

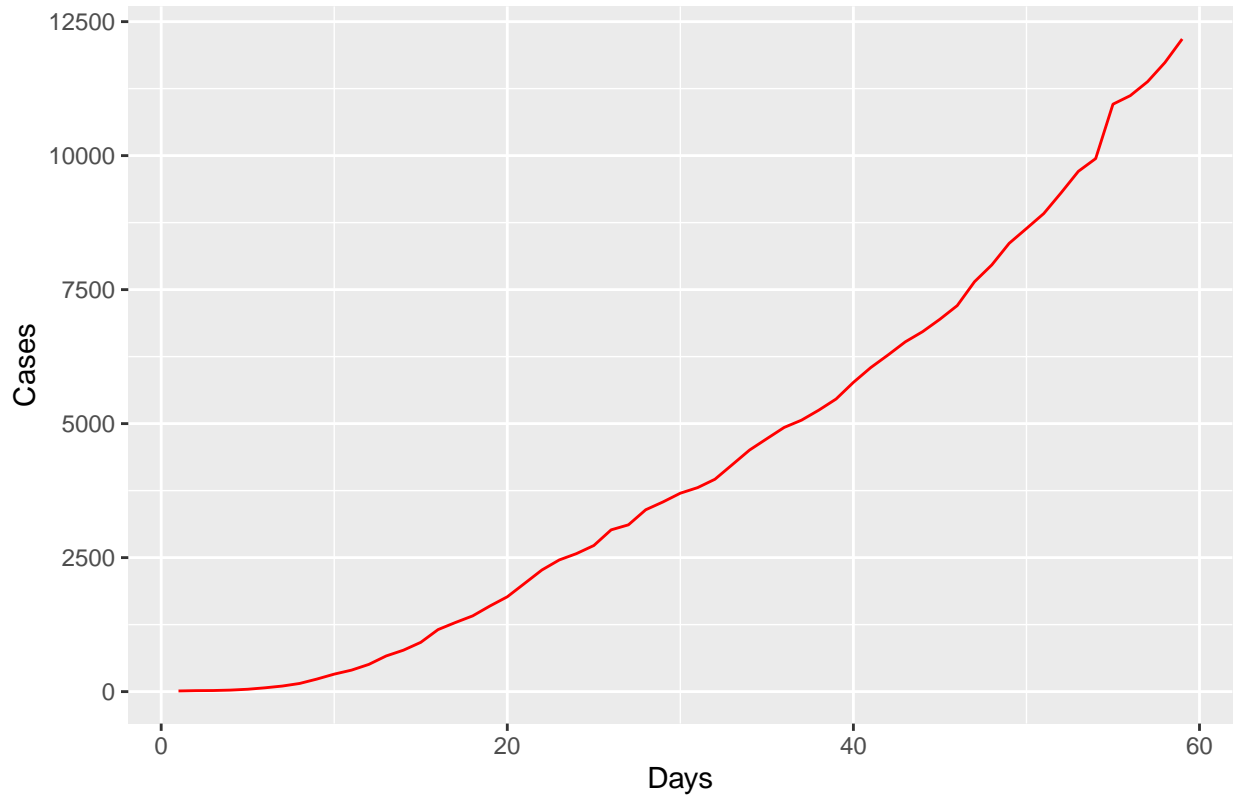
# Arizona/US/India Corona Trends- 13th May 2020 with tomorrow's prediction

