

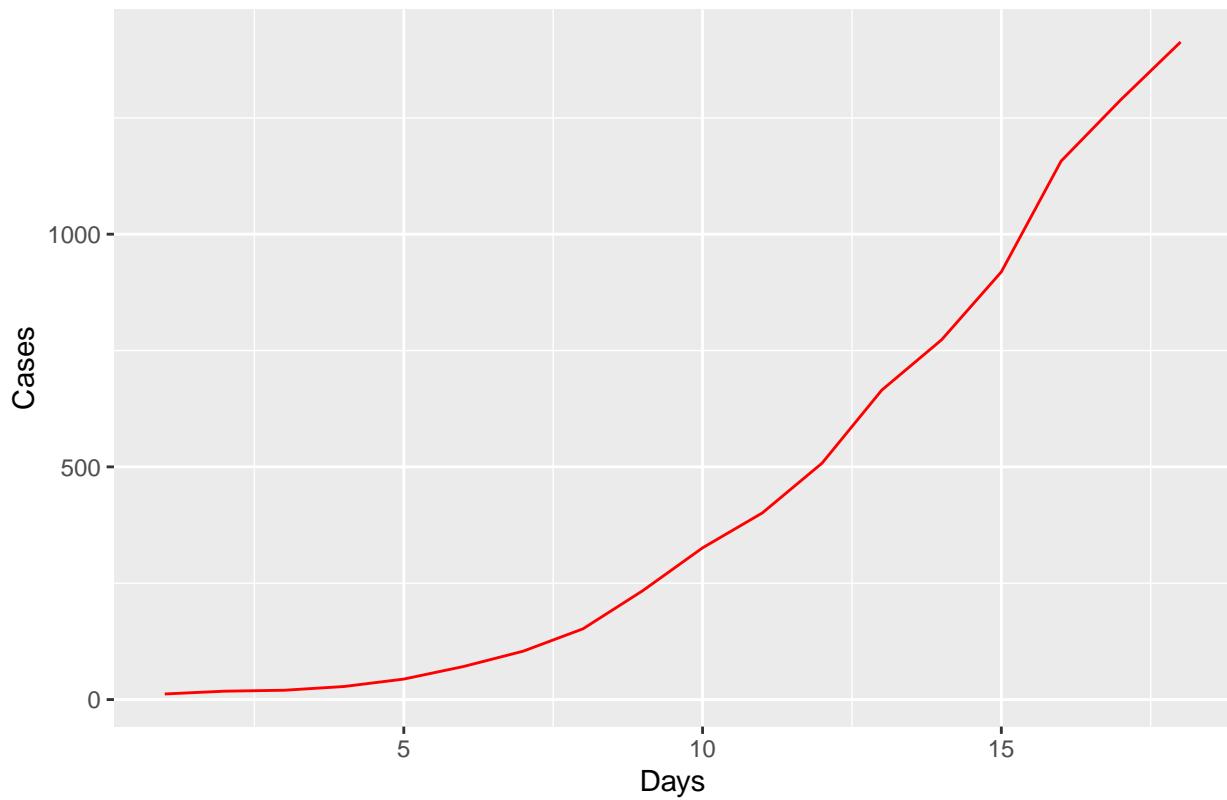
# Arizona/US/India Corona Trends-1st April 2020 with tomorrow's prediction

