

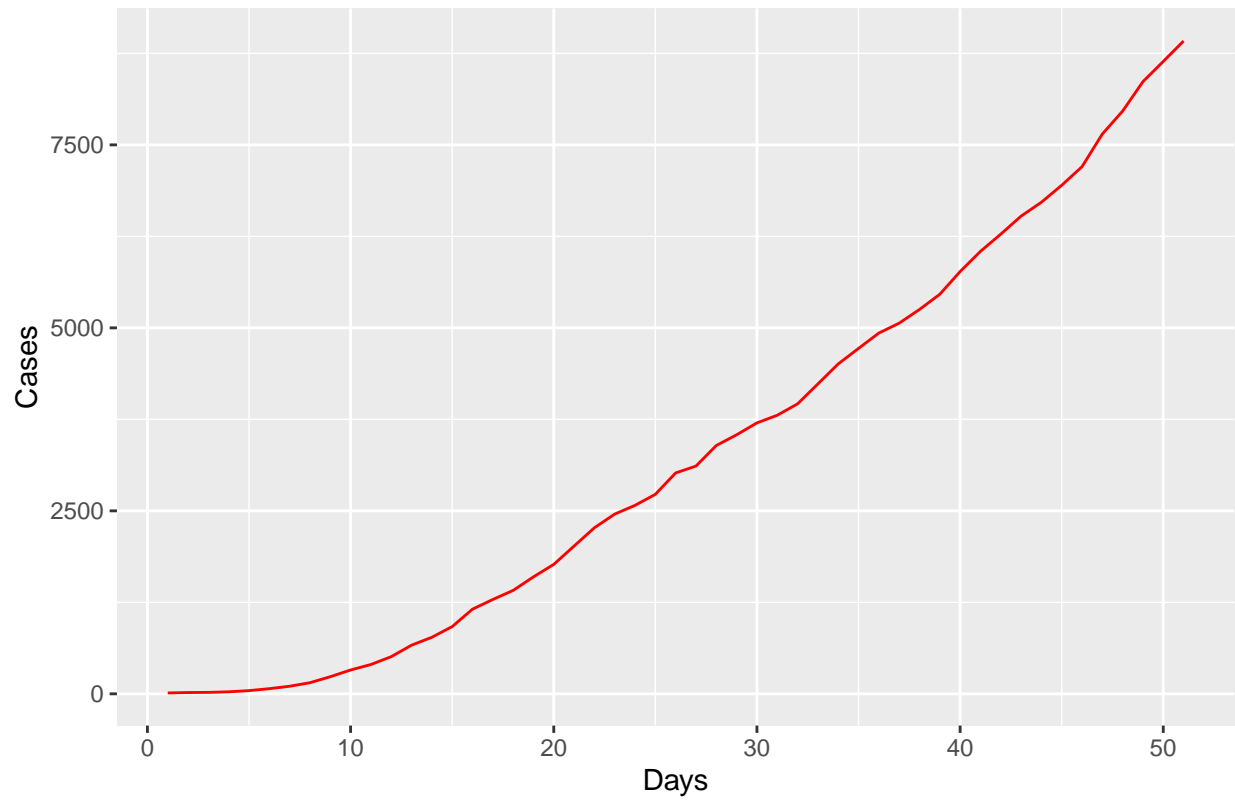
# Arizona/US/India Corona Trends- 4th May 2020 with tomorrow's prediction

