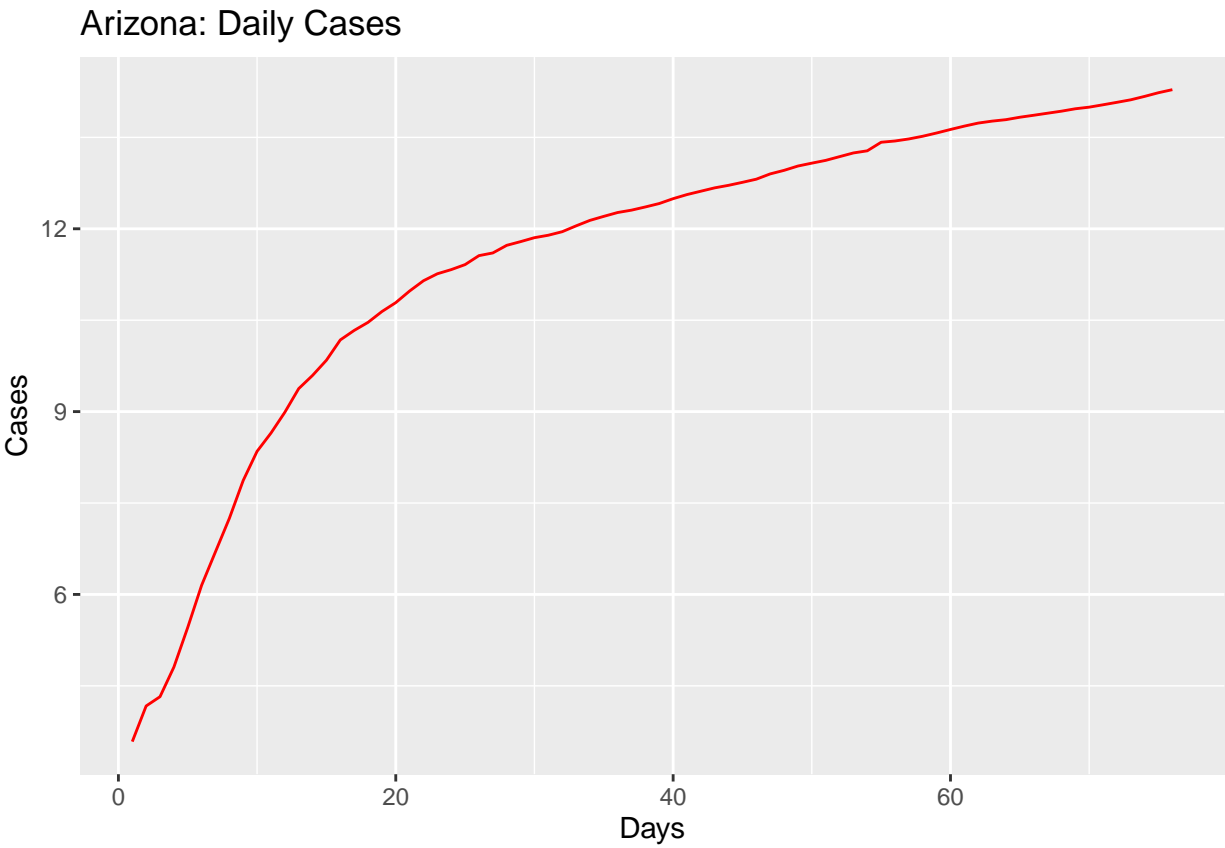
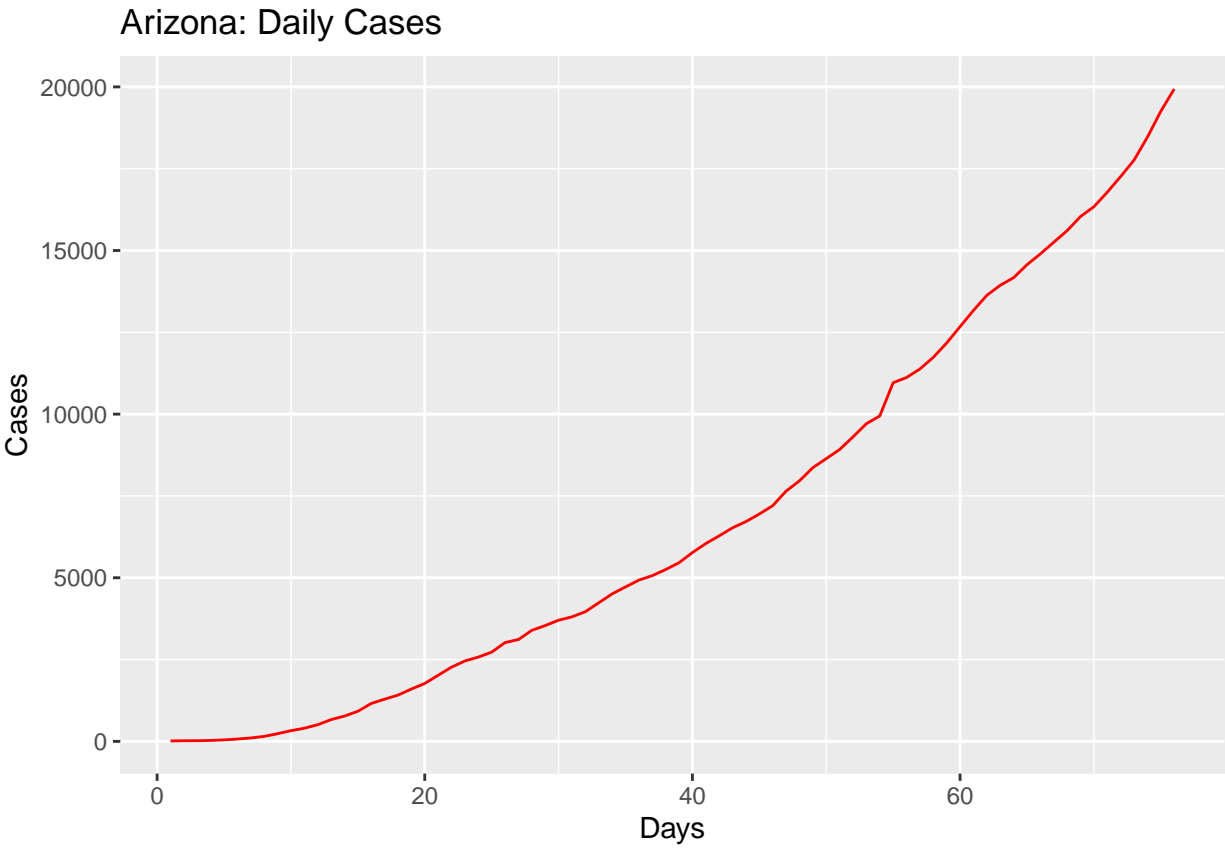


