

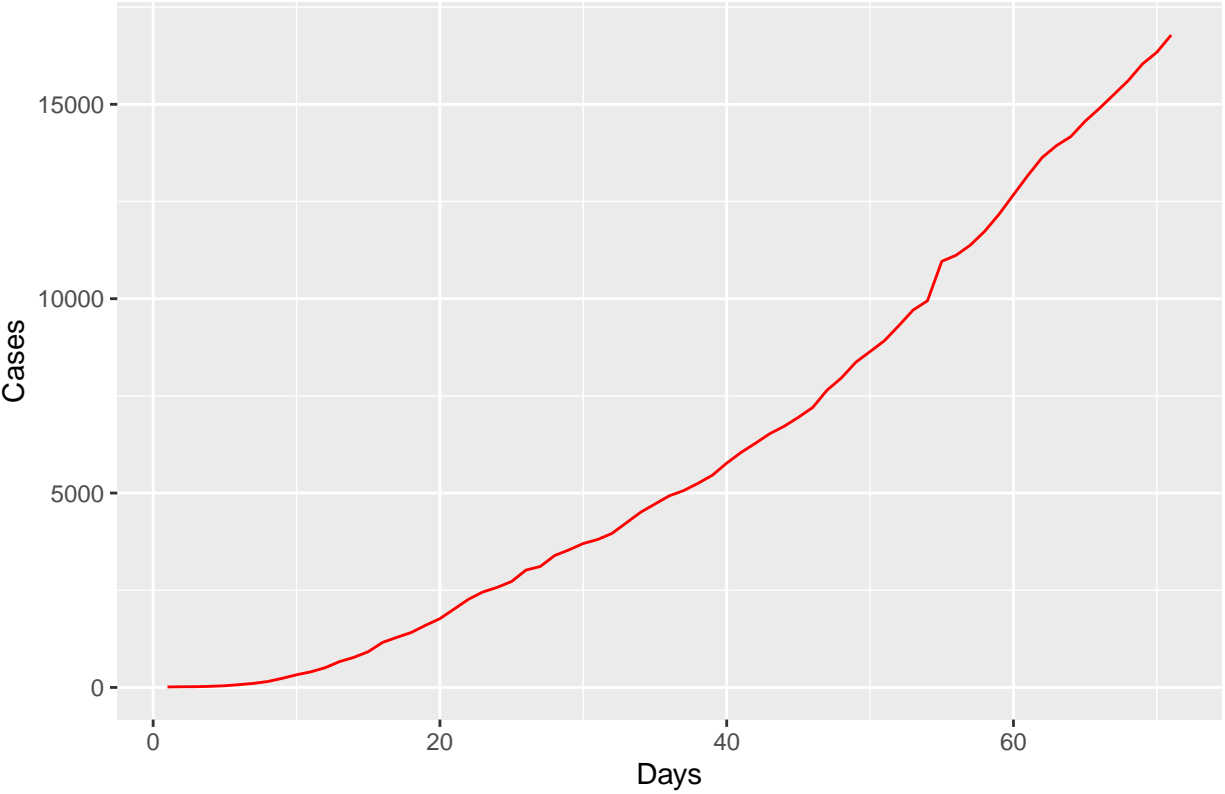
# Arizona/US/India Corona Trends- 13th May 2020 with tomorrow's prediction