Whitchurch Muthumani

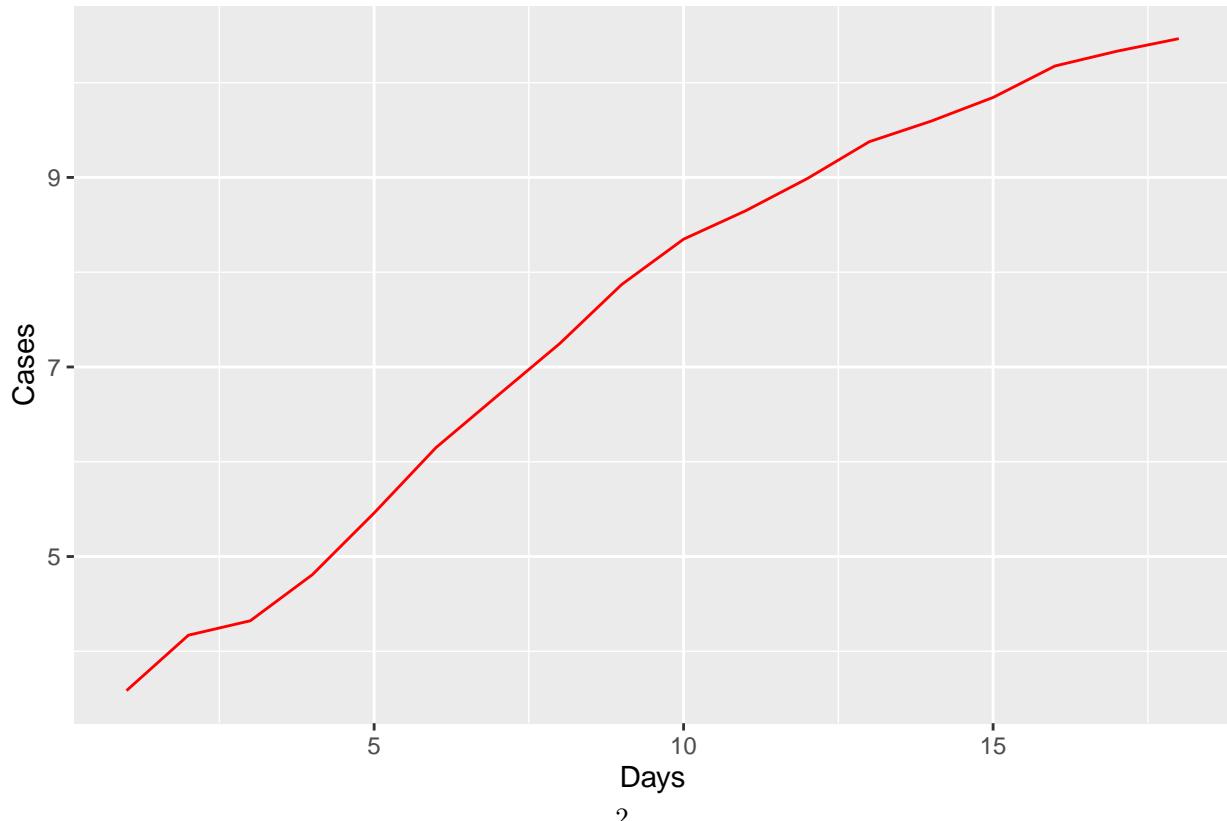
4/1/2020

## Arizona Corona Dashboard

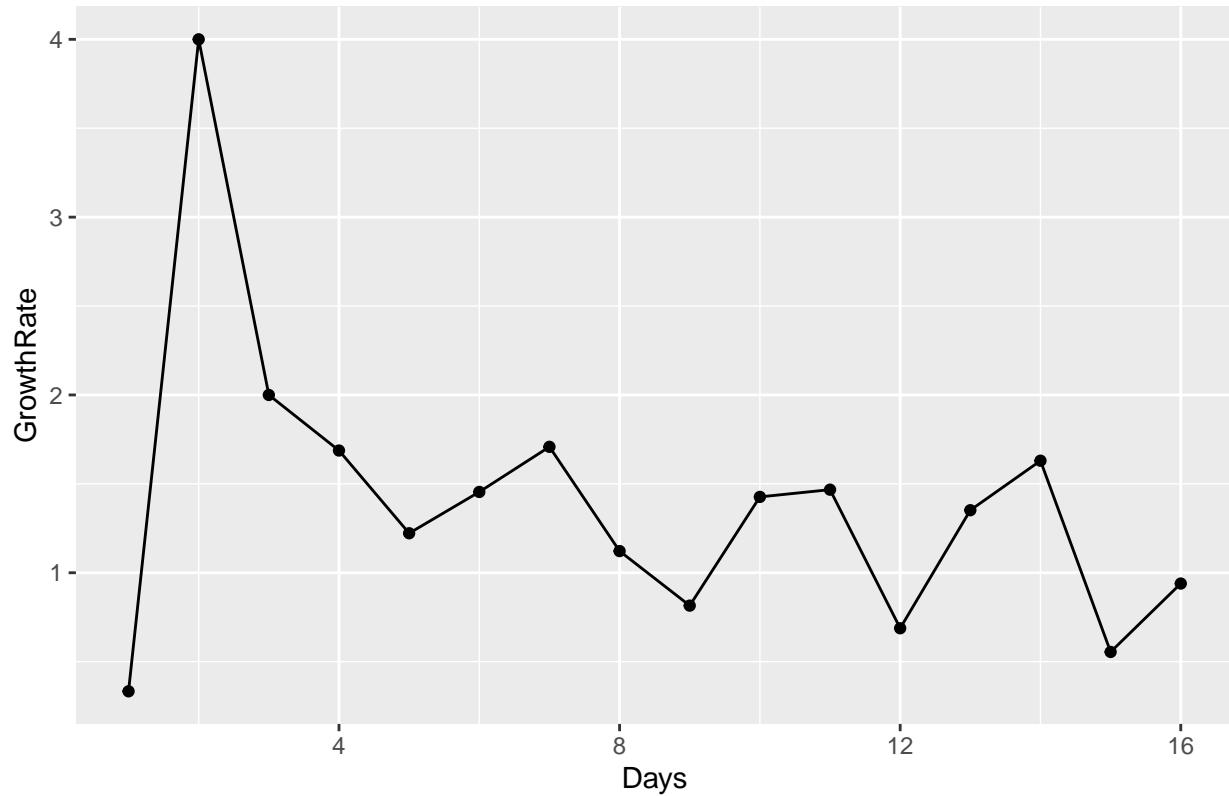
### Arizona: Daily Cases



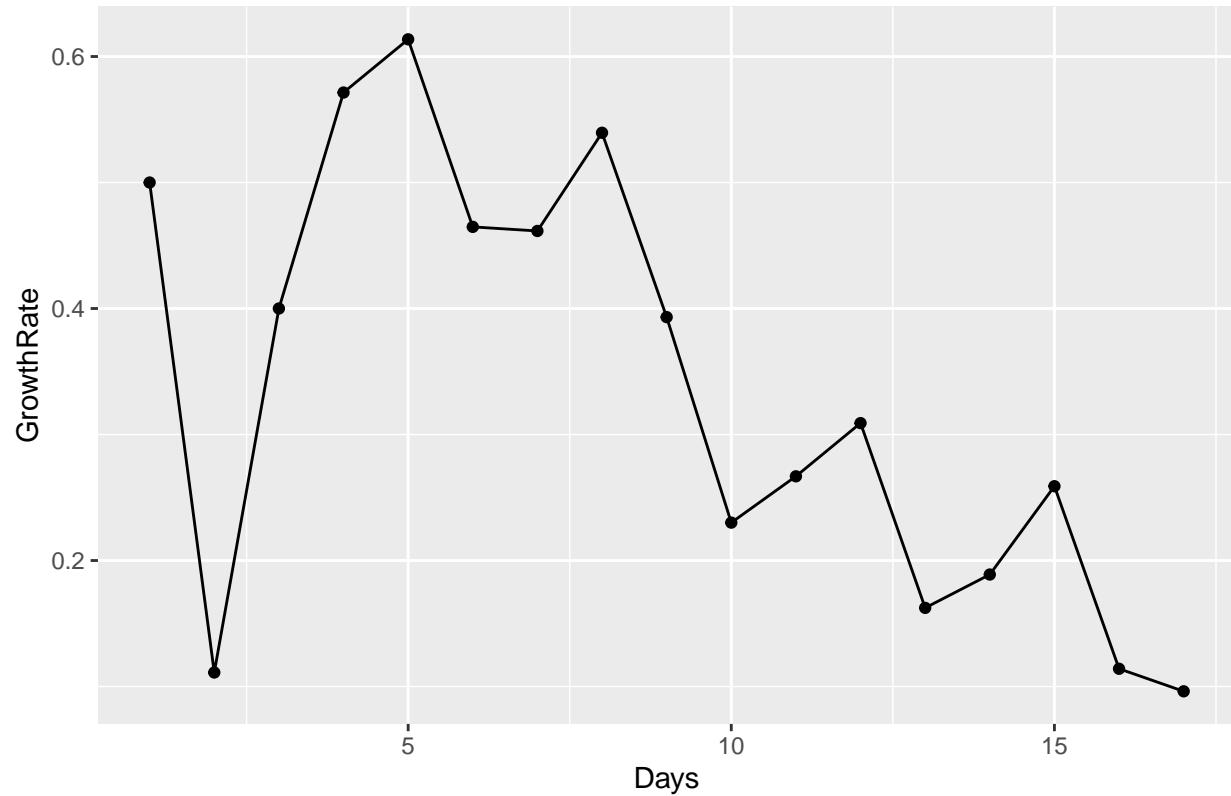
### Arizona: Daily Cases



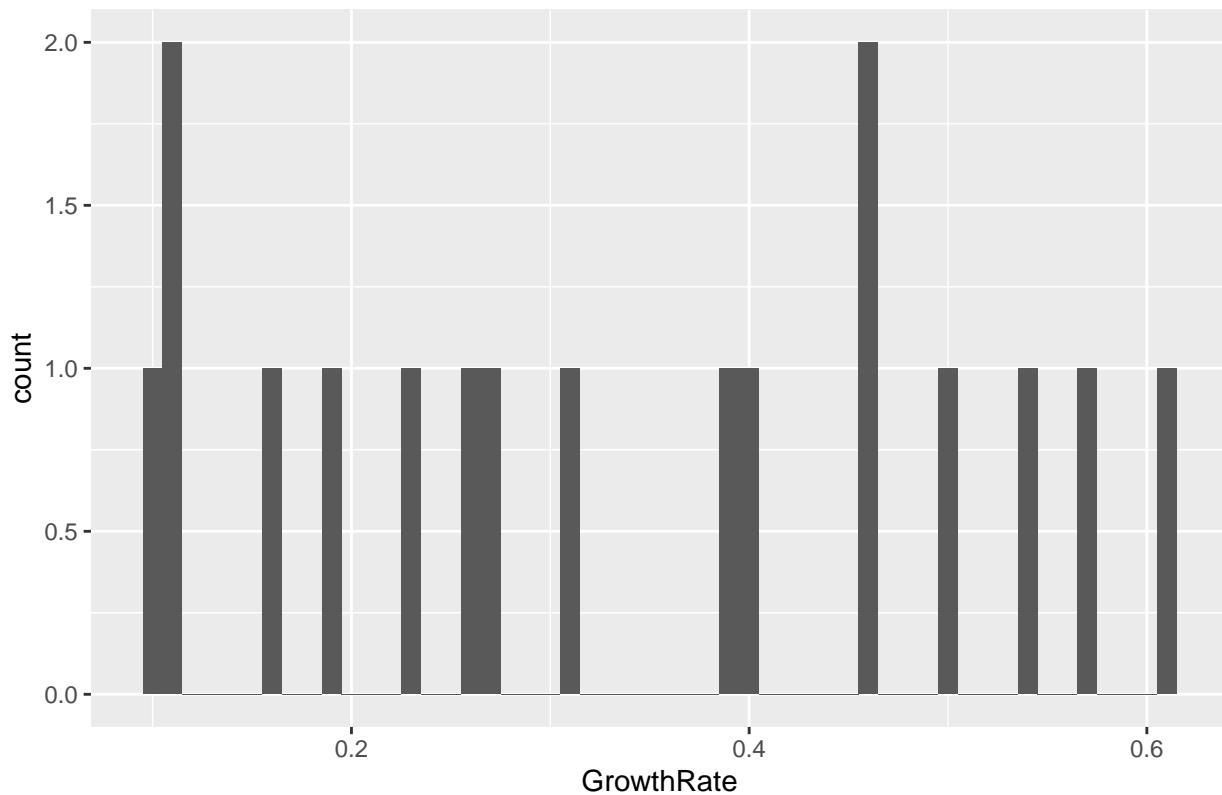
### Arizona: Rate of change in Growth Rate