# Arizona/US/India Corona Trends- 1st June 2020 with tomorrow's prediction

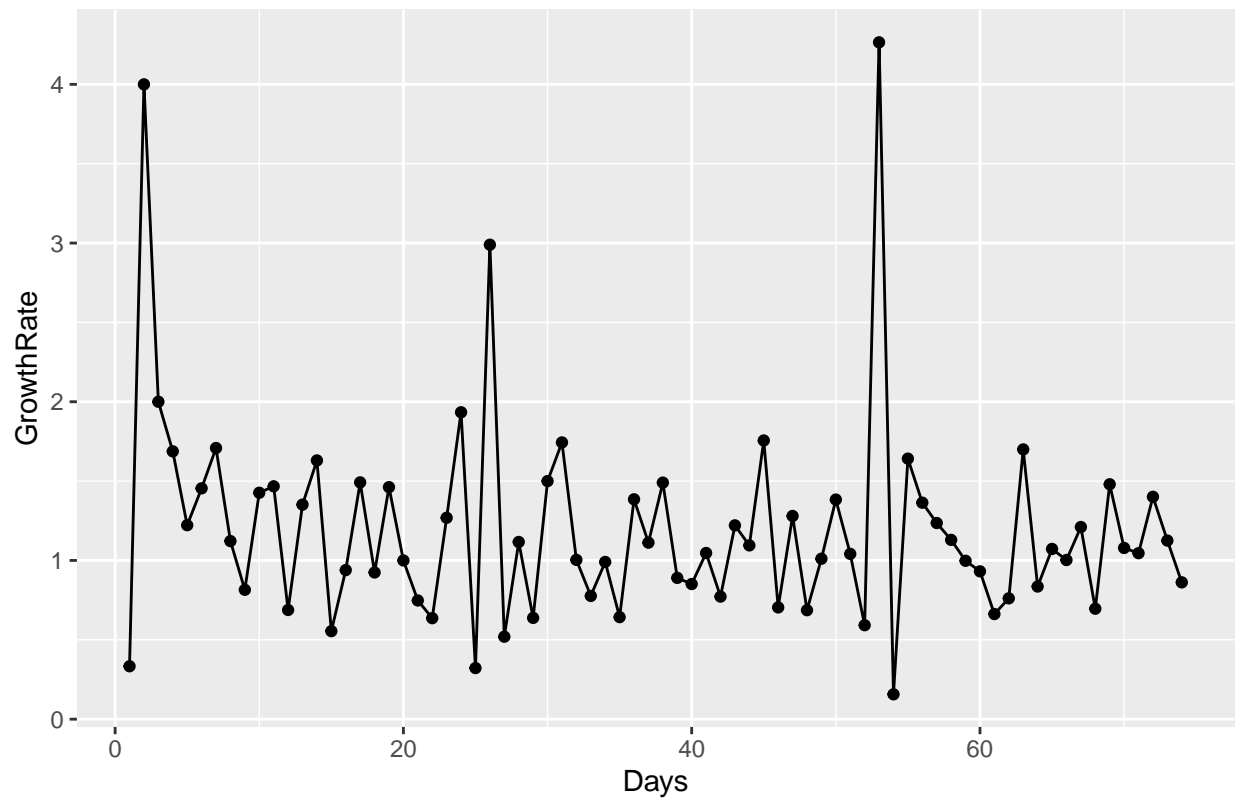
Whitchurch Muthumani

6/1/2020

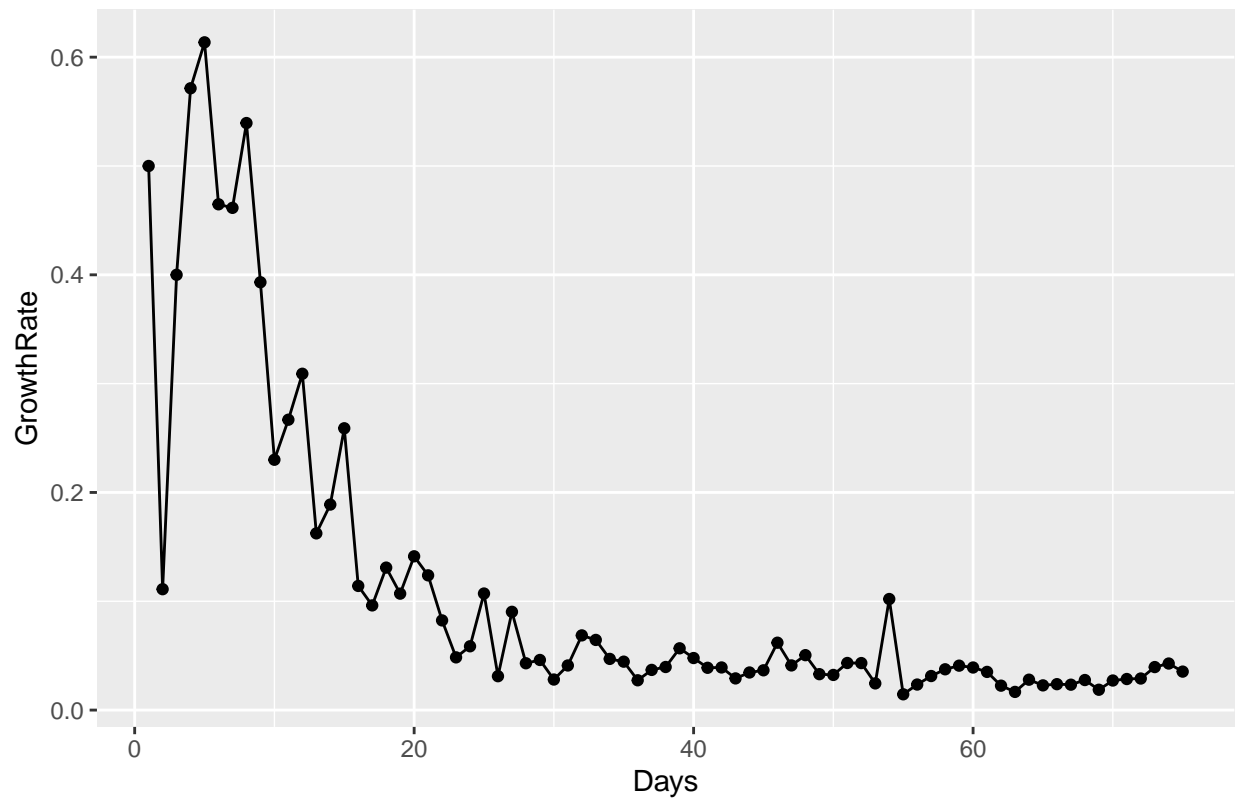
Arizona Corona Dashboard



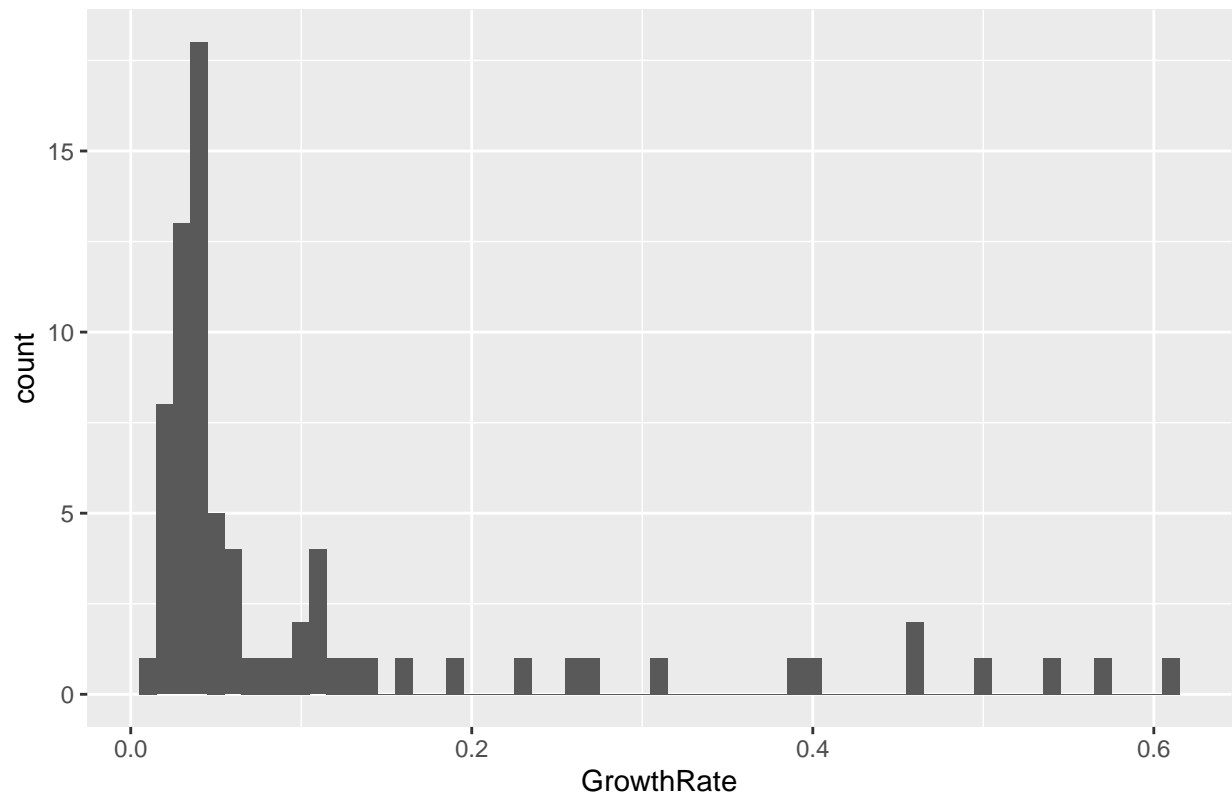
Arizona: Rate of change in Growth Rate

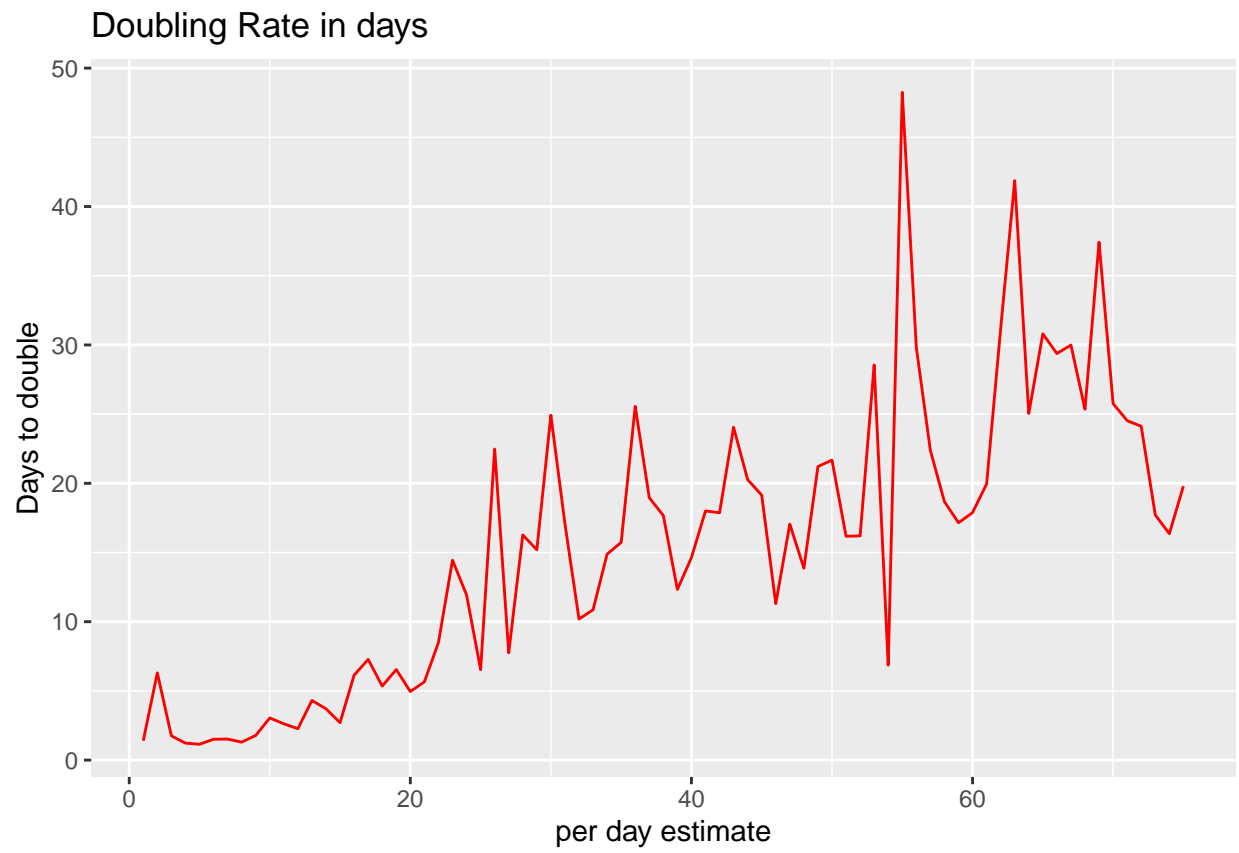


Arizona: Growth Rate

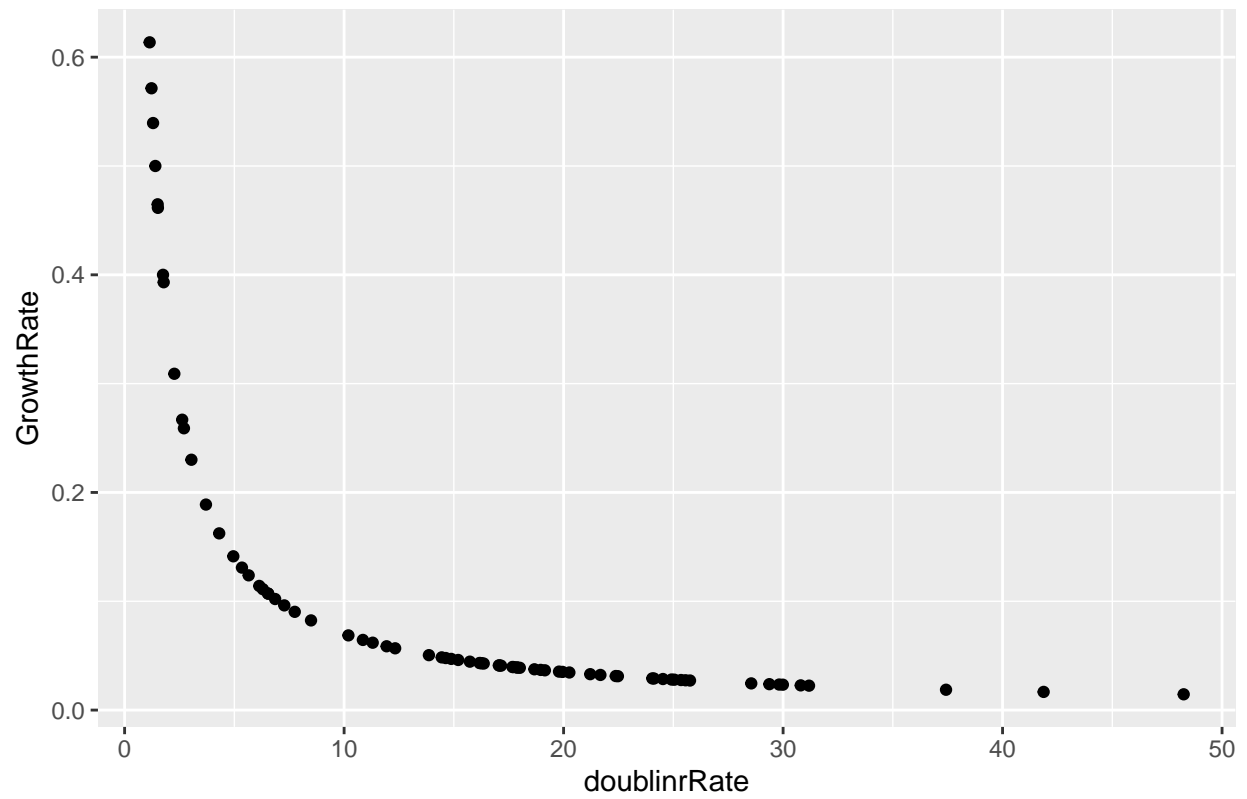


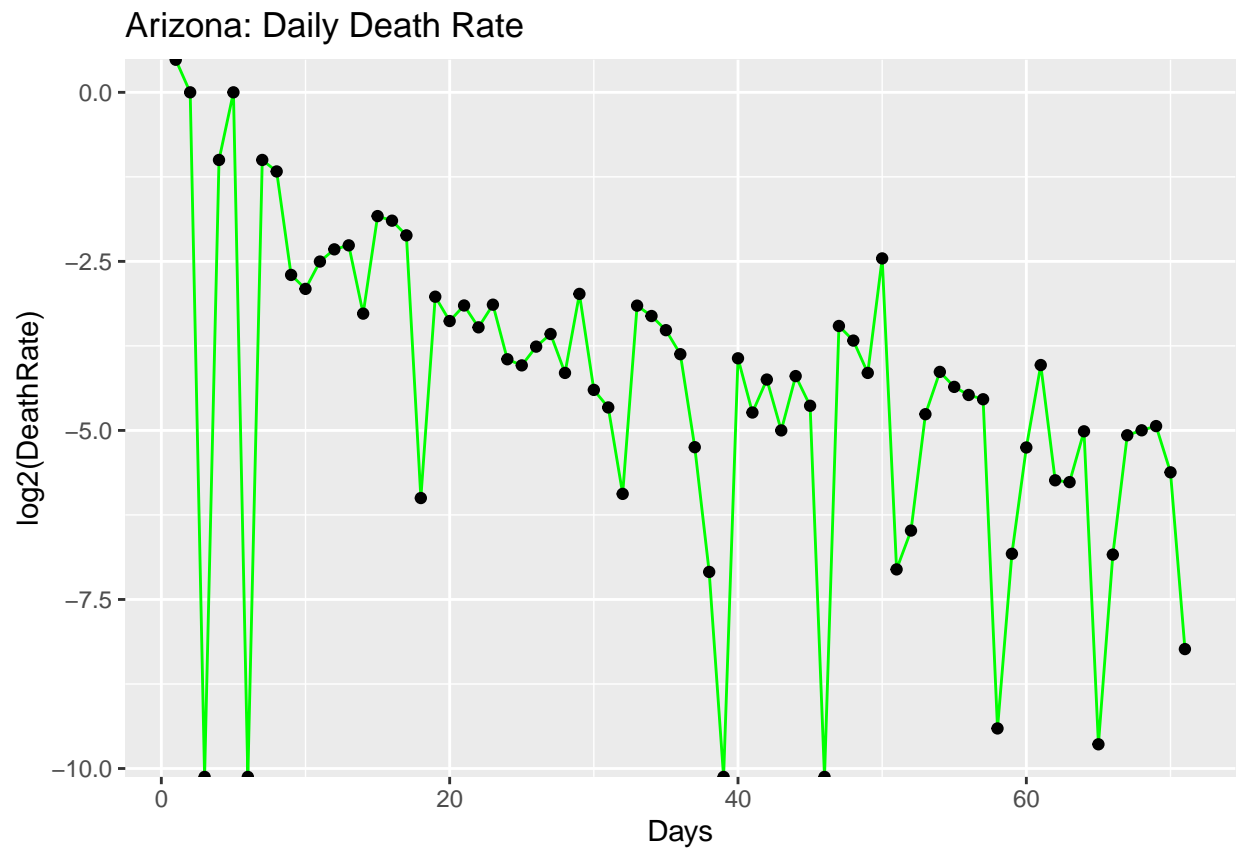
### Histogram of GrowthRate



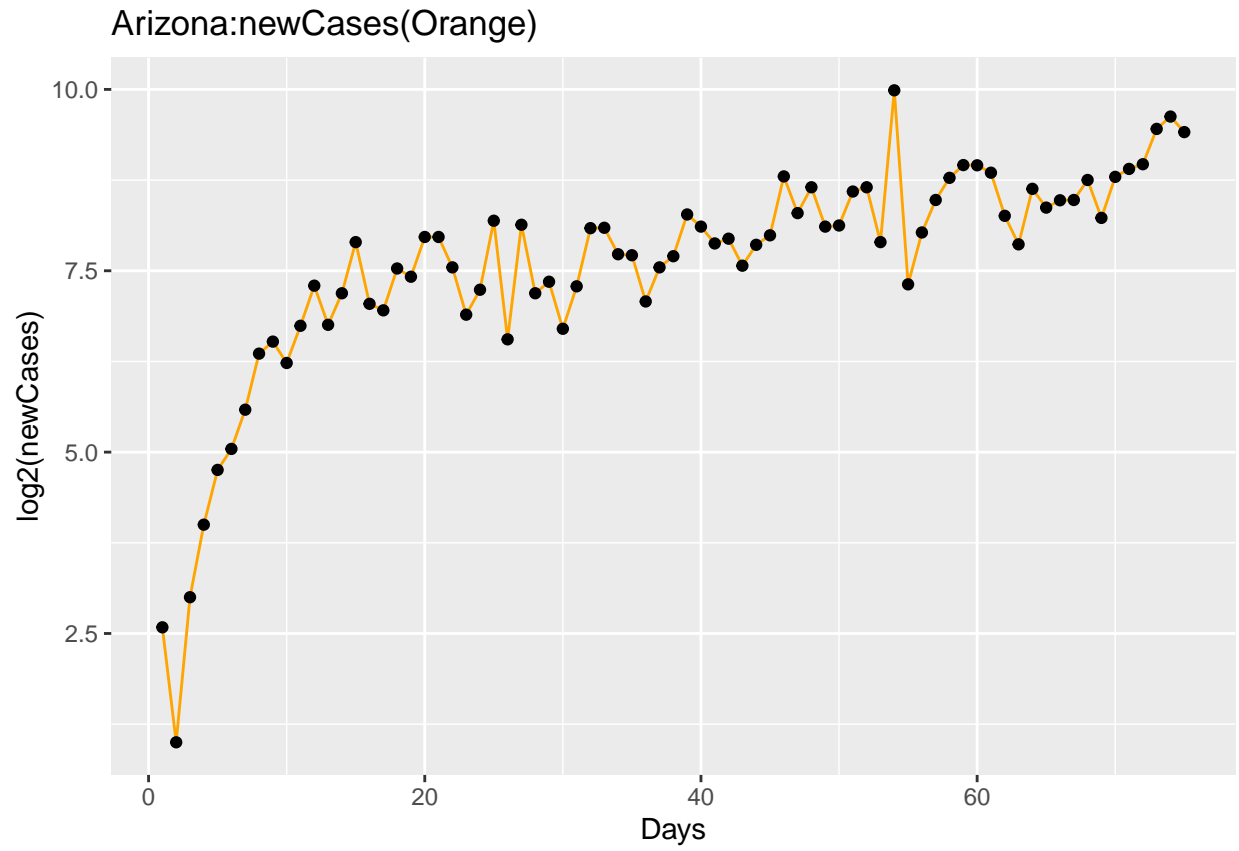


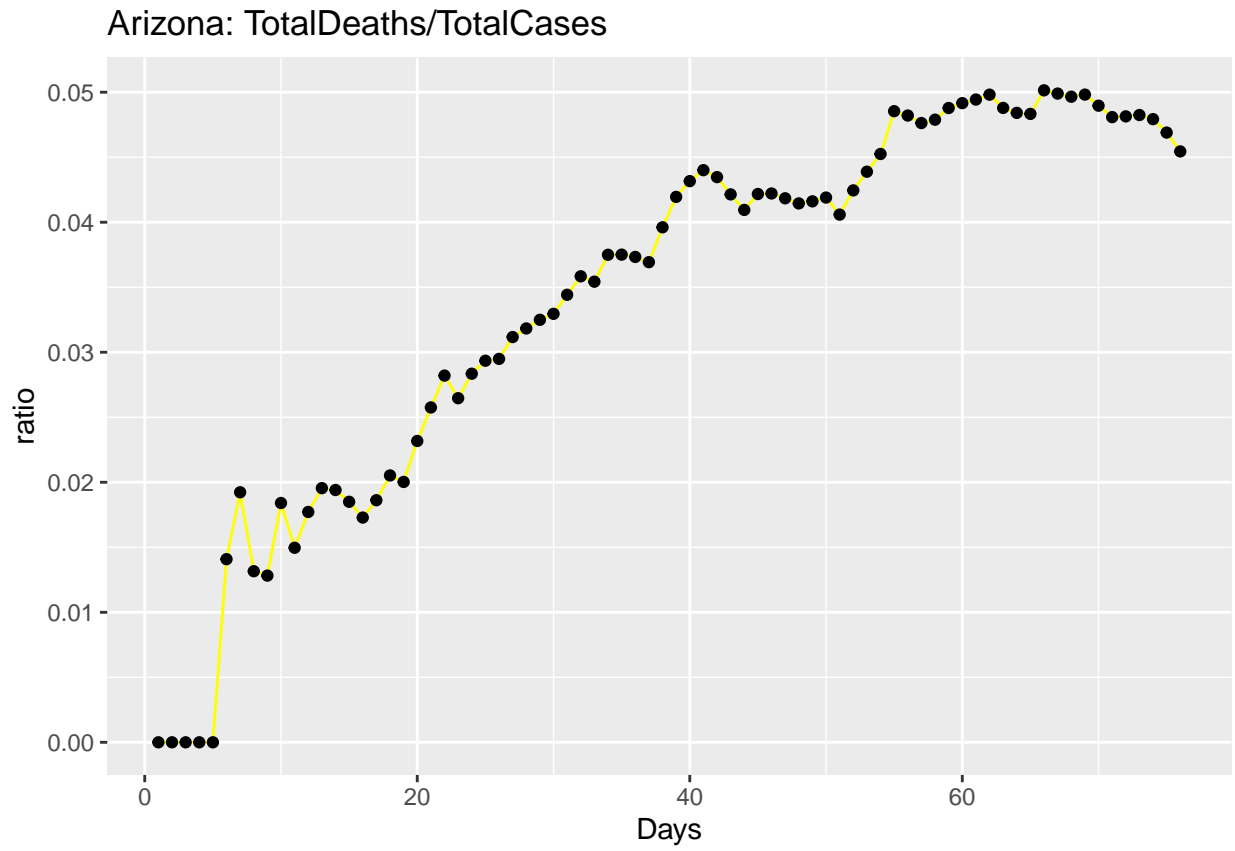
Doubling Rate vs Growth Rate