Whitchurch Muthumani

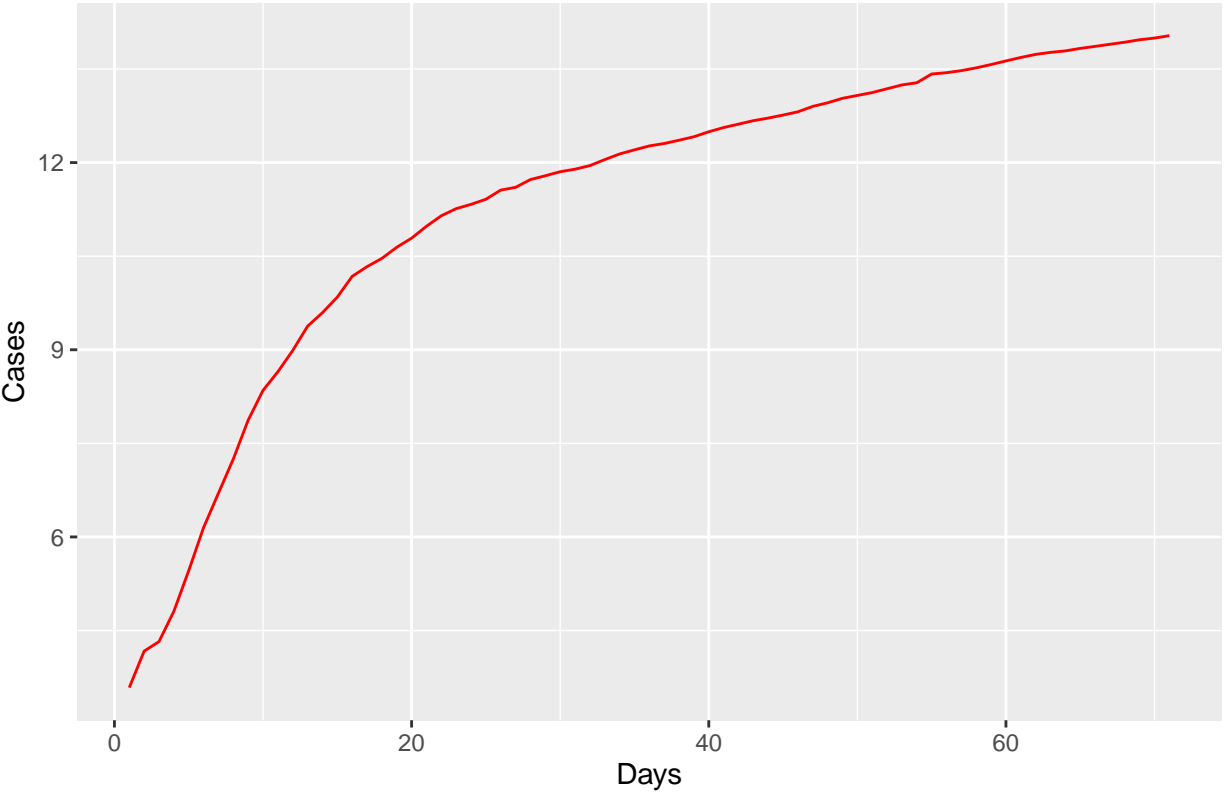
5/13/2020

Arizona Corona Dashboard

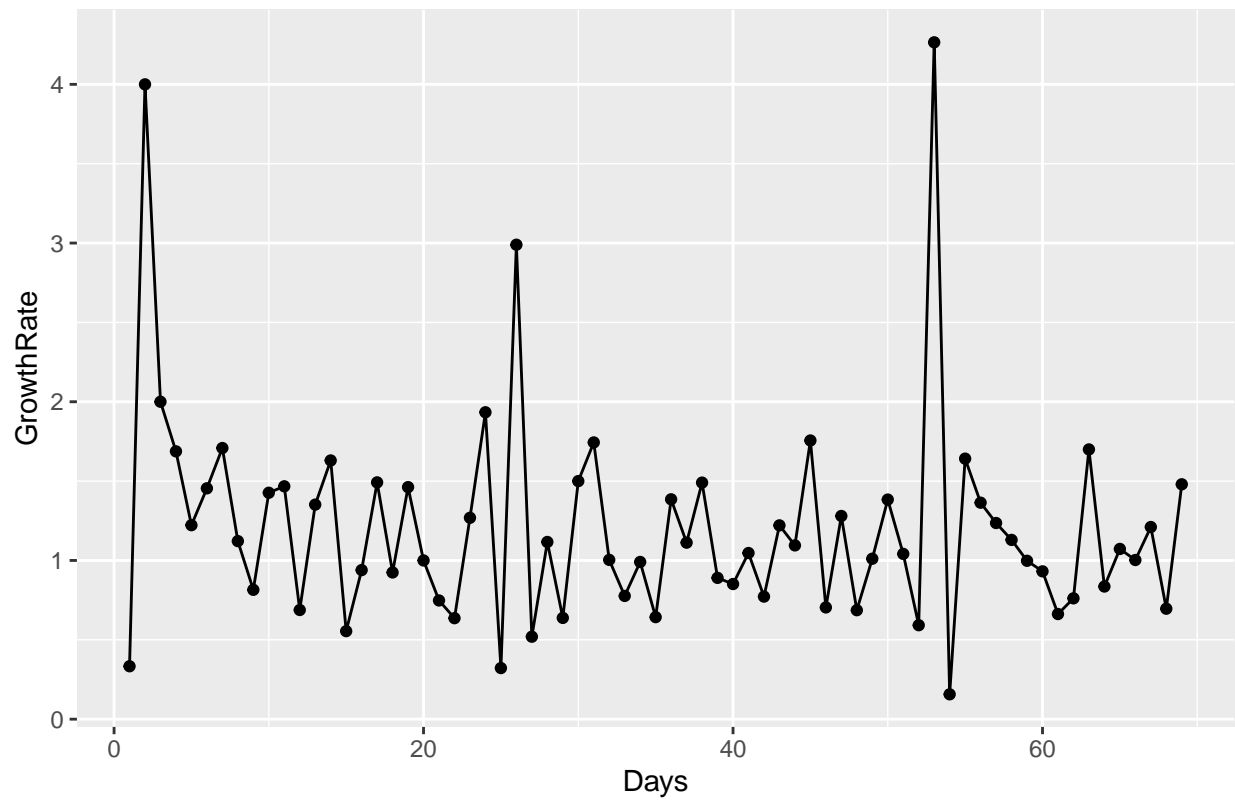
Arizona: Daily Cases



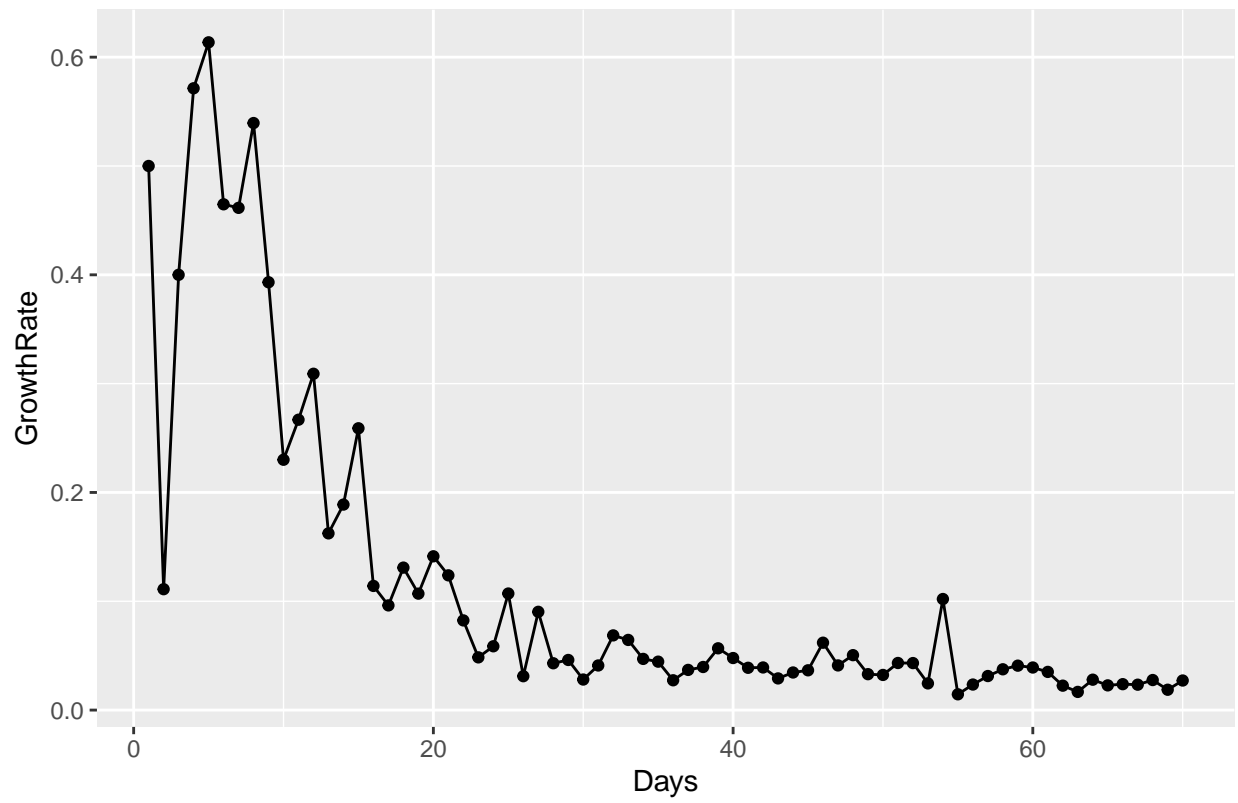
Arizona: Daily Cases

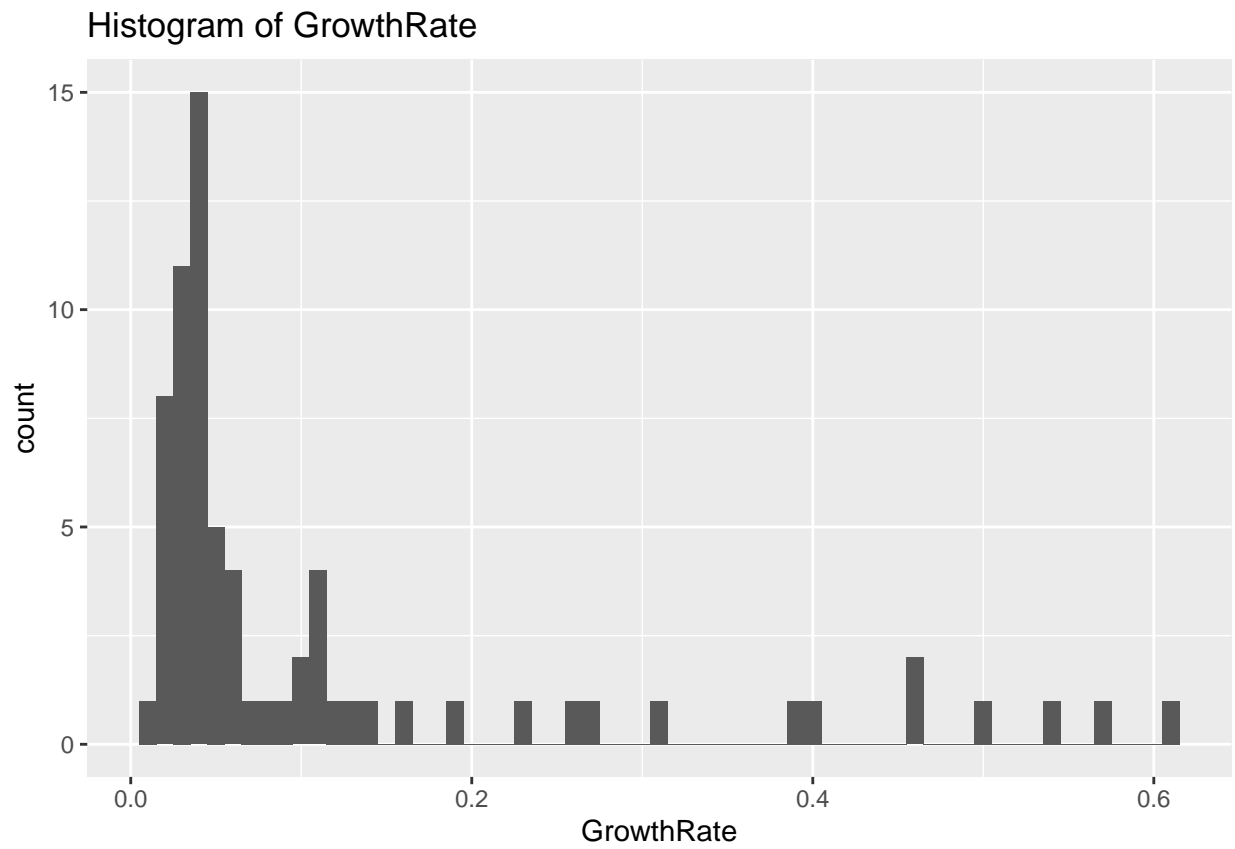


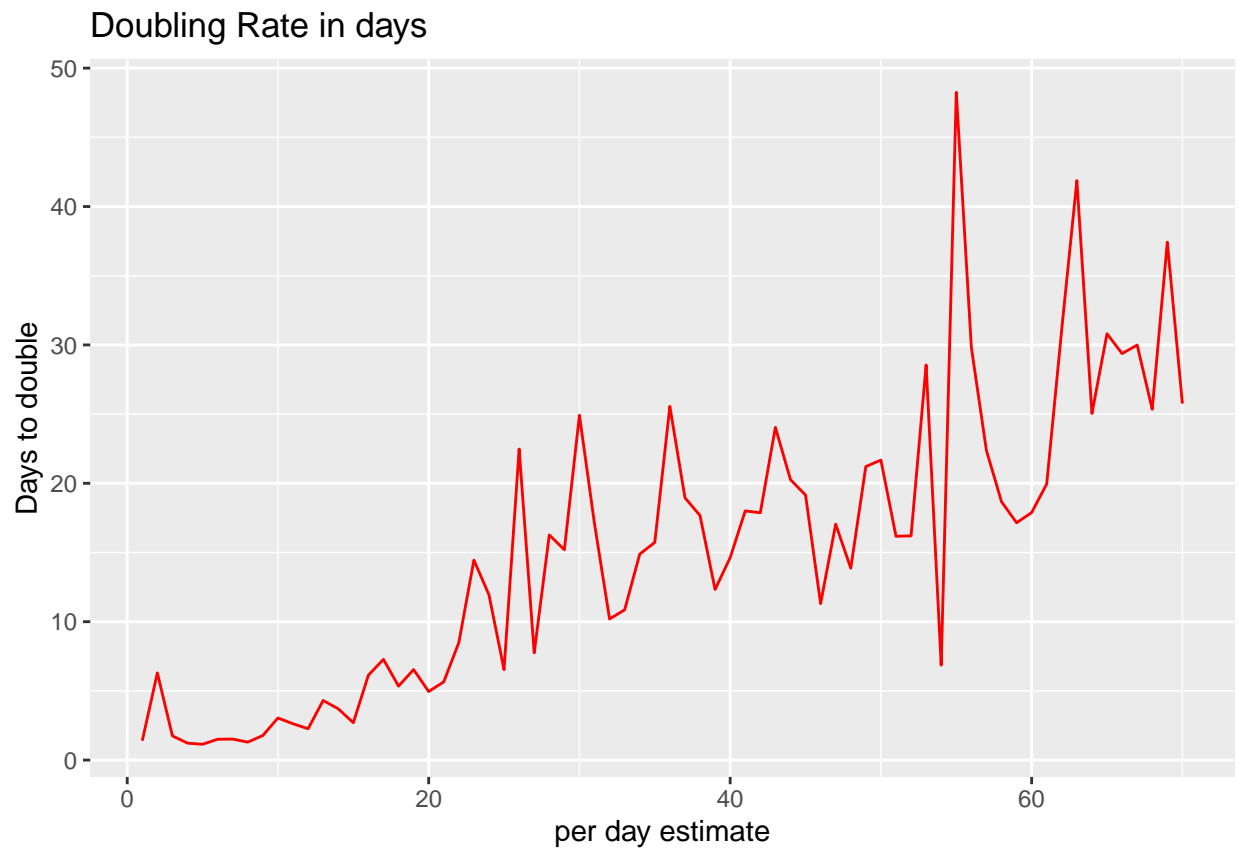
Arizona: Rate of change in Growth Rate



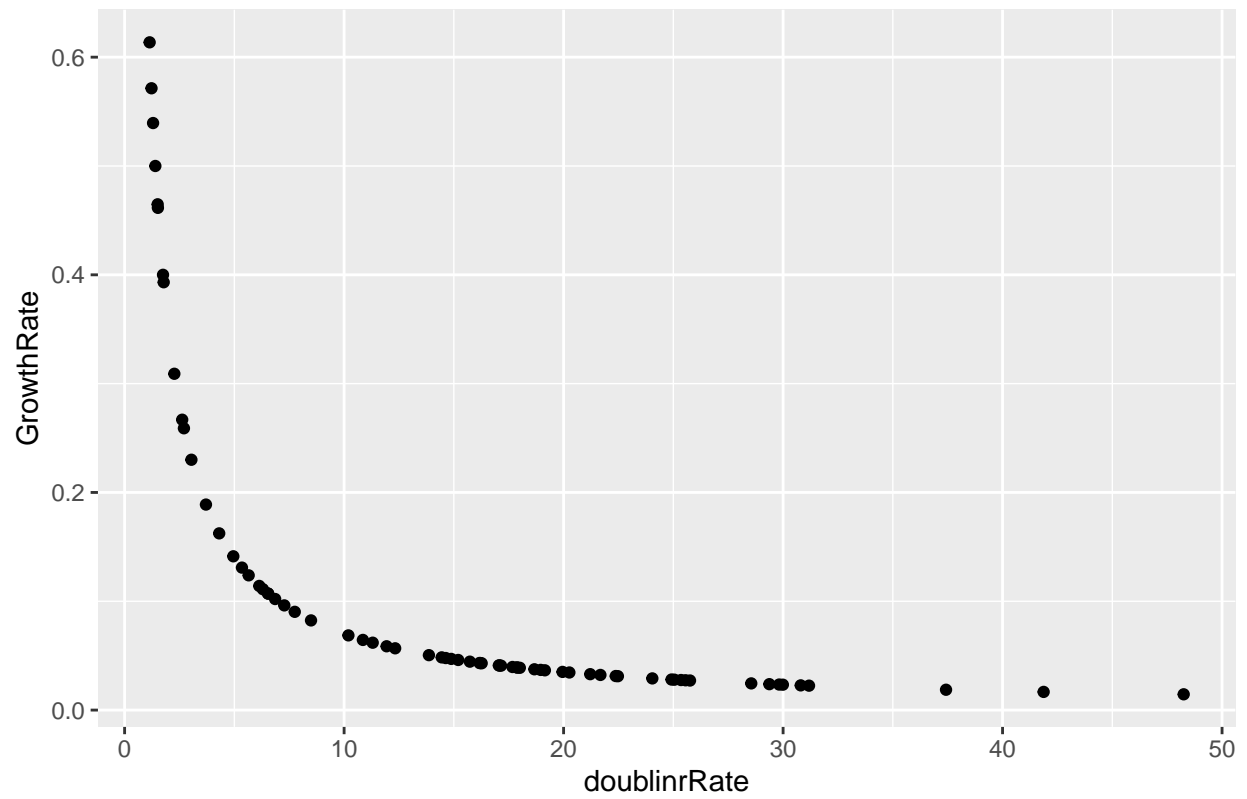