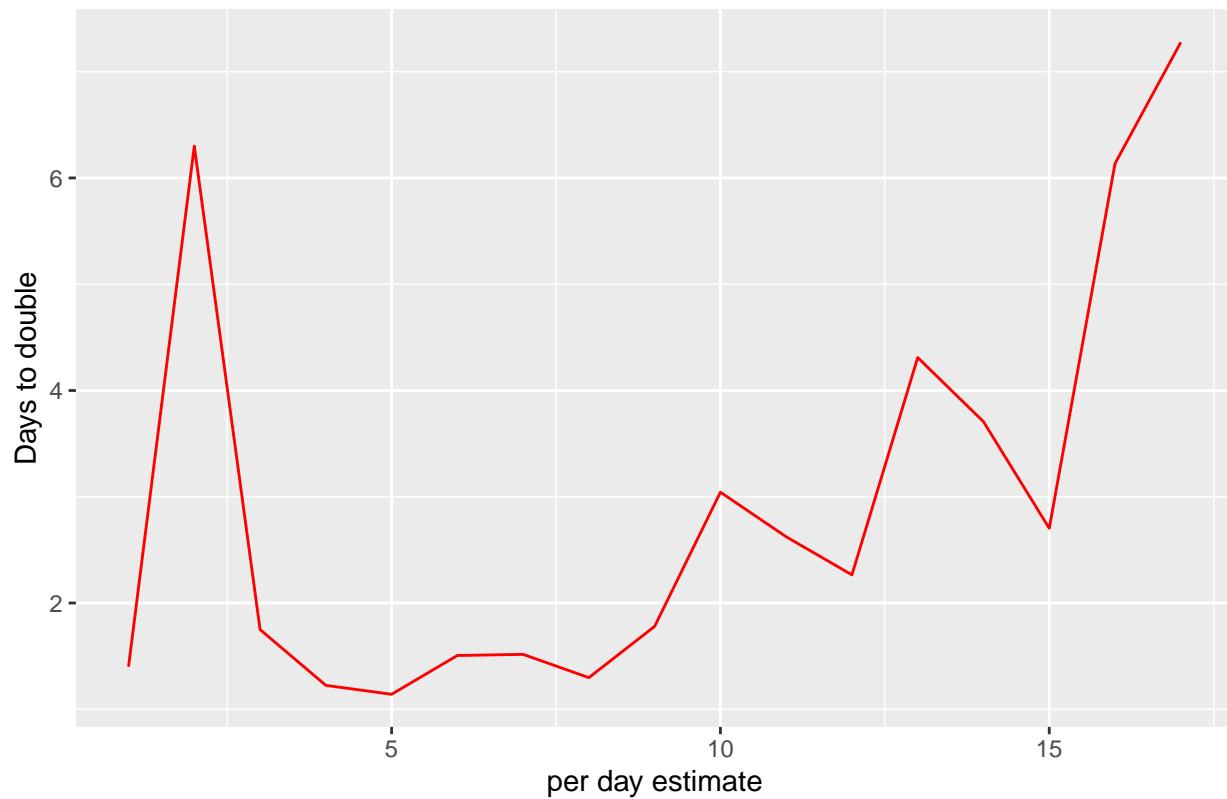
### Arizona: Growth Rate



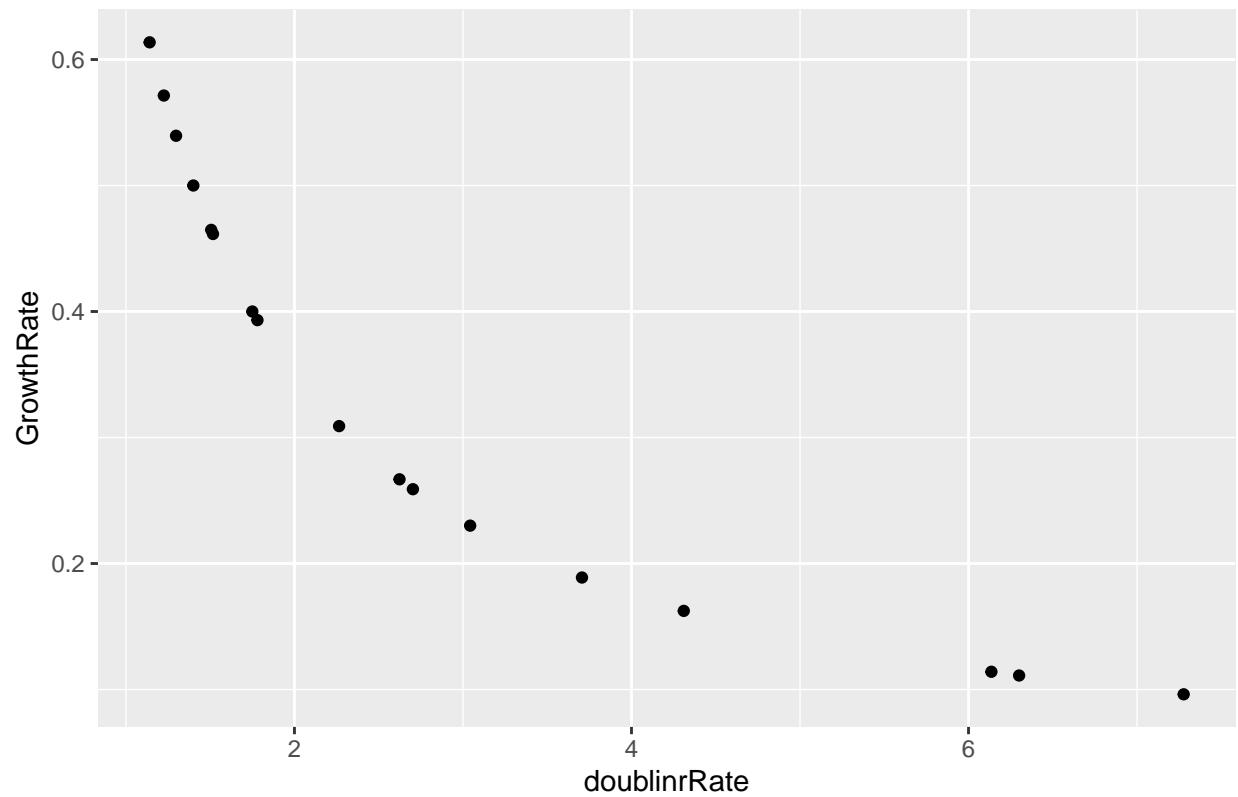
Histogram of GrowthRate



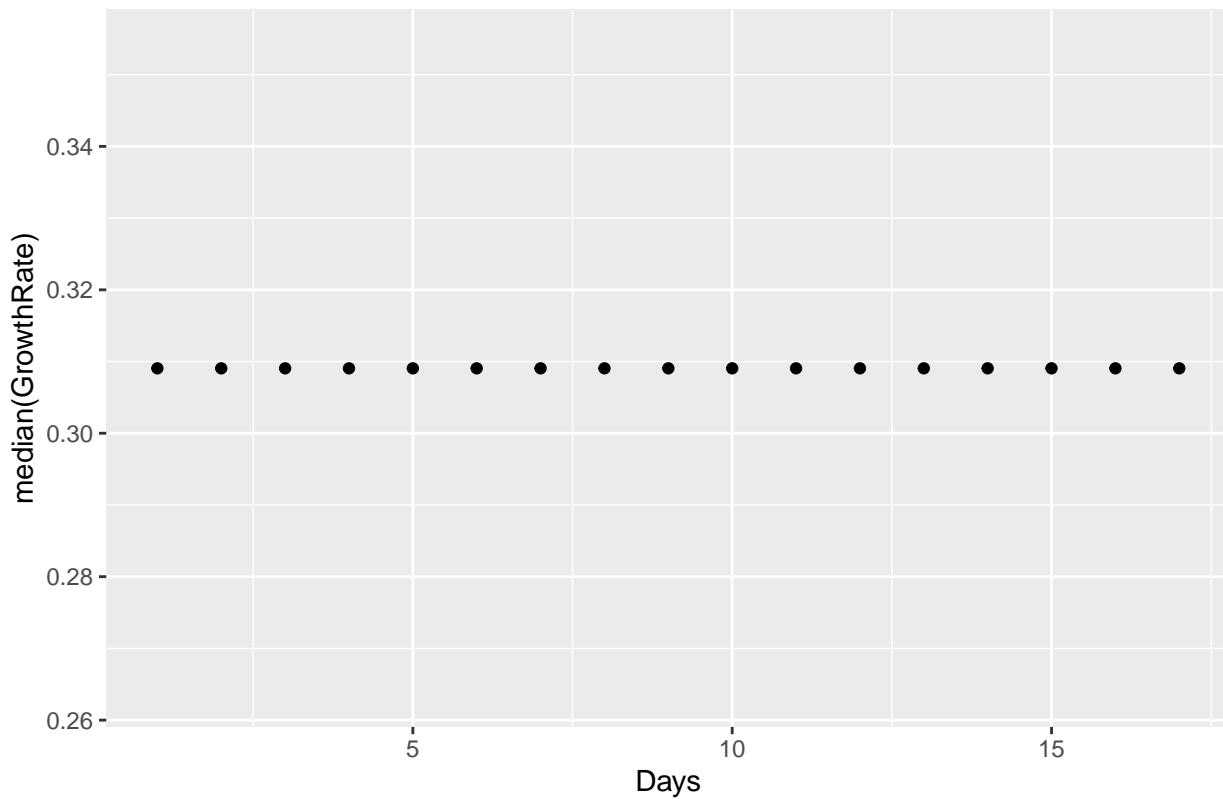
## Doubling Rate in days



## Doubling Rate vs Growth Rate



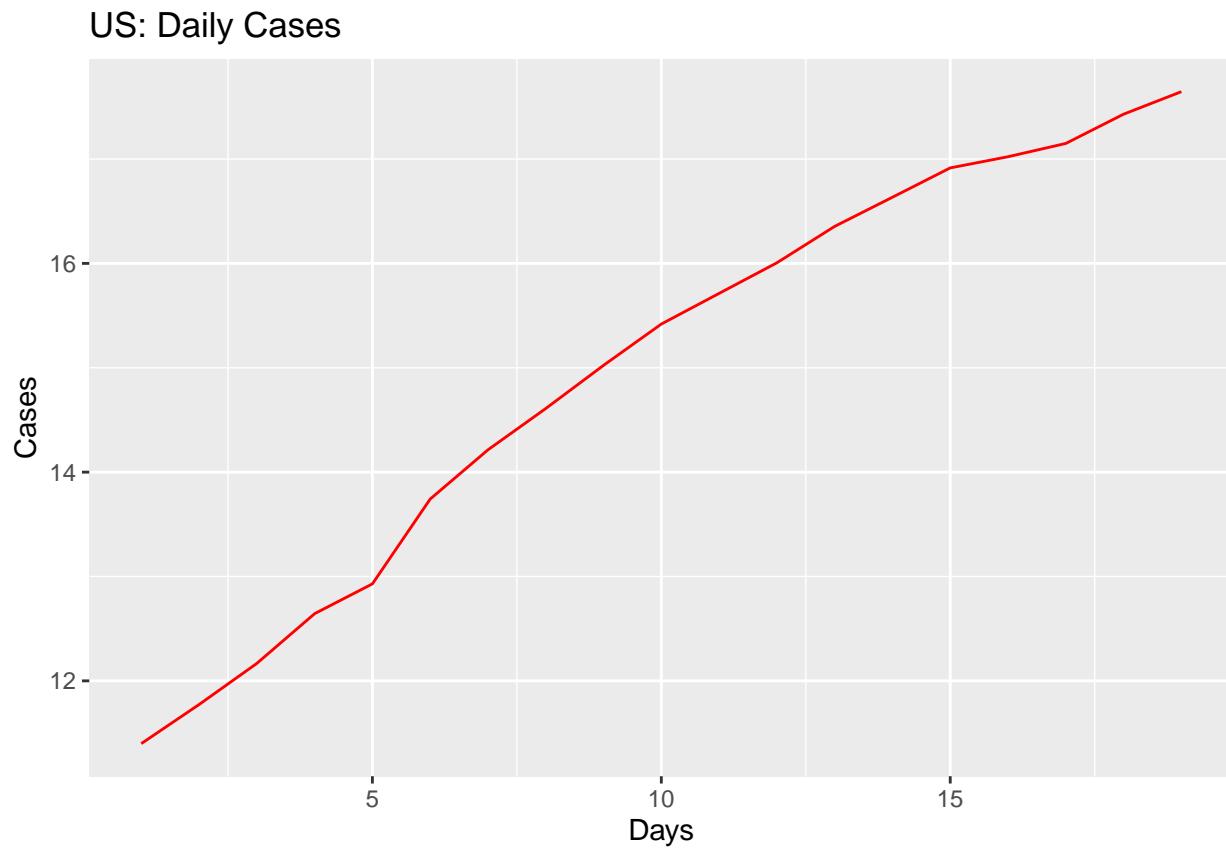
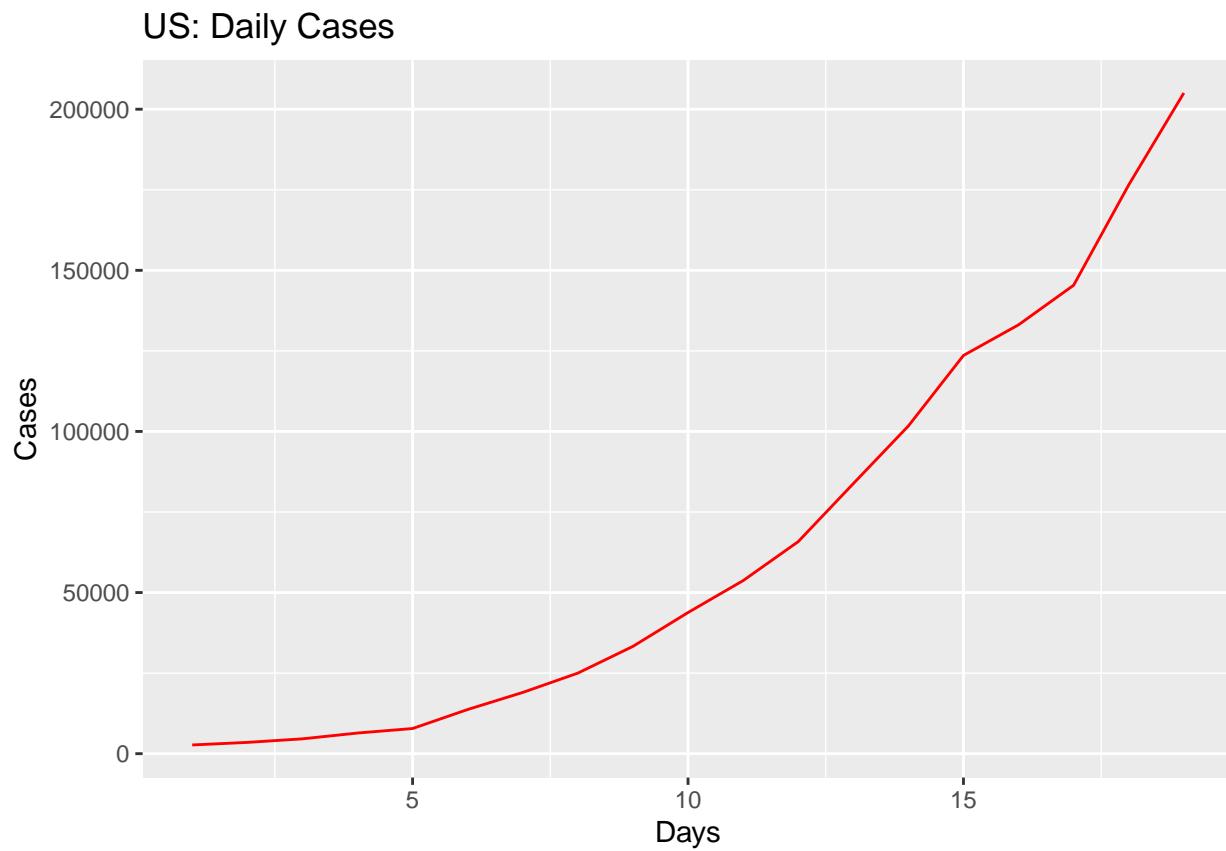
## Arizona Median Growth Rate