Whitchurch Muthumani

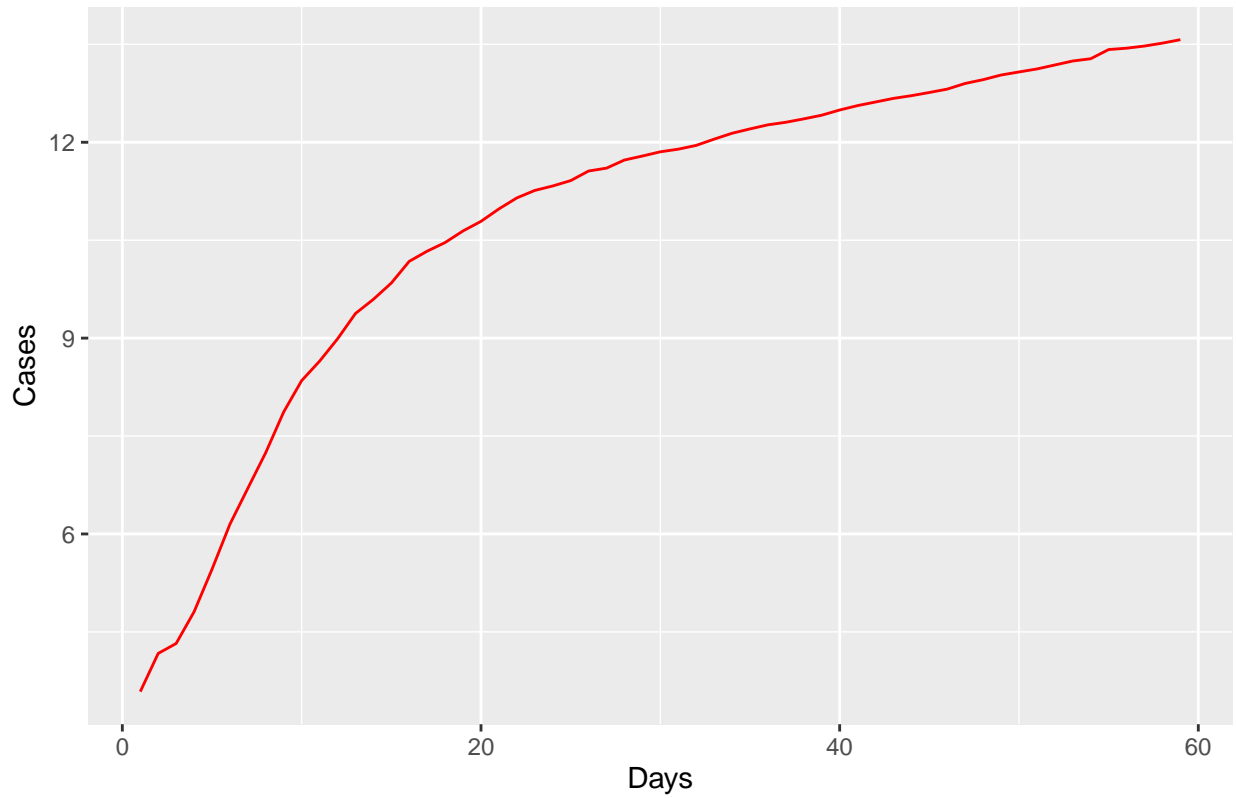
5/13/2020

## Arizona Corona Dashboard

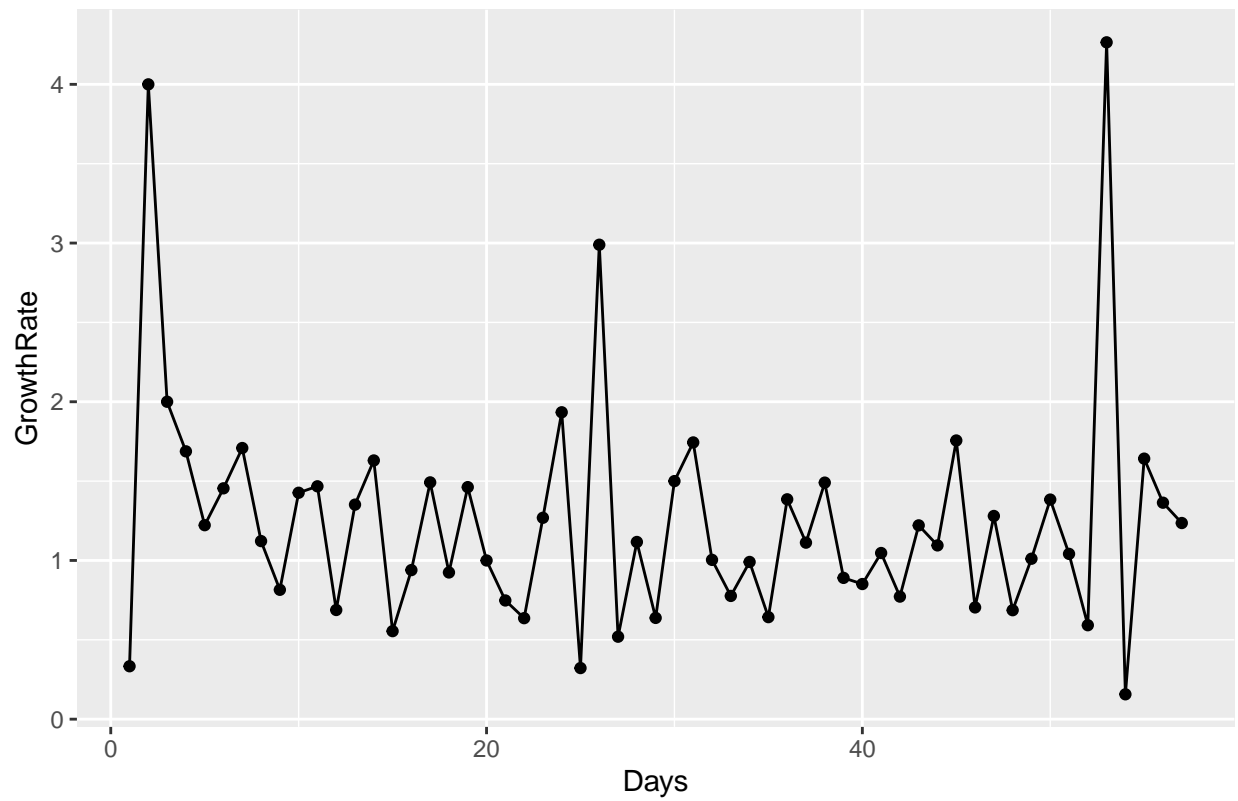
### Arizona: Daily Cases



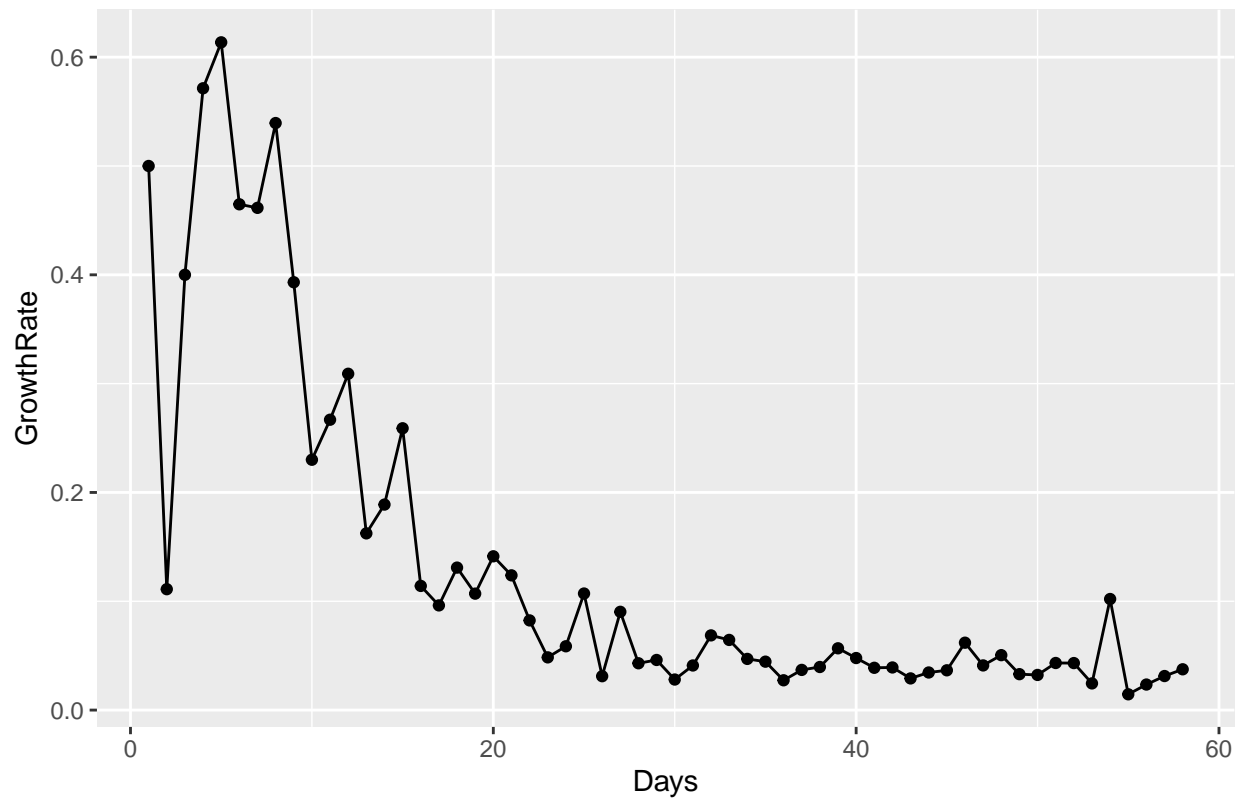
### Arizona: Daily Cases

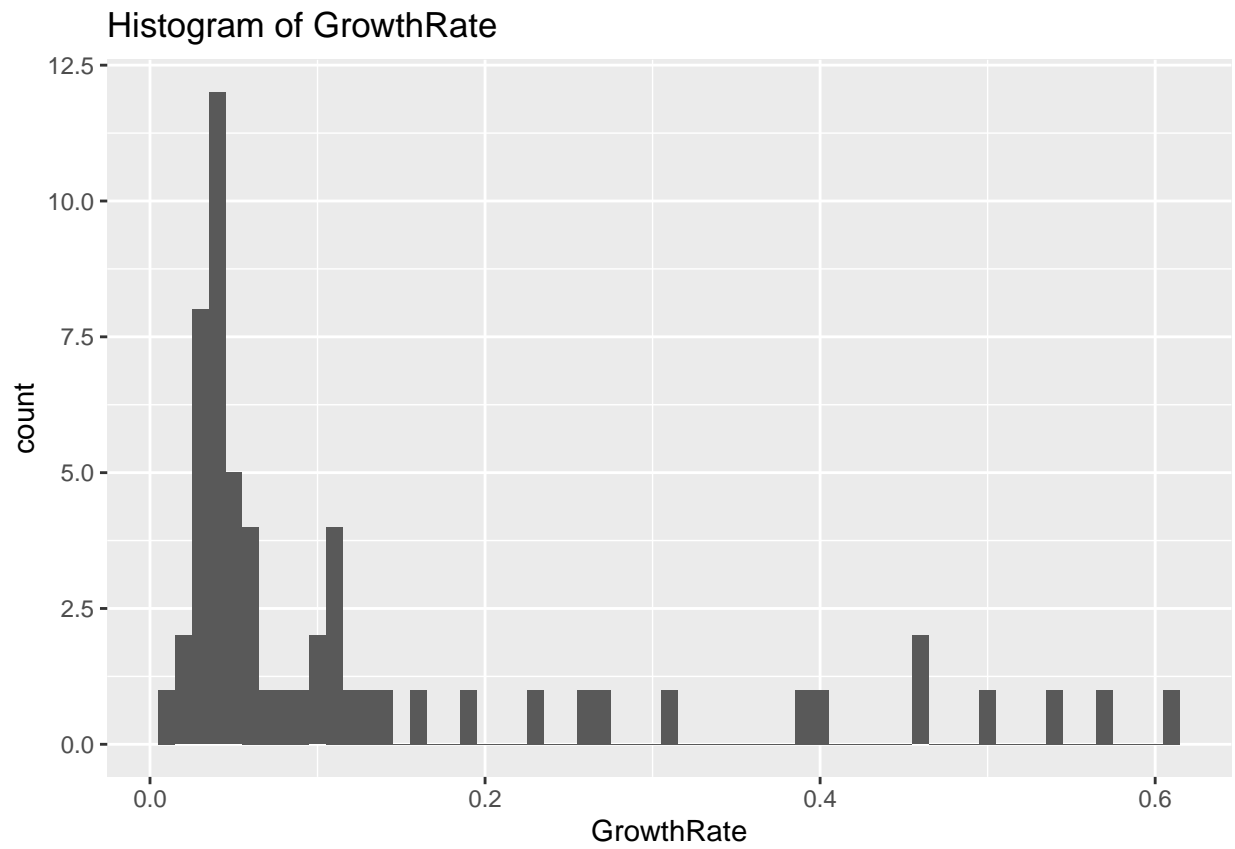


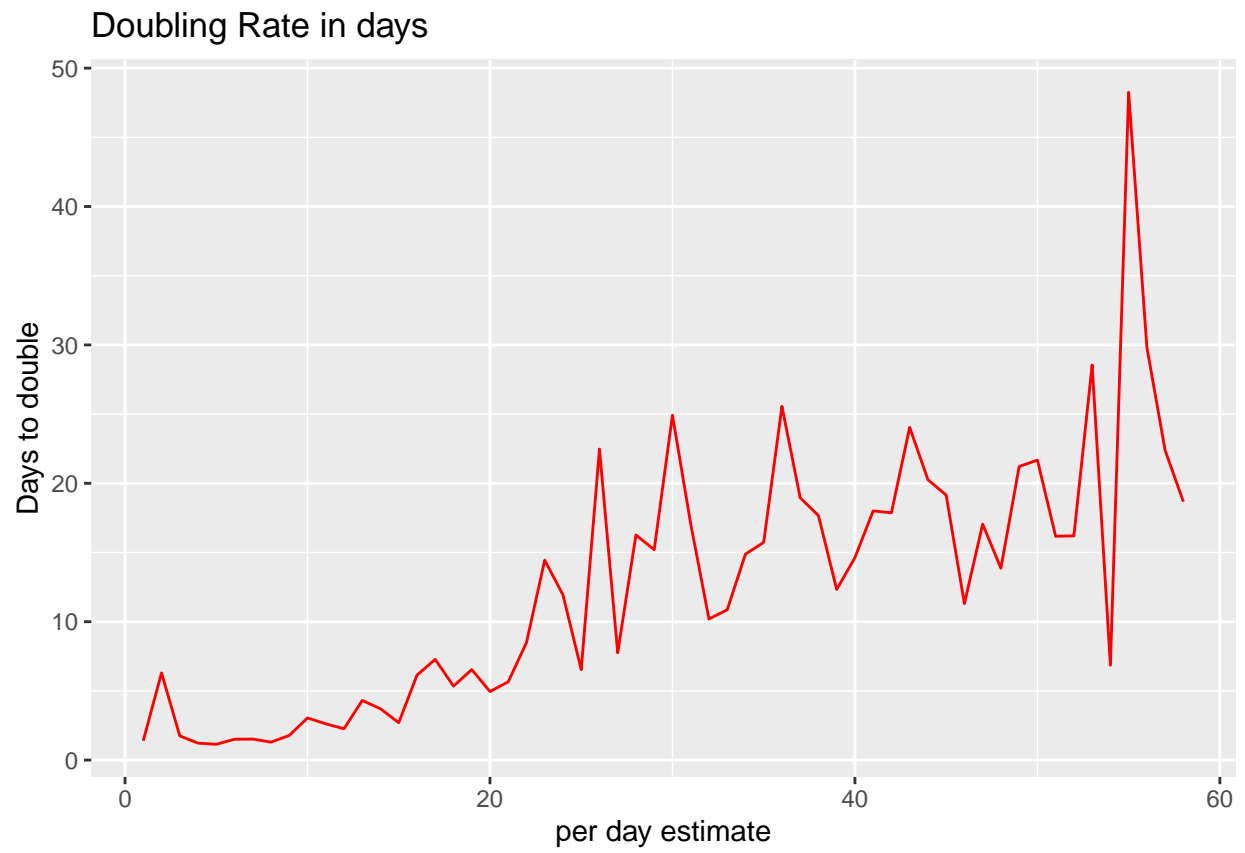
Arizona: Rate of change in Growth Rate



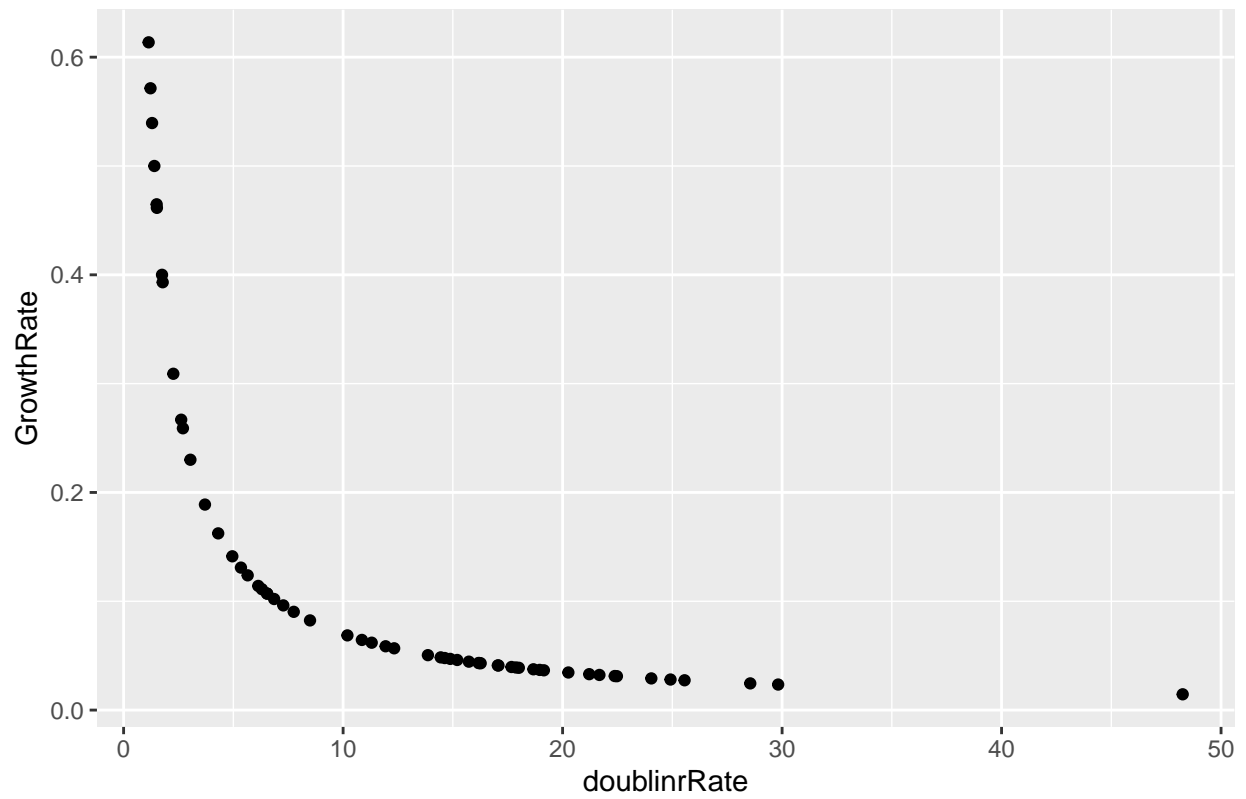