Arizona: Growth Rate

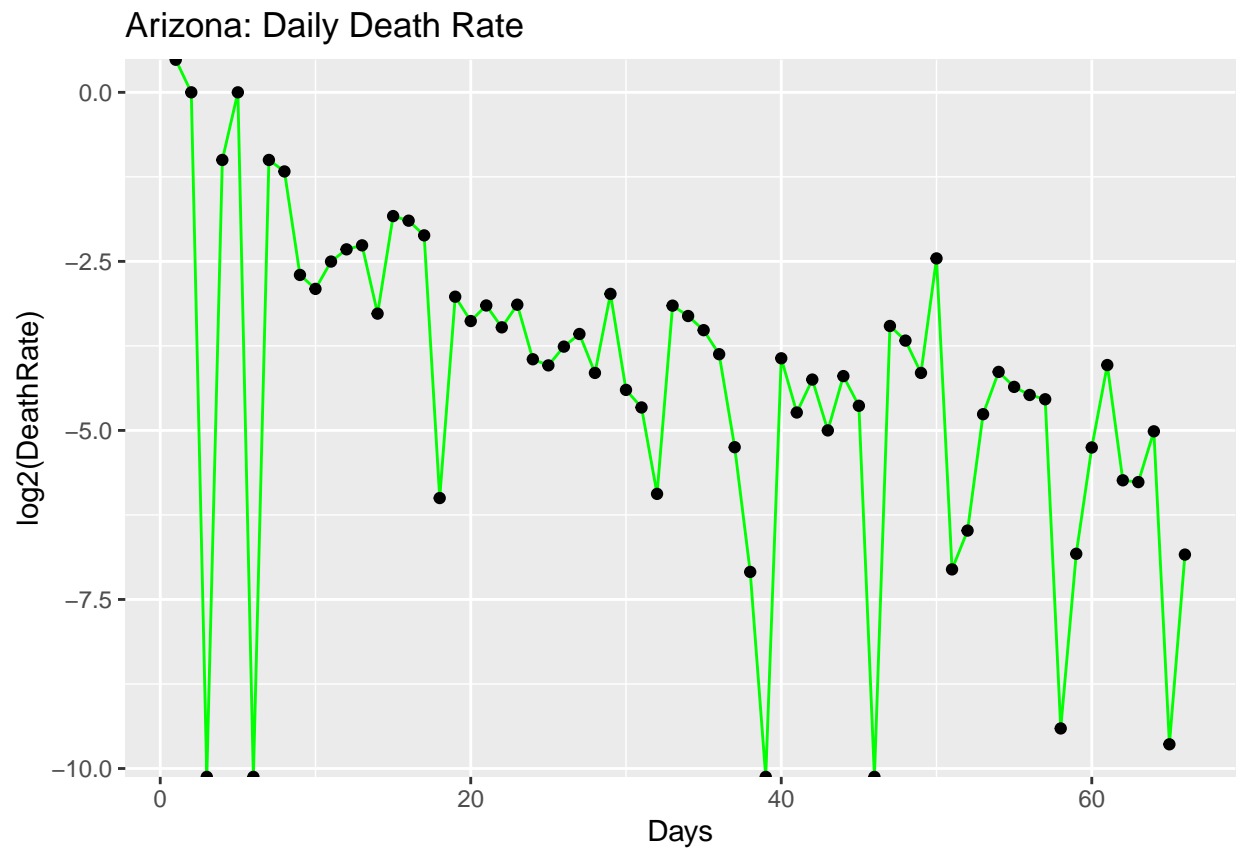


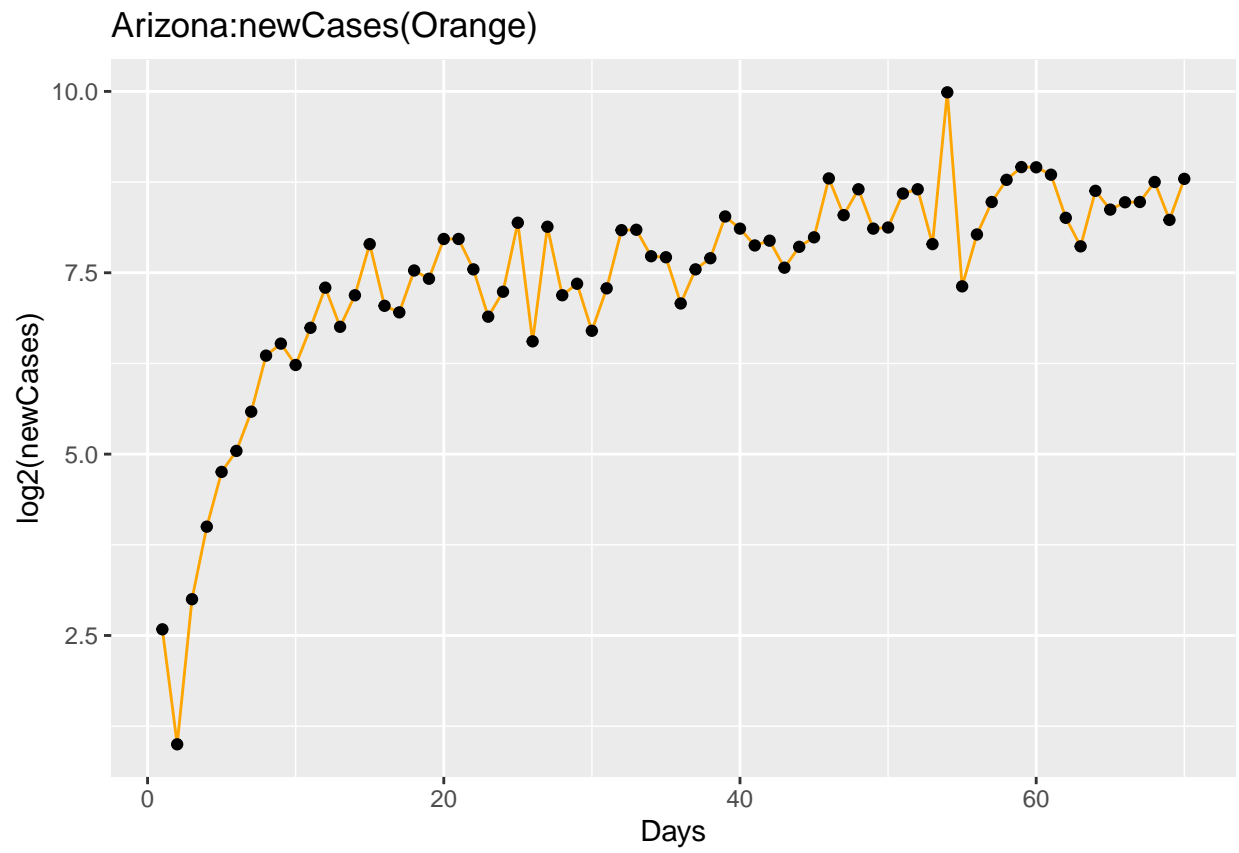


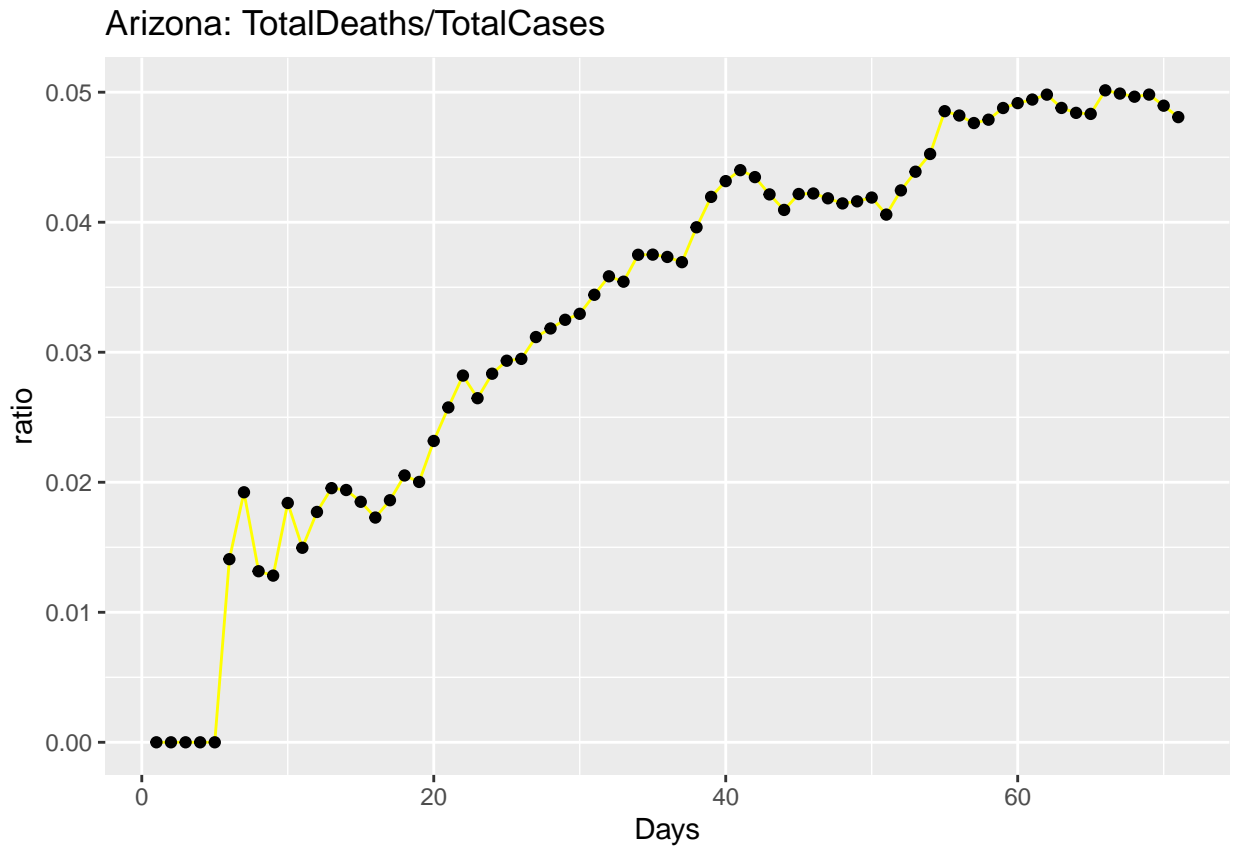


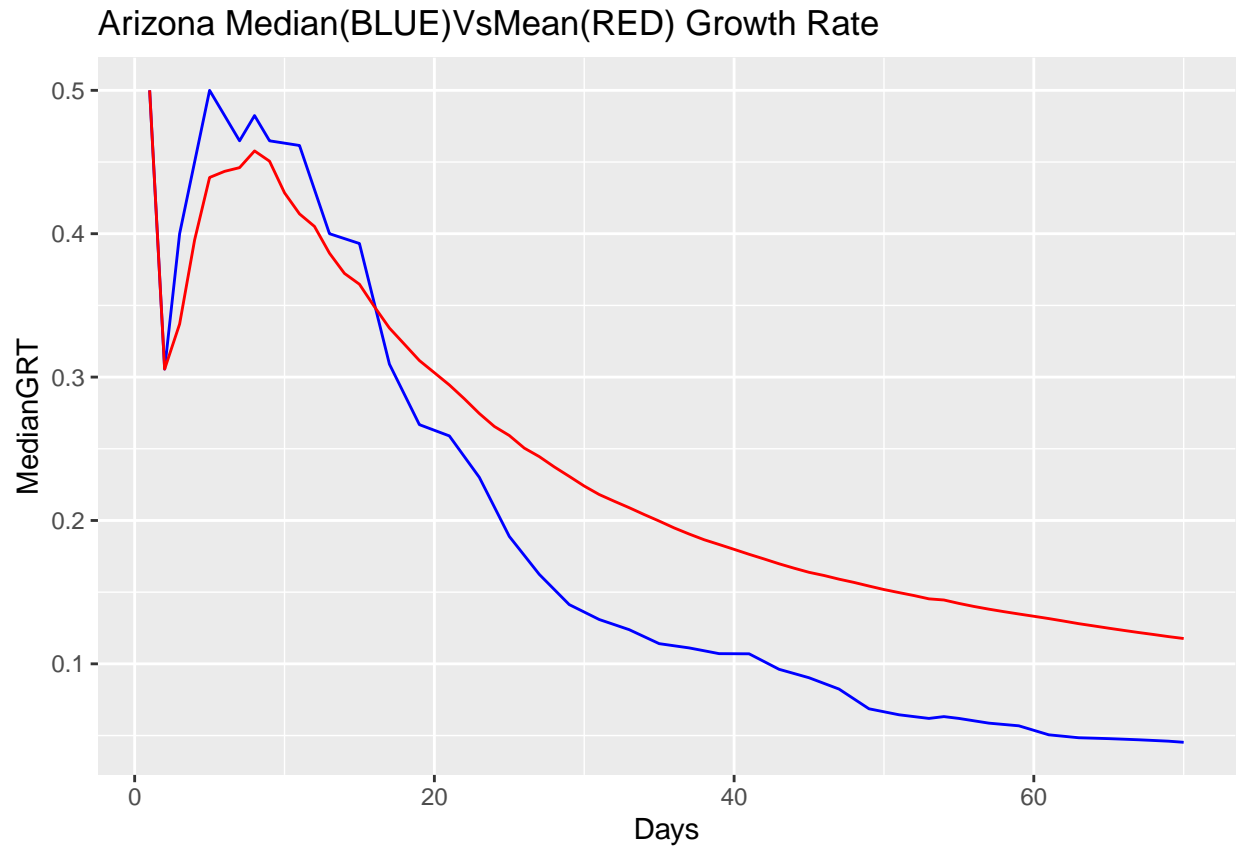
Doubling Rate vs Growth Rate









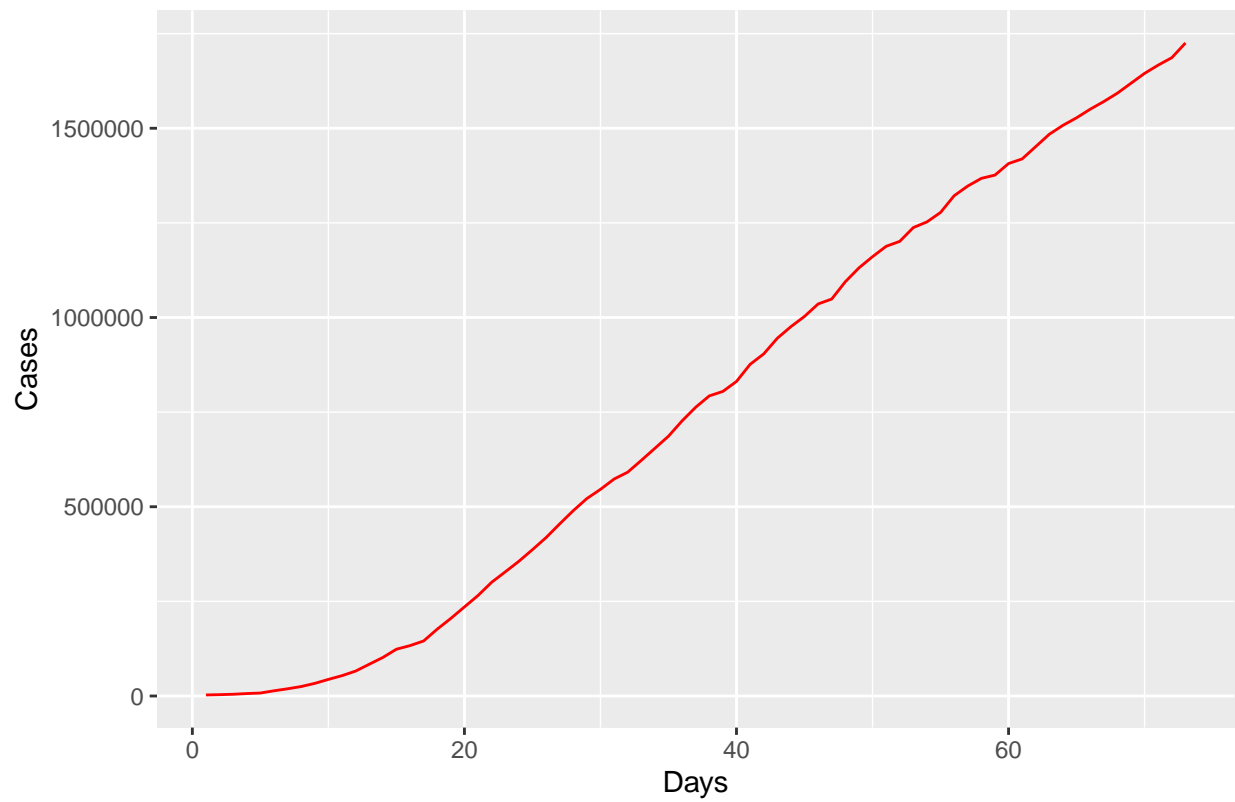


#### Results:

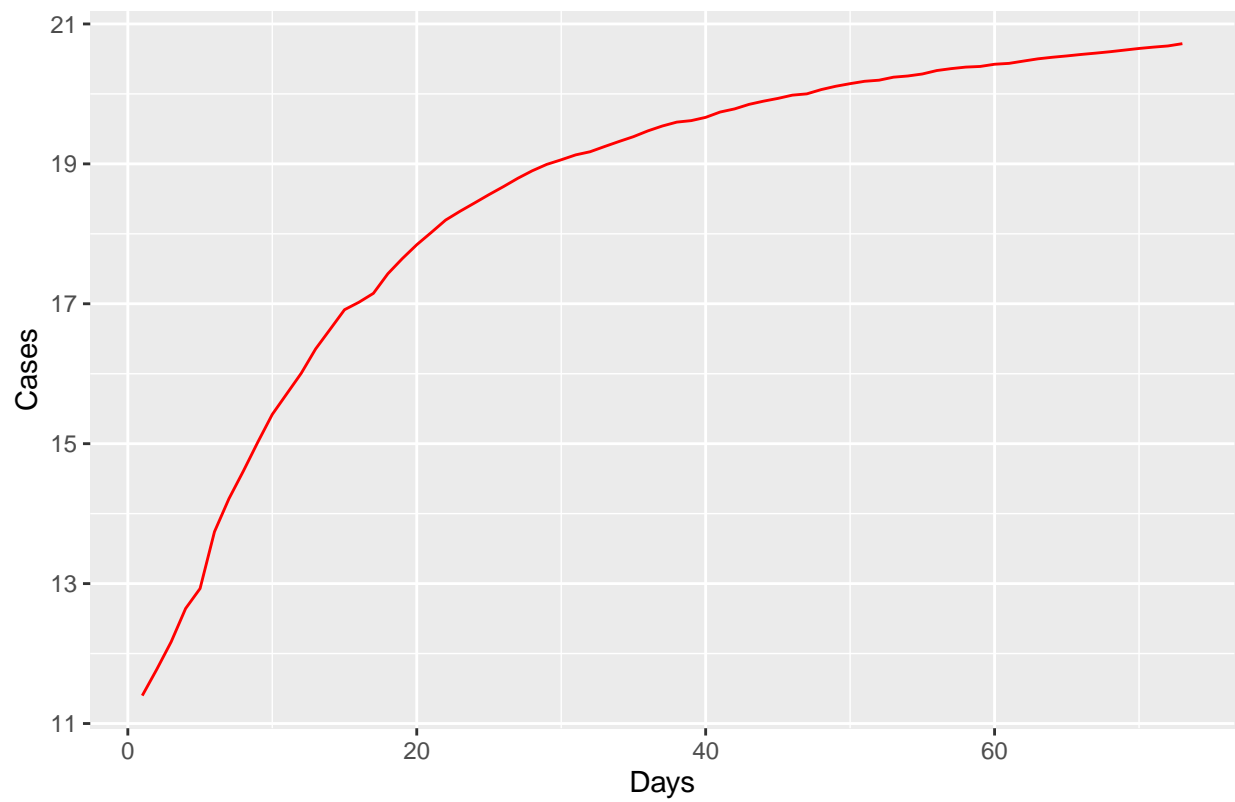
- Tomorrow's predicted case number is between  $1.7239065 \times 10^4$  and  $1.8757774 \times 10^4$  cases.
- Current doubling rate is **26 days**
- Mean doubling rate, i.e number of cases doubles every **6 days**.
- Median doubling rate, i.e number of cases doubles every **15 days**.
- Latest Observed Growth Rate **2.7174246** percent.
- Mean Growth Rate: **11.7665149** percent.
- Median Growth Rate: **4.5279581** percent.
- Standard deviation: +/- **15.0926235**.