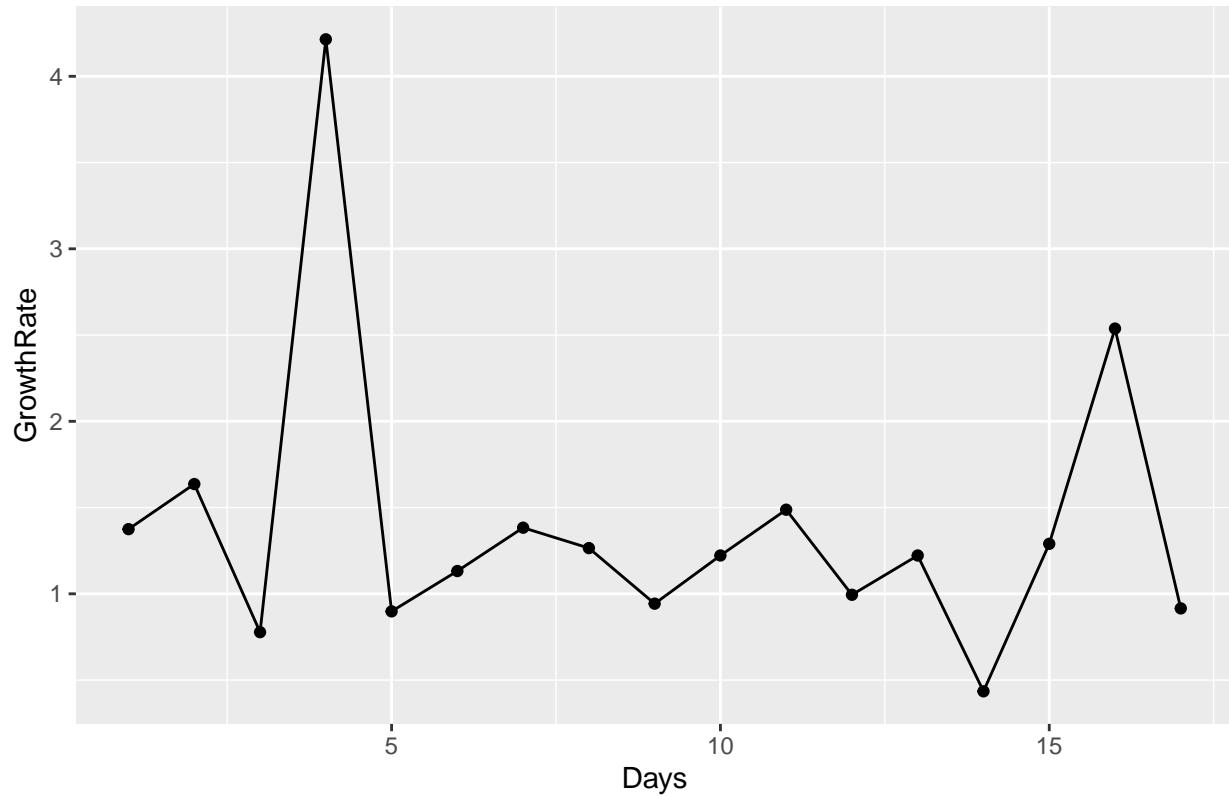
### Results:

- Tomorrows predicted case number is between **1548.9286268** and **1885.2439784** cases.
- Current doubling rate is **7 days**
- Mean doubling rate, i.e number of cases doubles every **2 days**.
- Median doubling rate, i.e number of cases doubles every **2 days**.
- Latest Observed Growth Rate **9.6198604** percent.
- Mean Growth Rate: **33.4213714** percent.
- Median Growth Rate: **30.9055118** percent.
- Standard deviation: +/- **17.1797999**.

