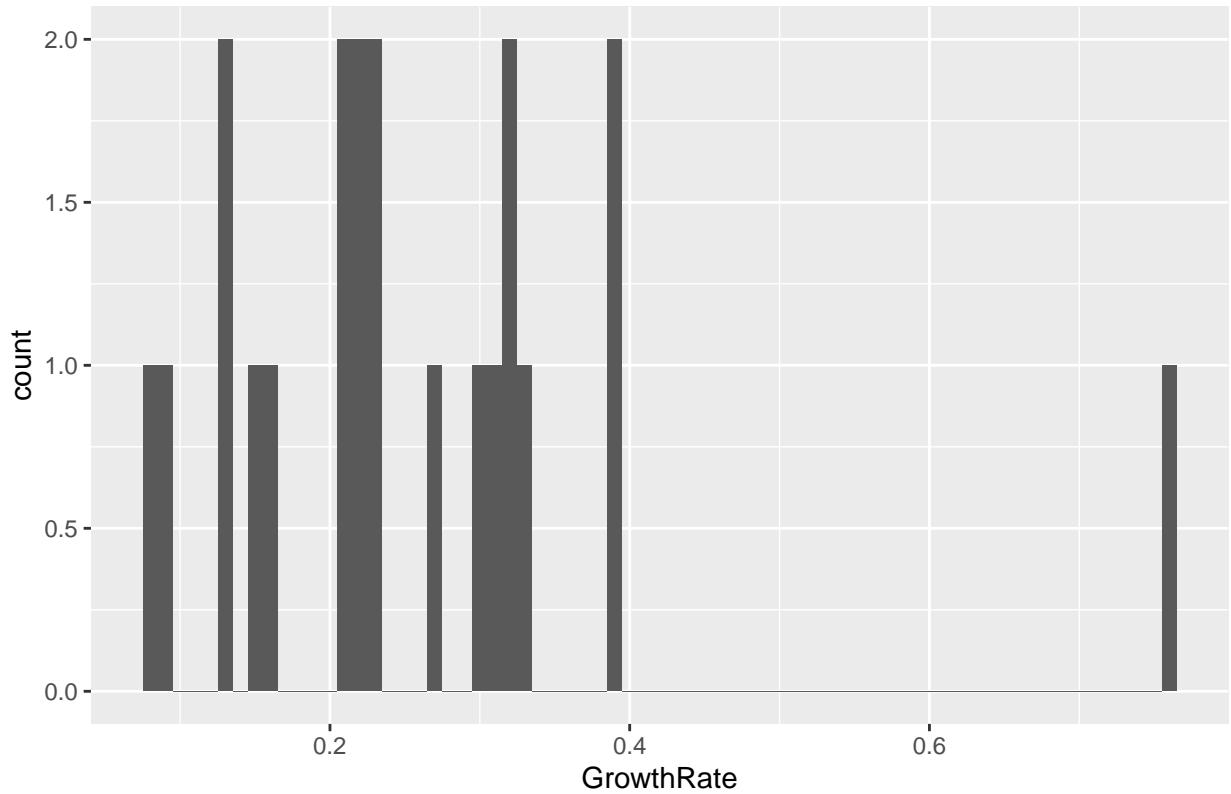
### US: Rate of change in Growth Rate



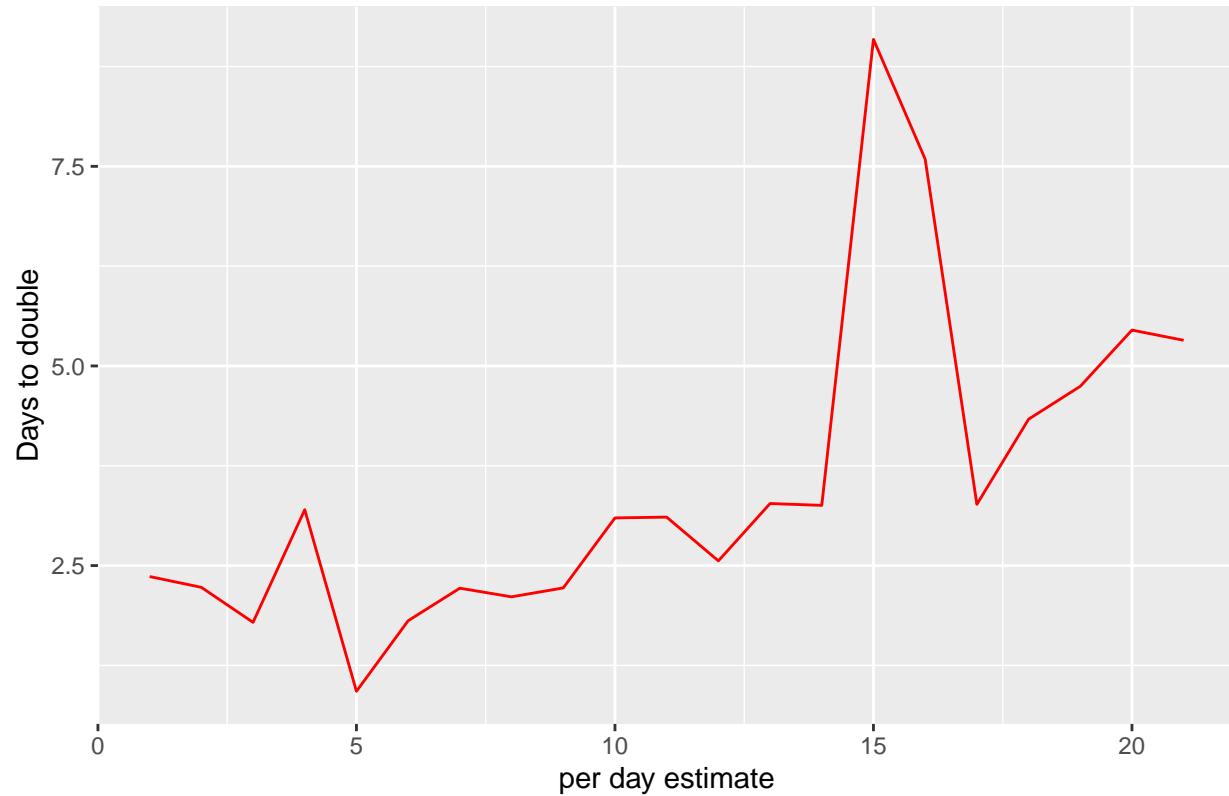
## US: Growth Rate



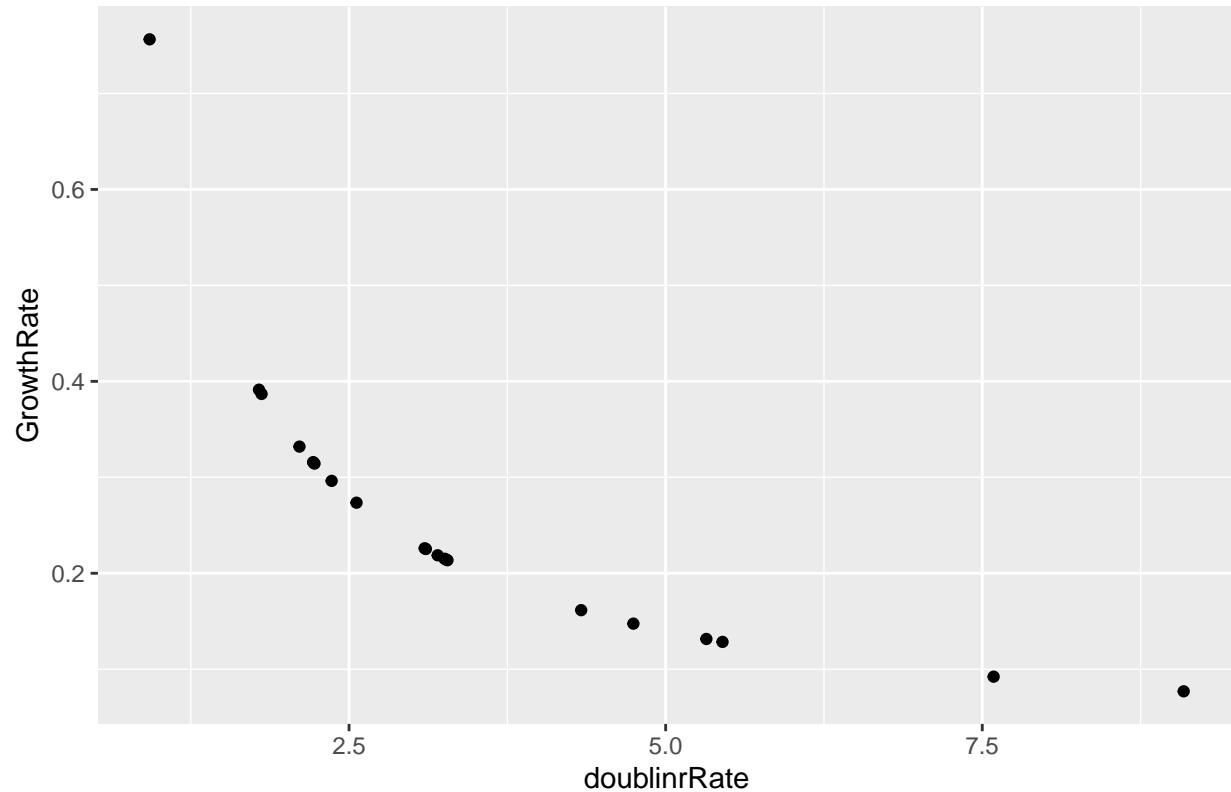
Histogram of GrowthRate