## US Corona Dashboard

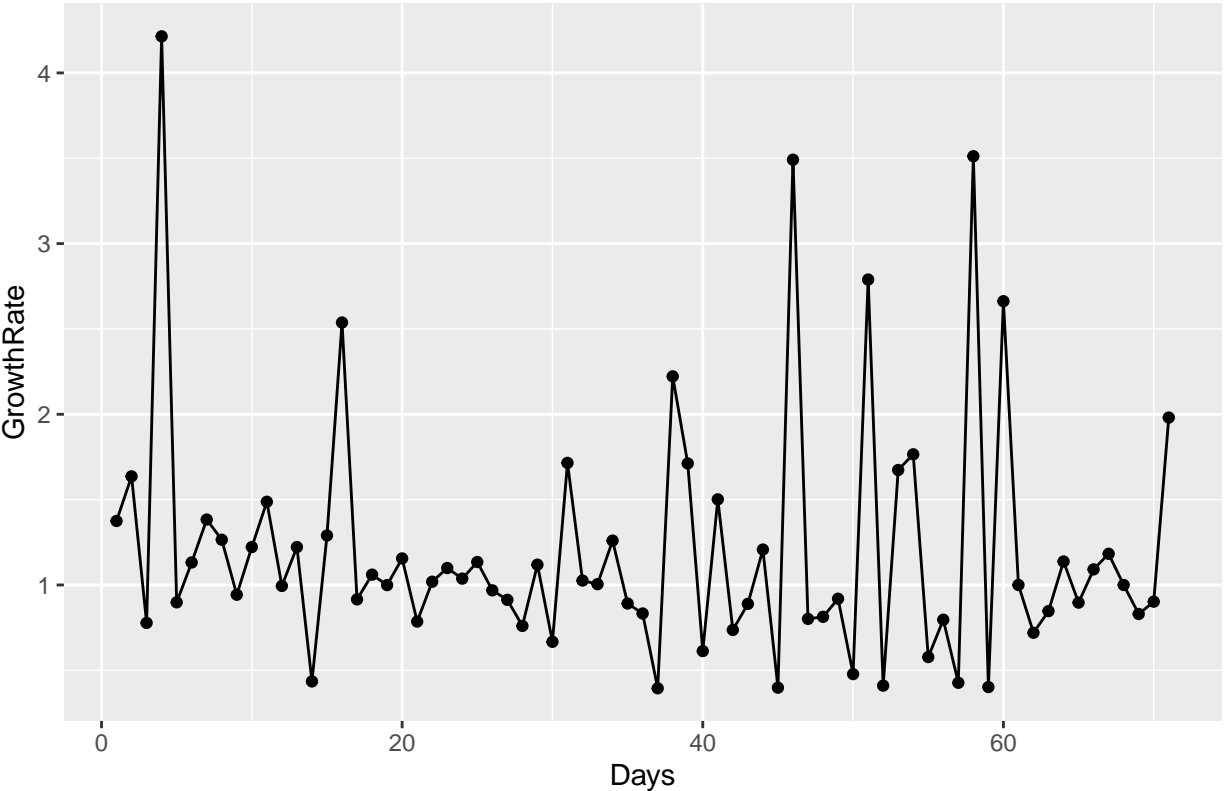
### US: Daily Cases



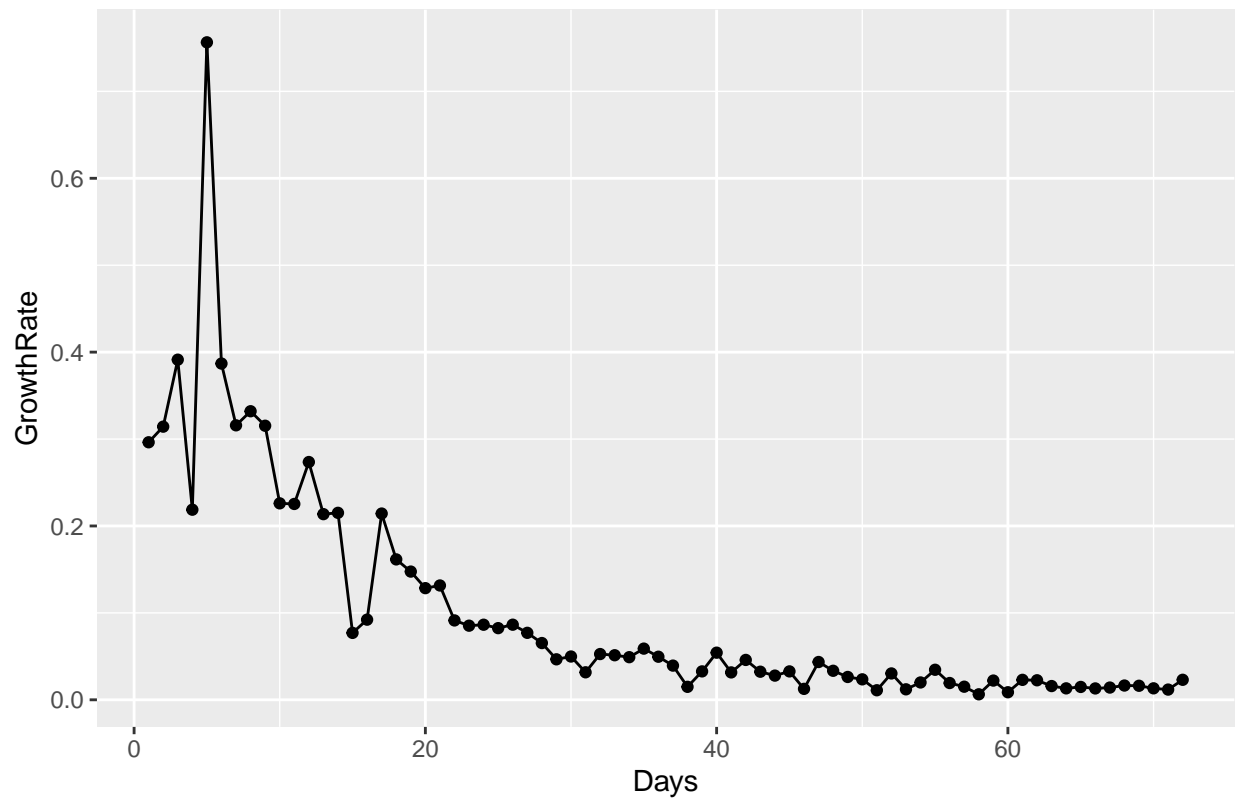
### US: Daily Cases

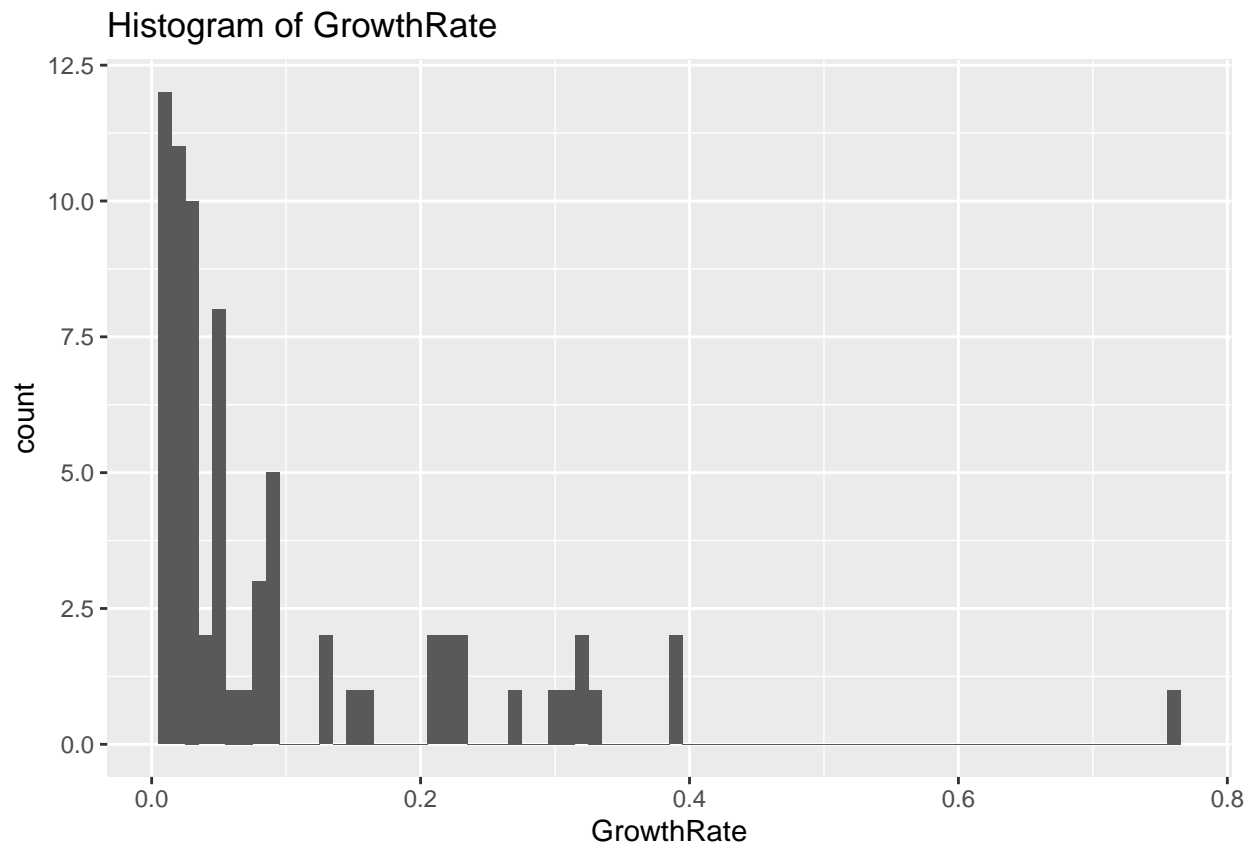


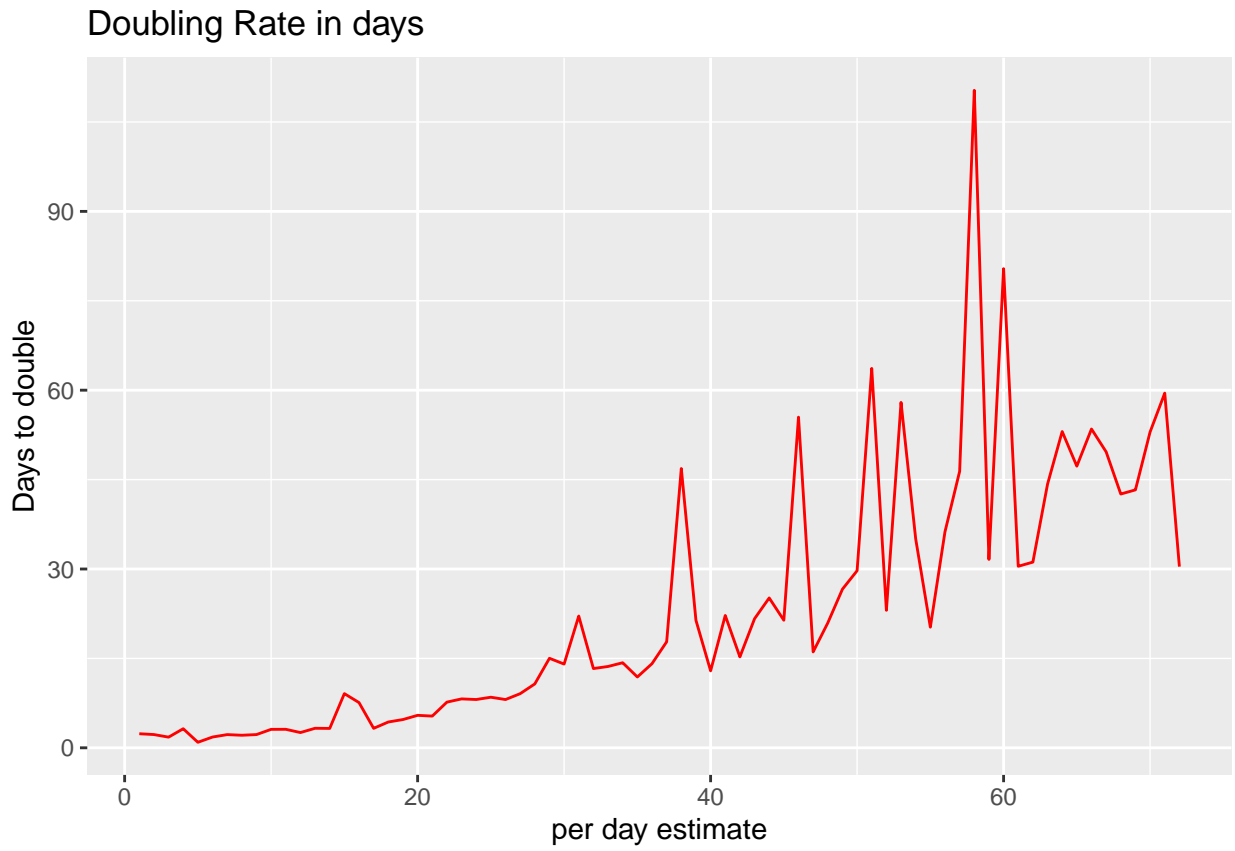
US: Rate of change in Growth Rate



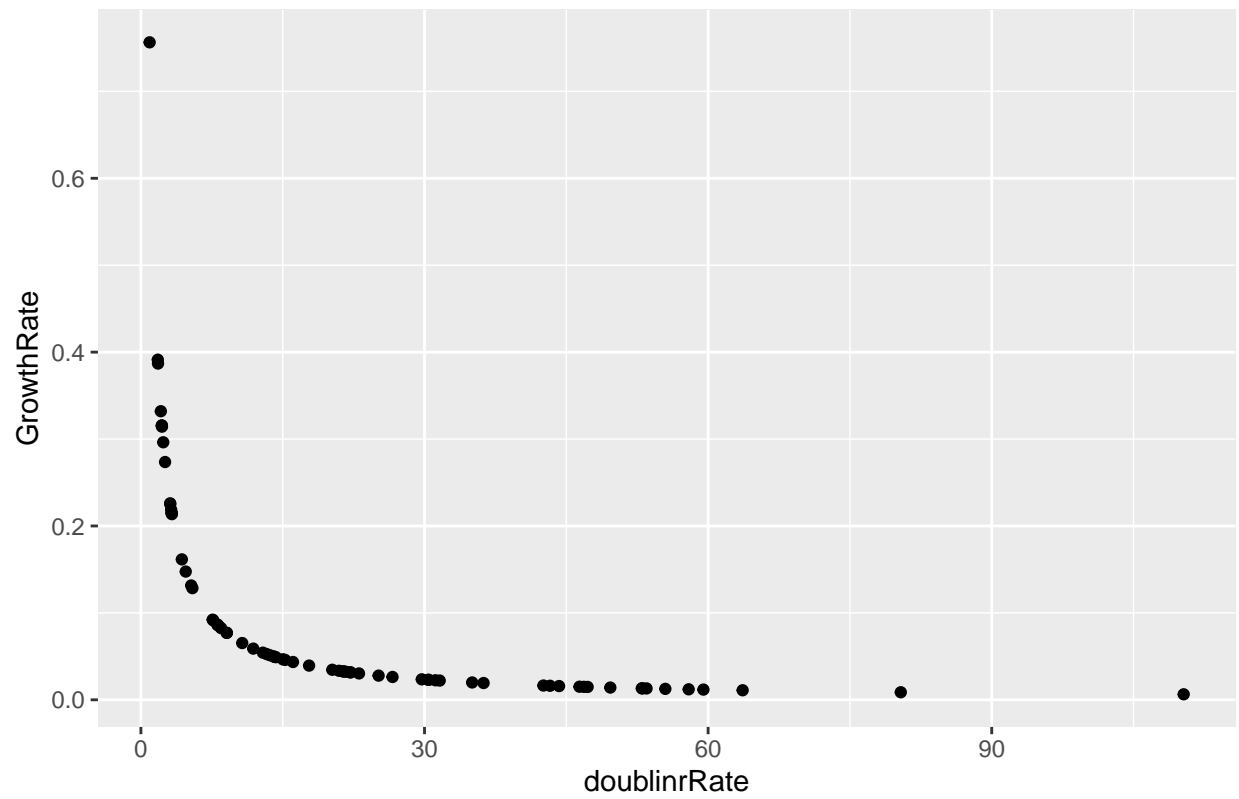