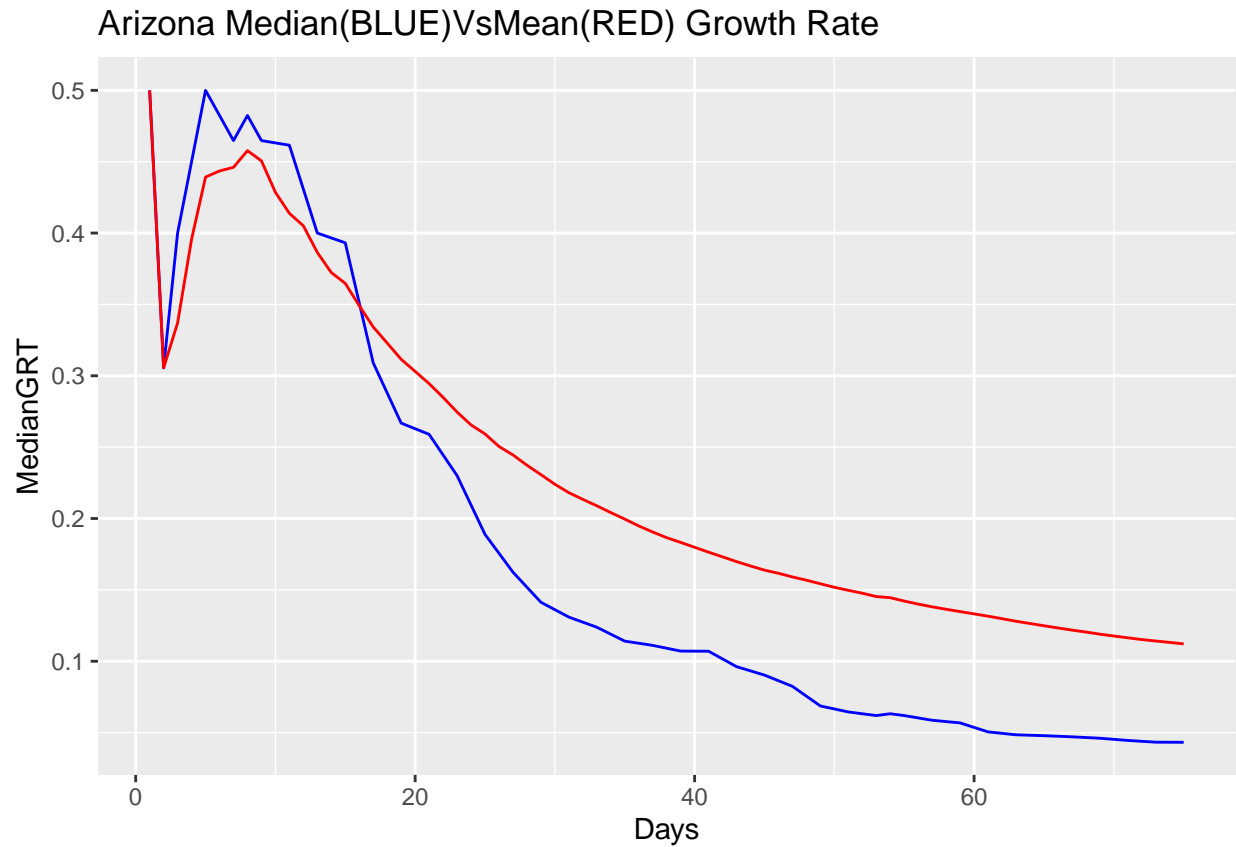










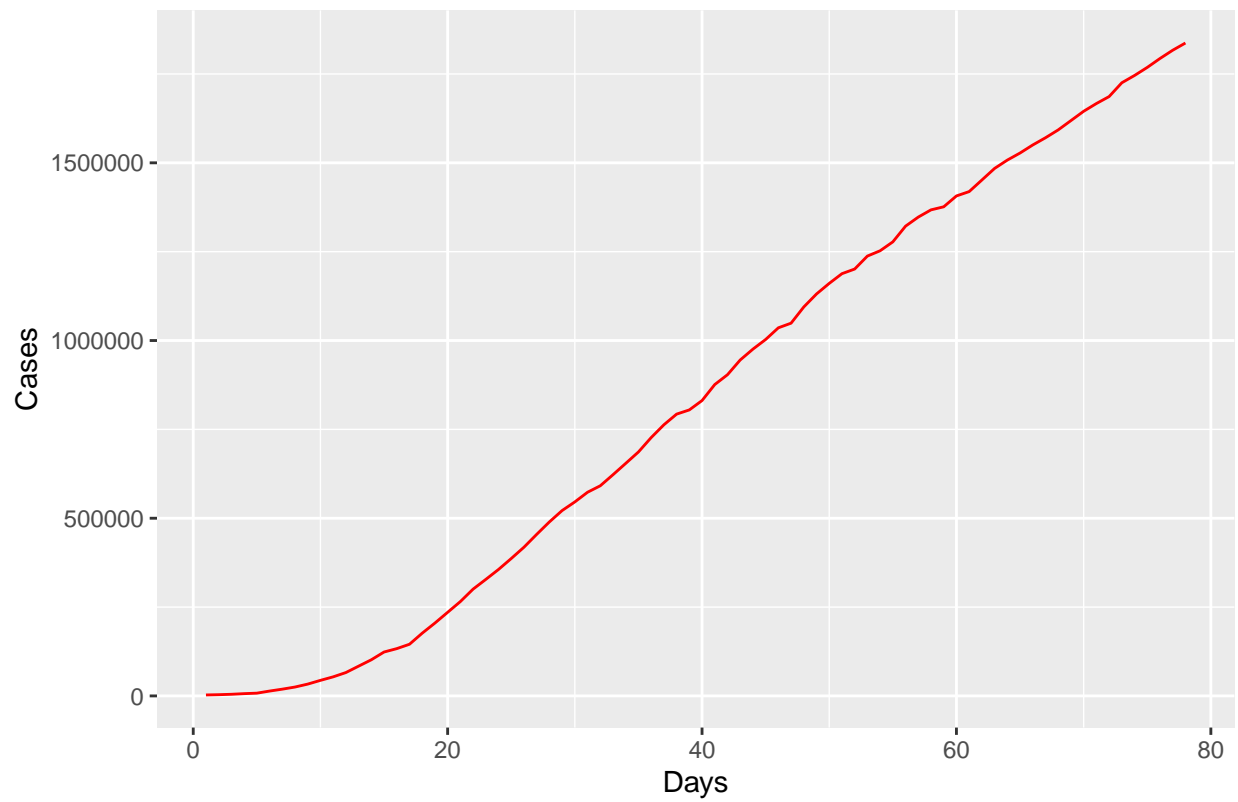


#### Results:

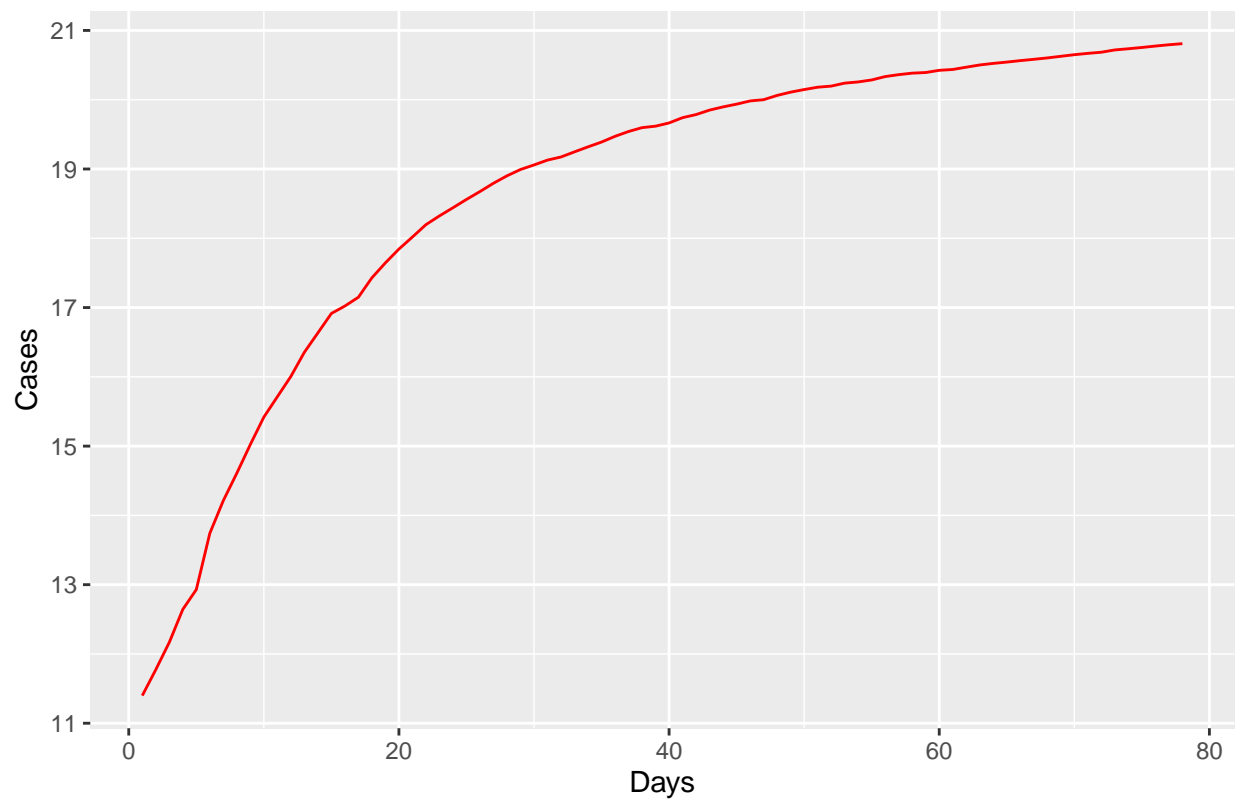
- Tomorrow's predicted case number is between  $2.0641085 \times 10^4$  and  $2.2171968 \times 10^4$  cases.
- Current doubling rate is **20 days**
- Mean doubling rate, i.e number of cases doubles every **6 days**.
- Median doubling rate, i.e number of cases doubles every **16 days**.
- Latest Observed Growth Rate **3.5367437** percent.
- Mean Growth Rate: **11.2157279** percent.
- Median Growth Rate: **4.3202579** percent.
- Standard deviation: +/- **14.7214878**.