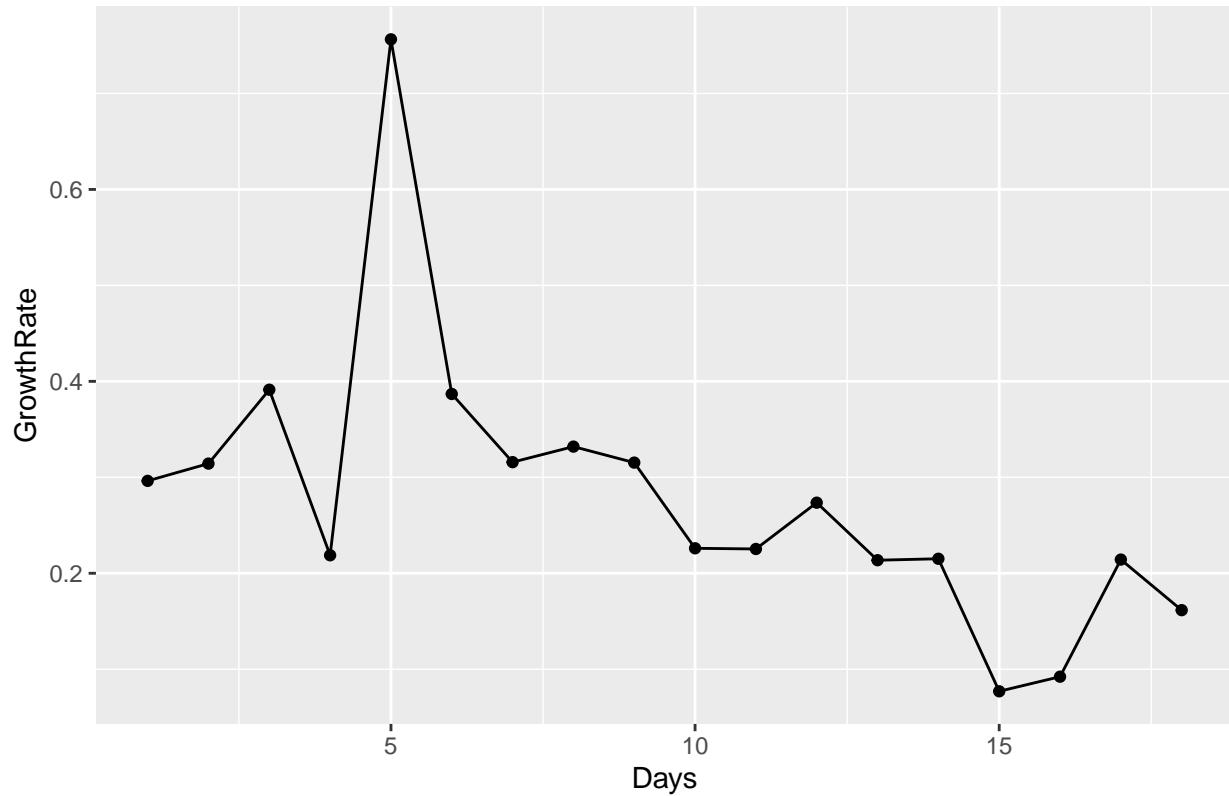
## US Corona Dashboard



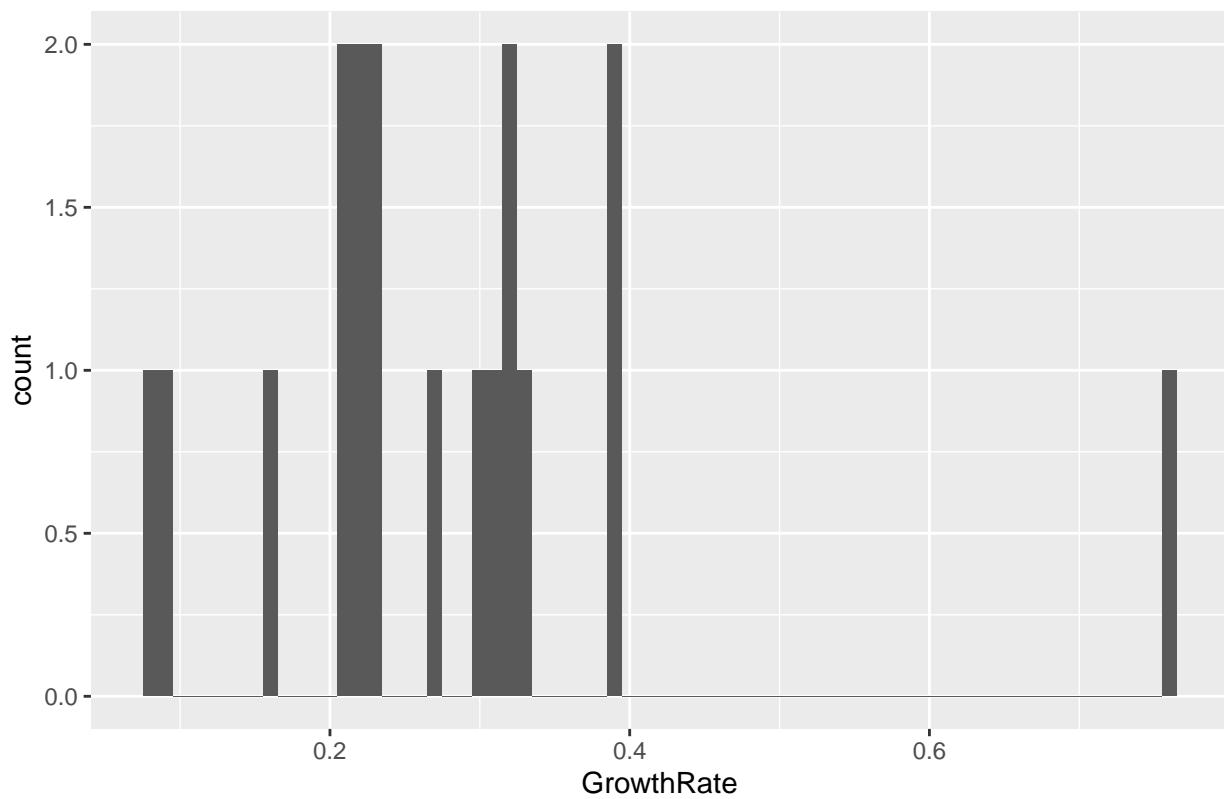
### US: Rate of change in Growth Rate



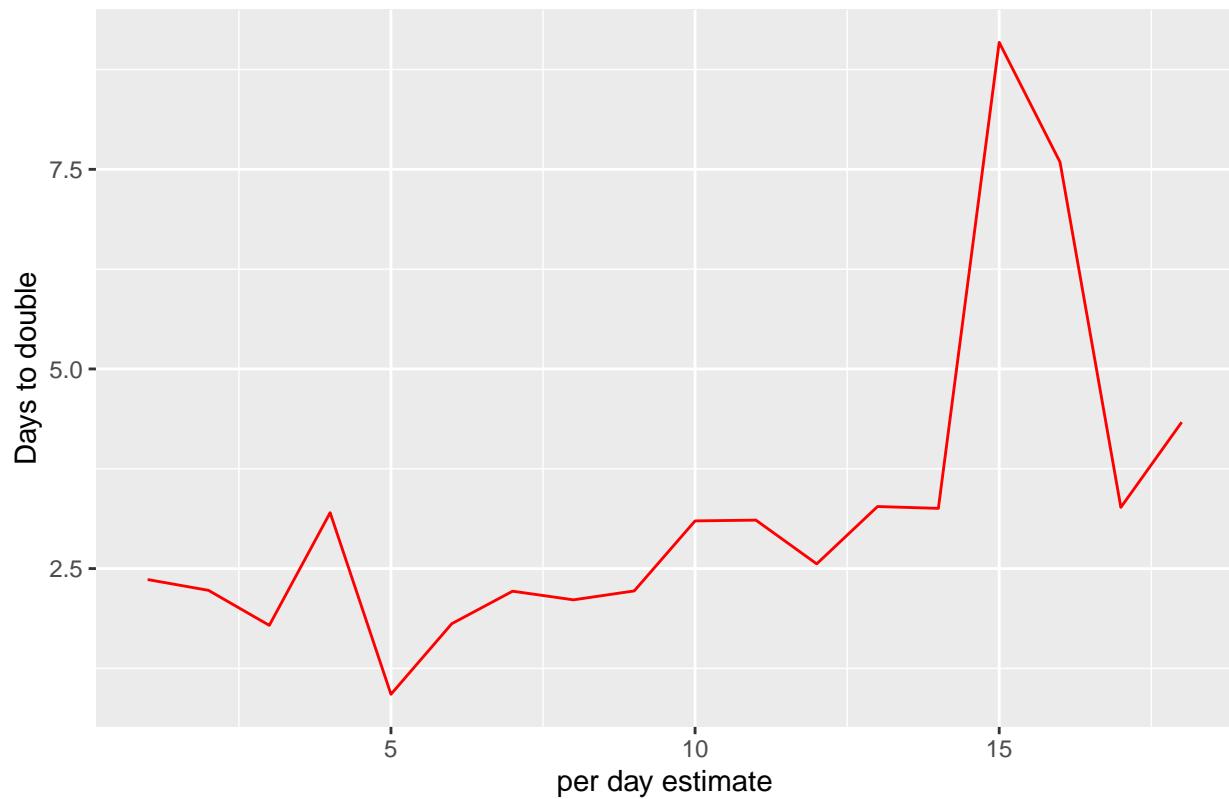
## US: Growth Rate



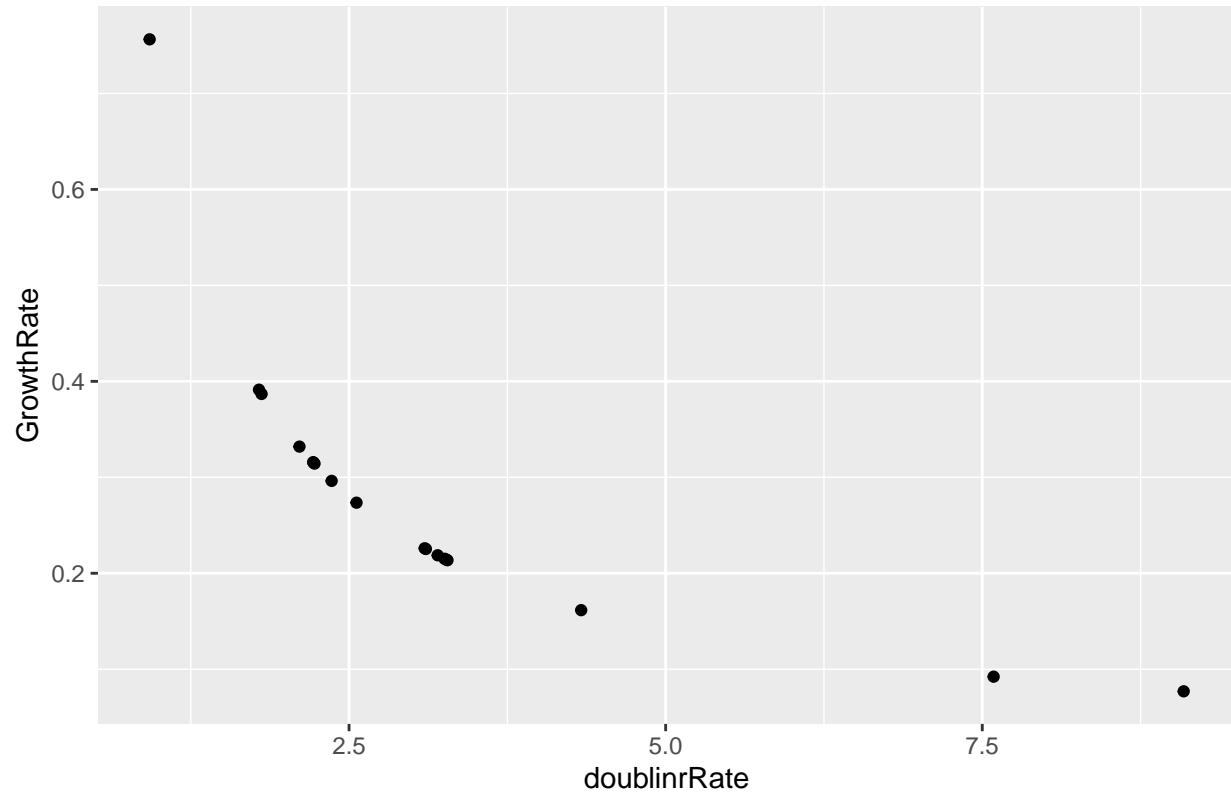
Histogram of GrowthRate



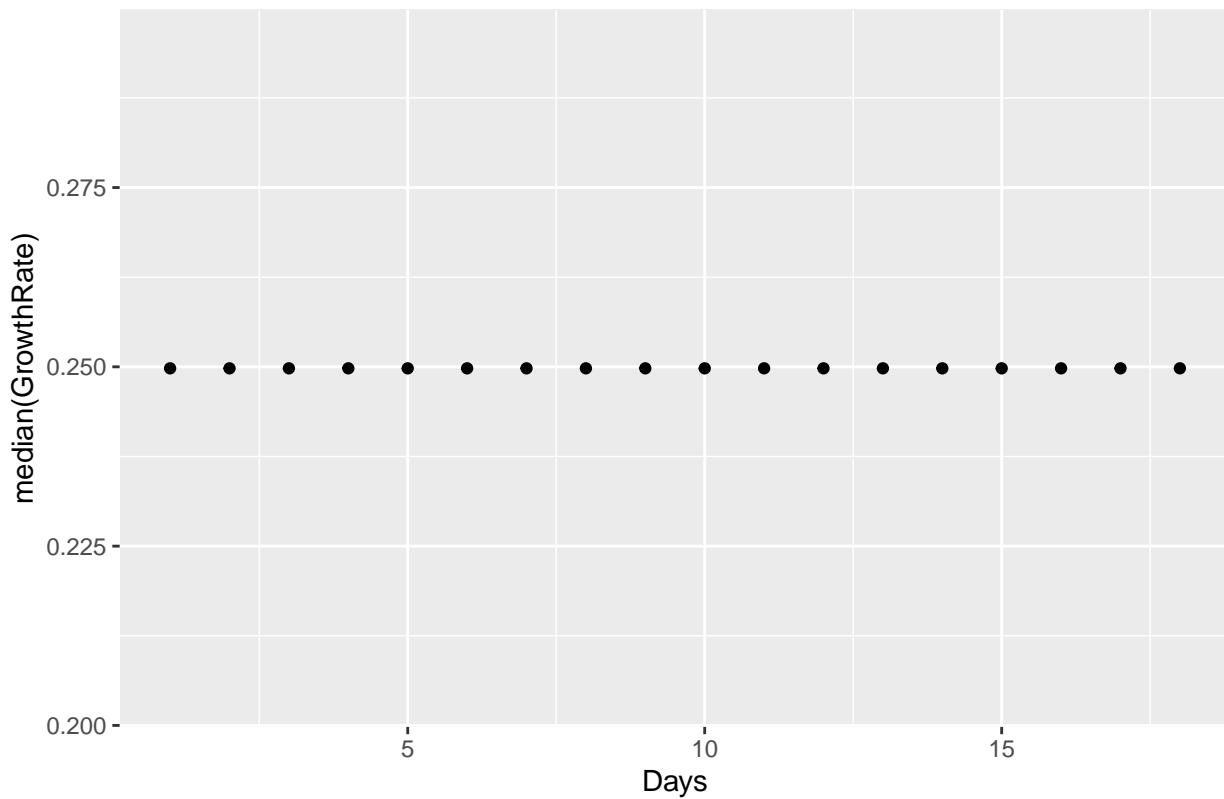
## Doubling Rate in days



## Doubling Rate vs Growth Rate



## US Median Growth Rate

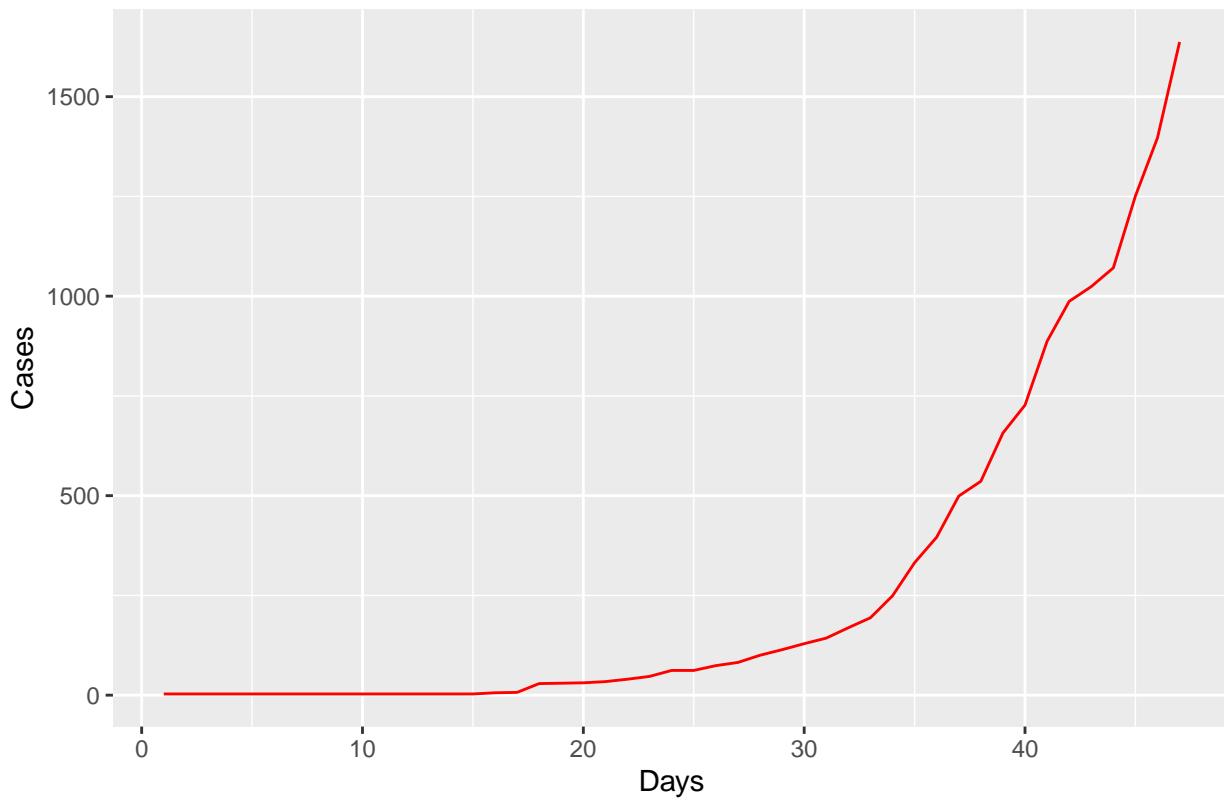


### Results:

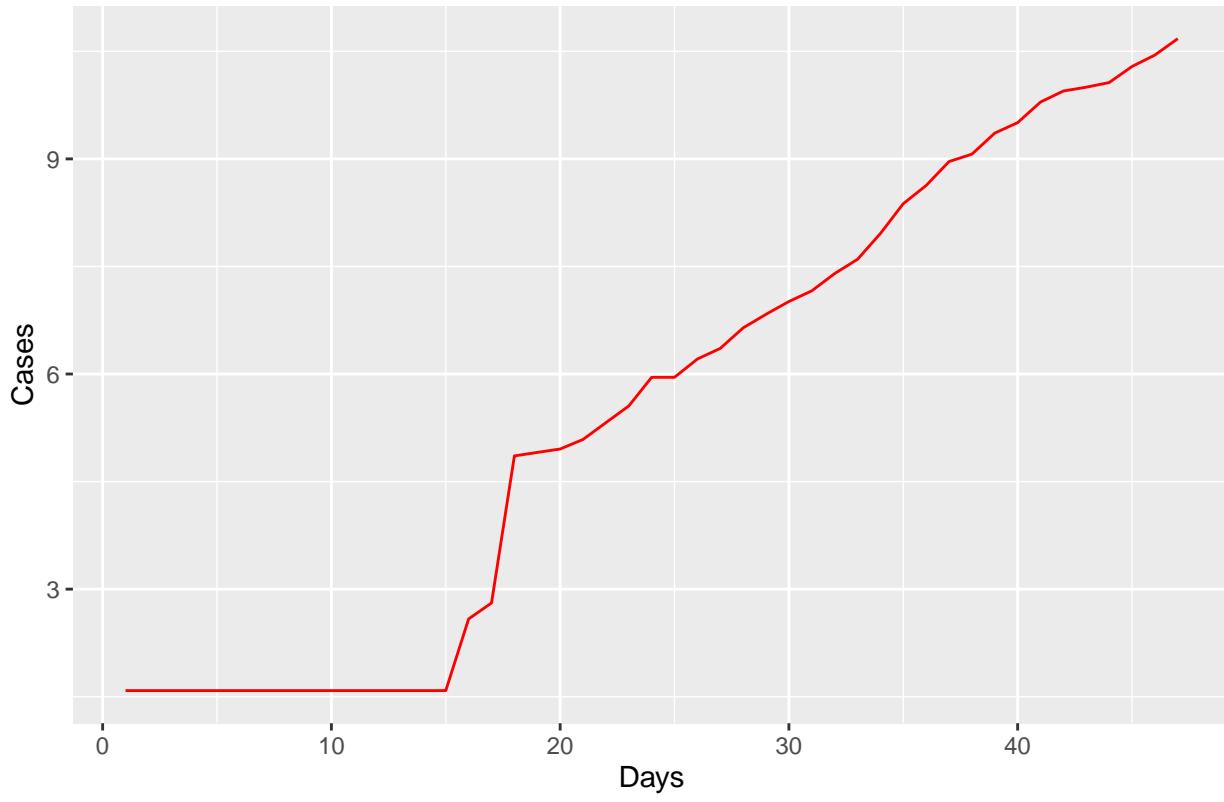
- Tomorrows predicted case number is between  $2.38159 \times 10^5$  and  $2.6228202 \times 10^5$  cases.
- Current doubling rate is **4 days**
- Mean doubling rate, i.e number of cases doubles every **3 days**.
- Median doubling rate, i.e number of cases doubles every **3 days**.
- Latest Observed Growth Rate **16.1552929** percent.
- Mean Growth Rate: **27.9206074** percent.
- Median Growth Rate: **24.9791814** percent.
- Standard deviation: +/- **14.7641161**.