US: Growth Rate

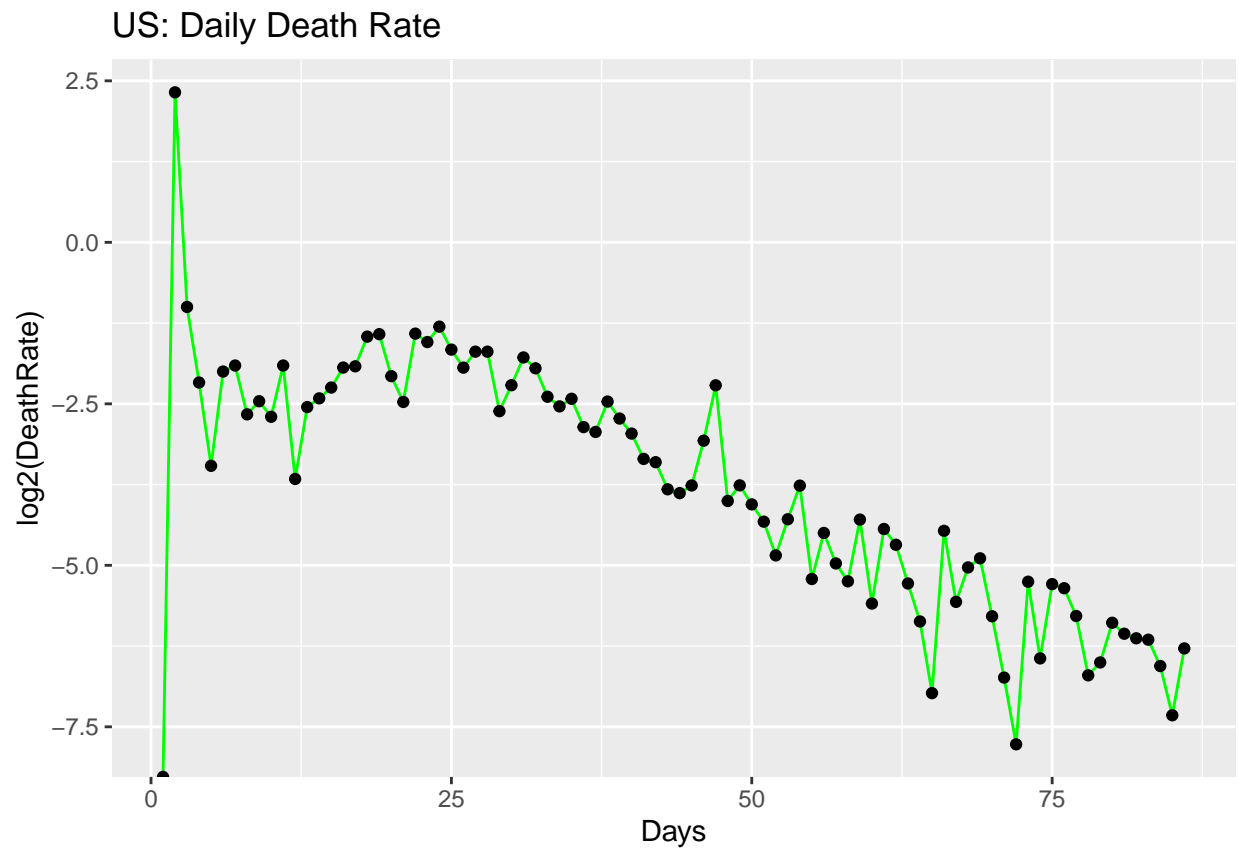


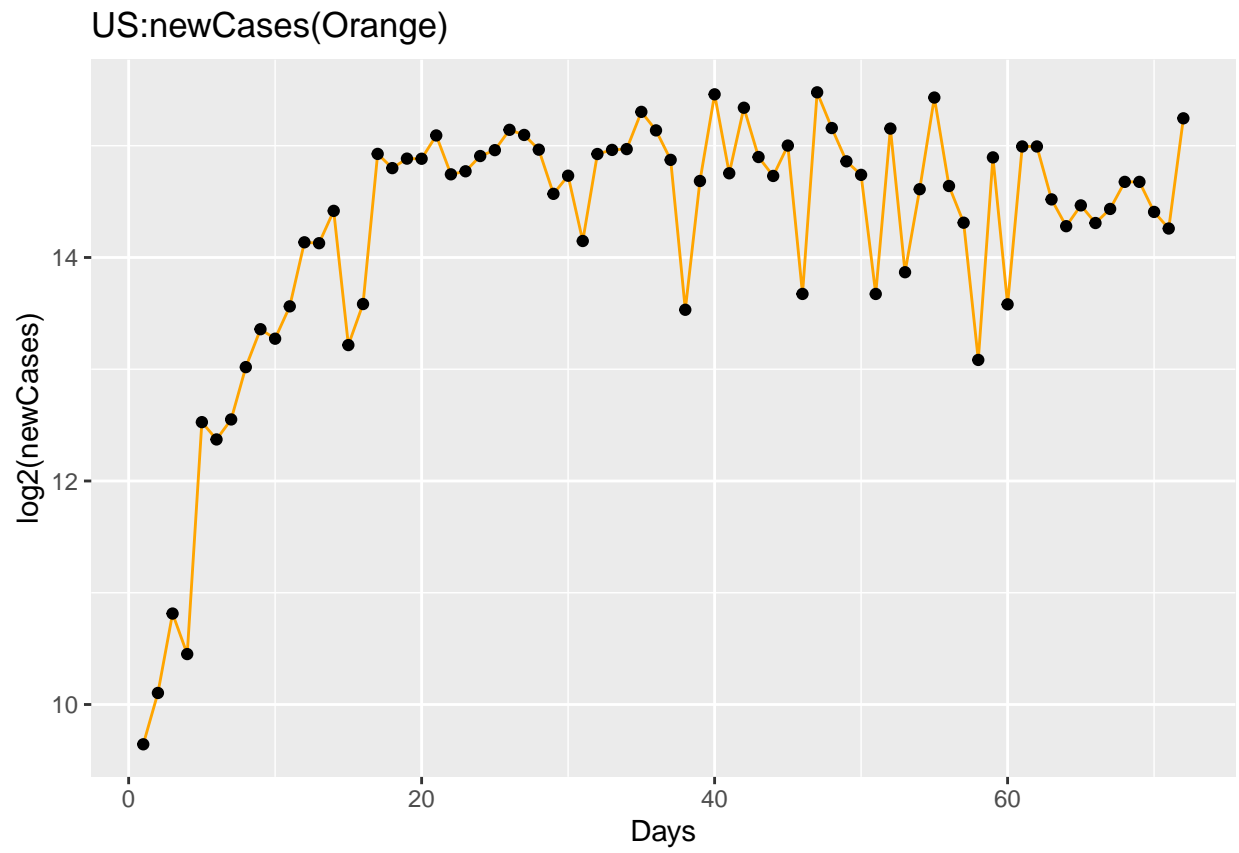


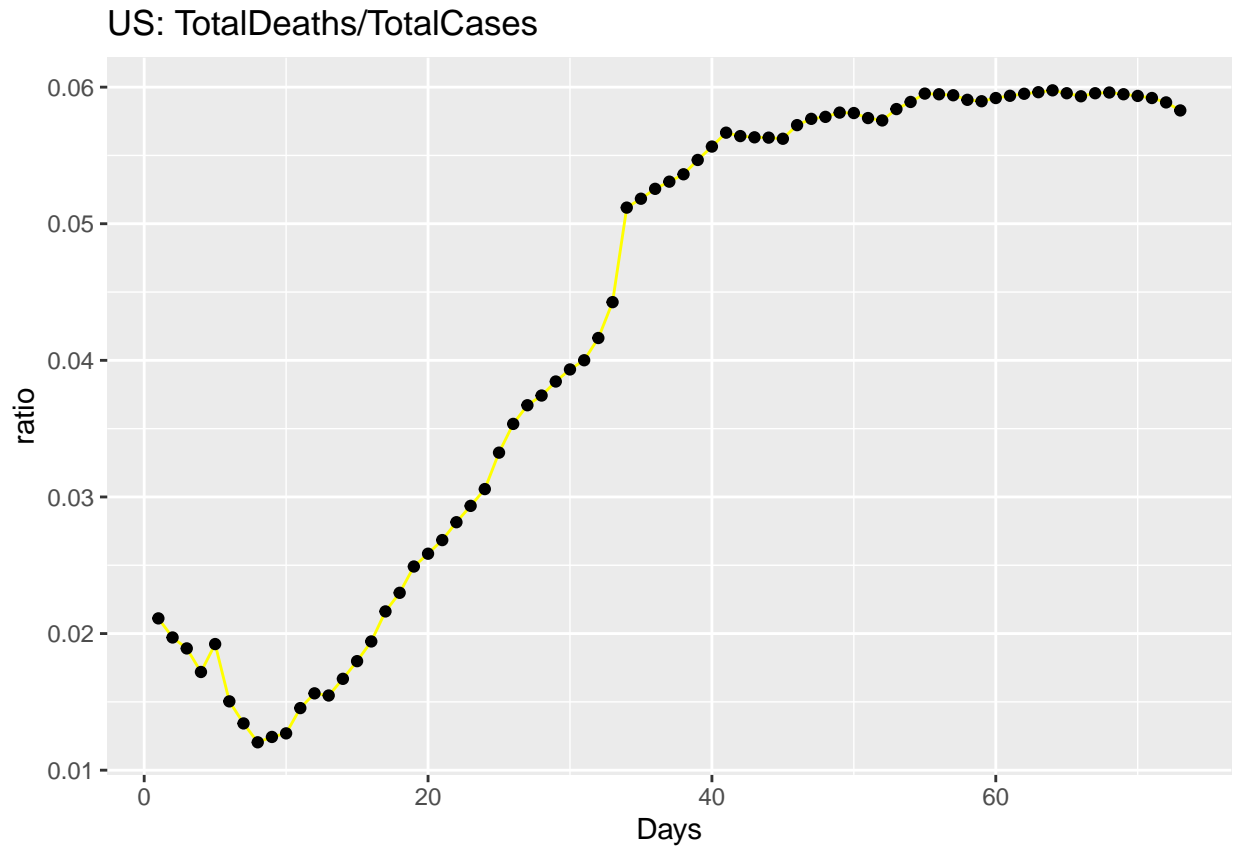


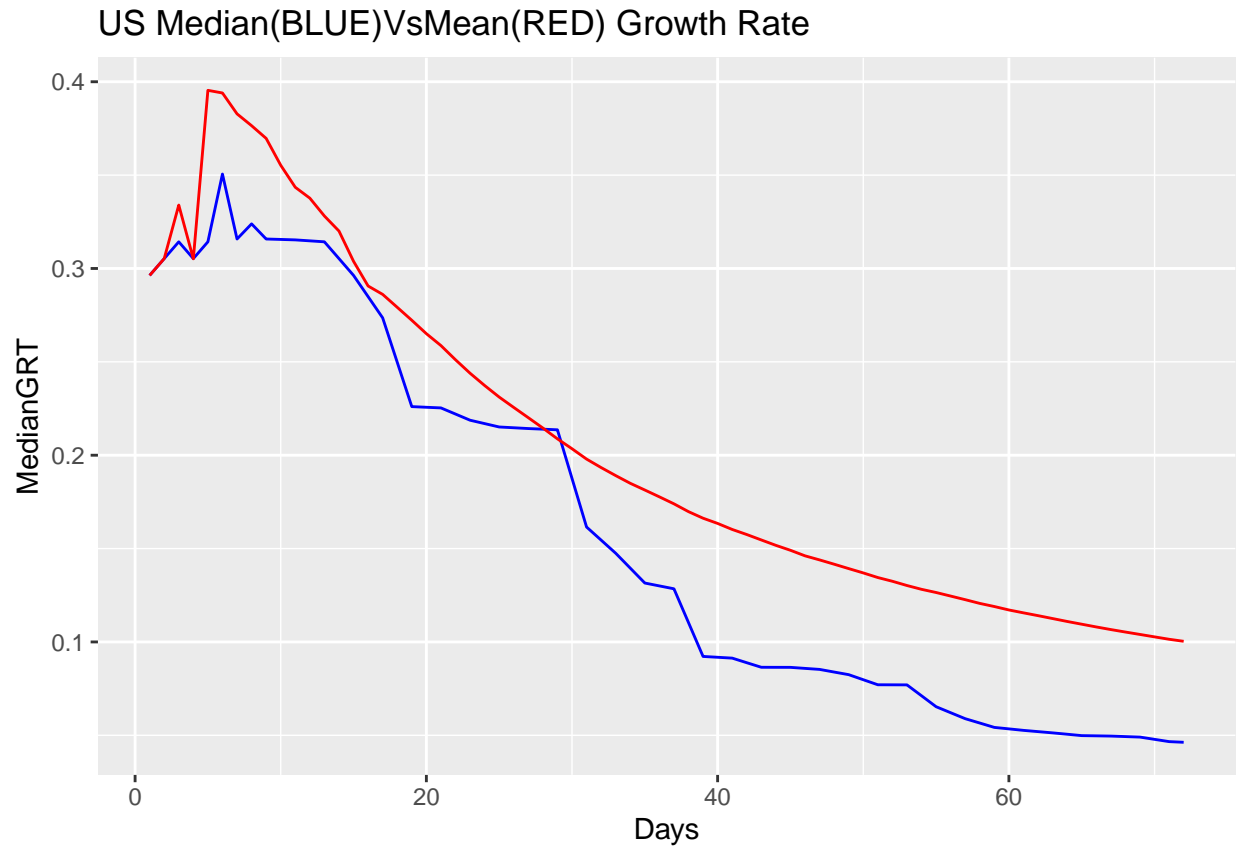
Doubling Rate vs Growth Rate







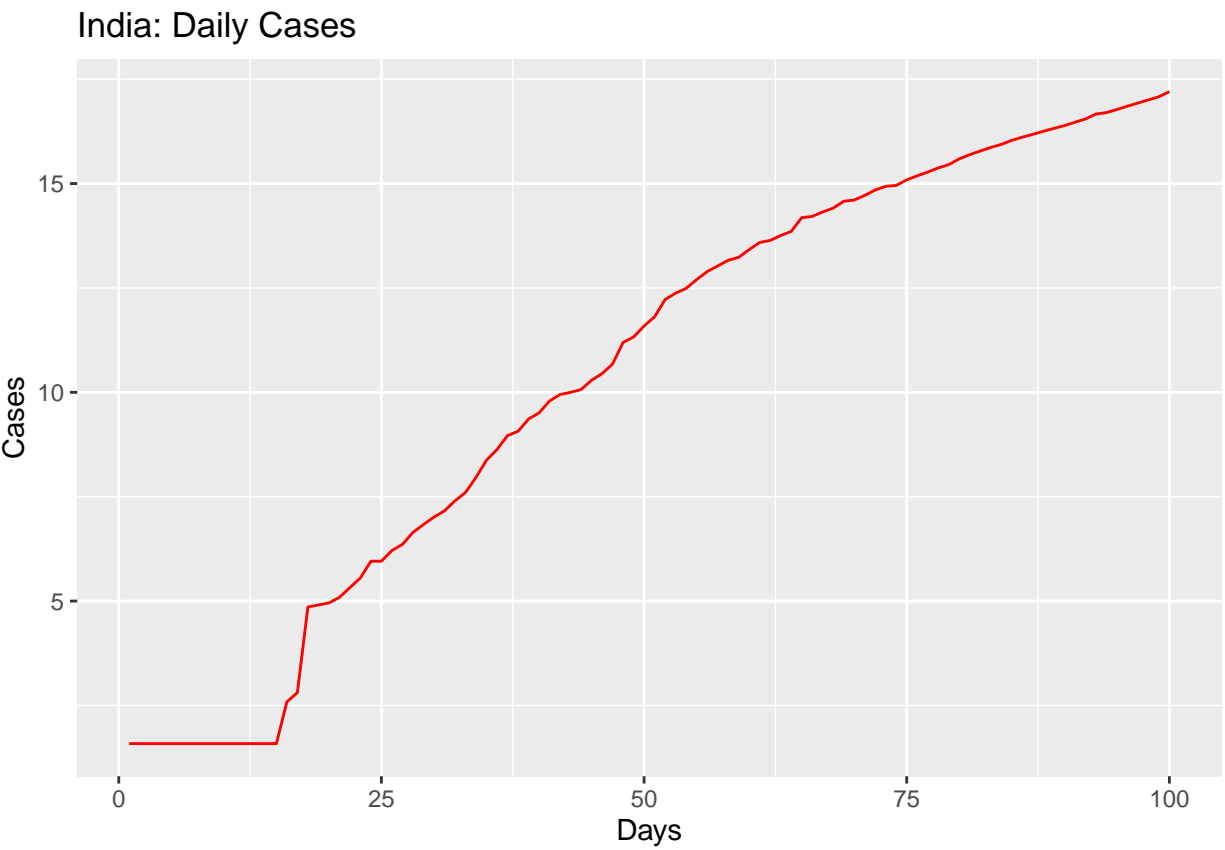
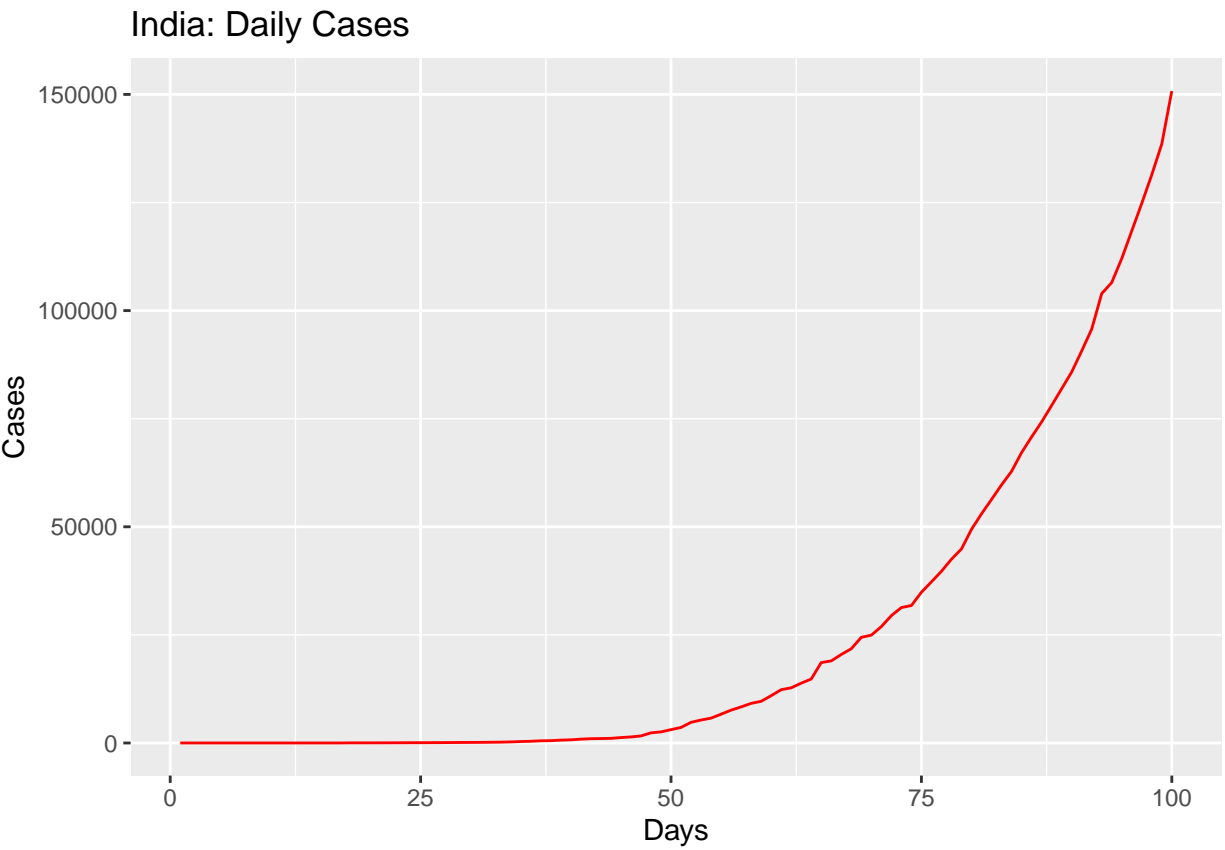