Arizona: Growth Rate

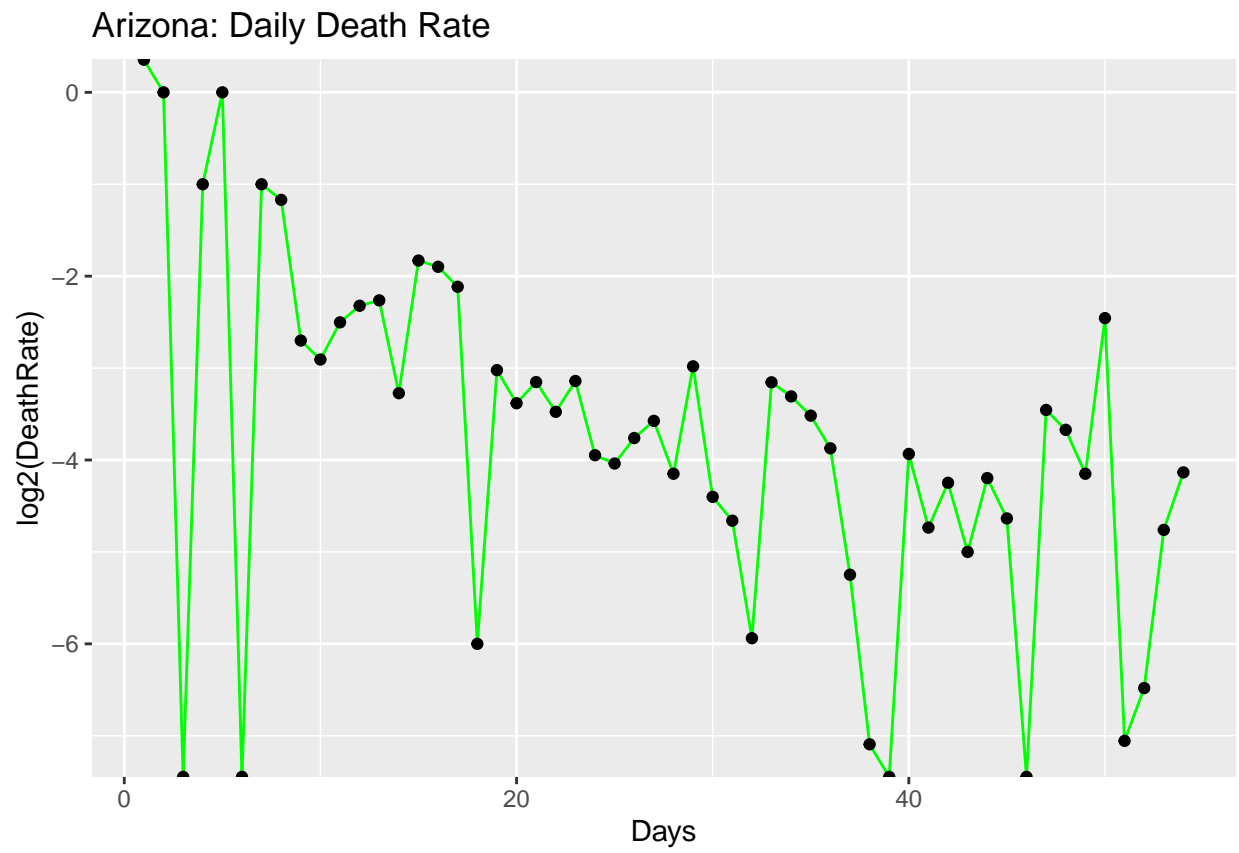




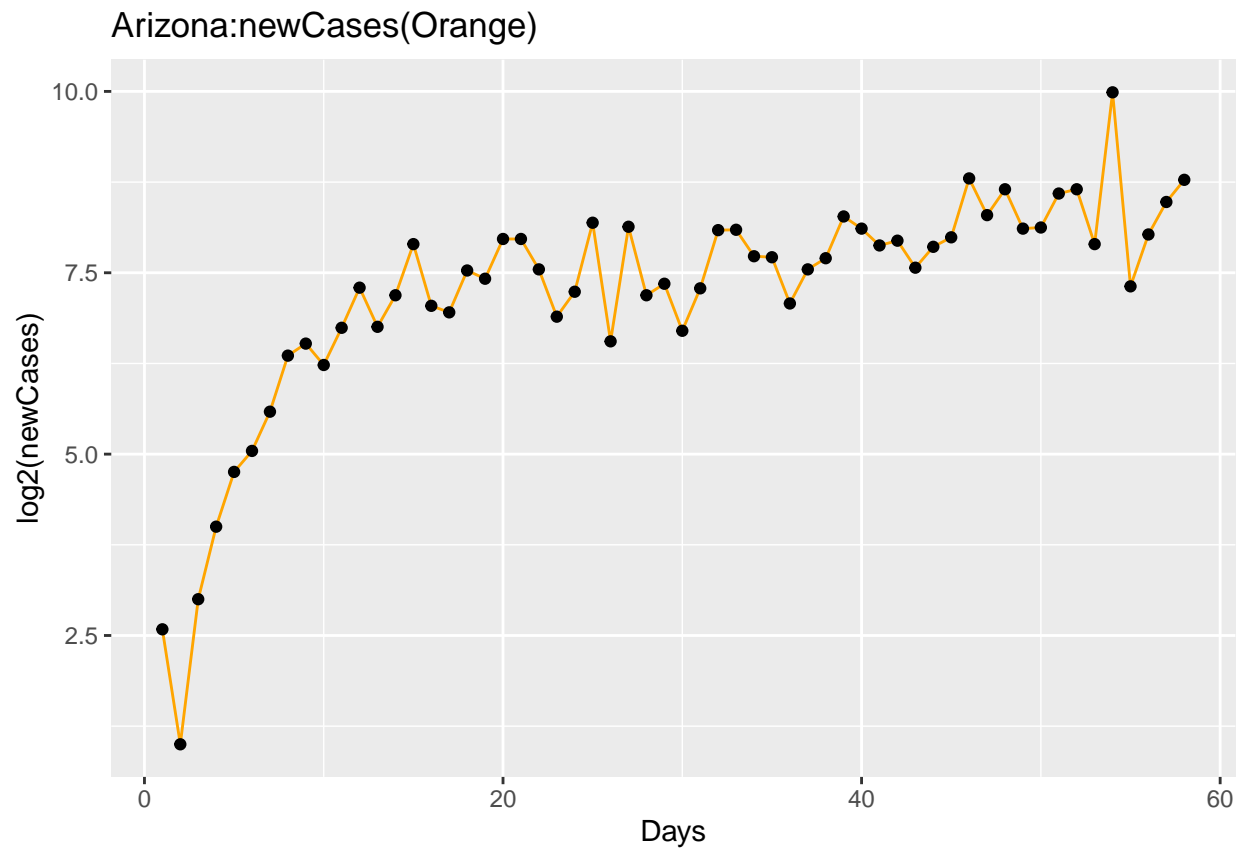


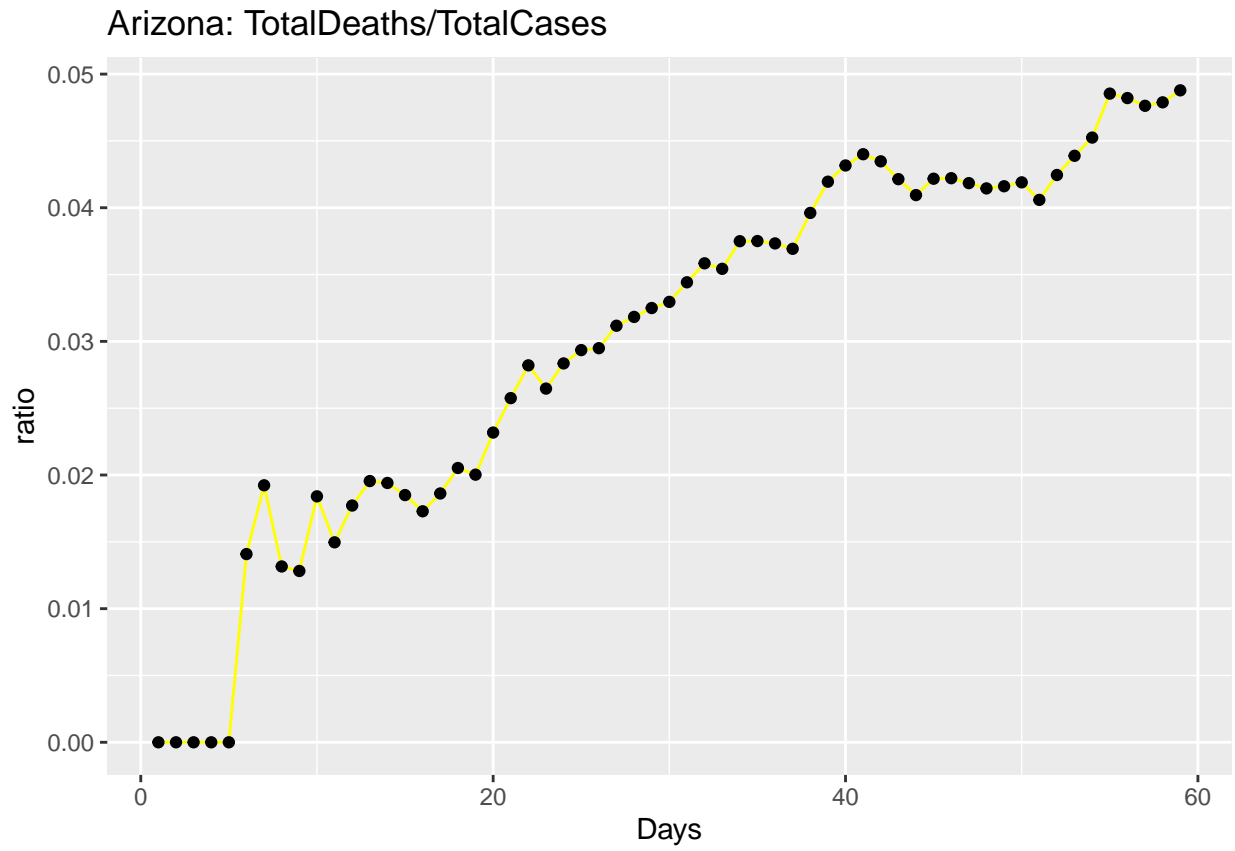
Doubling Rate vs Growth Rate

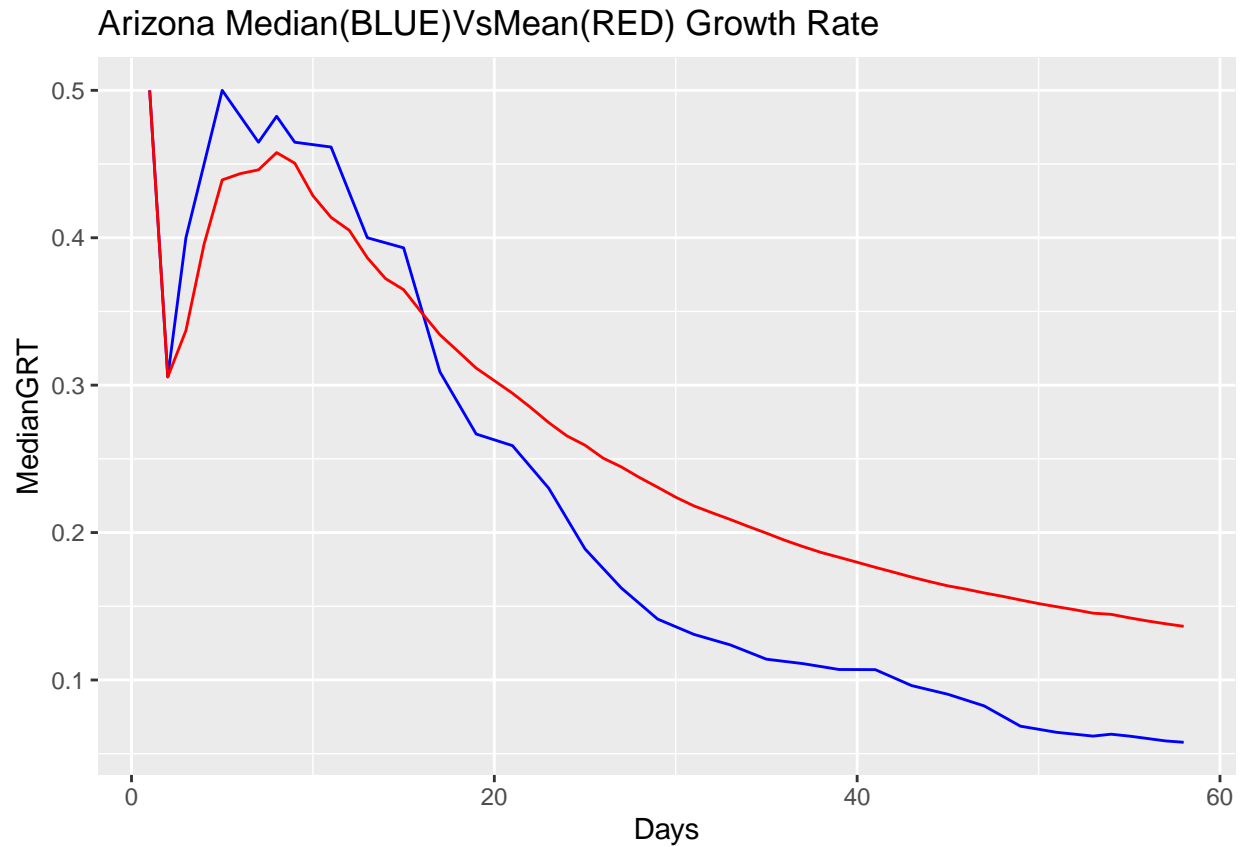










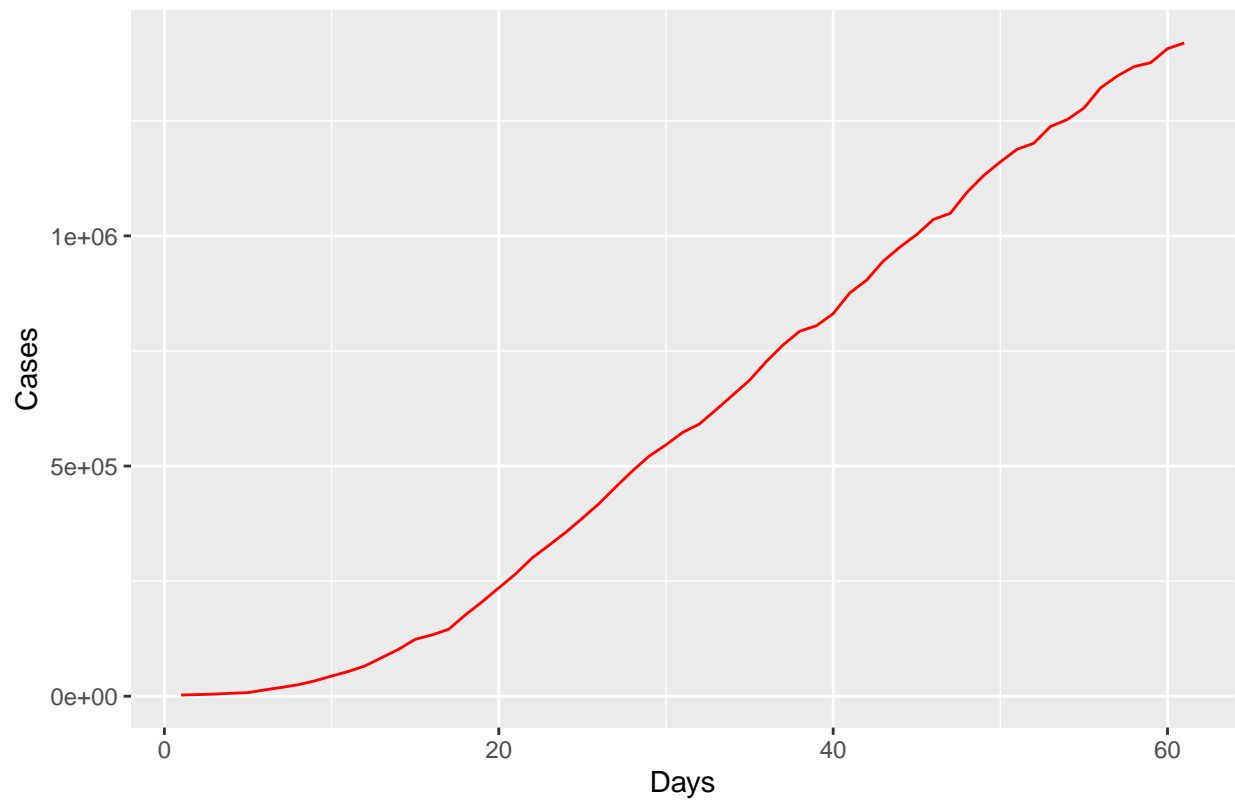


#### Results:

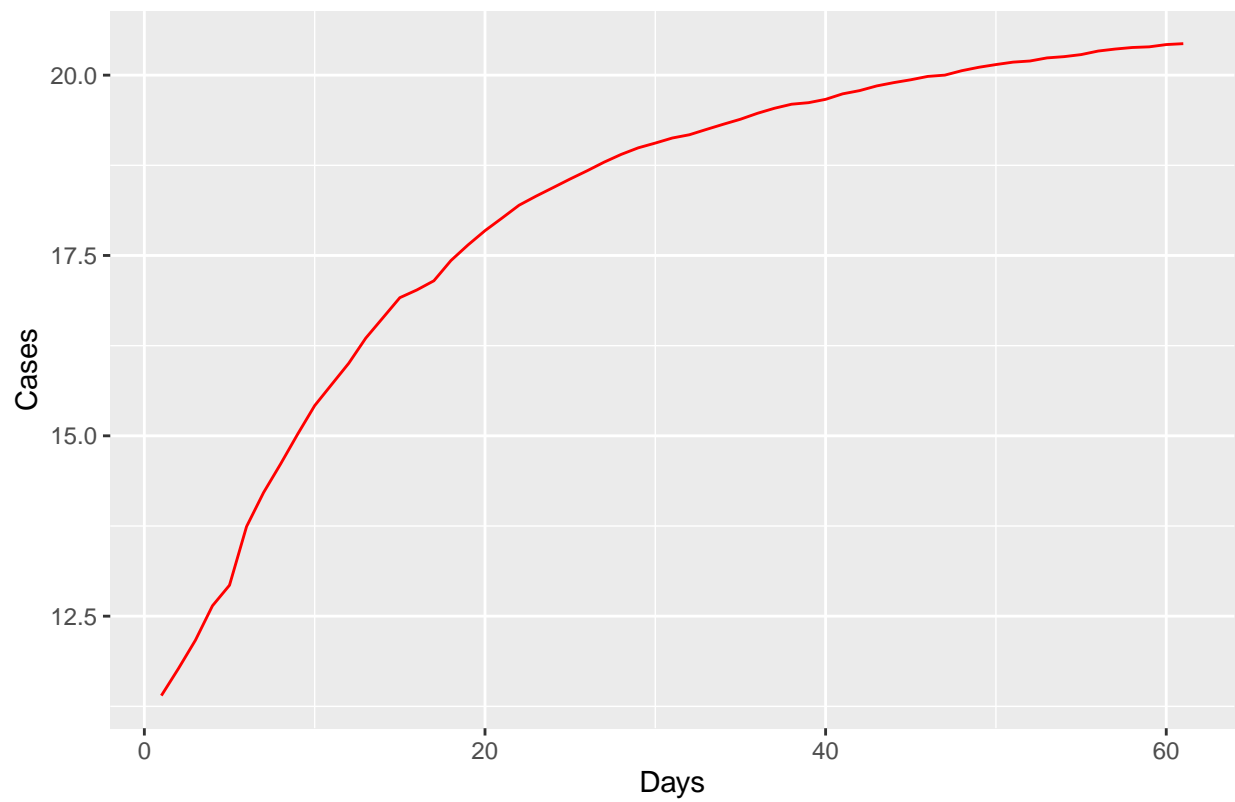
- Tomorrows predicted case number is between  $1.2632496 \times 10^4$  and  $1.3836769 \times 10^4$  cases.
- Current doubling rate is **19 days**
- Mean doubling rate, i.e number of cases doubles every **5 days**.
- Median doubling rate, i.e number of cases doubles every **12 days**.
- Latest Observed Growth Rate **3.7491479** percent.
- Mean Growth Rate: **13.6396898** percent.
- Median Growth Rate: **5.7713867** percent.
- Standard deviation: +/- **15.9625478**.