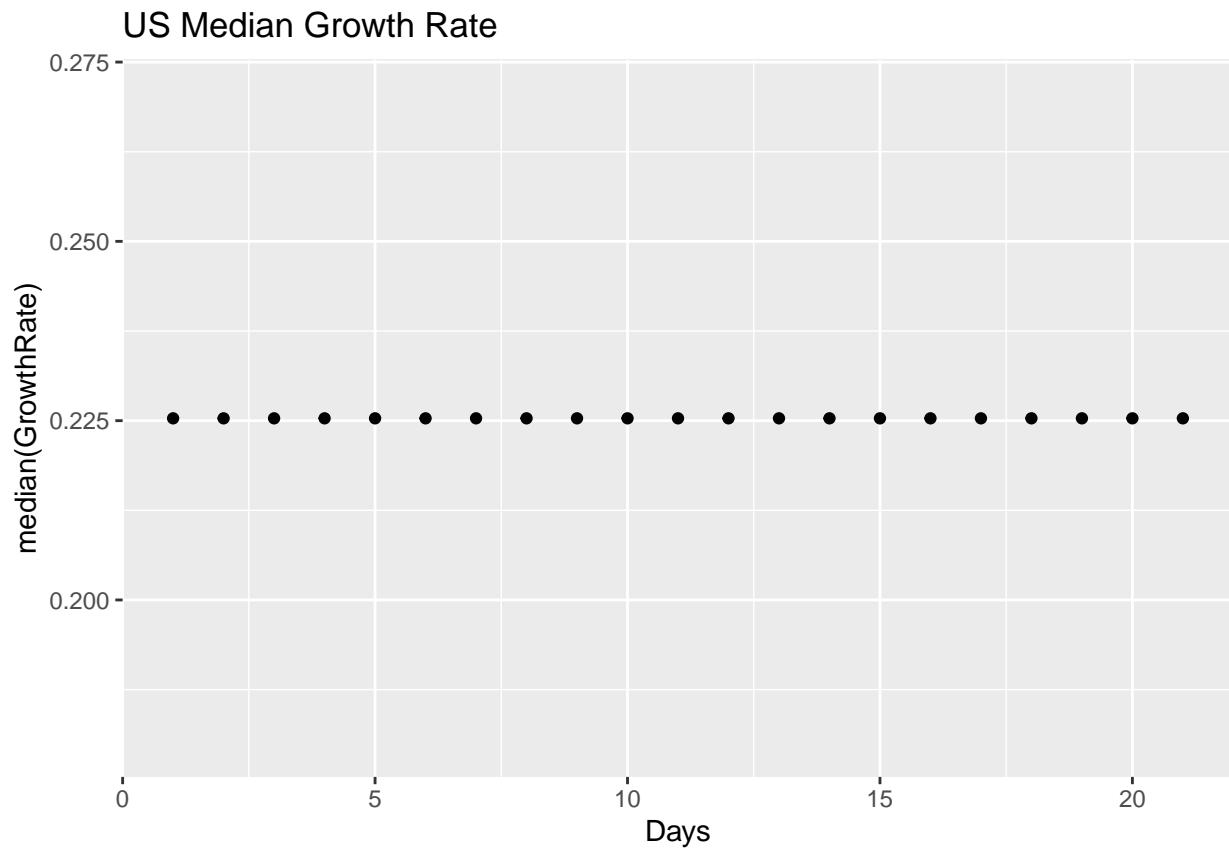


## Doubling Rate in days



## Doubling Rate vs Growth Rate



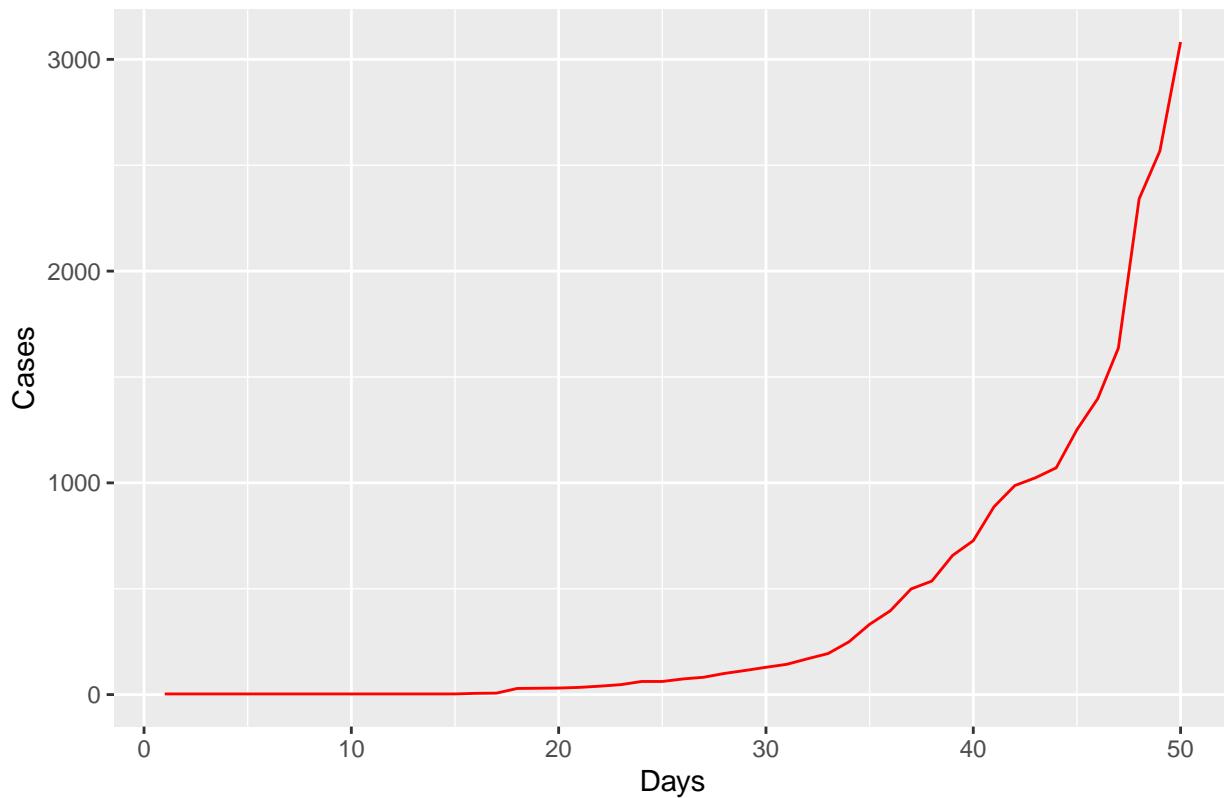


### Results:

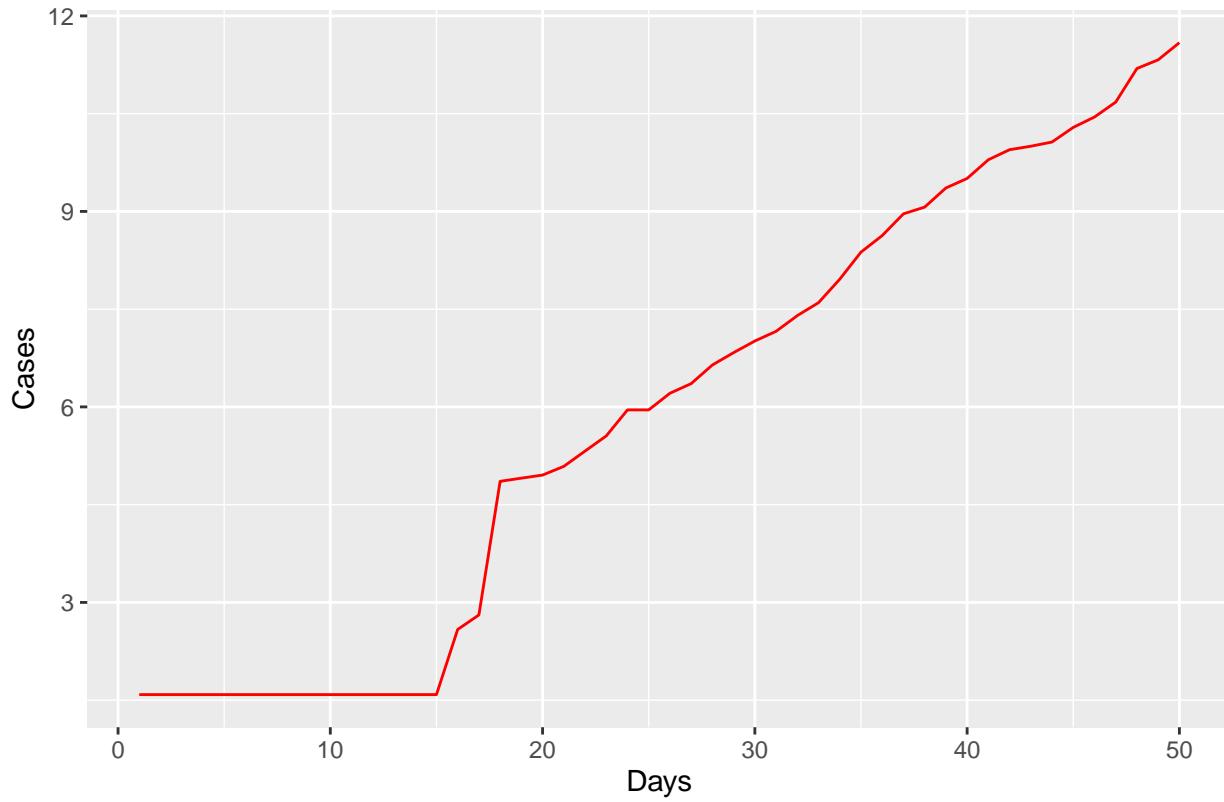
- Tomorrows predicted case number is between  $3.3995234 \times 10^5$  and  $3.781614 \times 10^5$  cases.
- Current doubling rate is **5 days**
- Mean doubling rate, i.e number of cases doubles every **3 days**.
- Median doubling rate, i.e number of cases doubles every **3 days**.
- Latest Observed Growth Rate **13.154505** percent.
- Mean Growth Rate: **25.8725432** percent.
- Median Growth Rate: **22.5325885** percent.
- Standard deviation: +/- **14.5537839**.