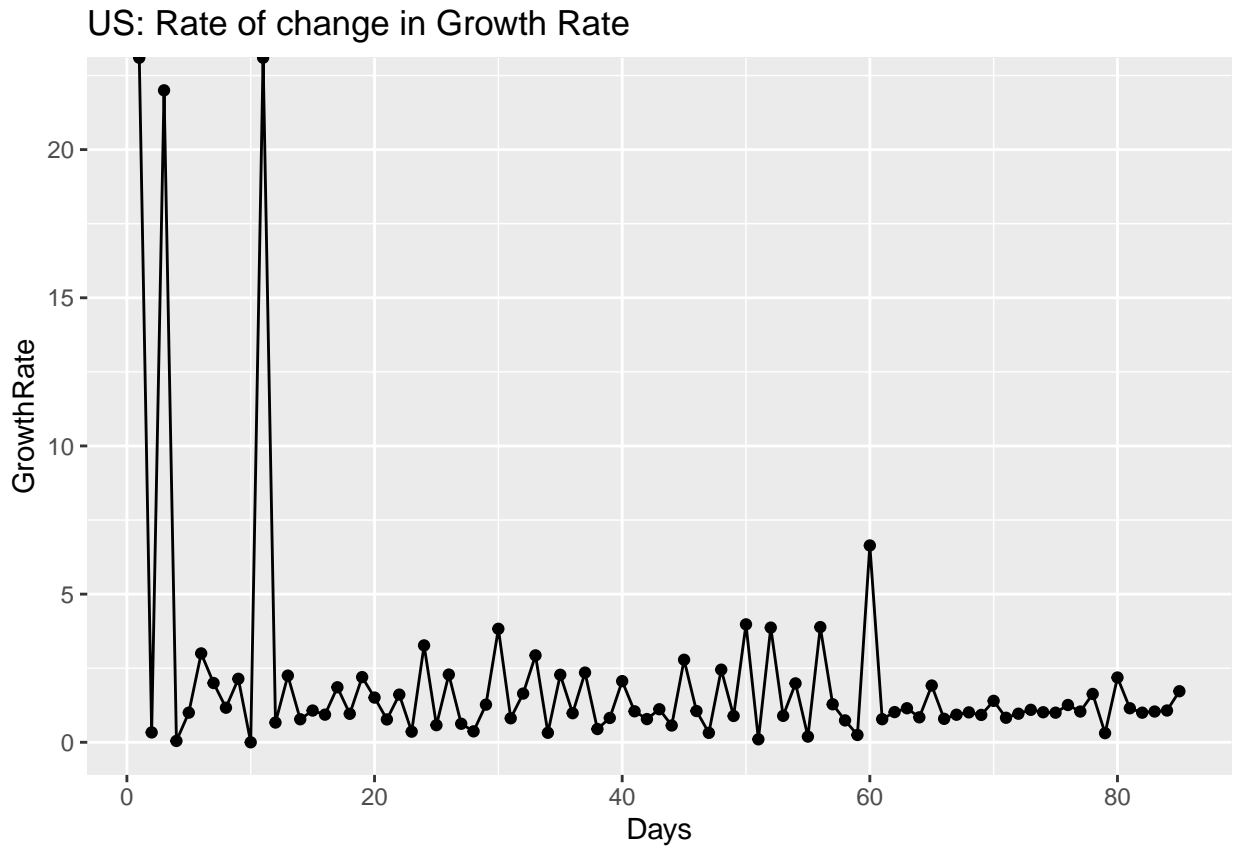


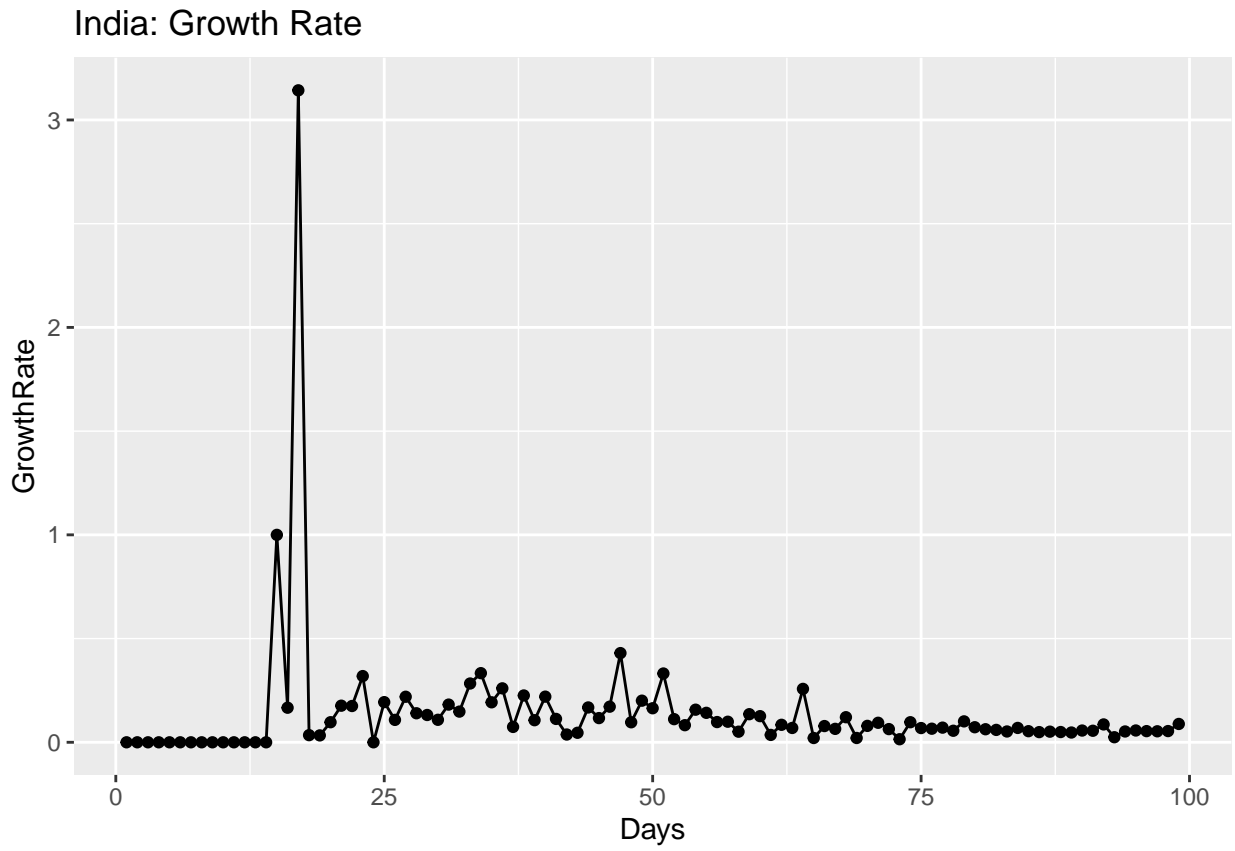
#### Results:

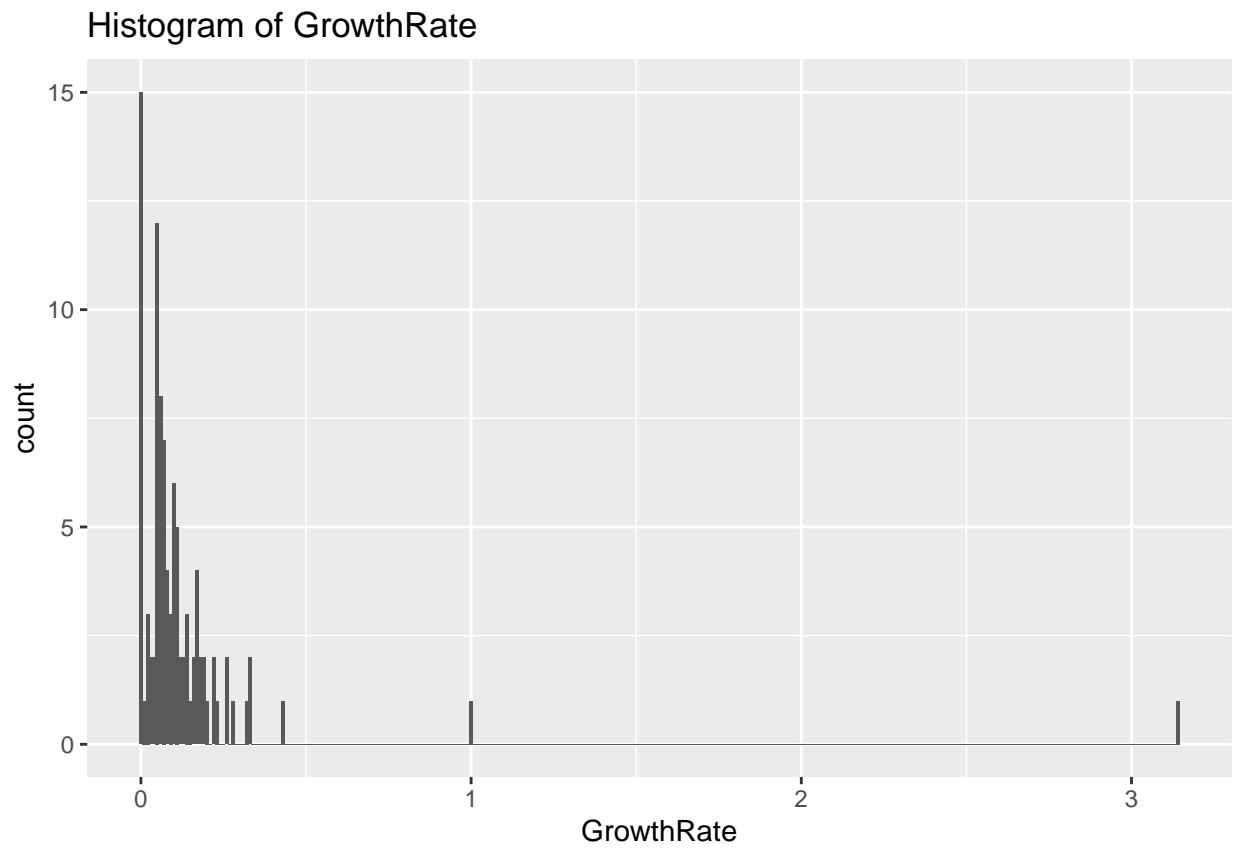
- Tomorrow's predicted case number is between  $1.7650085 \times 10^6$  and  $1.8983921 \times 10^6$  cases.
- Current doubling rate is **30 days**
- Mean doubling rate, i.e number of cases doubles every **7 days**.
- Median doubling rate, i.e number of cases doubles every **15 days**.
- Latest Observed Growth Rate **2.3030225** percent.
- Mean Growth Rate: **10.0341754** percent.
- Median Growth Rate: **4.6248099** percent.
- Standard deviation: +/- **12.9731632**.