## US Corona Dashboard

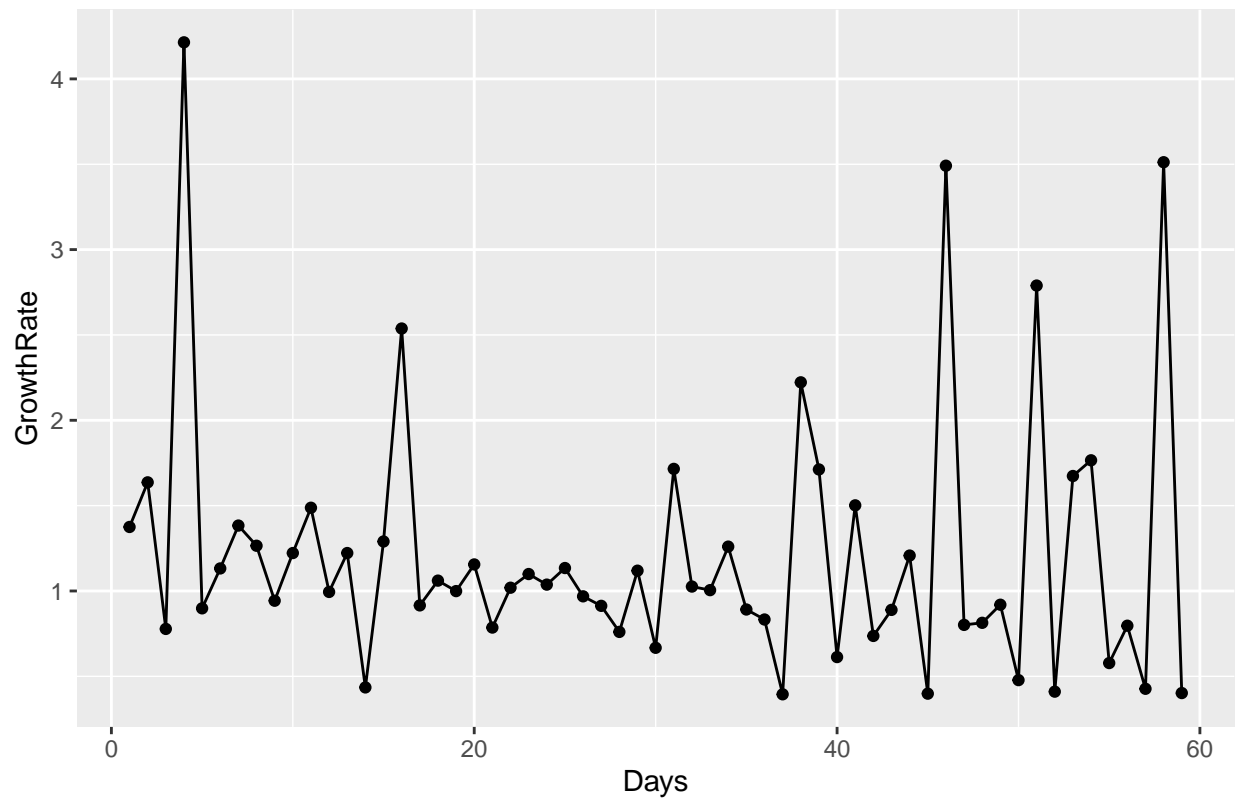
### US: Daily Cases



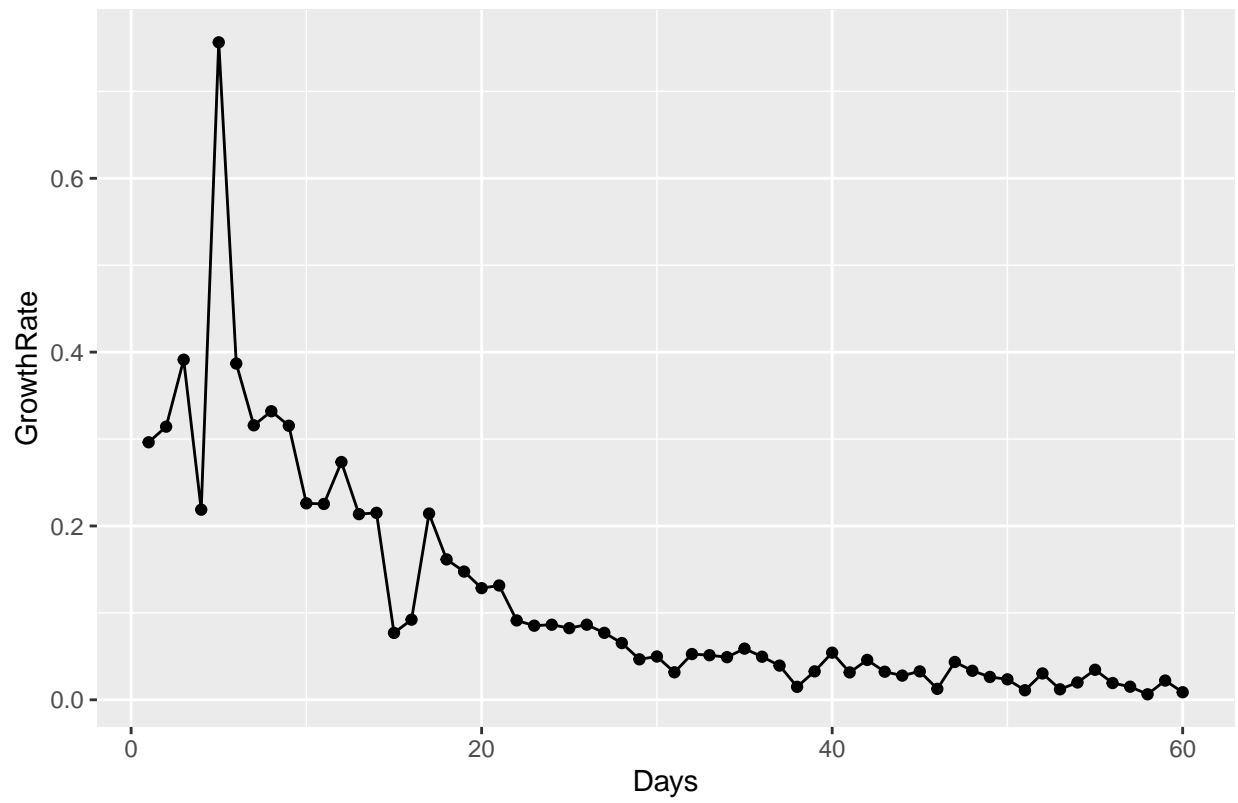
### US: Daily Cases

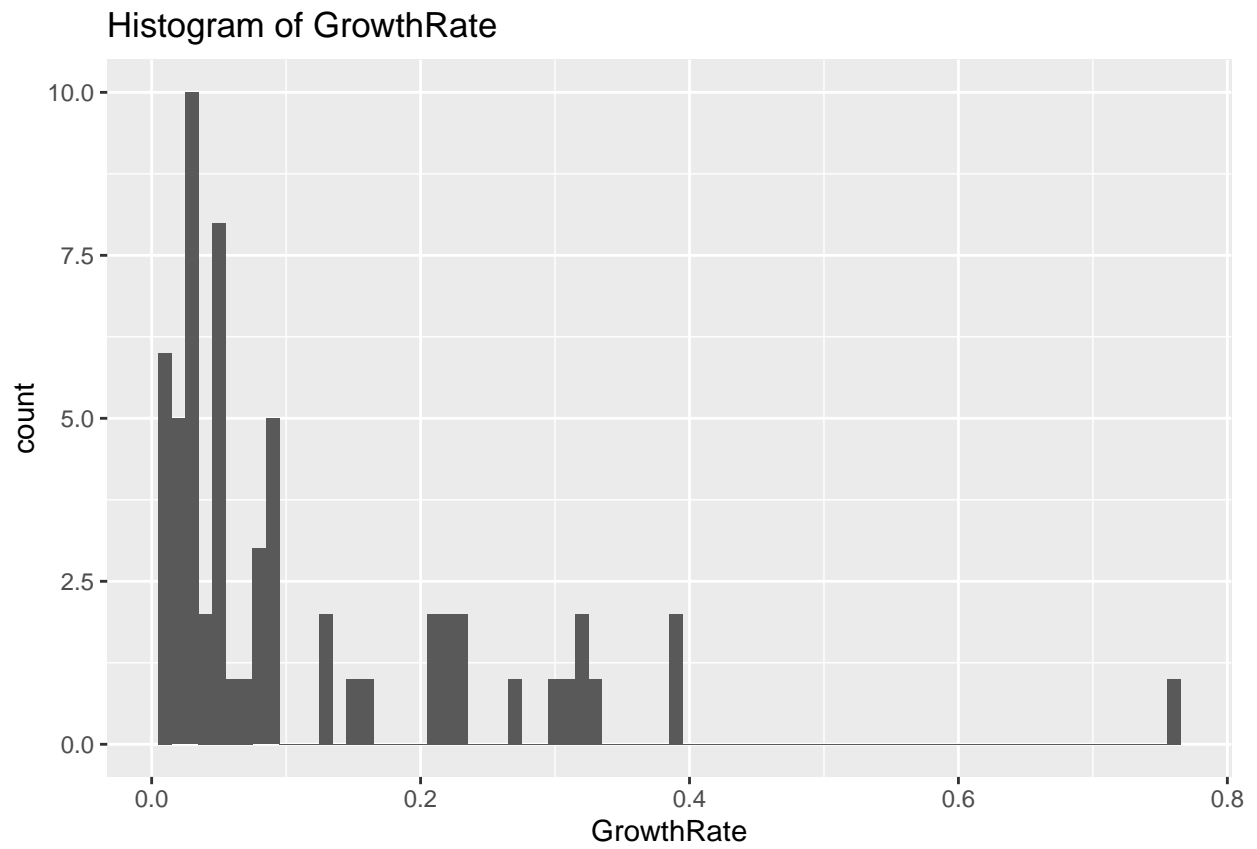


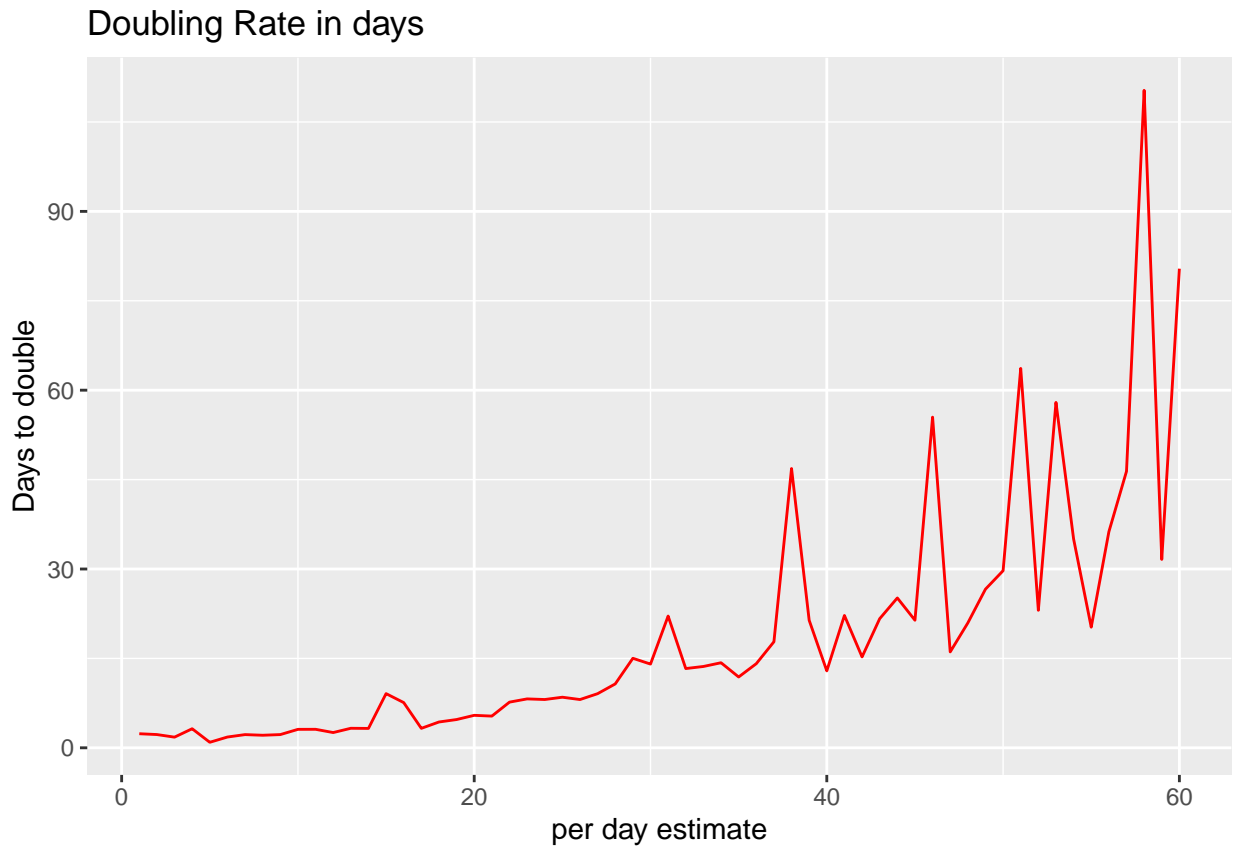
US: Rate of change in Growth Rate



US: Growth Rate

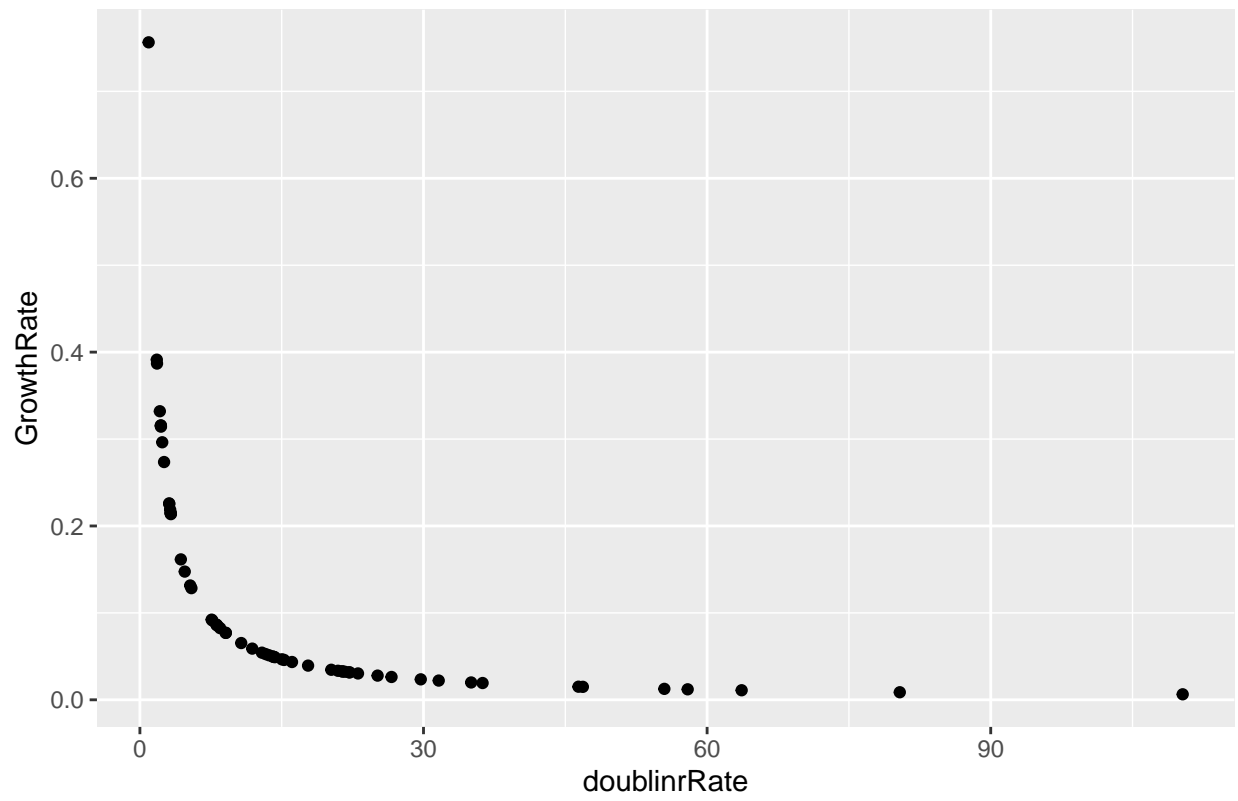