## US Corona Dashboard

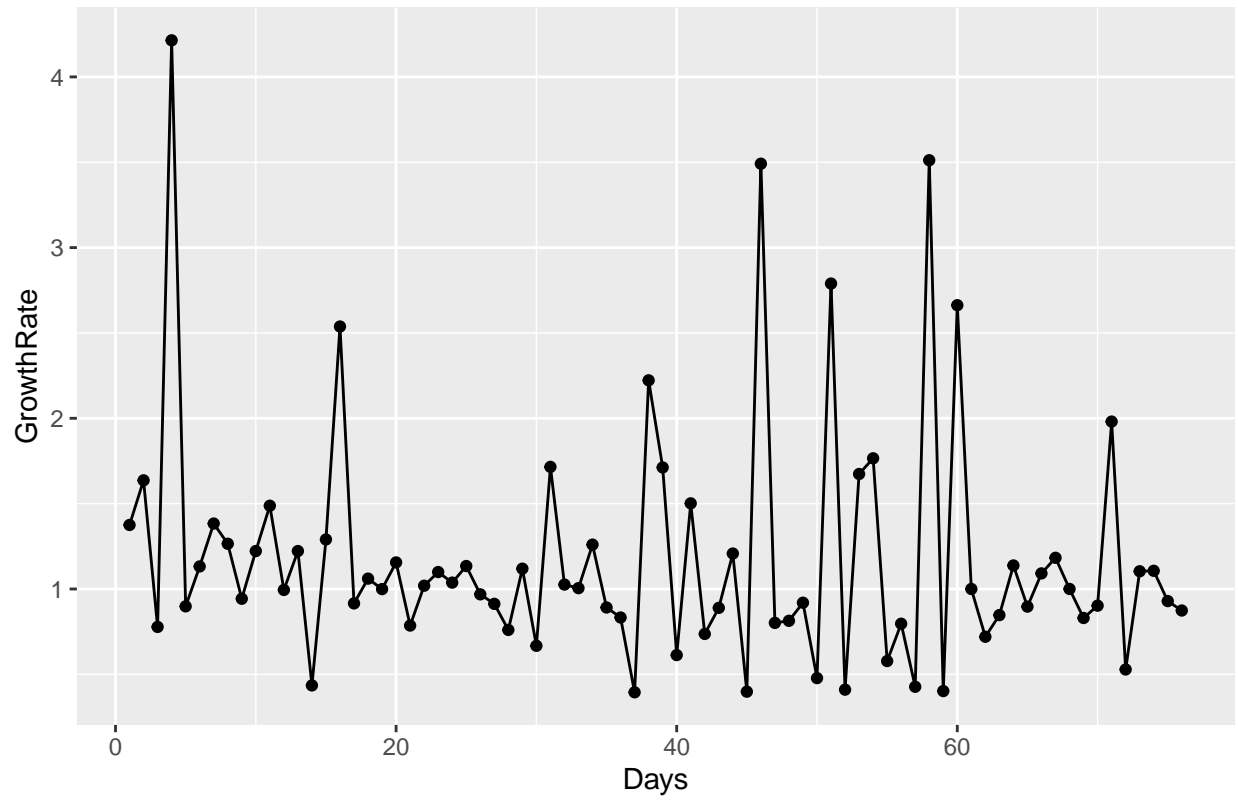
### US: Daily Cases



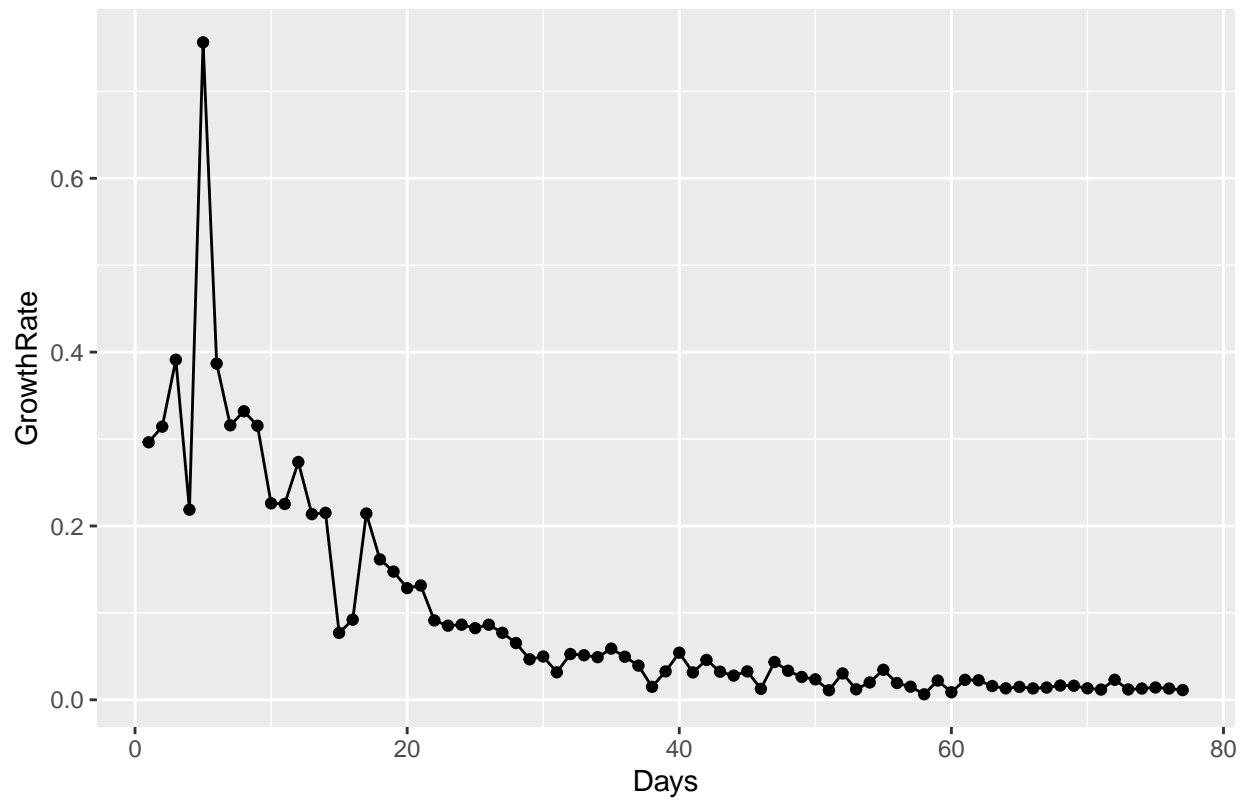
### US: Daily Cases

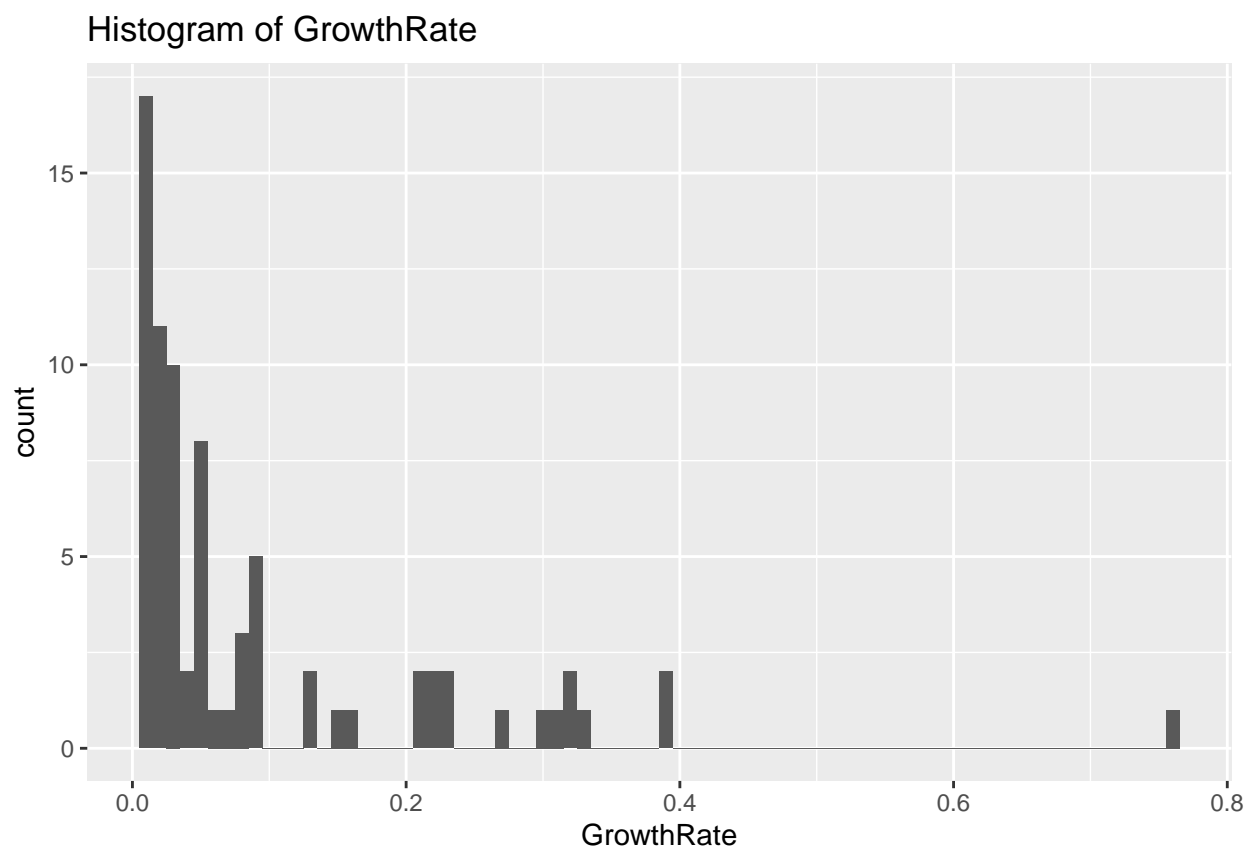


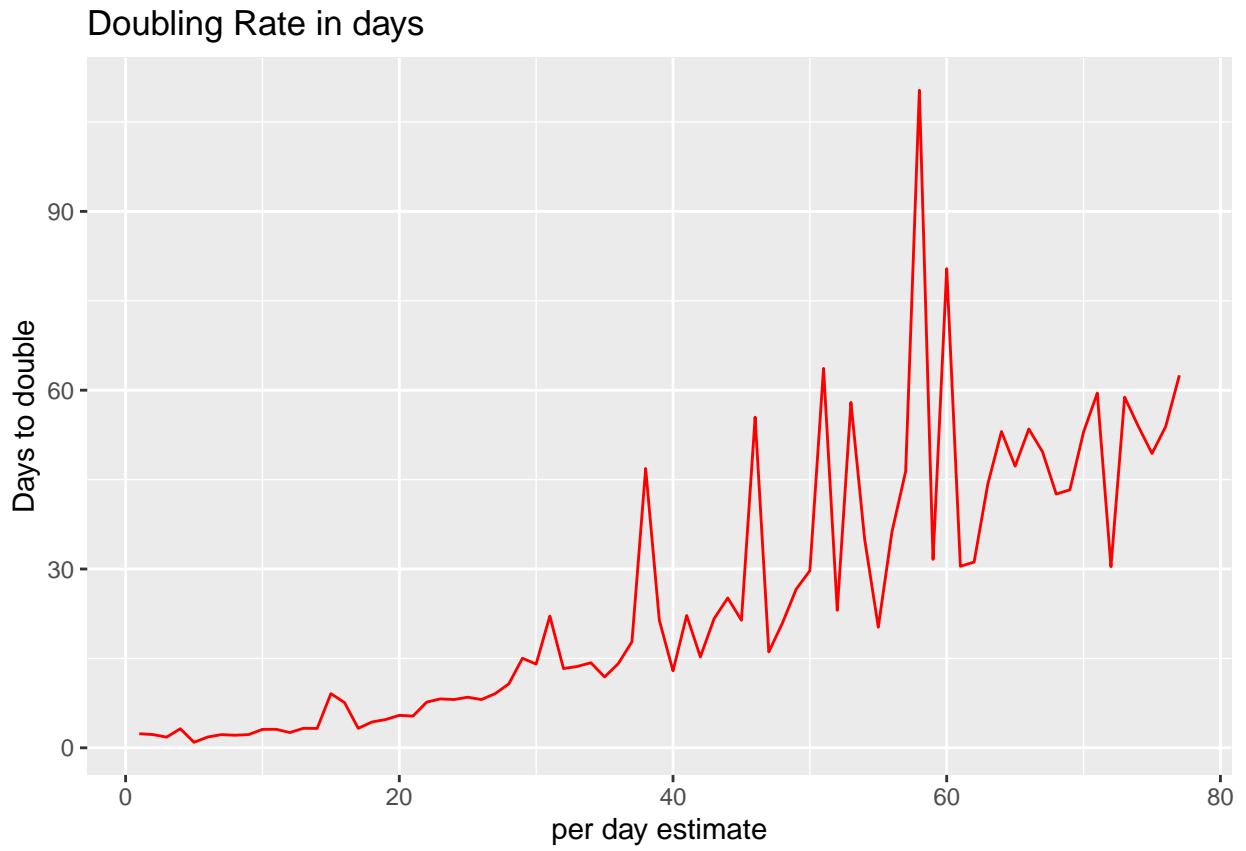