## India Corona Dashboard

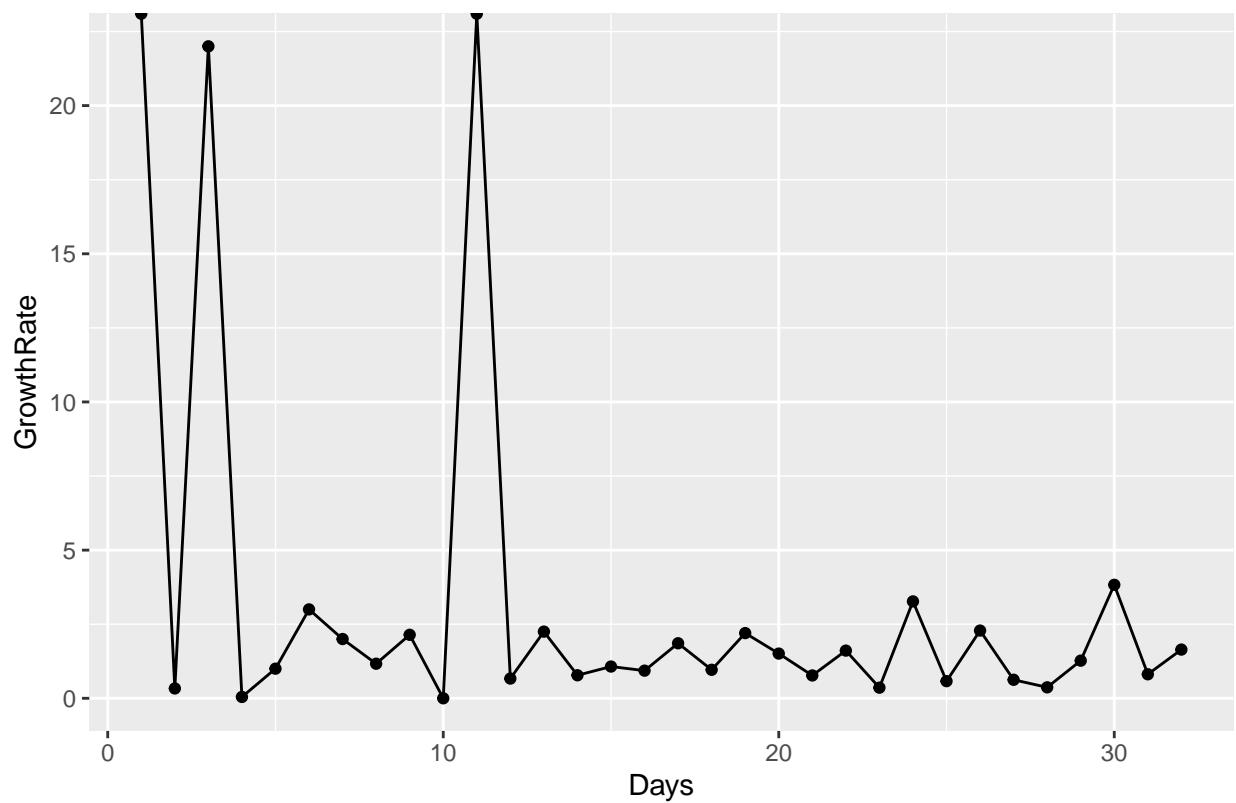
### India: Daily Cases



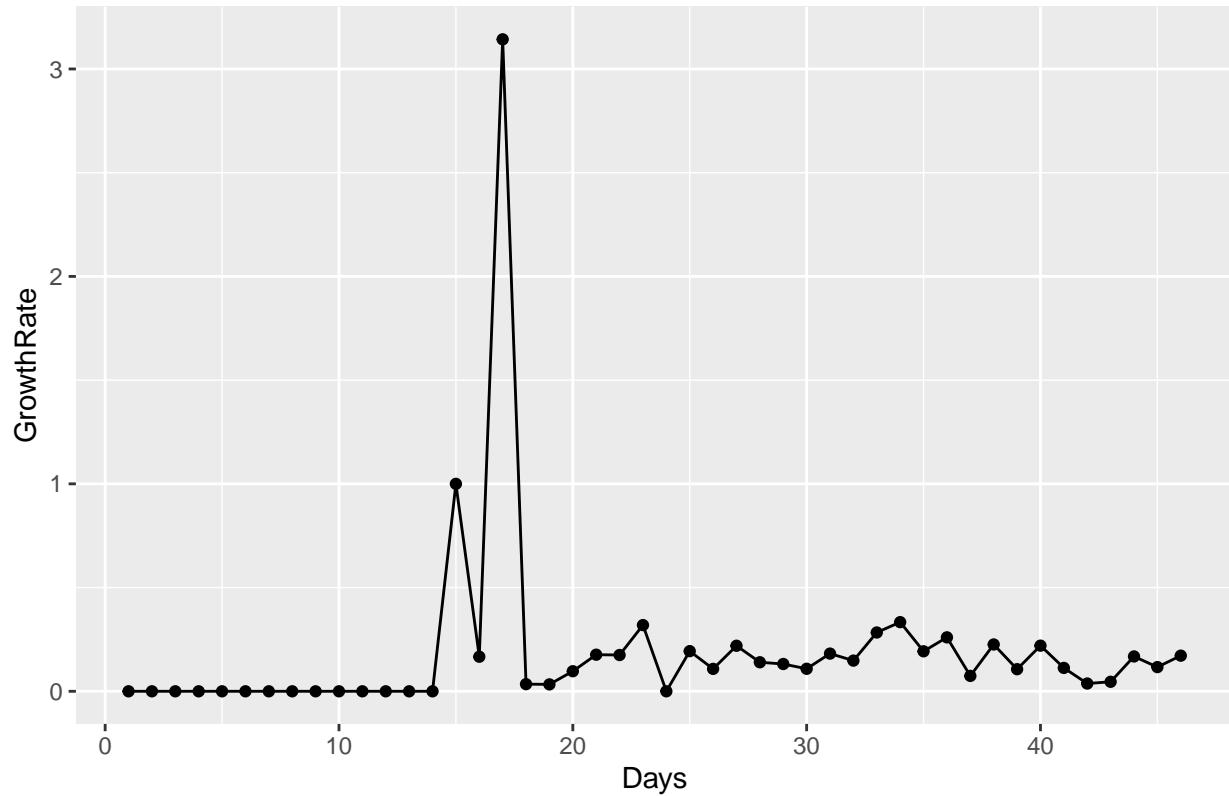
### India: Daily Cases



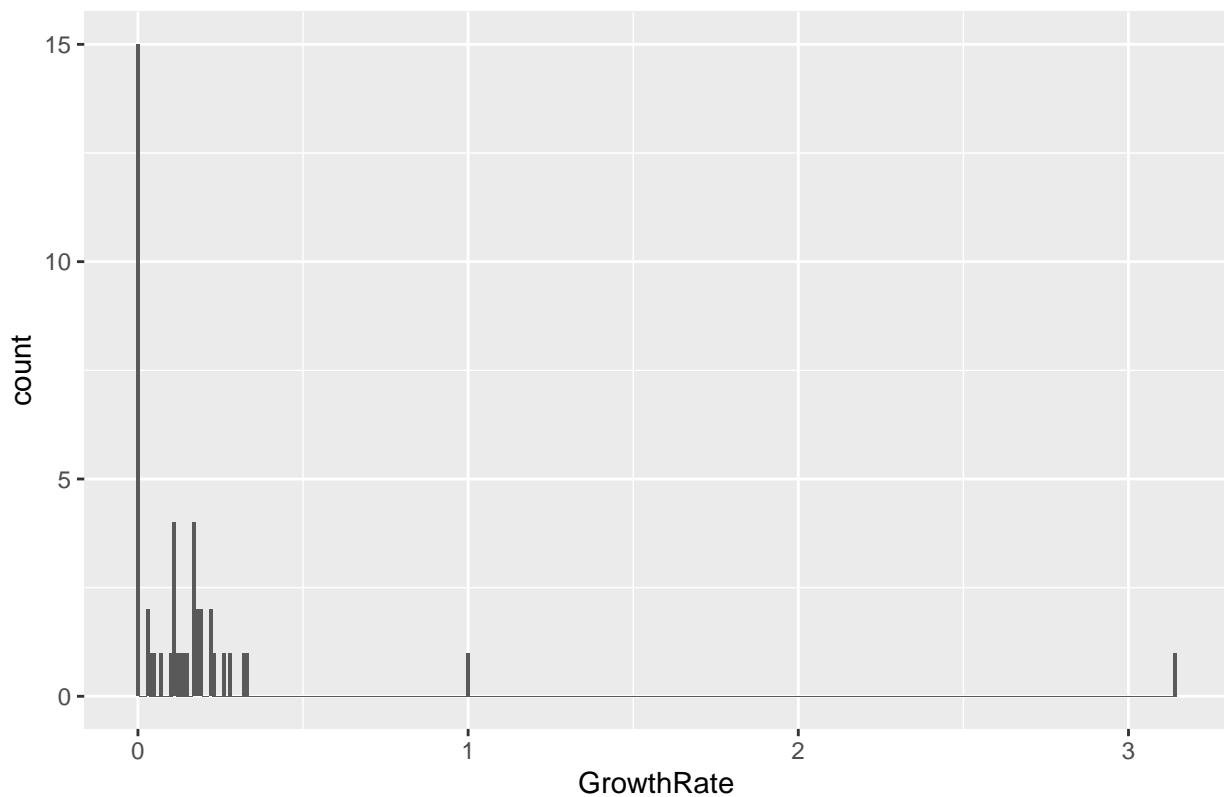
### US: Rate of change in Growth Rate



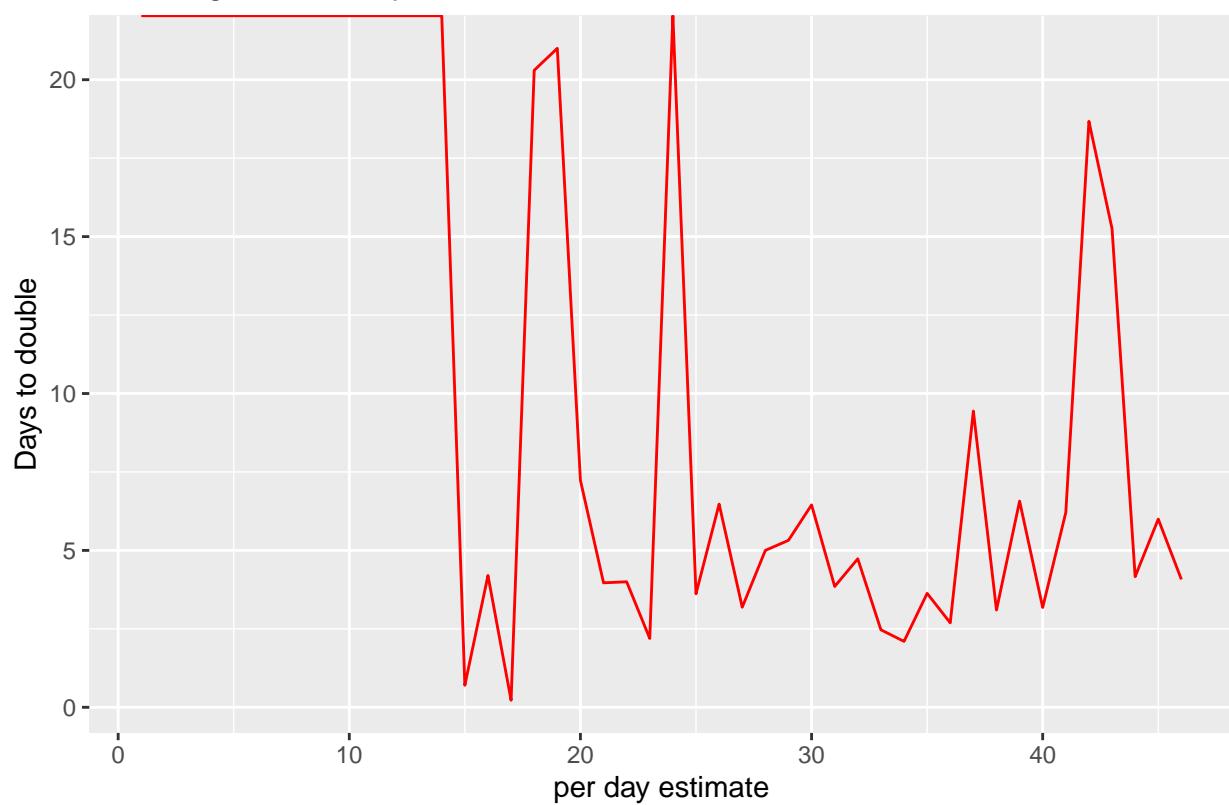
## India: Growth Rate



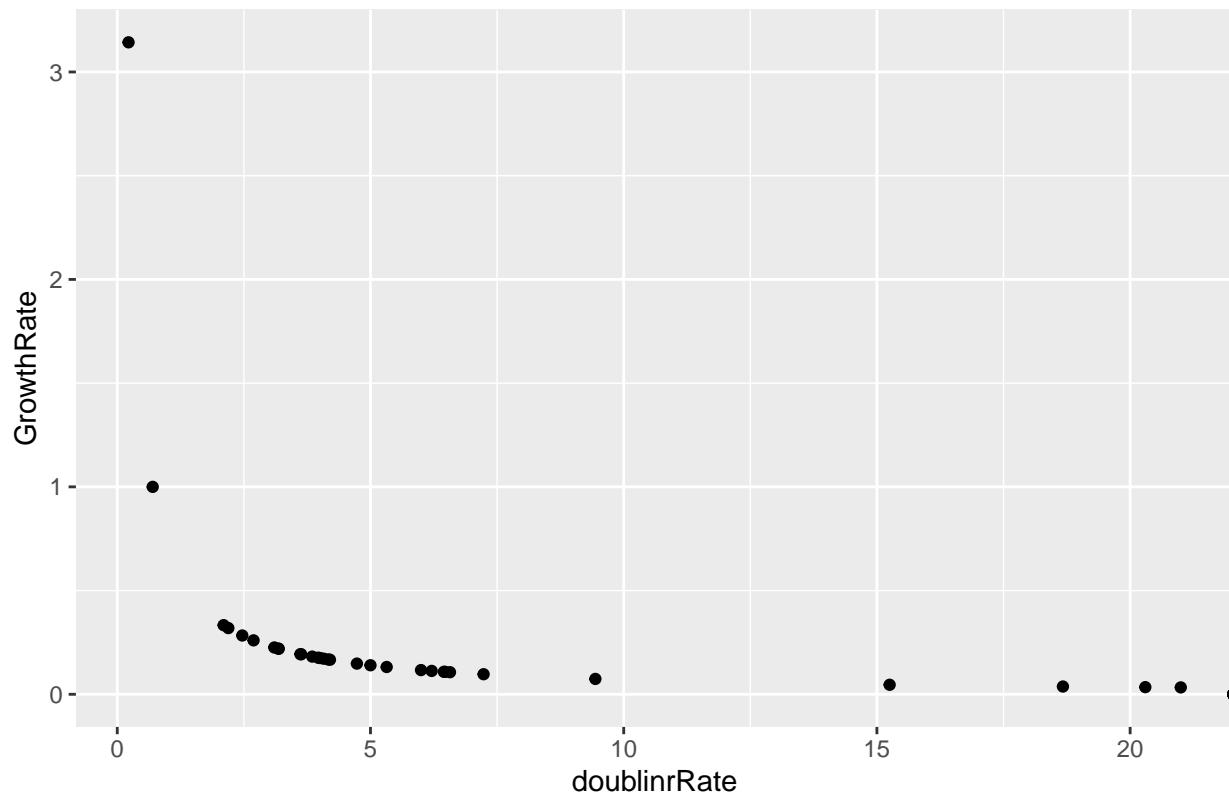
Histogram of GrowthRate



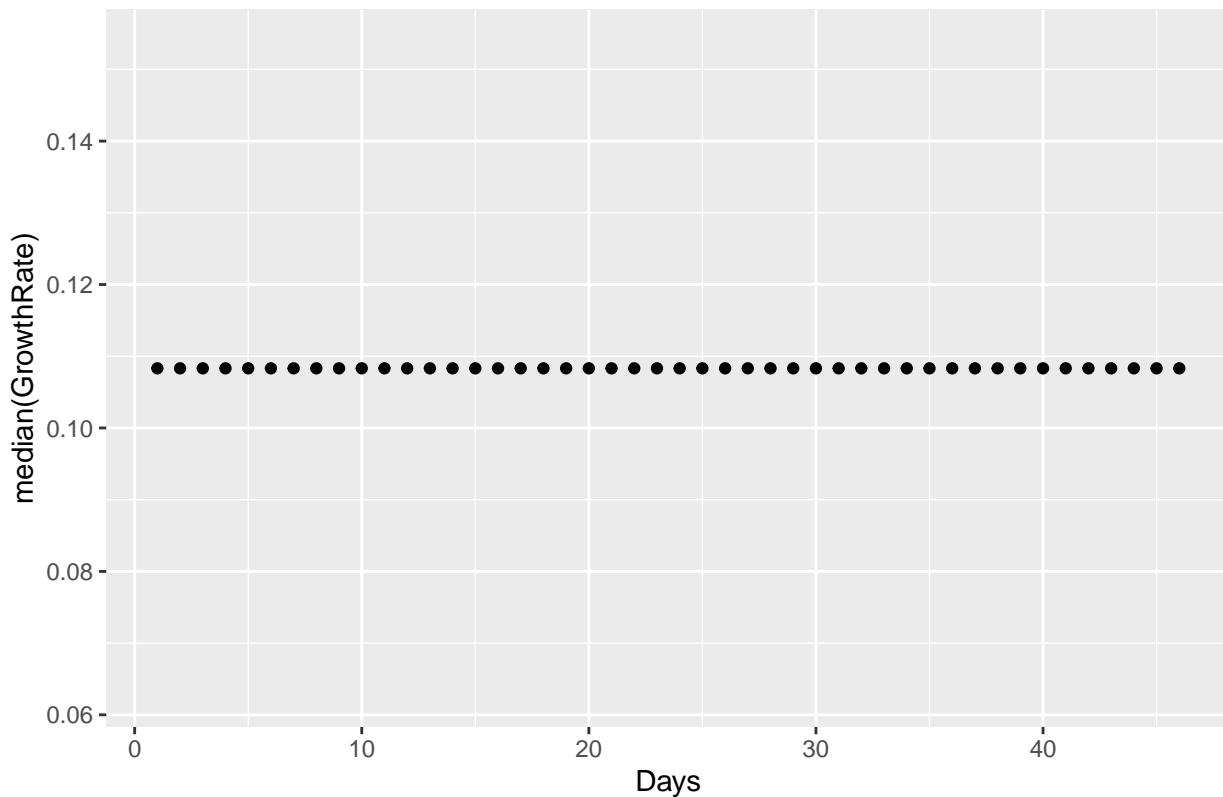
### Doubling Rate in days



Doubling Rate vs Growth Rate



## India Median Growth Rate



### Results:

- Tomorrows predicted case number is between **1918.2312097** and **1947.4849522** 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 **17.1796707** percent.
- Mean Growth Rate: **18.9667045** percent.
- Median Growth Rate: **10.831762** percent.
- Standard deviation: +/- **47.4387285**.