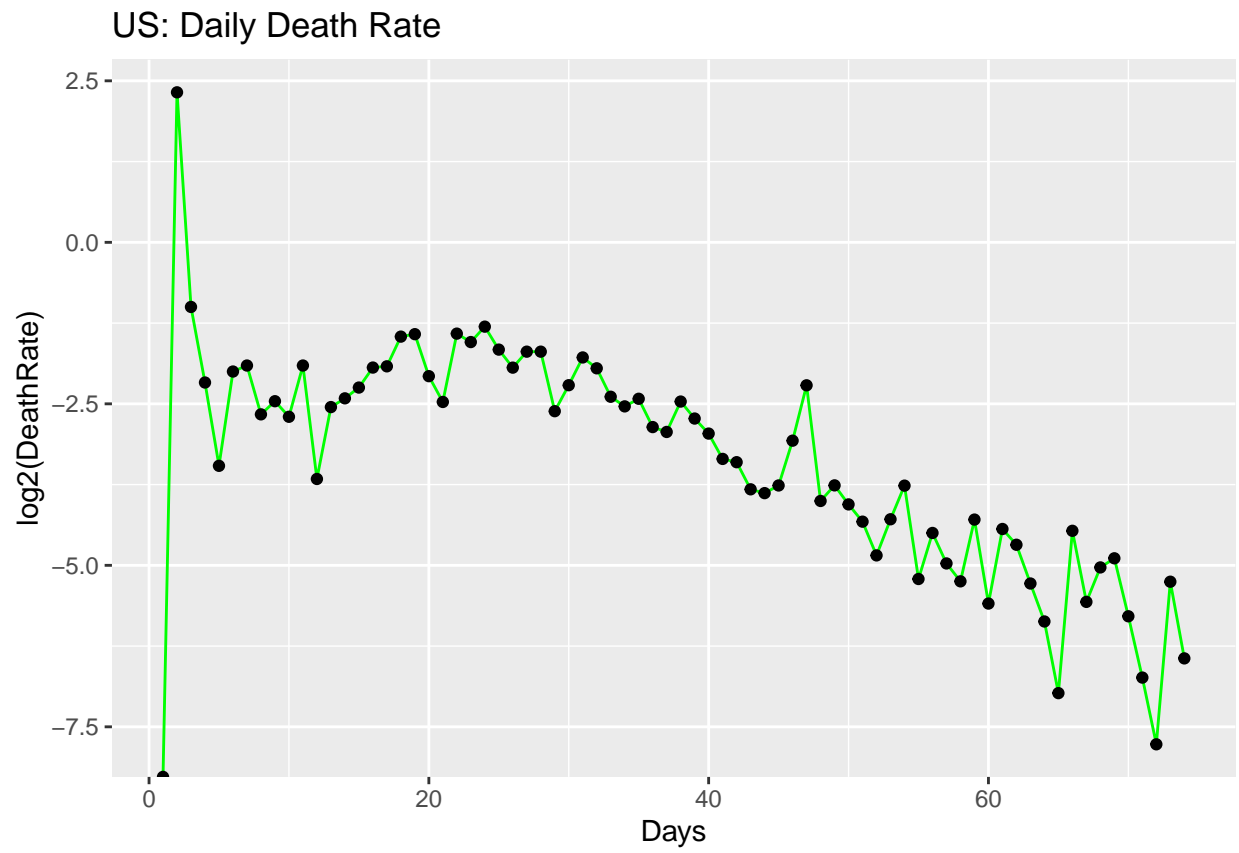


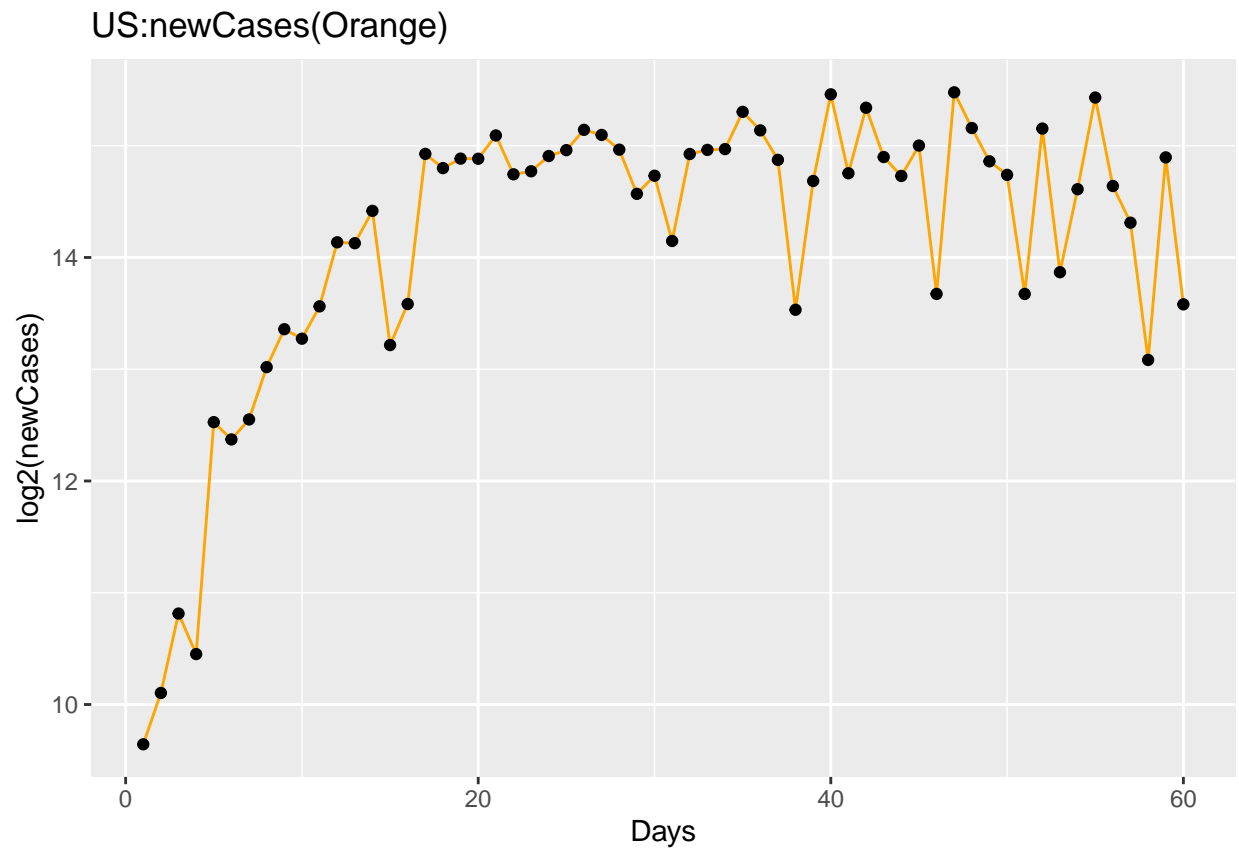


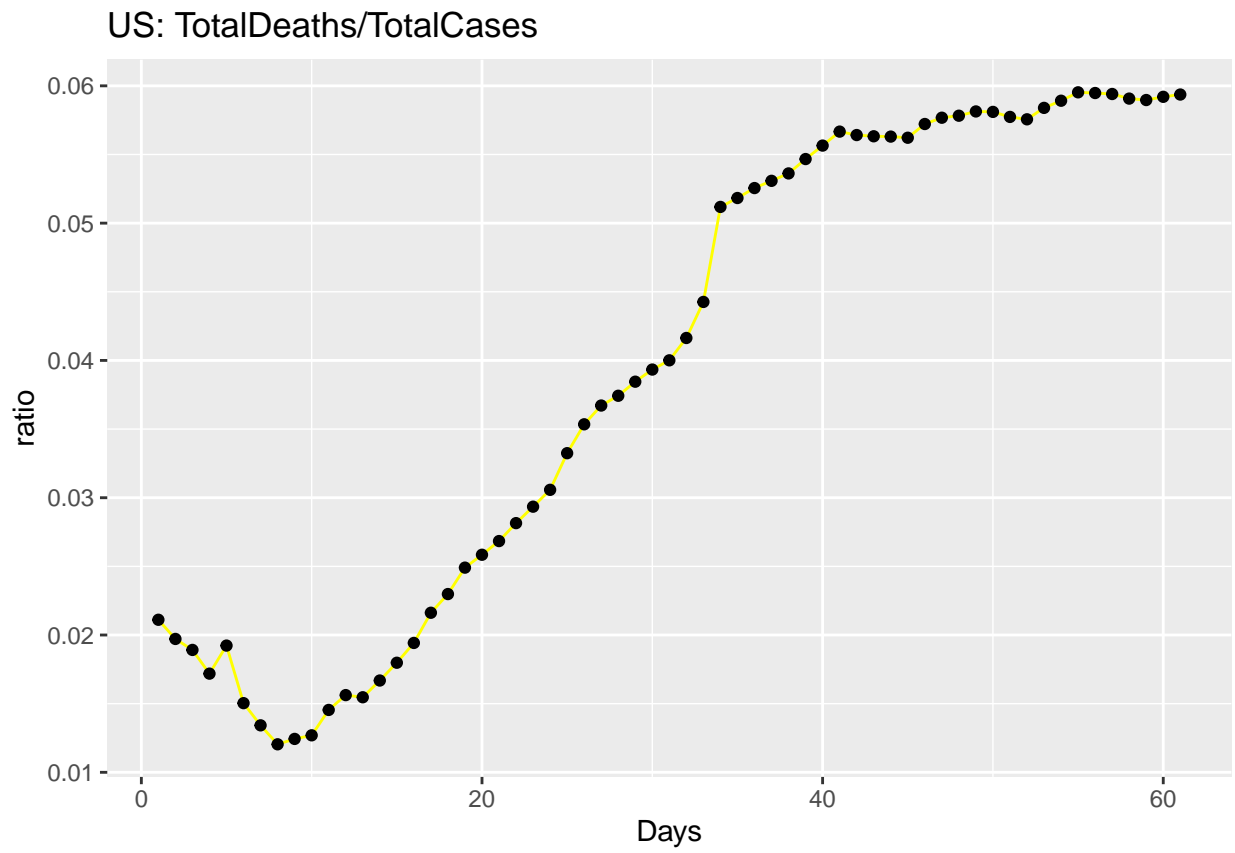


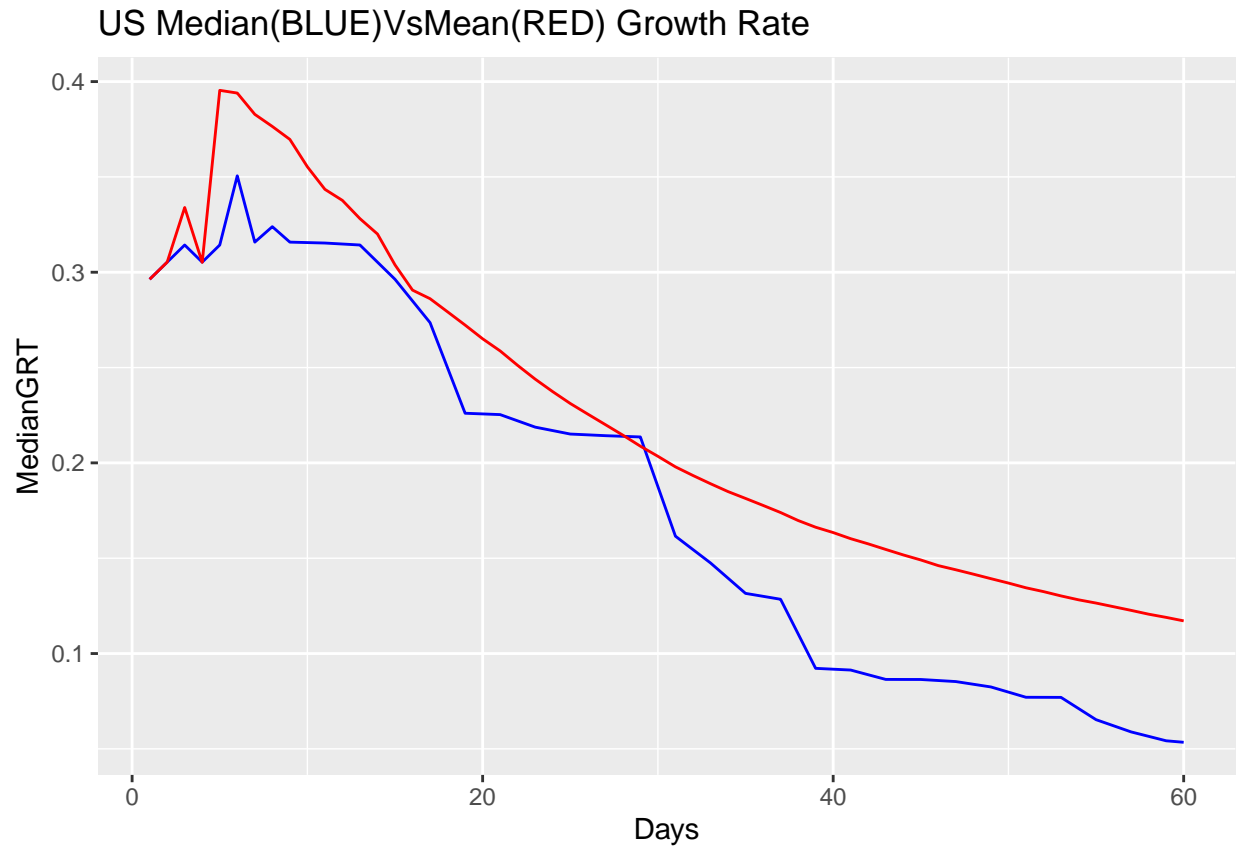
Doubling Rate vs Growth Rate







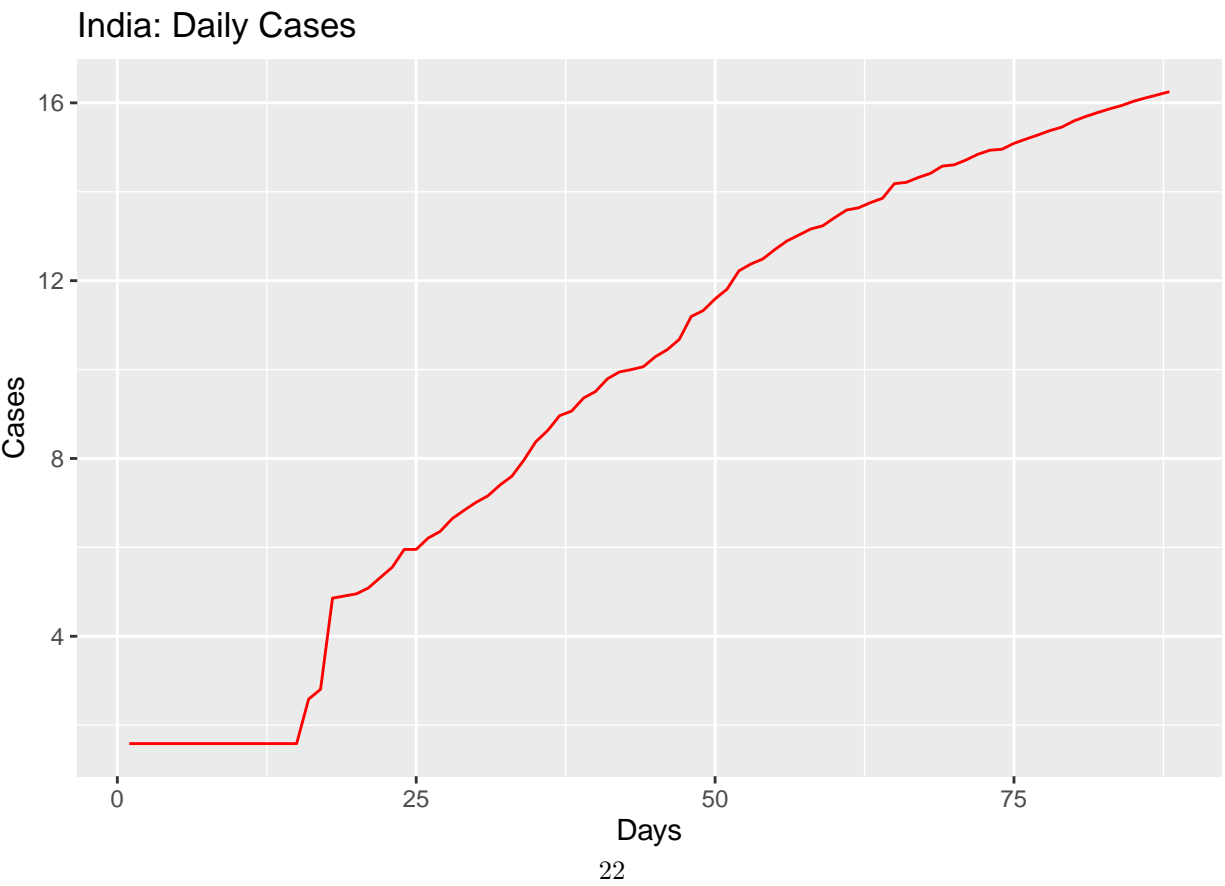
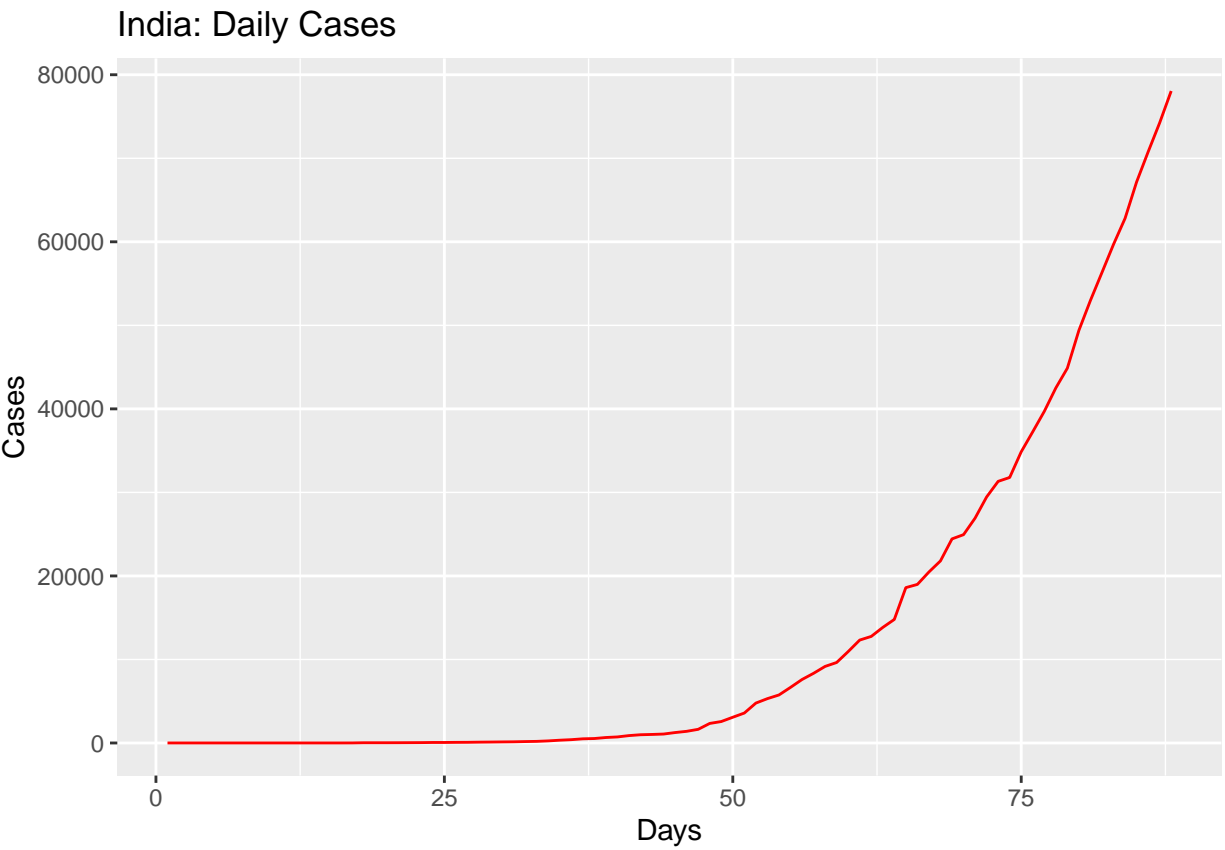




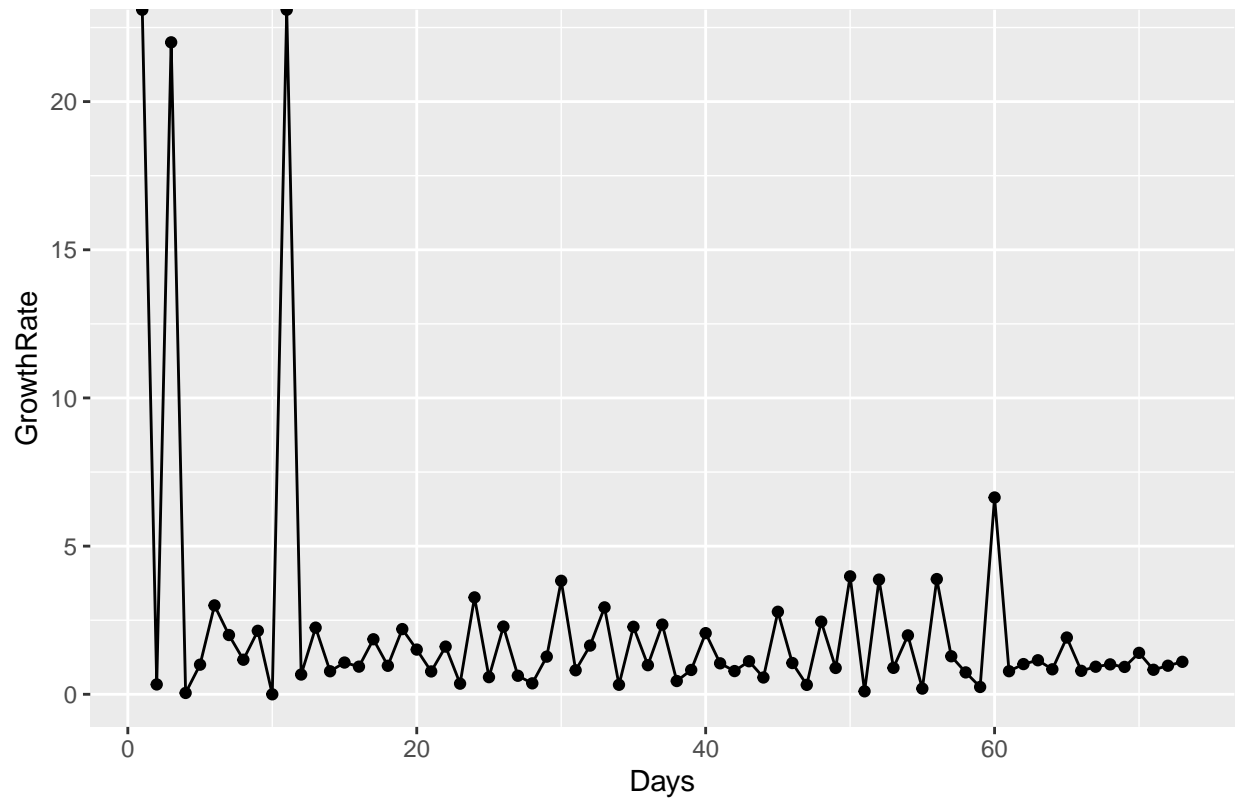
#### Results:

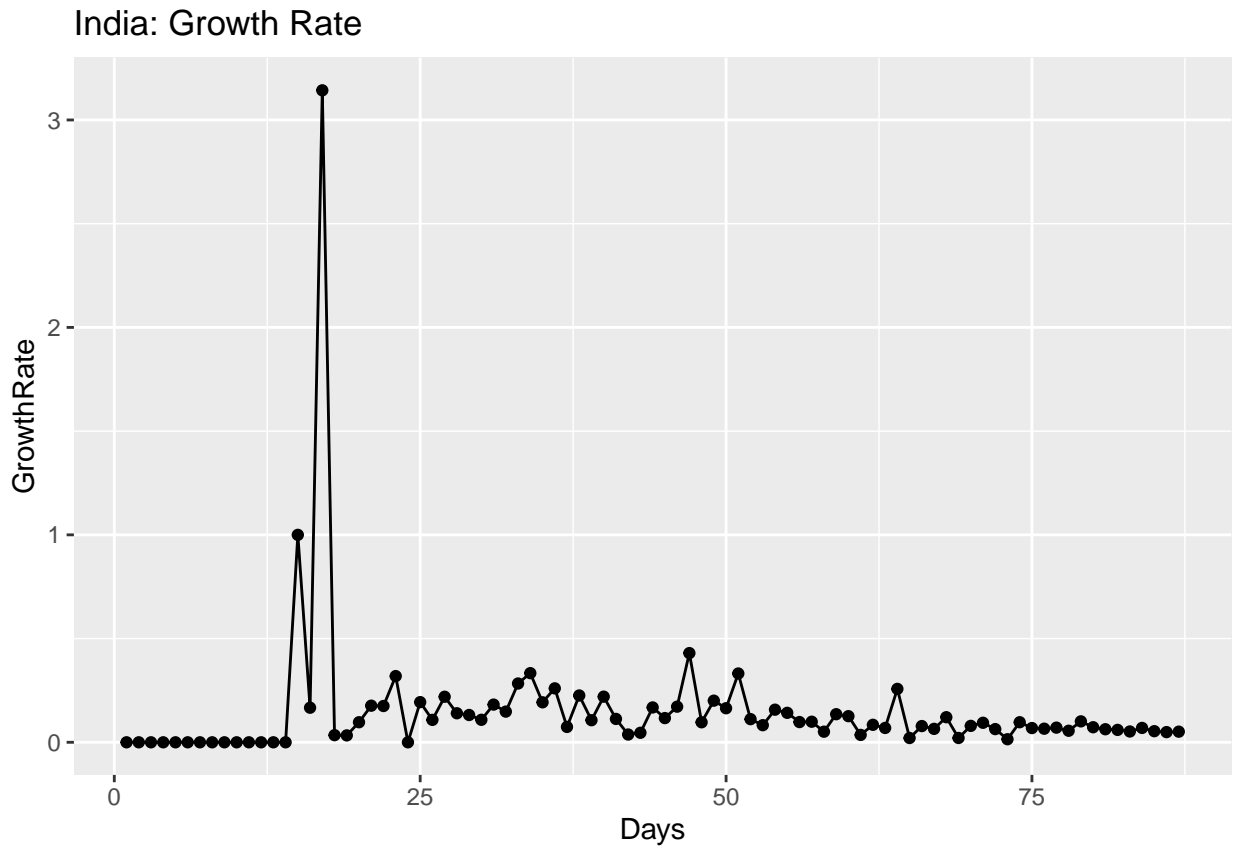
- Tomorrow's predicted case number is between  $1.4314057 \times 10^6$  and  $1.5852544 \times 10^6$  cases.
- Current doubling rate is **80 days**
- Mean doubling rate, i.e number of cases doubles every **6 days**.
- Median doubling rate, i.e number of cases doubles every **13 days**.
- Latest Observed Growth Rate **0.8708435** percent.
- Mean Growth Rate: **11.7125258** percent.
- Median Growth Rate: **5.343661** percent.
- Standard deviation: +/- **13.6130469**.