US: Rate of change in Growth Rate



US: Growth Rate

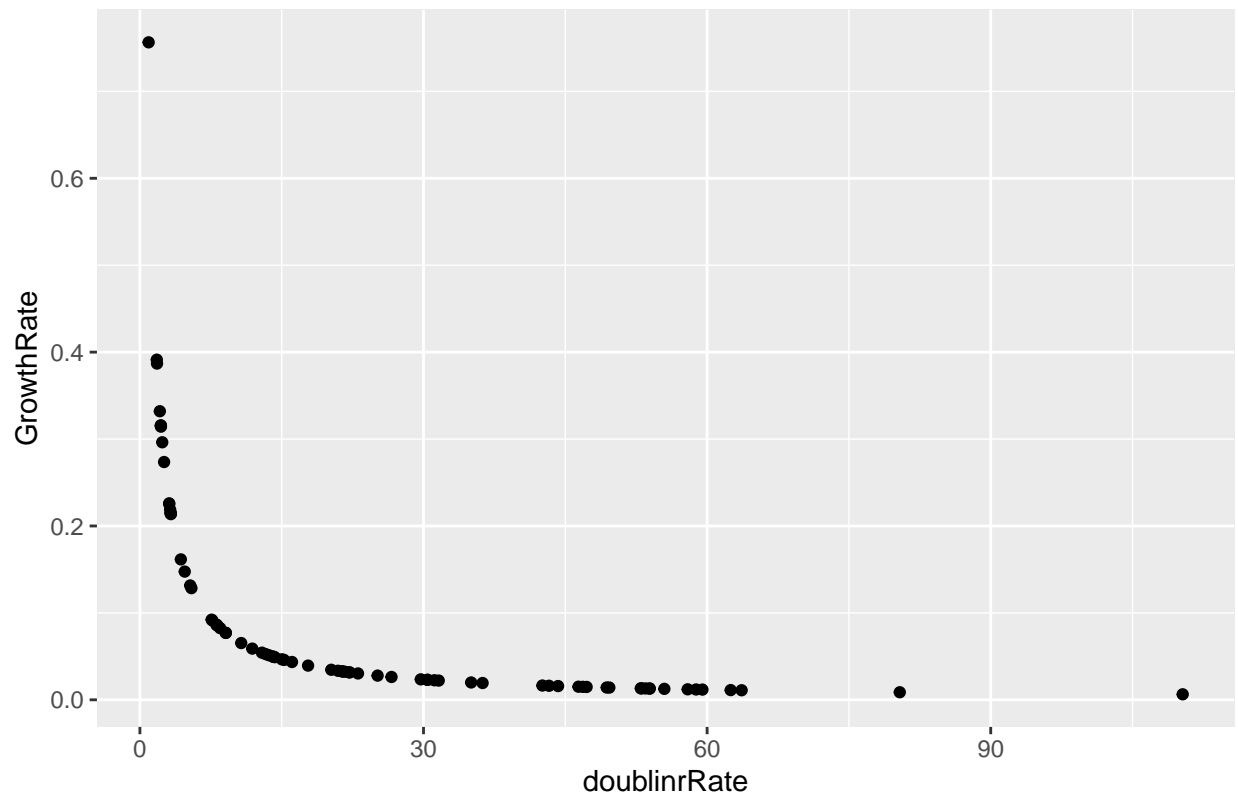


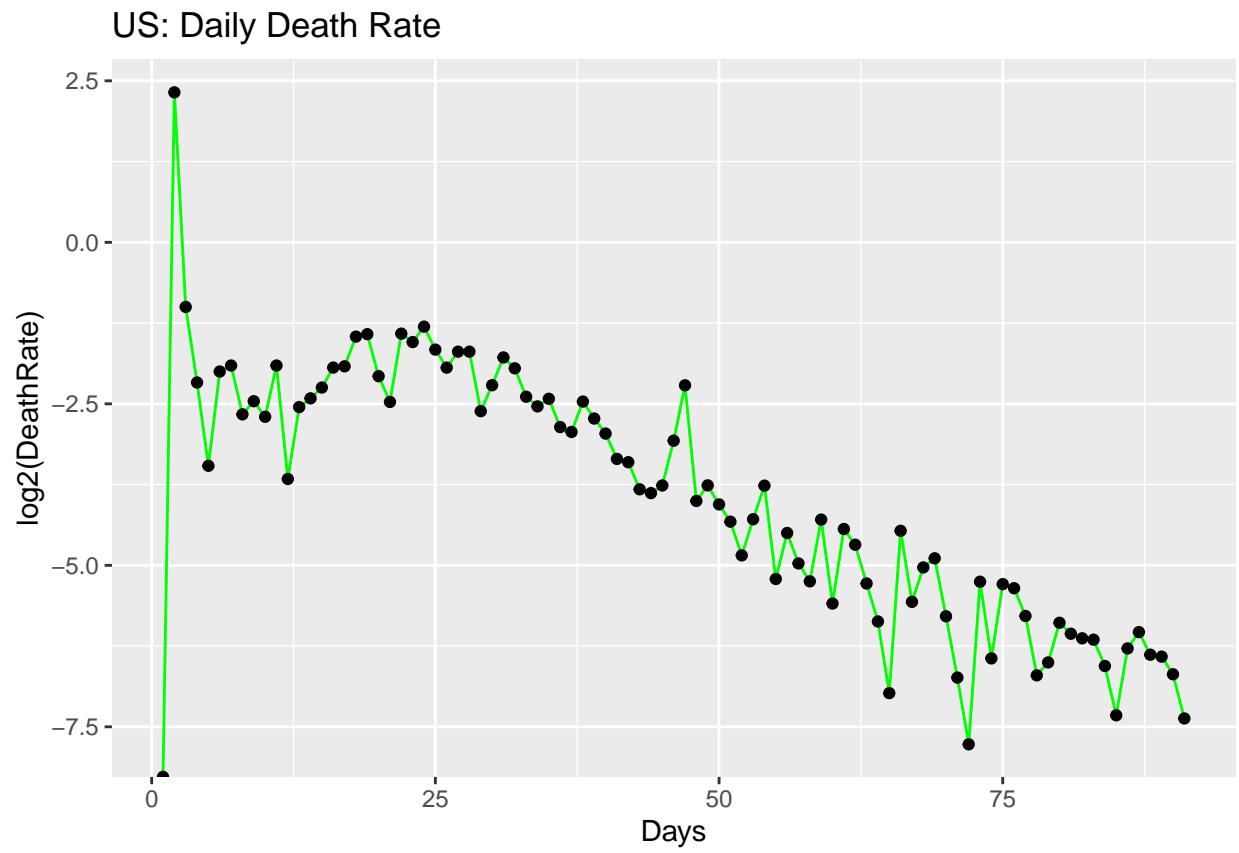


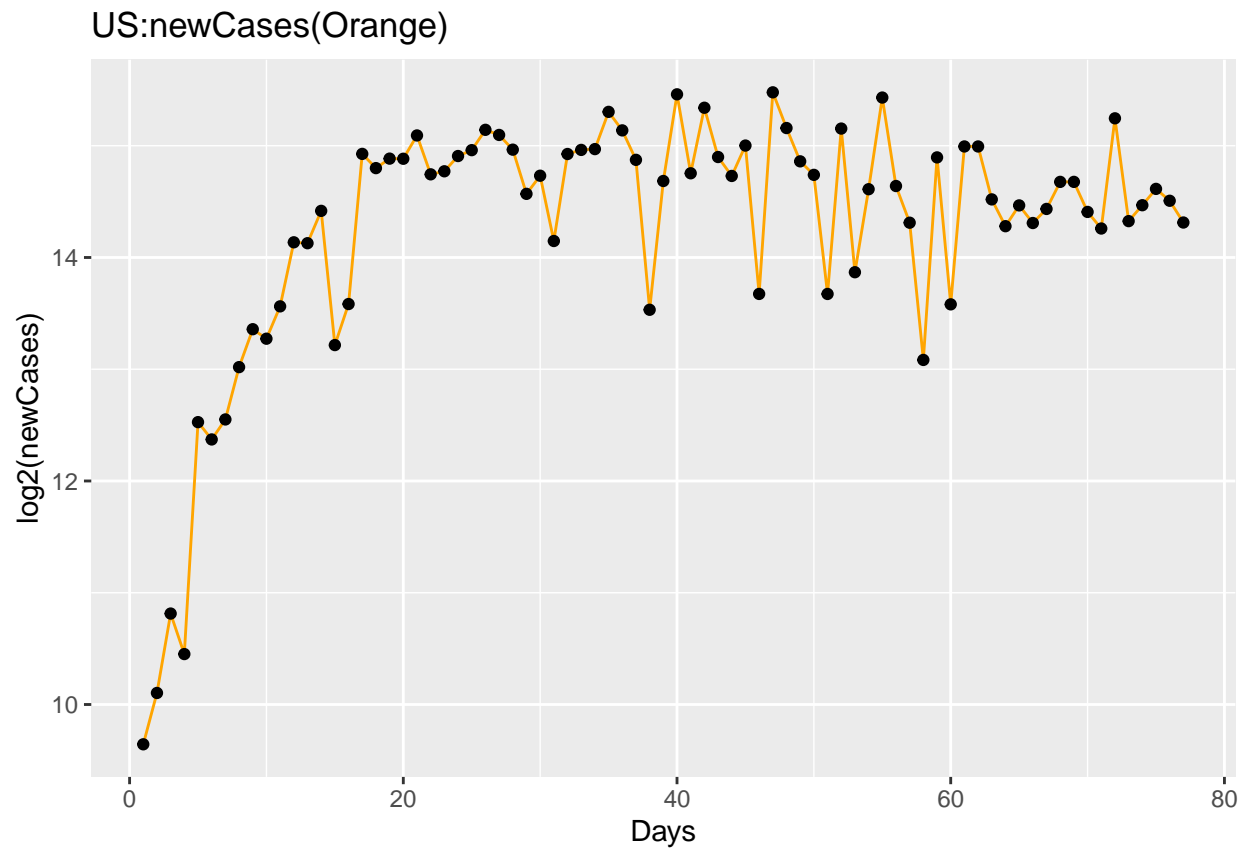


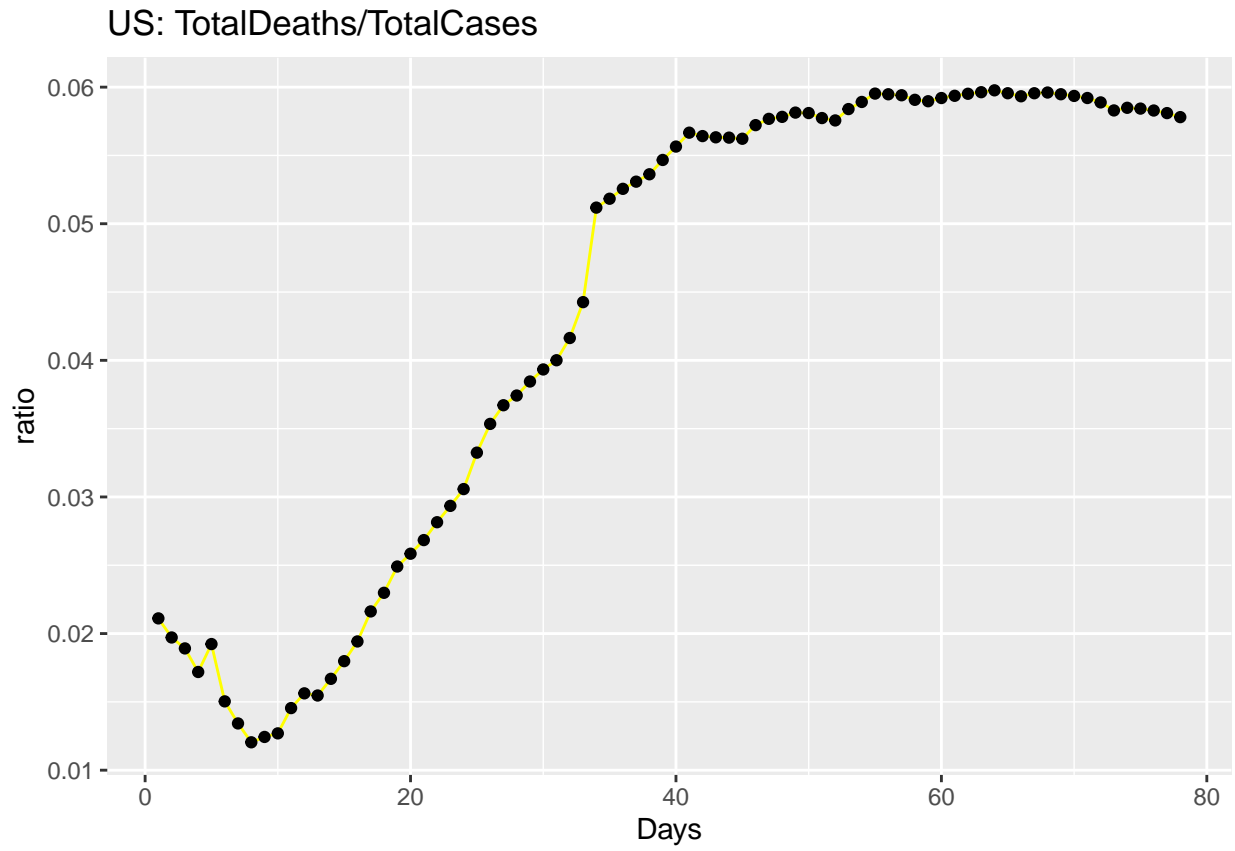