## India Corona Dashboard

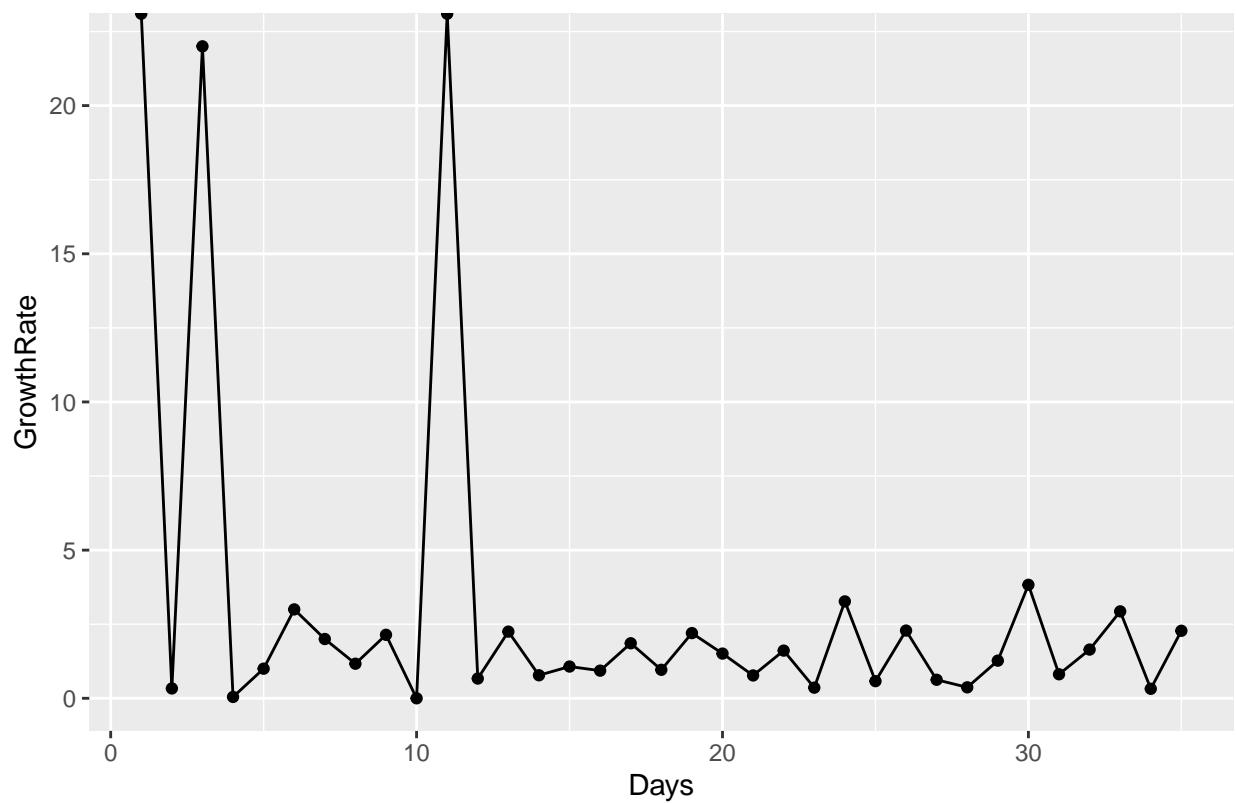
### India: Daily Cases



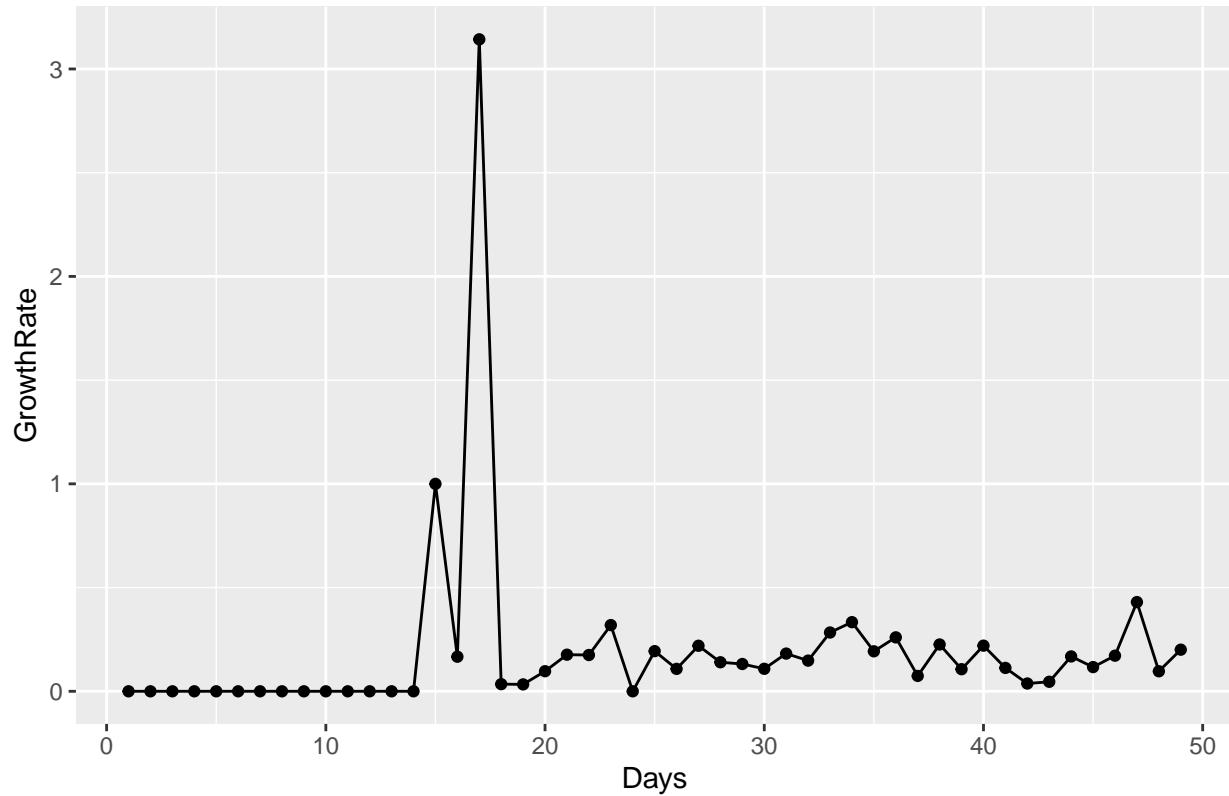
### India: Daily Cases



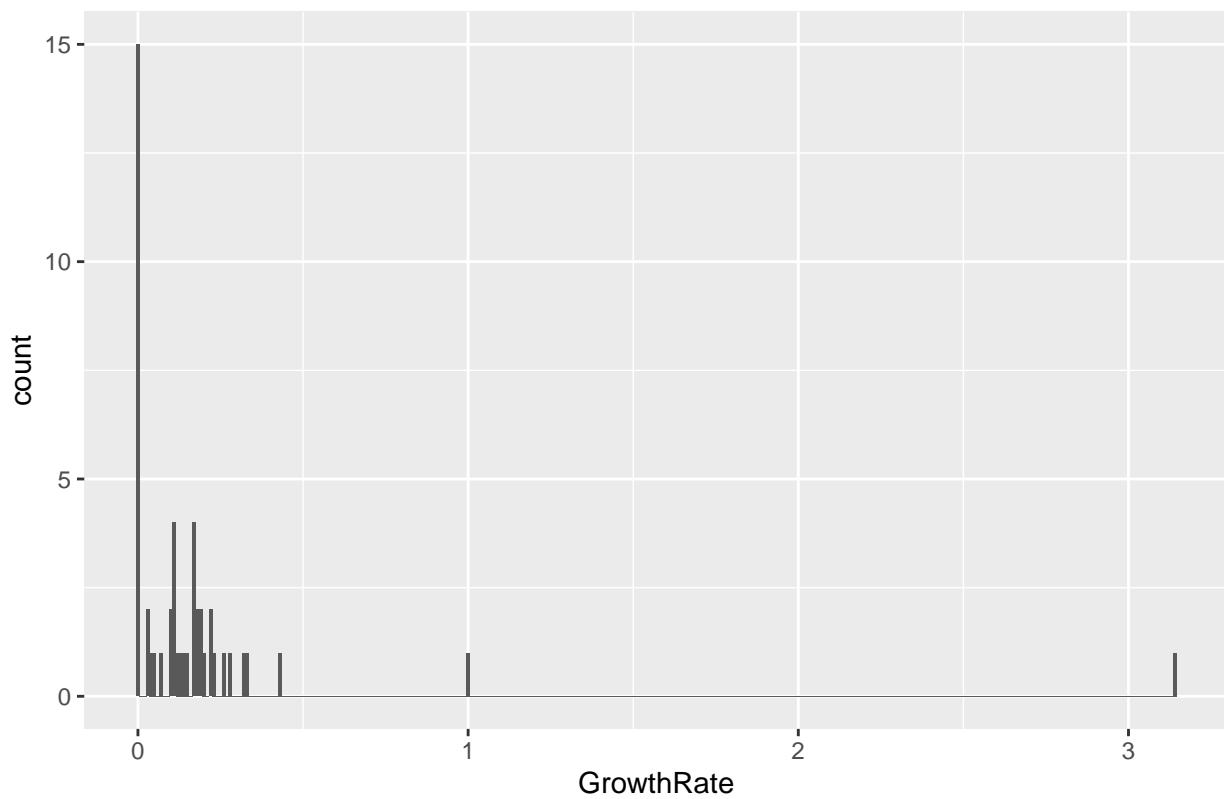