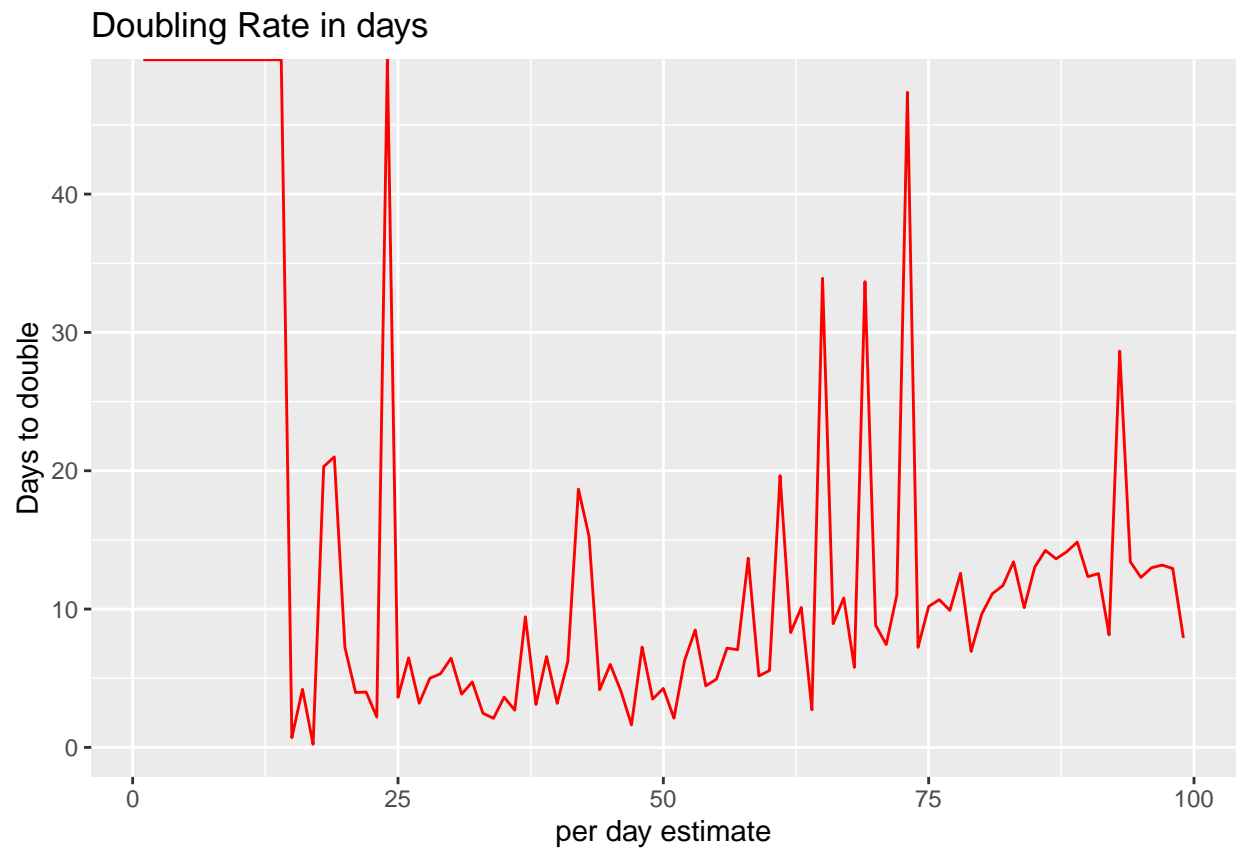
India Corona Dashboard

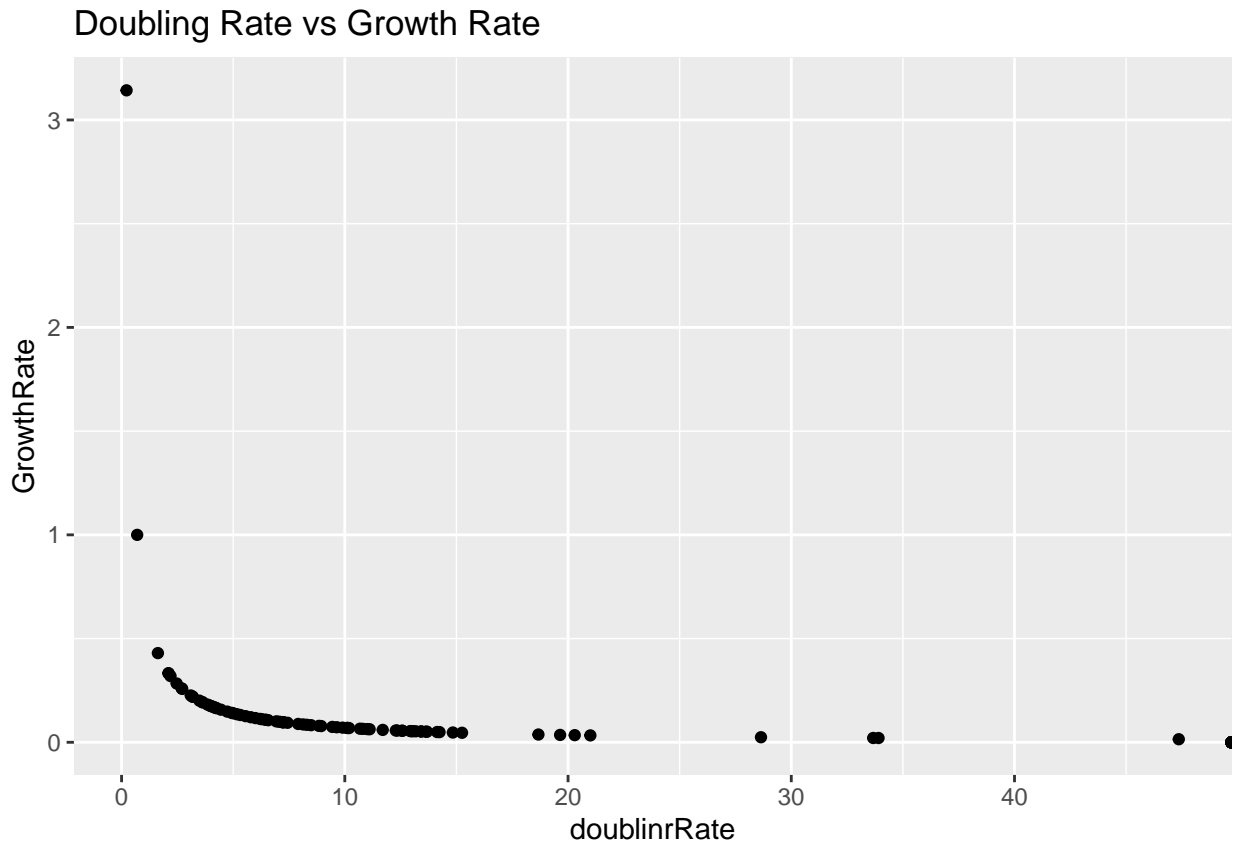


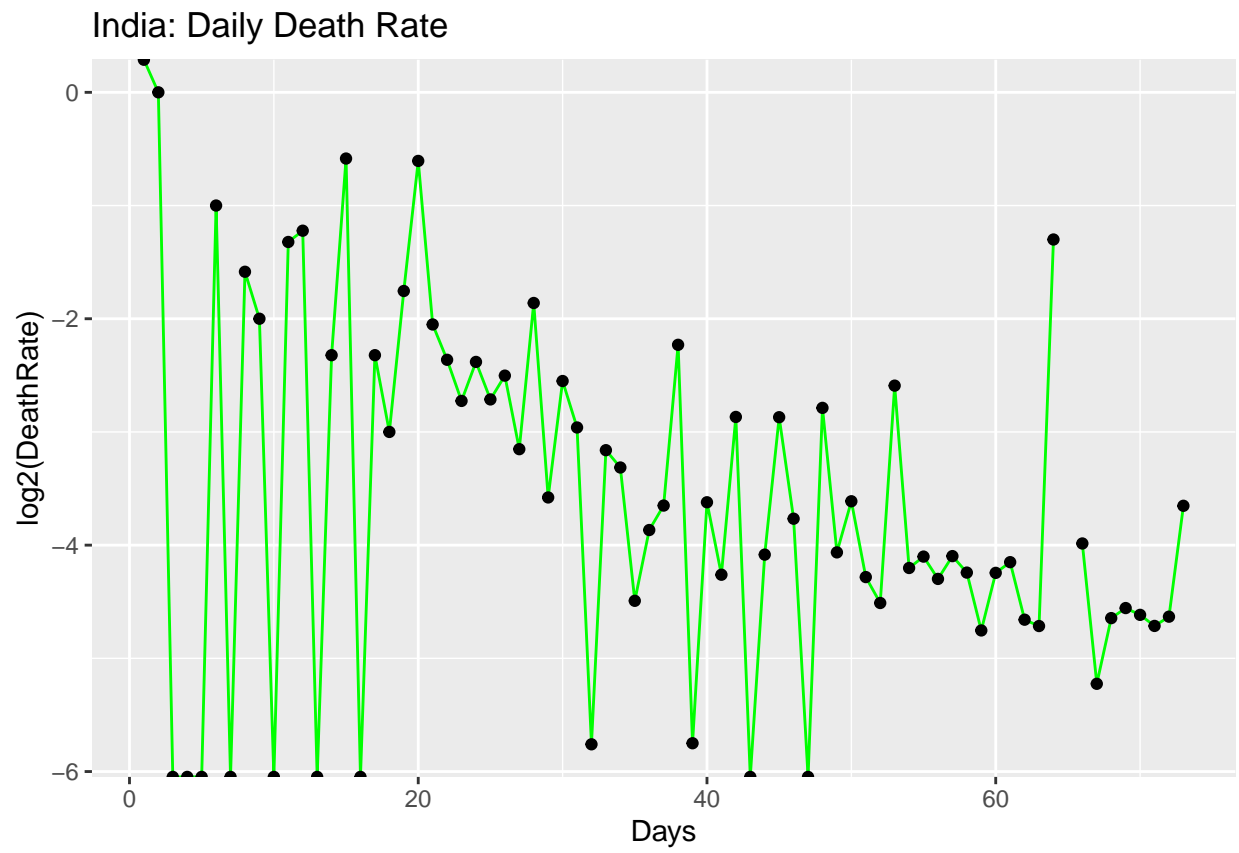




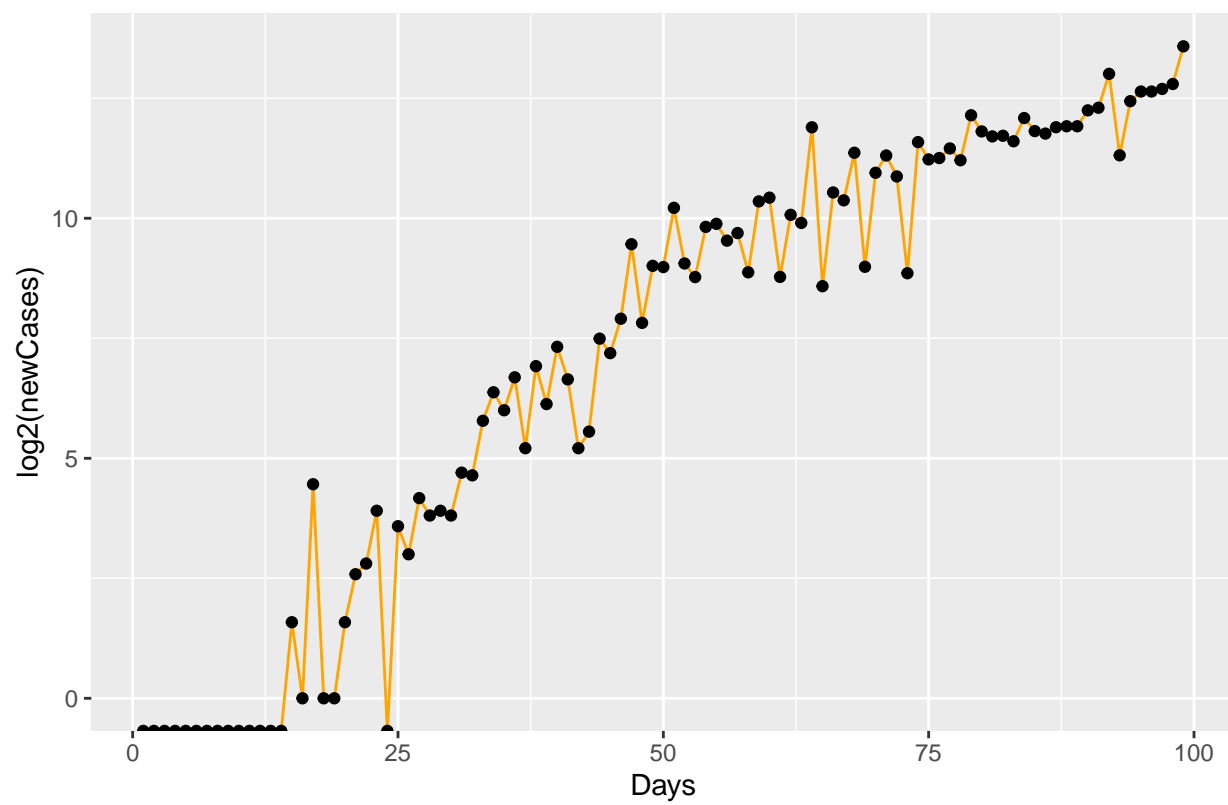




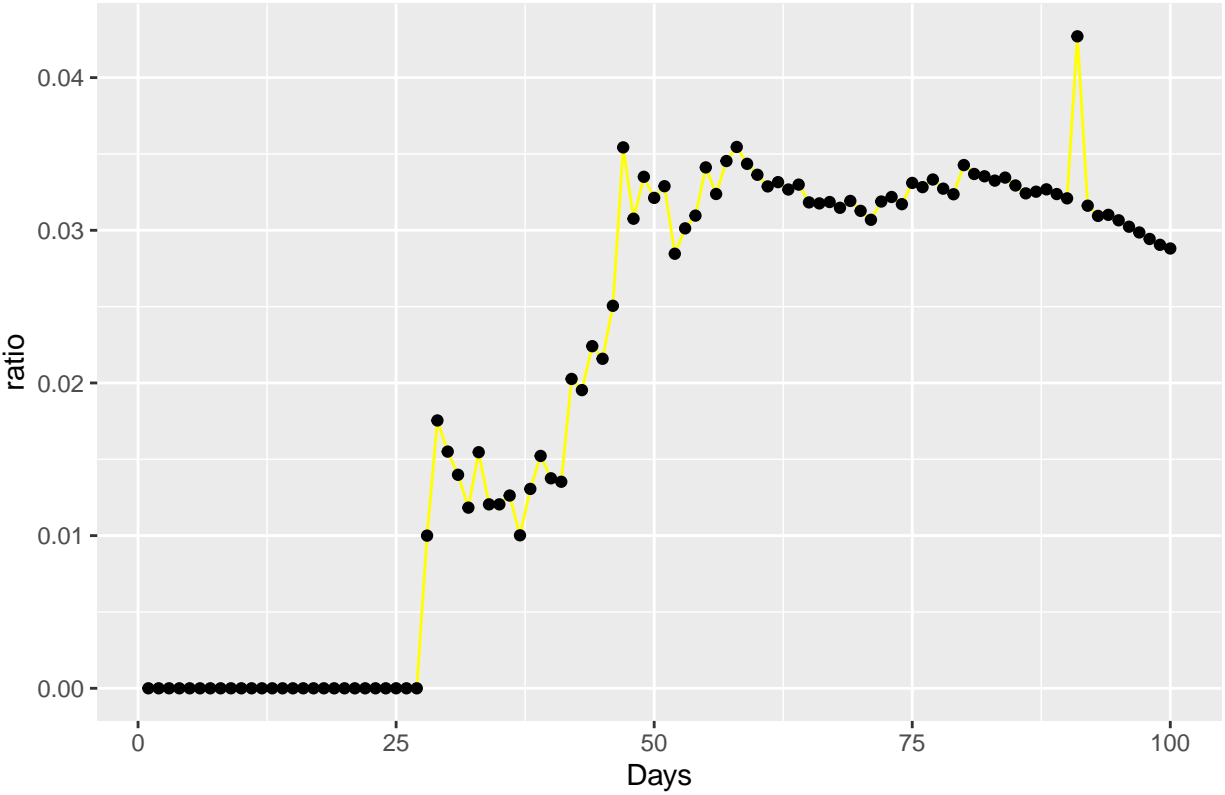


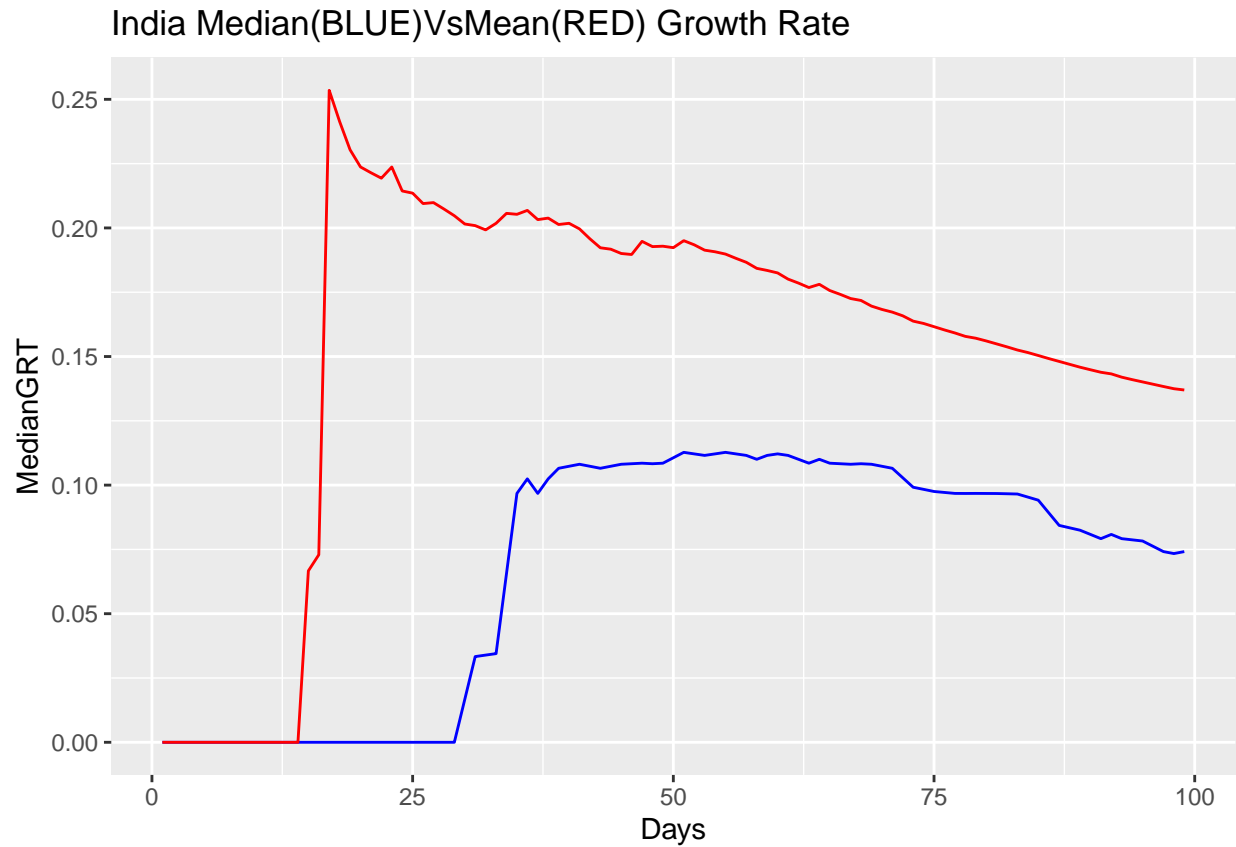


India:newCases(Orange)



India: TotalDeaths/TotalCases





#### Results:

- Tomorrow's predicted case number is between  $1.6413444 \times 10^5$  and  $1.7145009 \times 10^5$  cases.
- Current doubling rate is **8 days**
- Mean doubling rate, i.e number of cases doubles every **5 days**.
- Median doubling rate, i.e number of cases doubles every **9 days**.
- Latest Observed Growth Rate **8.8475198** percent.
- Mean Growth Rate: **13.6989725** percent.
- Median Growth Rate: **7.4148297** percent.
- Standard deviation: +/- **32.9606992**.