India Corona Dashboard

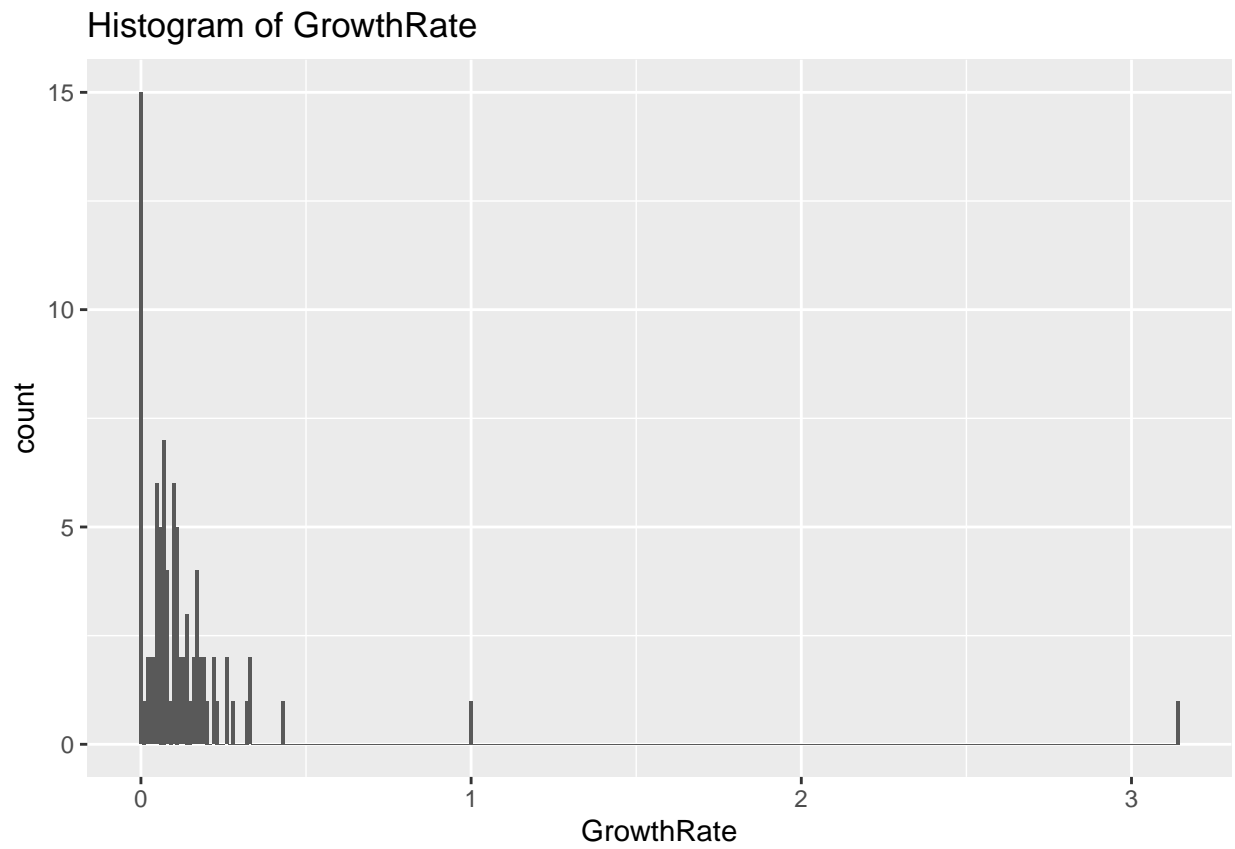


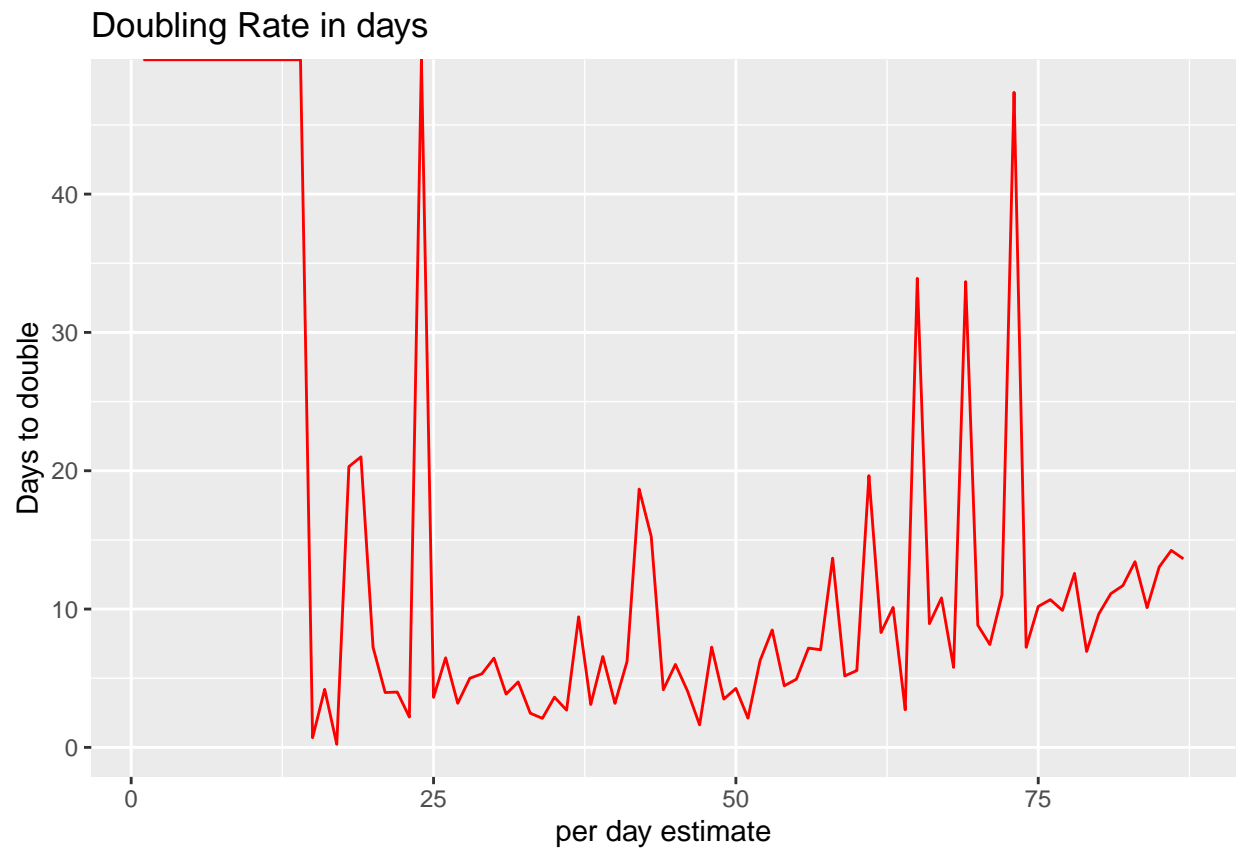
US: Rate of change in Growth Rate

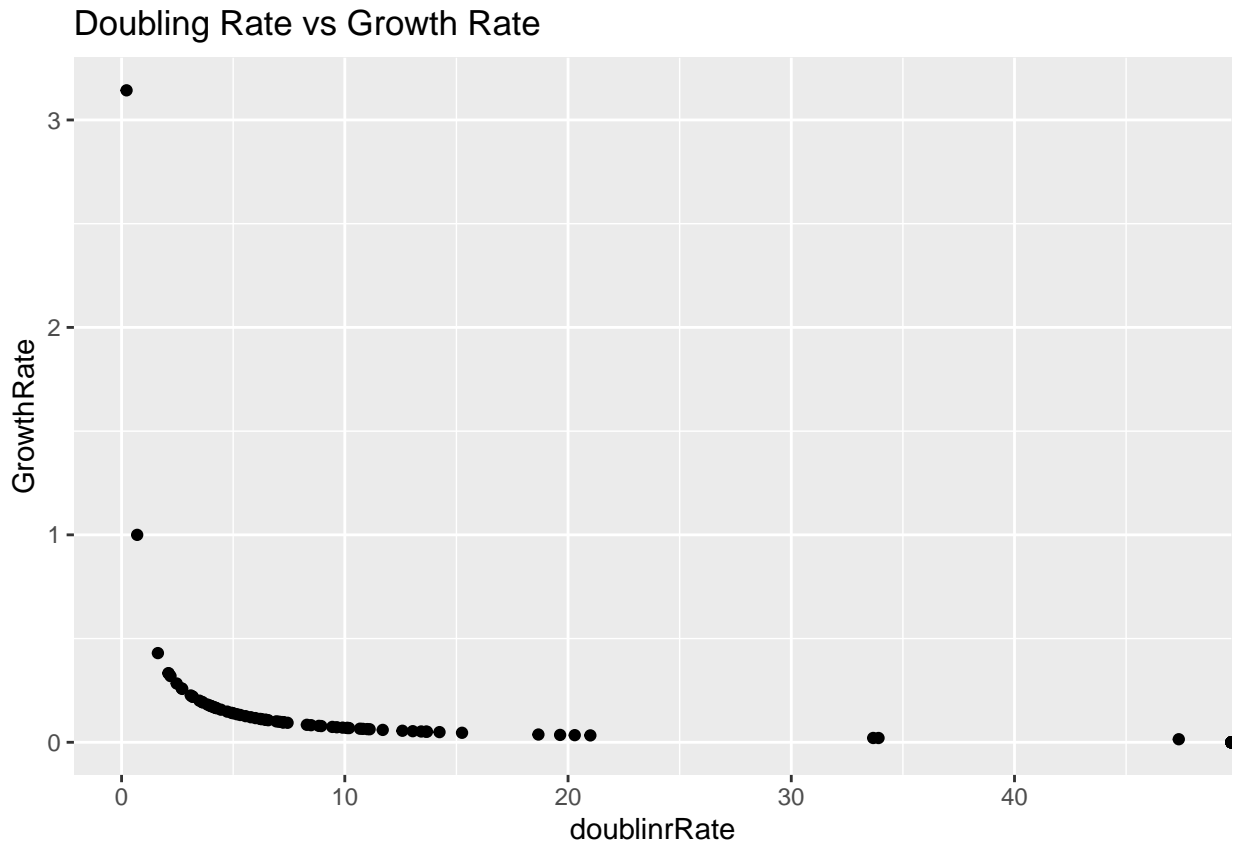


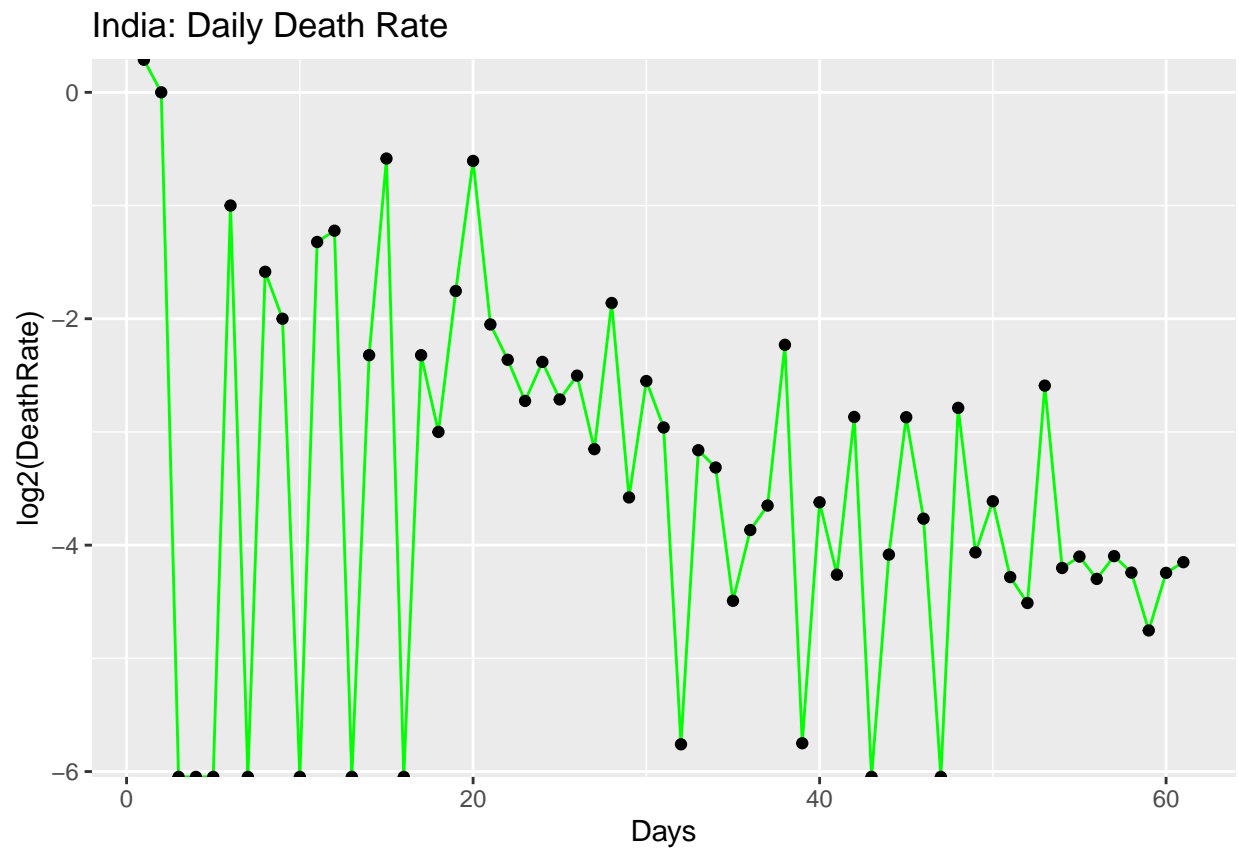


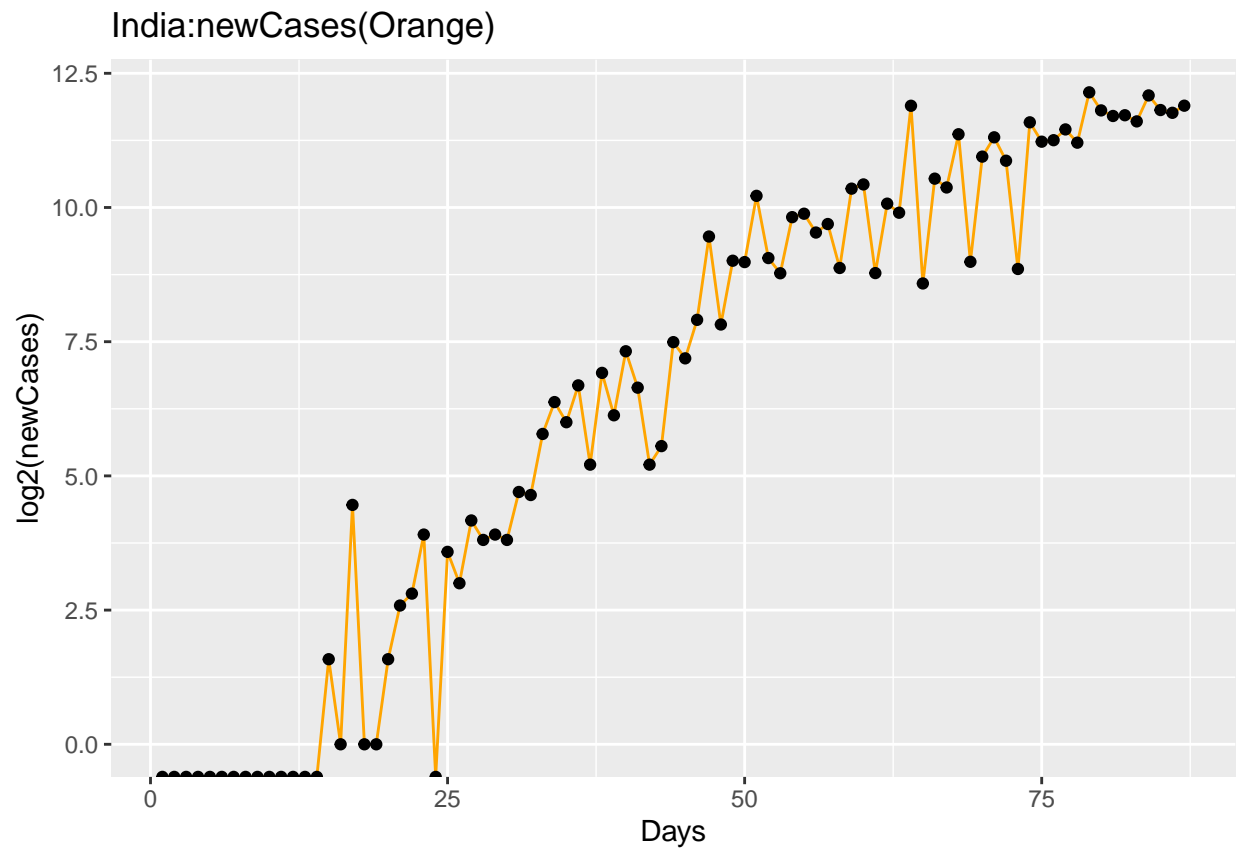




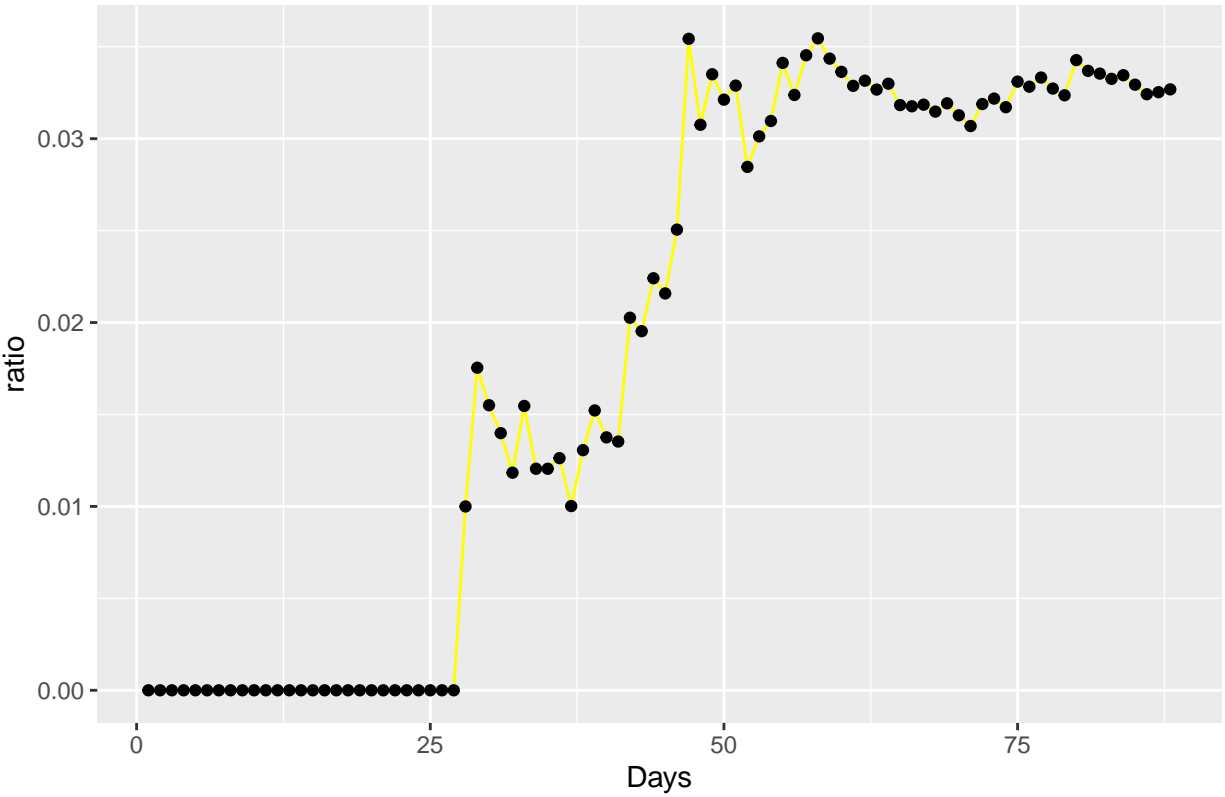


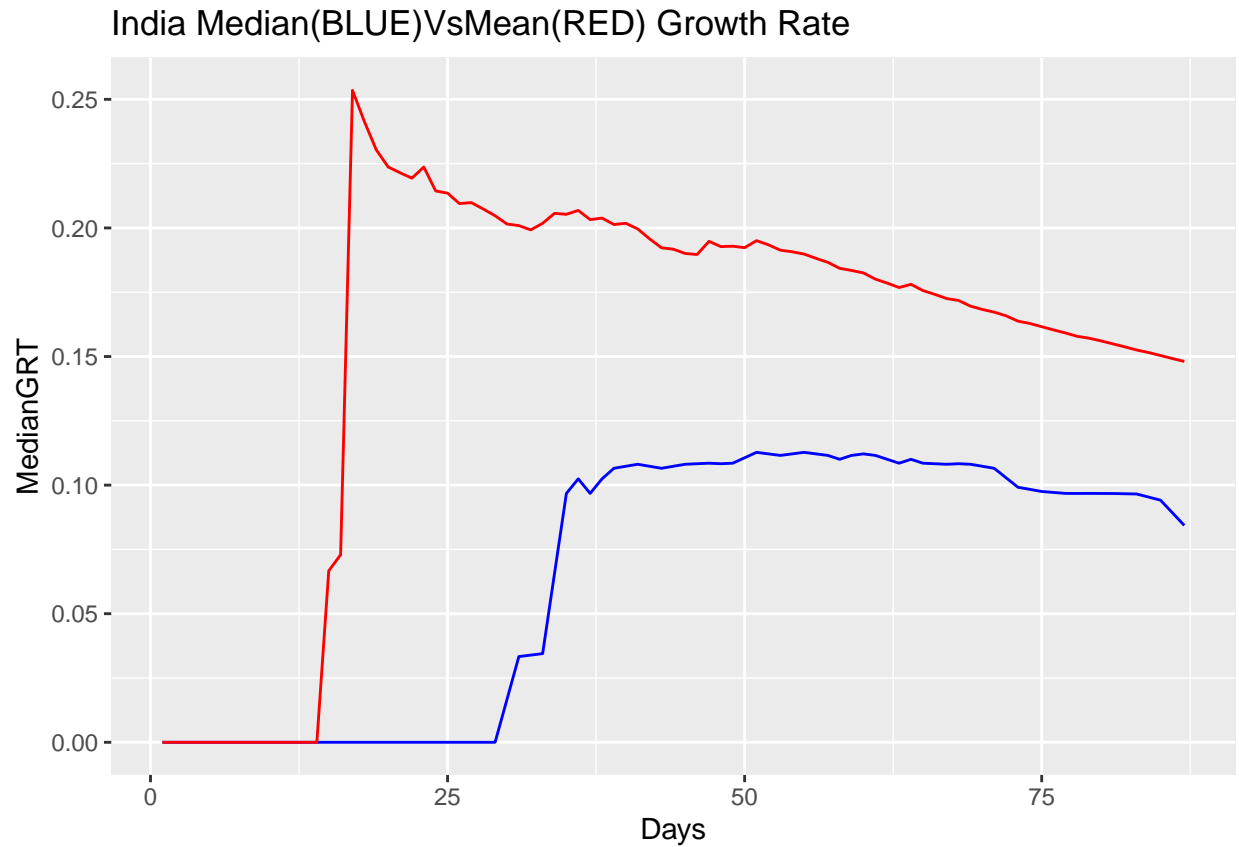






India: TotalDeaths/TotalCases





#### Results:

- Tomorrow's predicted case number is between  $8.2062727 \times 10^4$  and  $8.961398 \times 10^4$  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 **8 days**.
- Latest Observed Growth Rate **5.1344908** percent.
- Mean Growth Rate: **14.8087627** percent.
- Median Growth Rate: **8.4332628** percent.
- Standard deviation: +/- **35.0336889**.