### US: Rate of change in Growth Rate



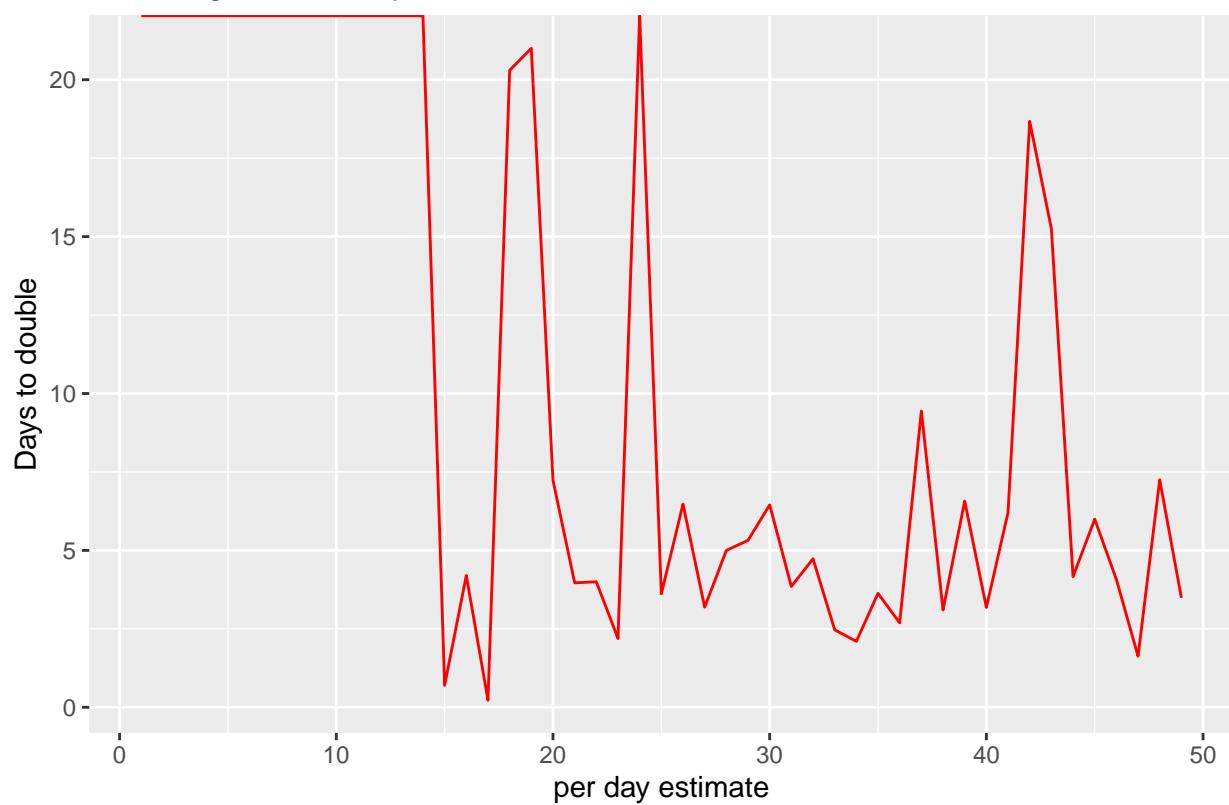
## India: Growth Rate



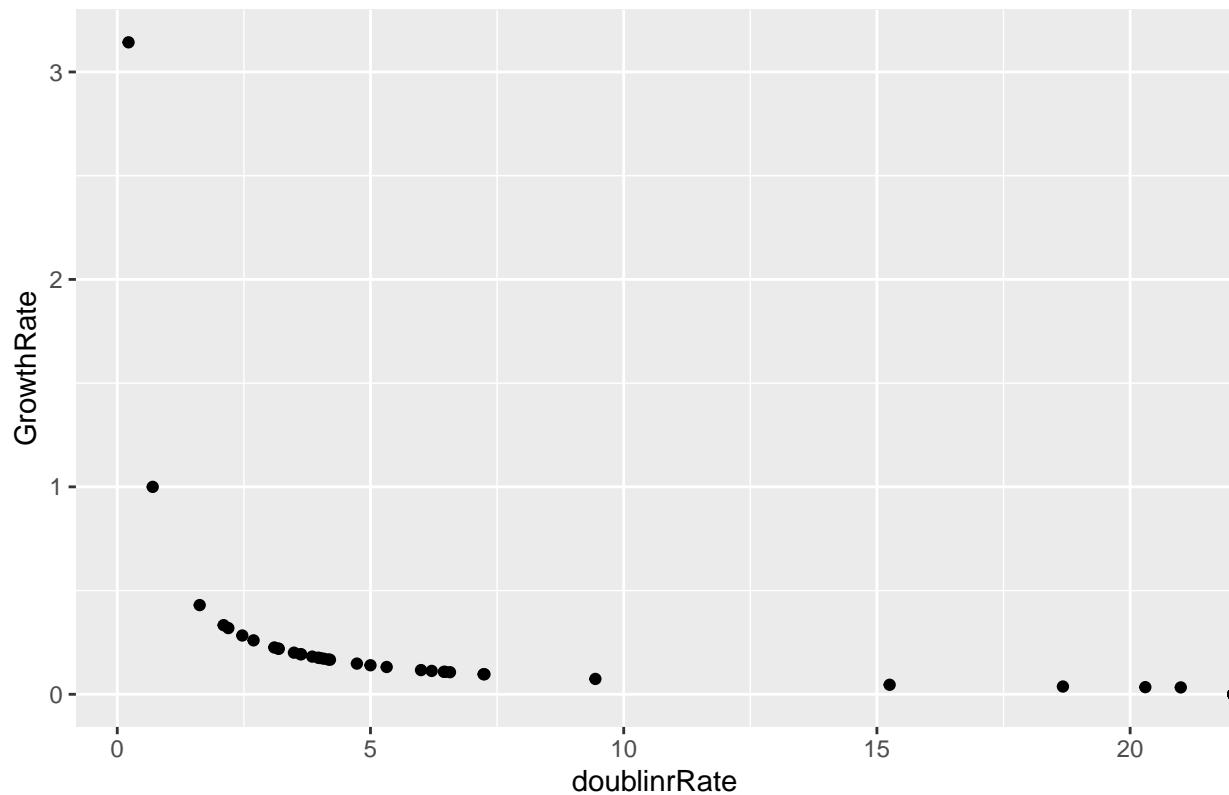
Histogram of GrowthRate



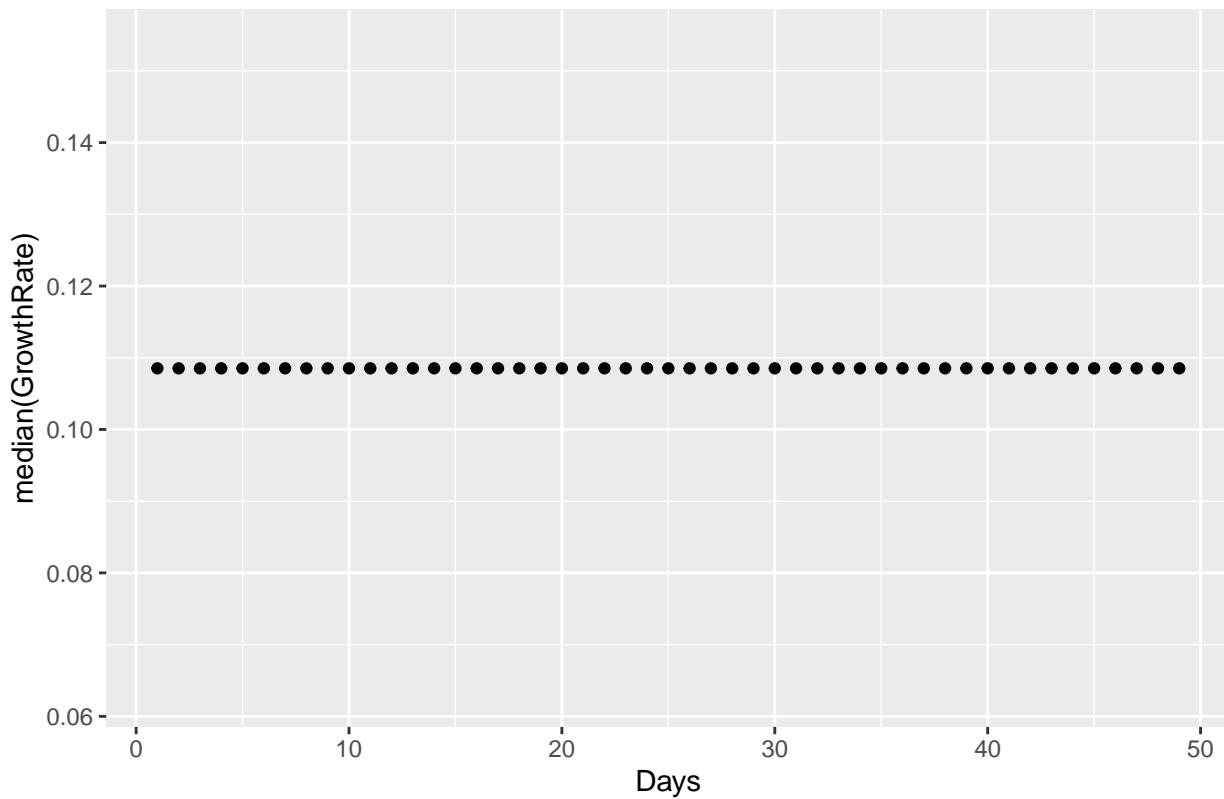
### Doubling Rate in days



## Doubling Rate vs Growth Rate



## India Median Growth Rate



### Results:

- Tomorrows predicted case number is between **3700.3209973** and **3676.5053633** cases.
- Current doubling rate is **3 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 **20.0623296** percent.
- Mean Growth Rate: **19.2895965** percent.
- Median Growth Rate: **10.8527132** percent.
- Standard deviation: +/- **46.0819391**.