Whitchurch Muthumani

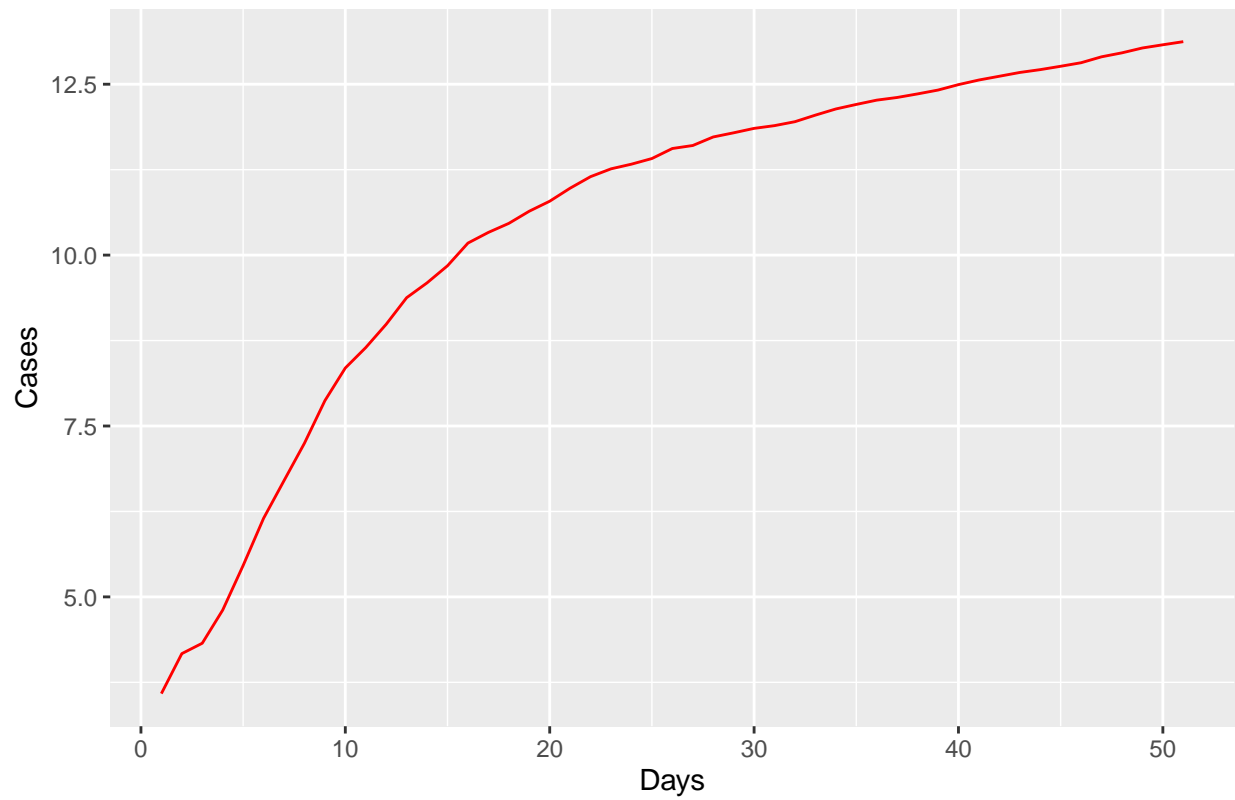
5/4/2020

## Arizona Corona Dashboard