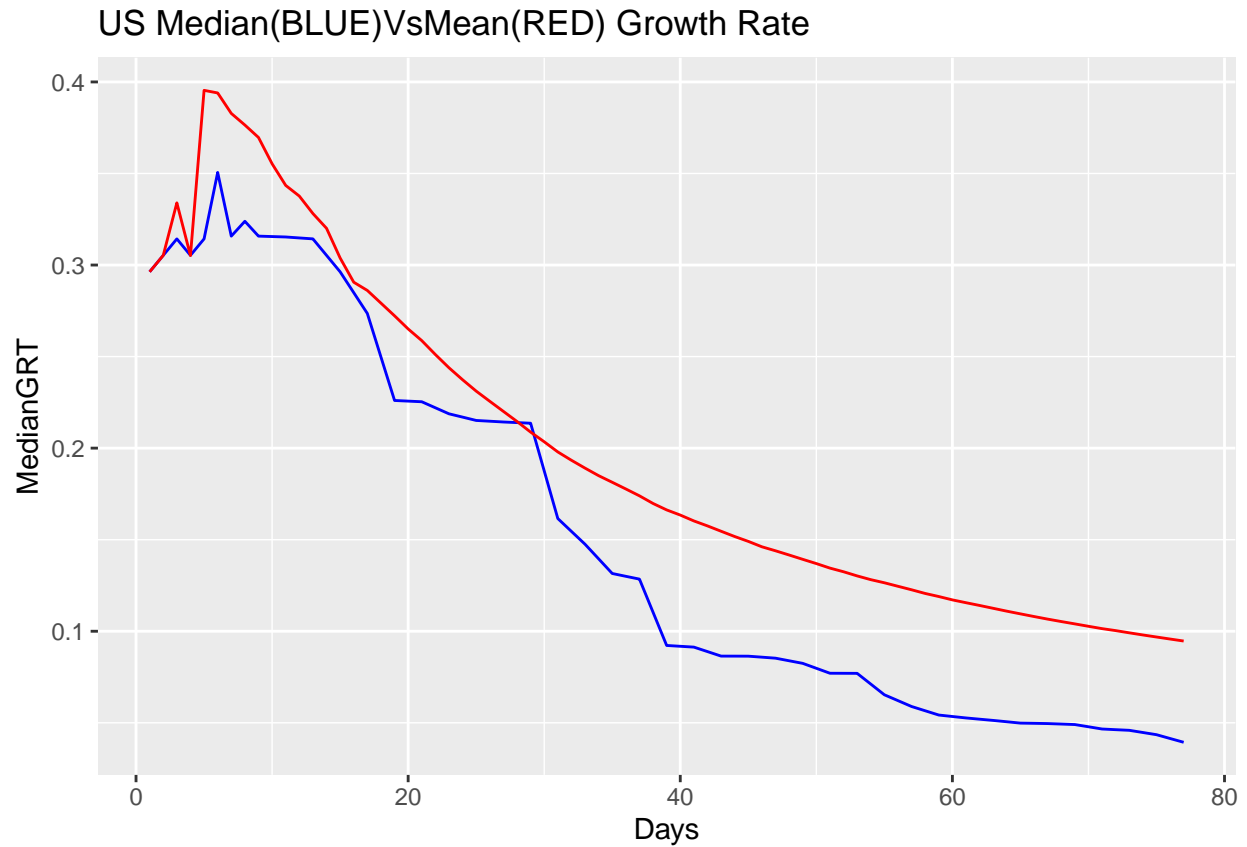
Doubling Rate vs Growth Rate







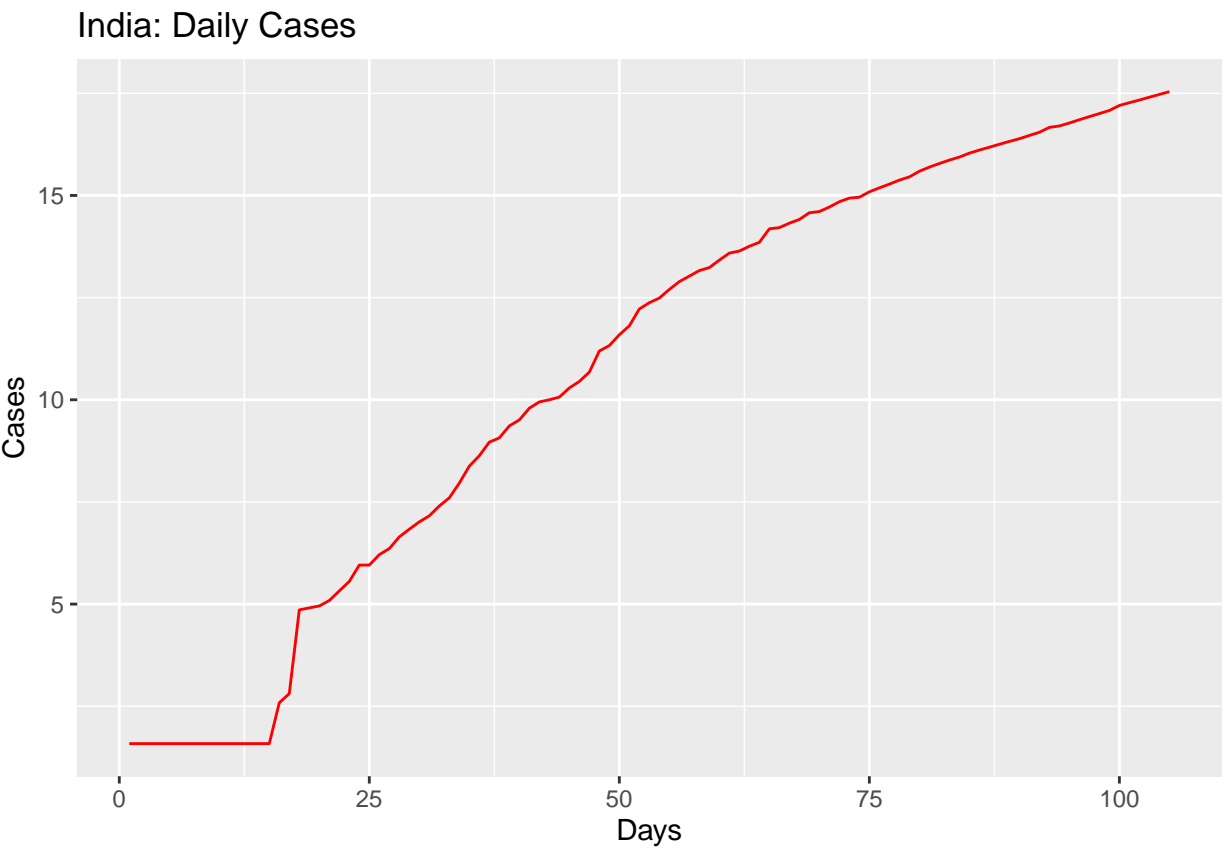
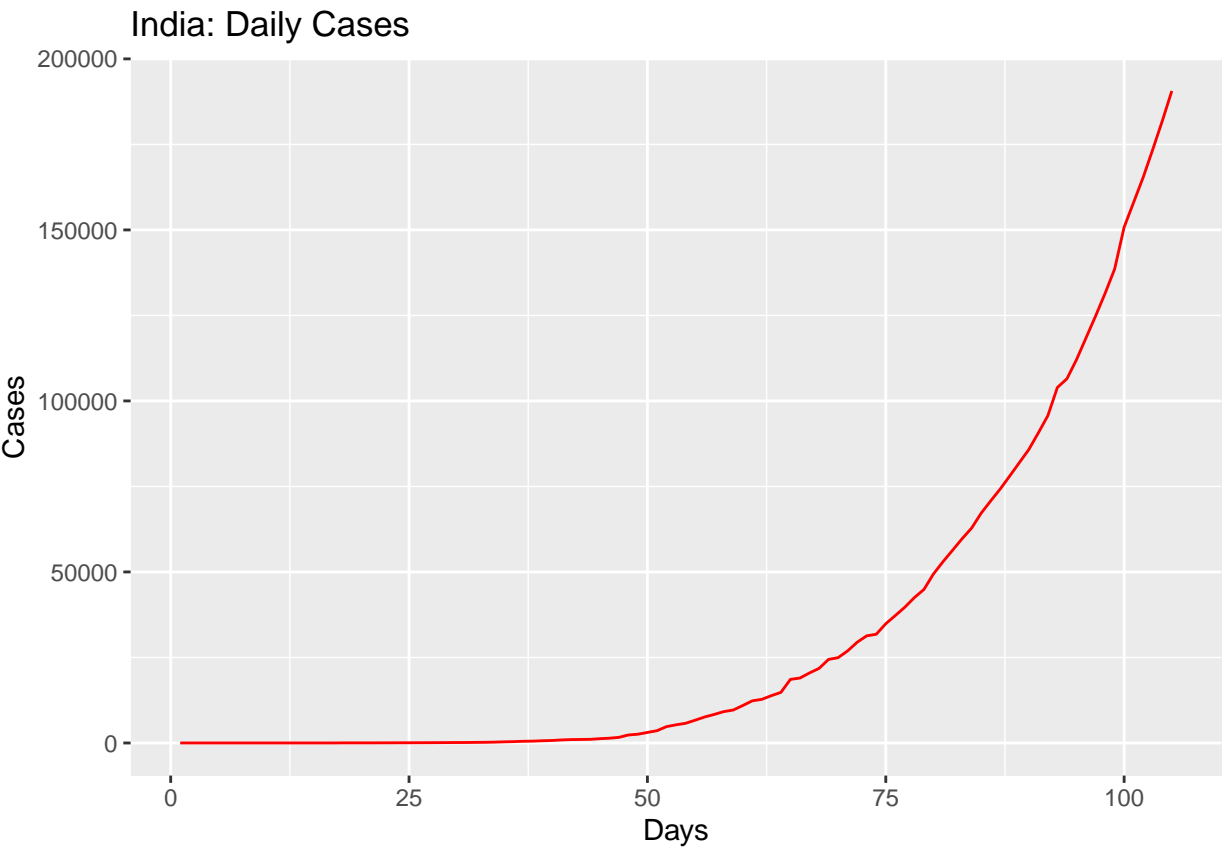




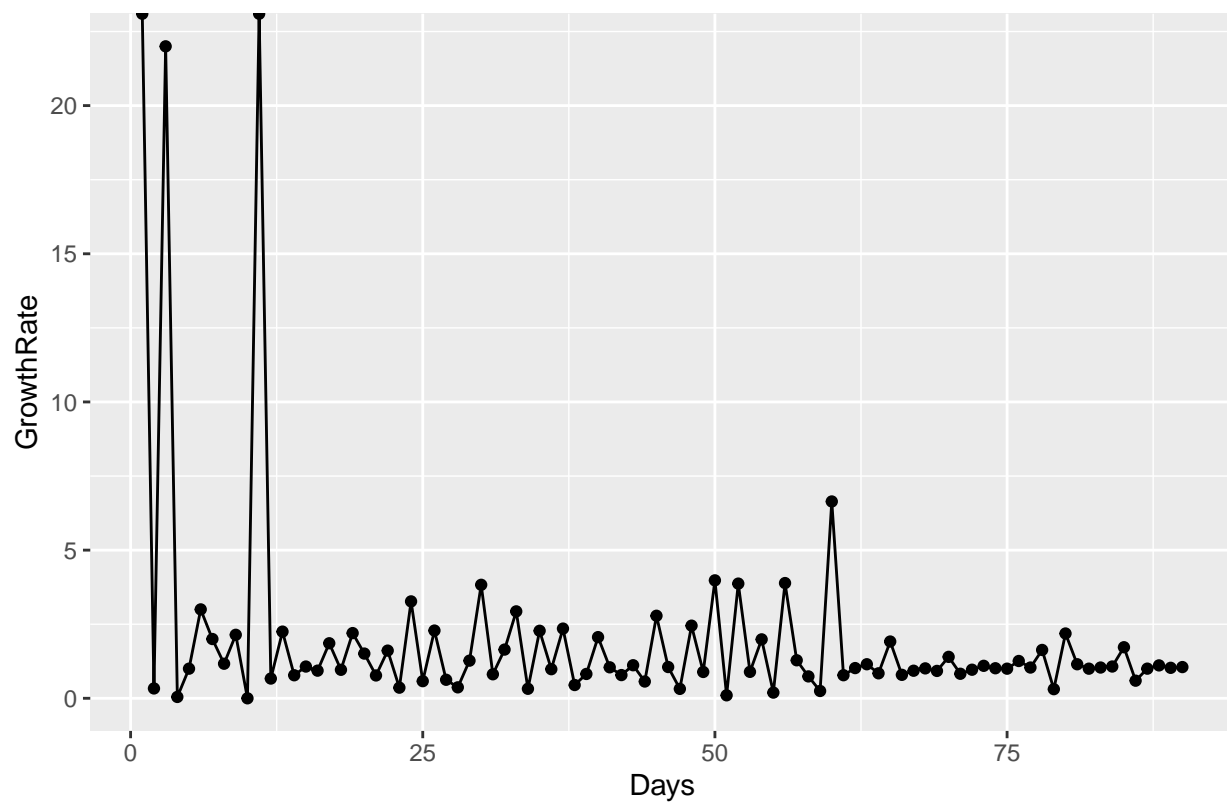
#### Results:

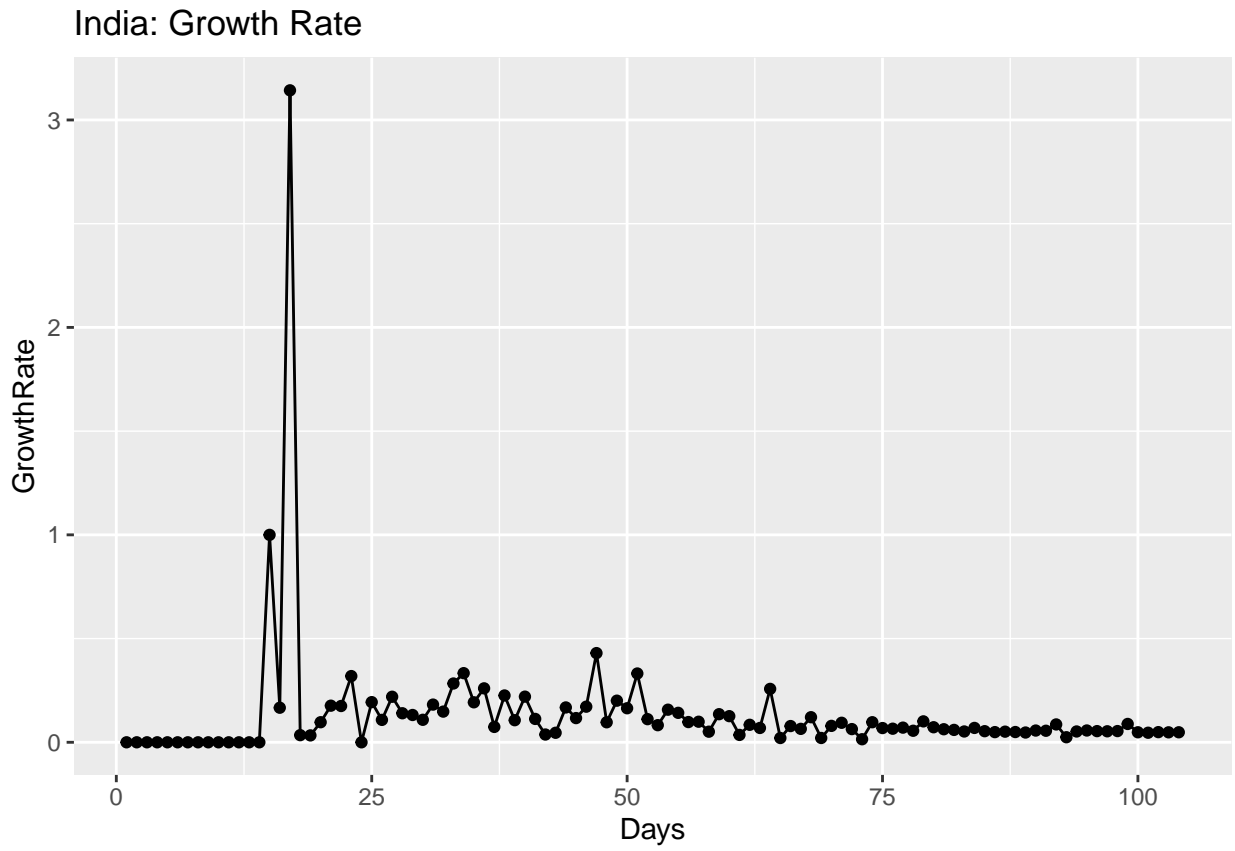
- Tomorrow's predicted case number is between  $1.8577479 \times 10^6$  and  $2.0110533 \times 10^6$  cases.
- Current doubling rate is **62 days**
- Mean doubling rate, i.e number of cases doubles every **7 days**.
- Median doubling rate, i.e number of cases doubles every **18 days**.
- Latest Observed Growth Rate **1.1200889** percent.
- Mean Growth Rate: **9.4647341** percent.
- Median Growth Rate: **3.9346123** percent.
- Standard deviation: +/- **12.726426**.

India Corona Dashboard

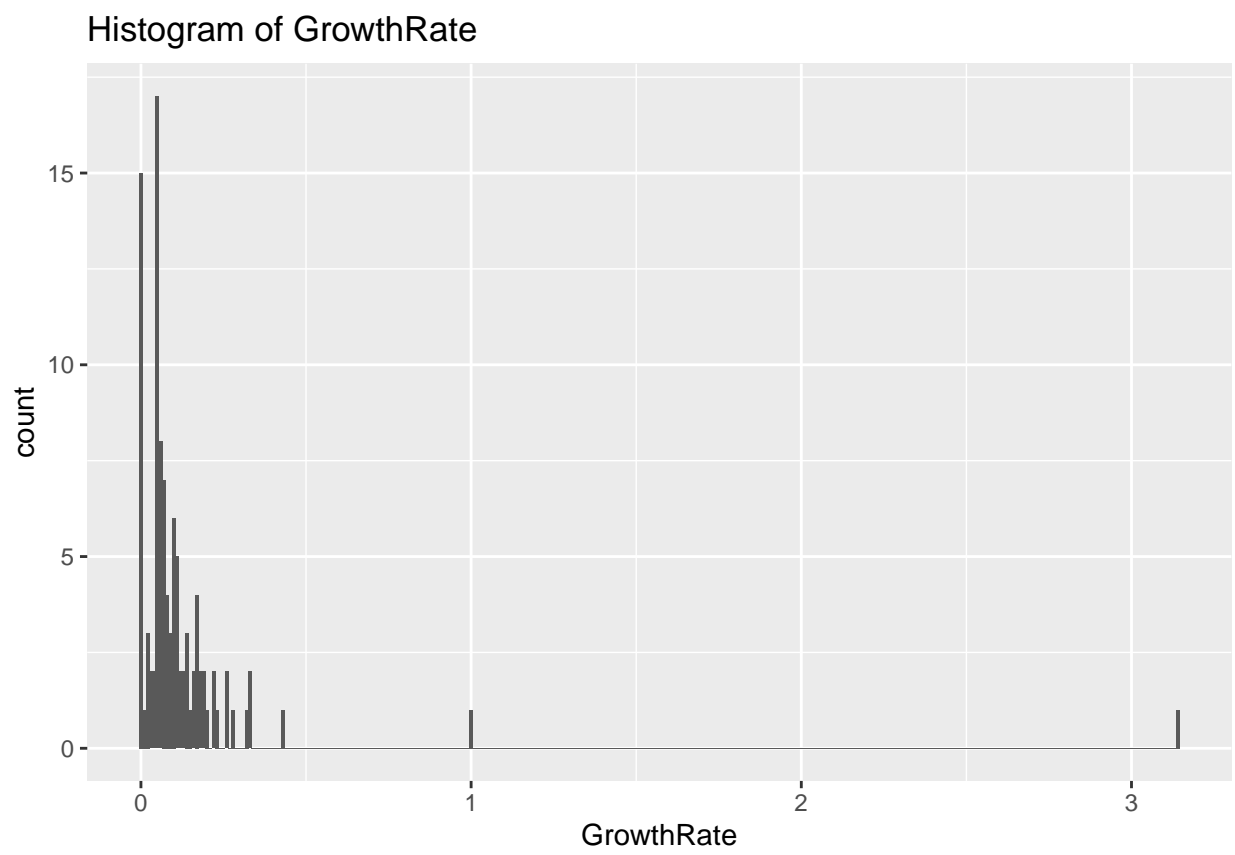


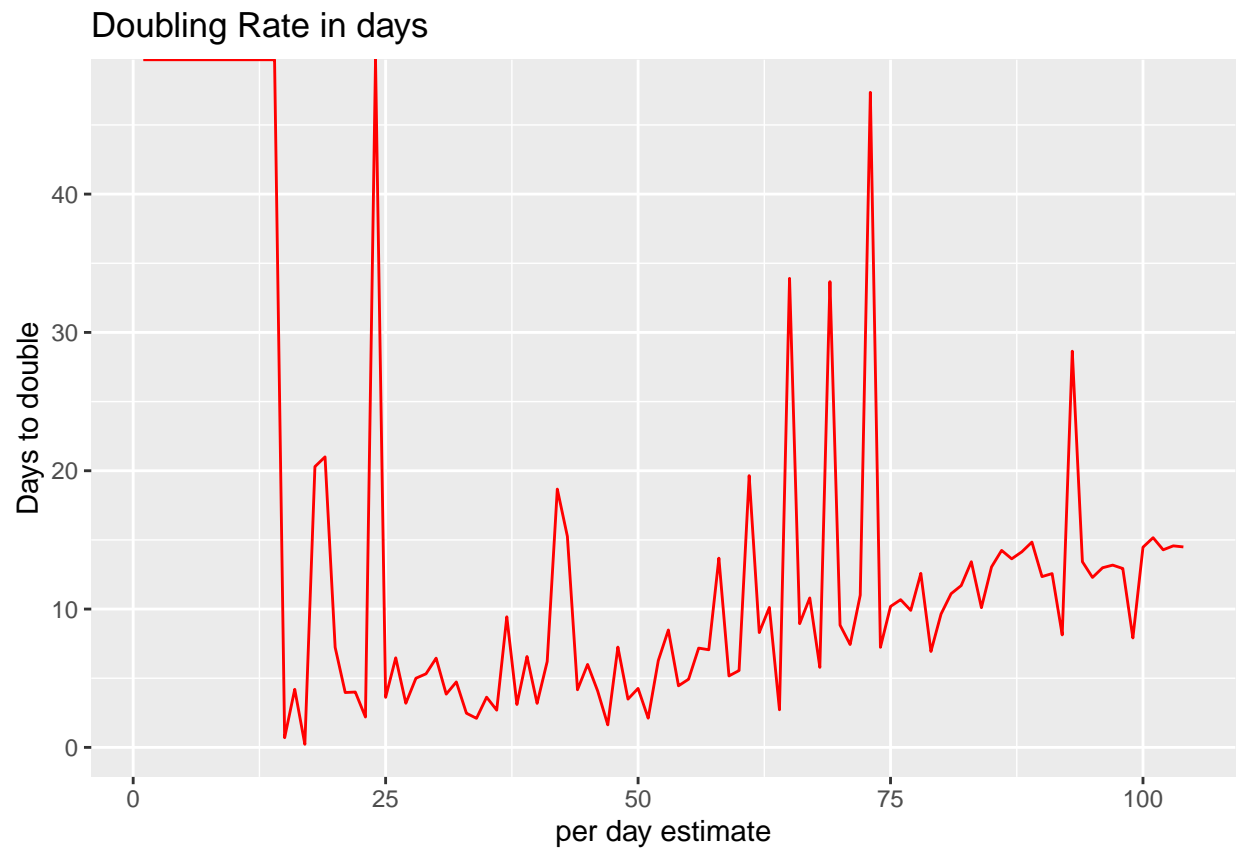
US: Rate of change in Growth Rate

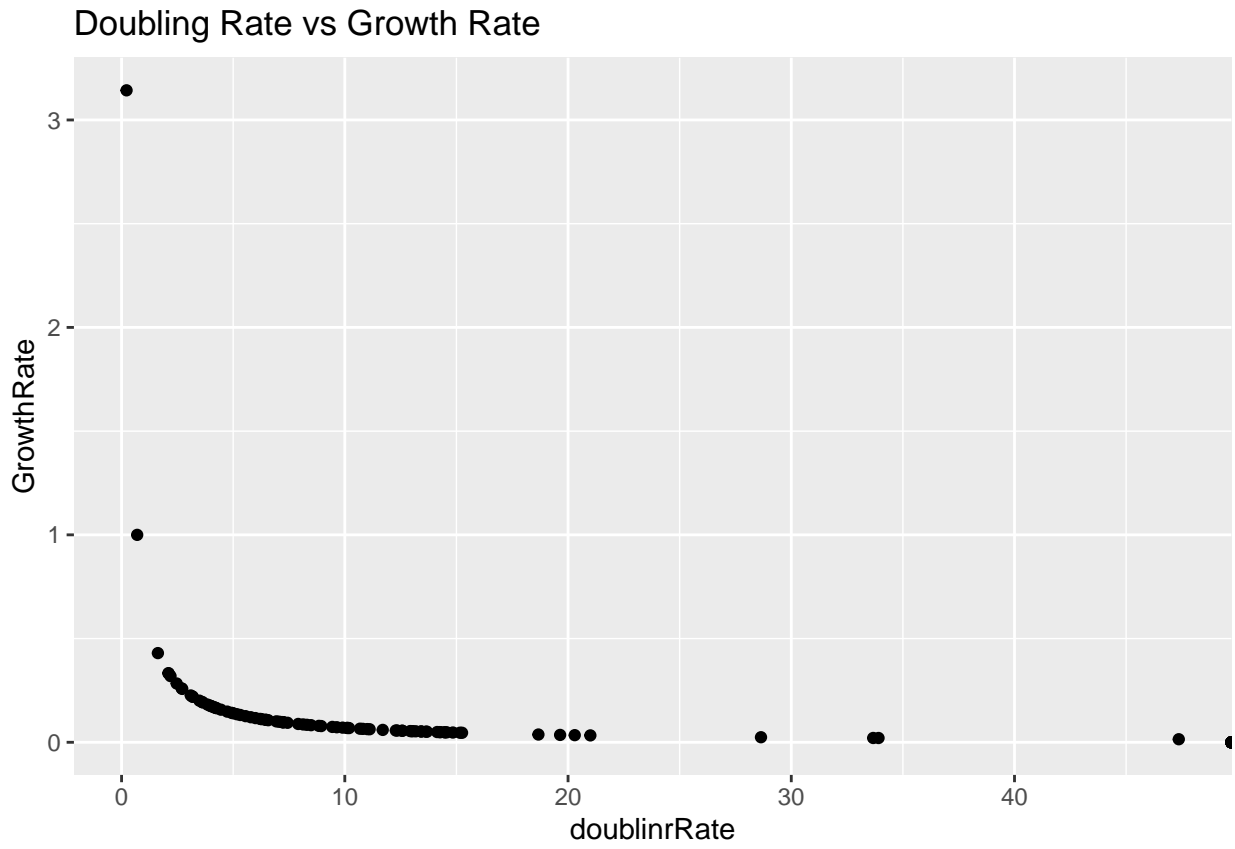


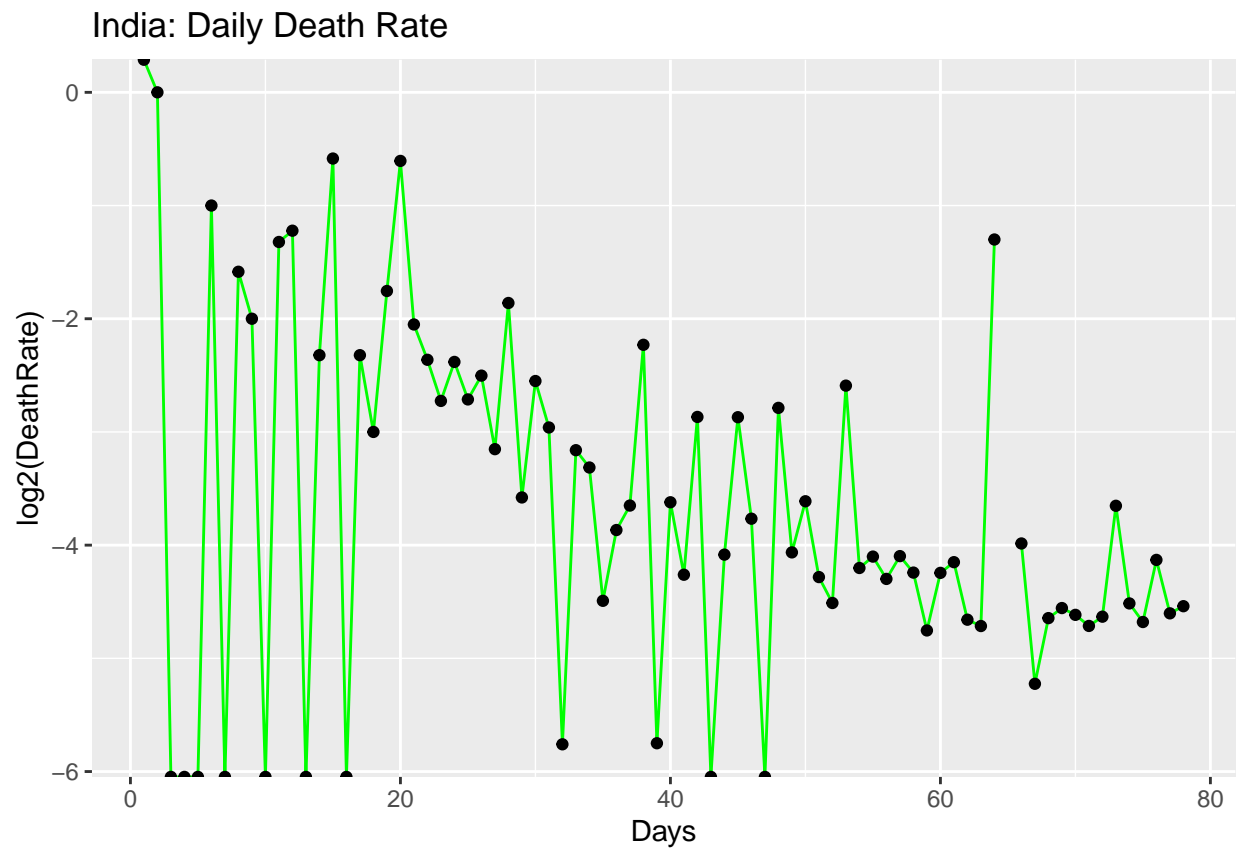




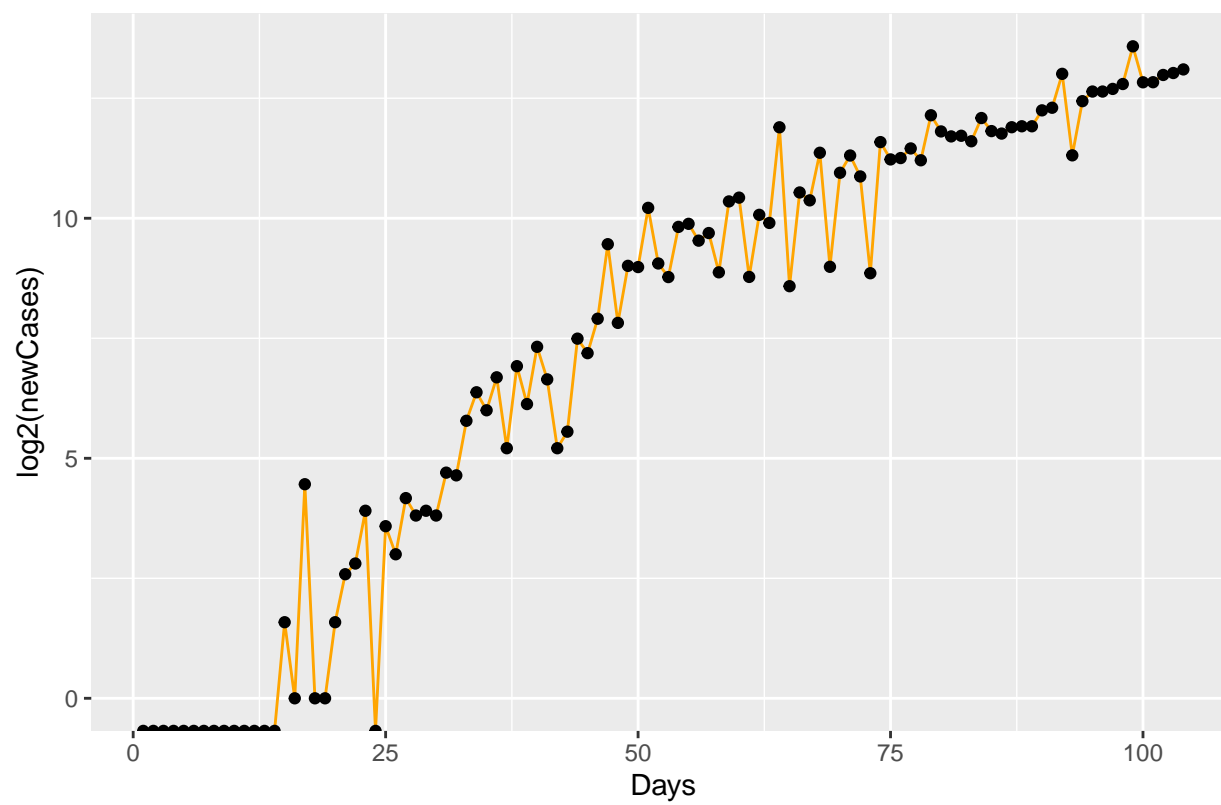




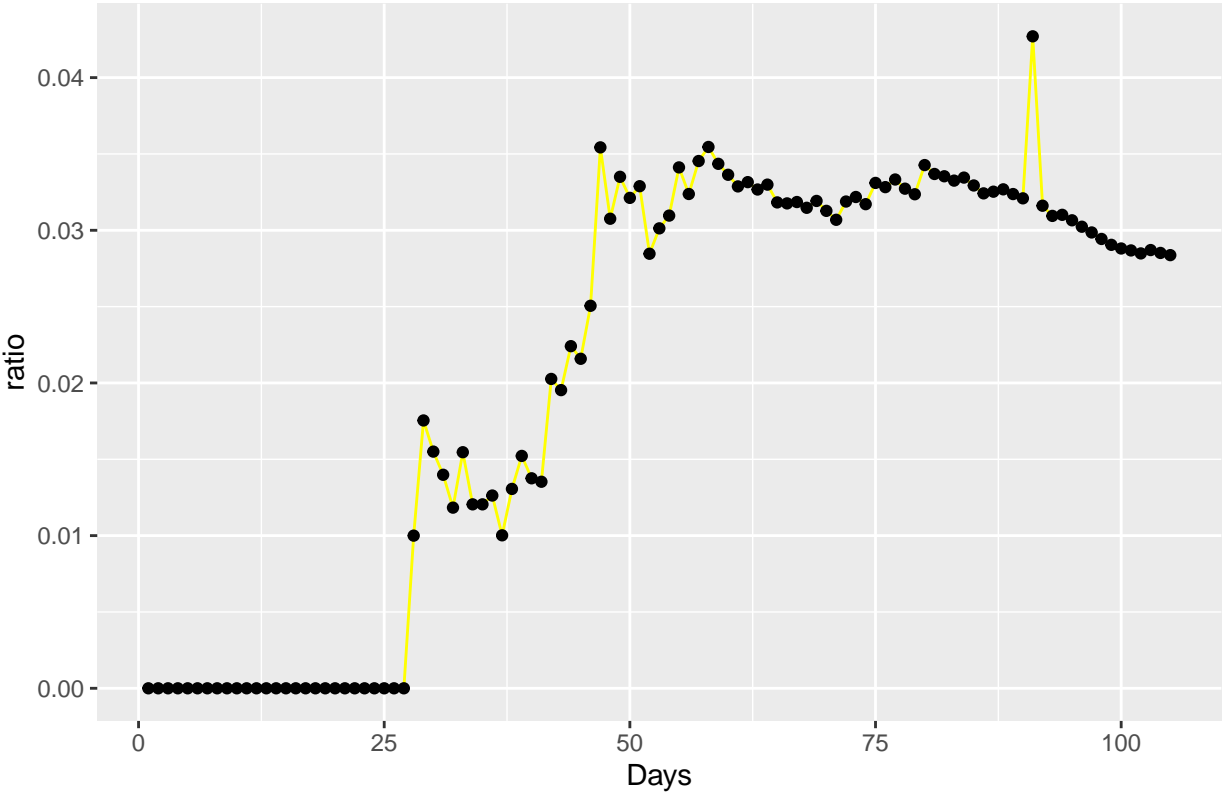


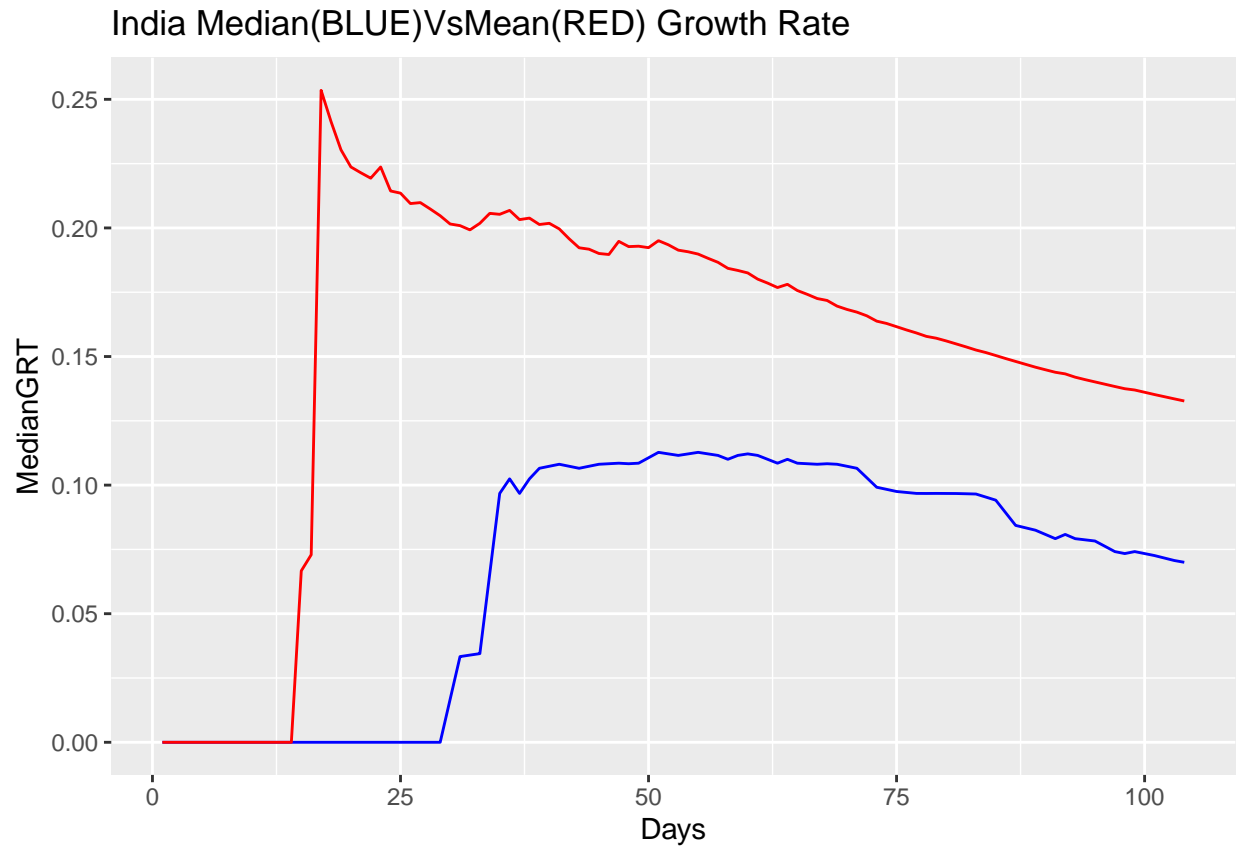


India:newCases(Orange)



India: TotalDeaths/TotalCases





#### Results:

- Tomorrow's predicted case number is between  $1.9981516 \times 10^5$  and  $2.1590479 \times 10^5$  cases.
- Current doubling rate is **14 days**
- Mean doubling rate, i.e number of cases doubles every **5 days**.
- Median doubling rate, i.e number of cases doubles every **10 days**.
- Latest Observed Growth Rate **4.8298658** percent.
- Mean Growth Rate: **13.2710368** percent.
- Median Growth Rate: **6.9994169** percent.
- Standard deviation: +/- **32.2076242**.