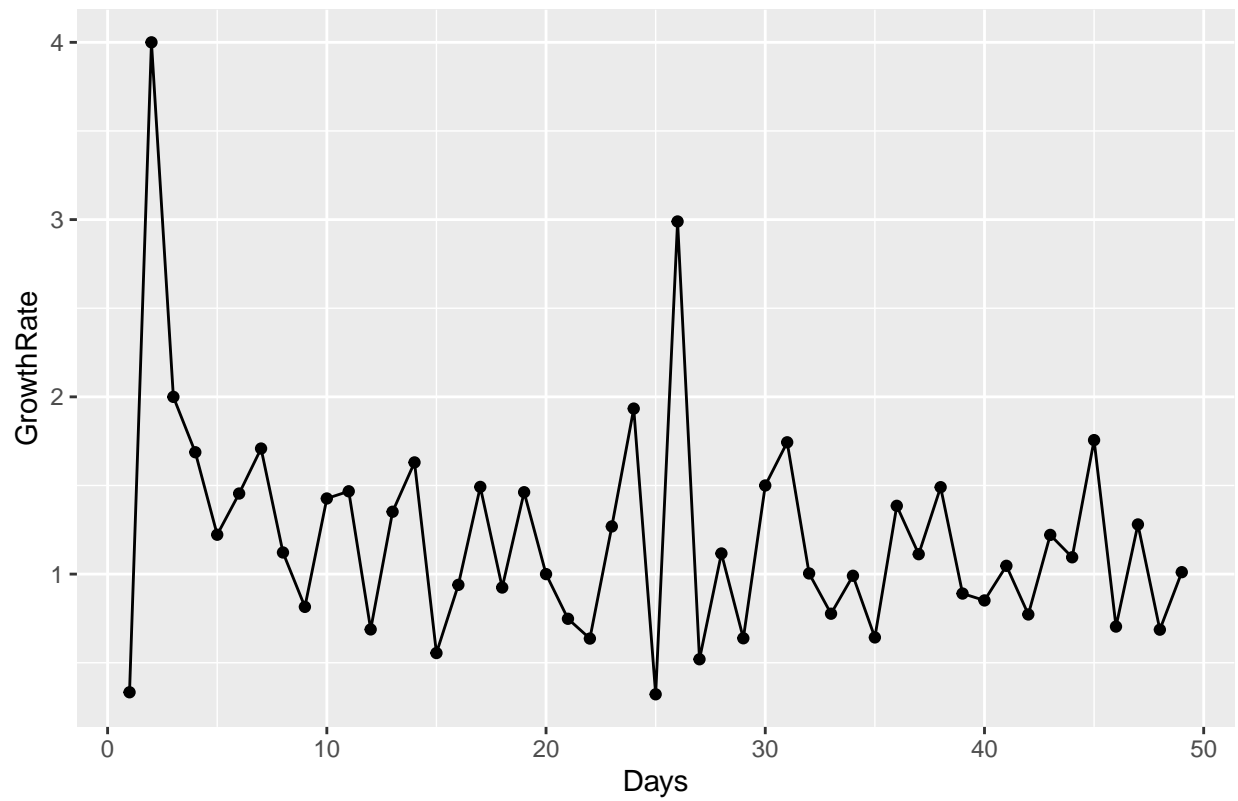
### Arizona: Daily Cases



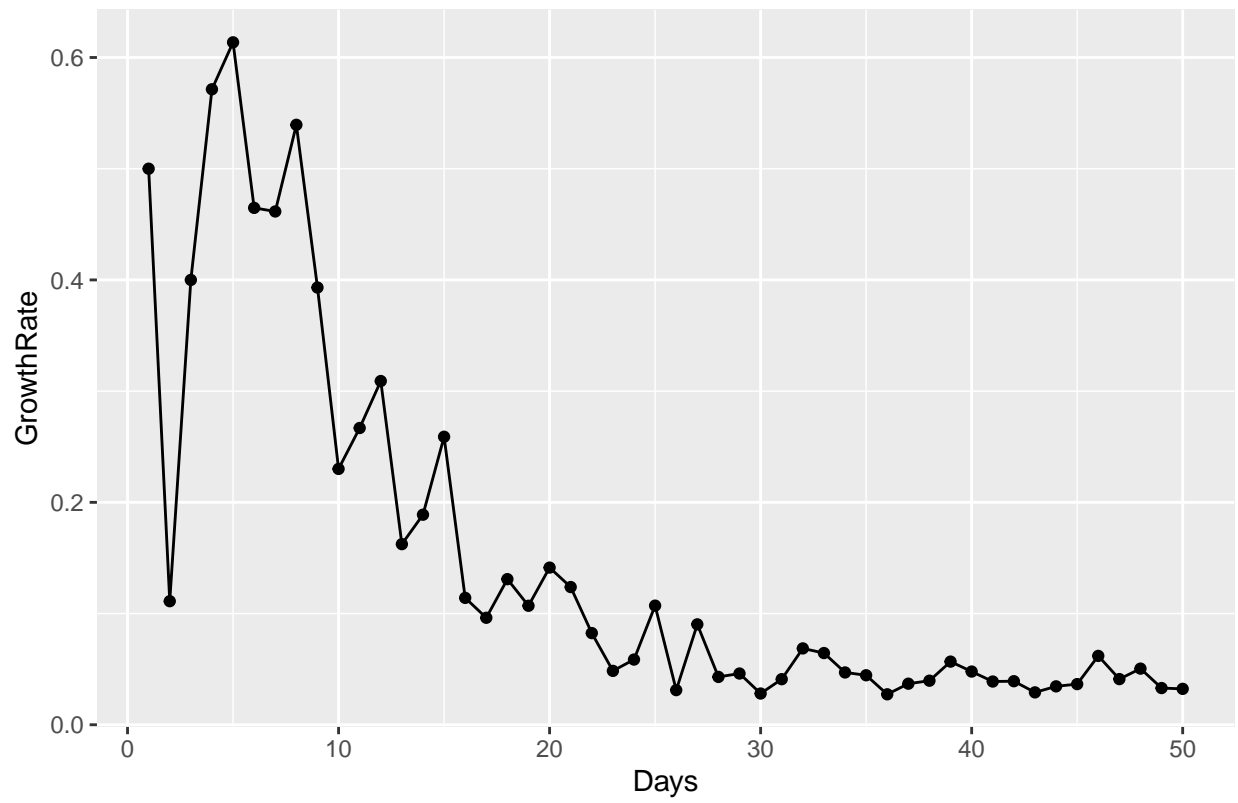
### Arizona: Daily Cases



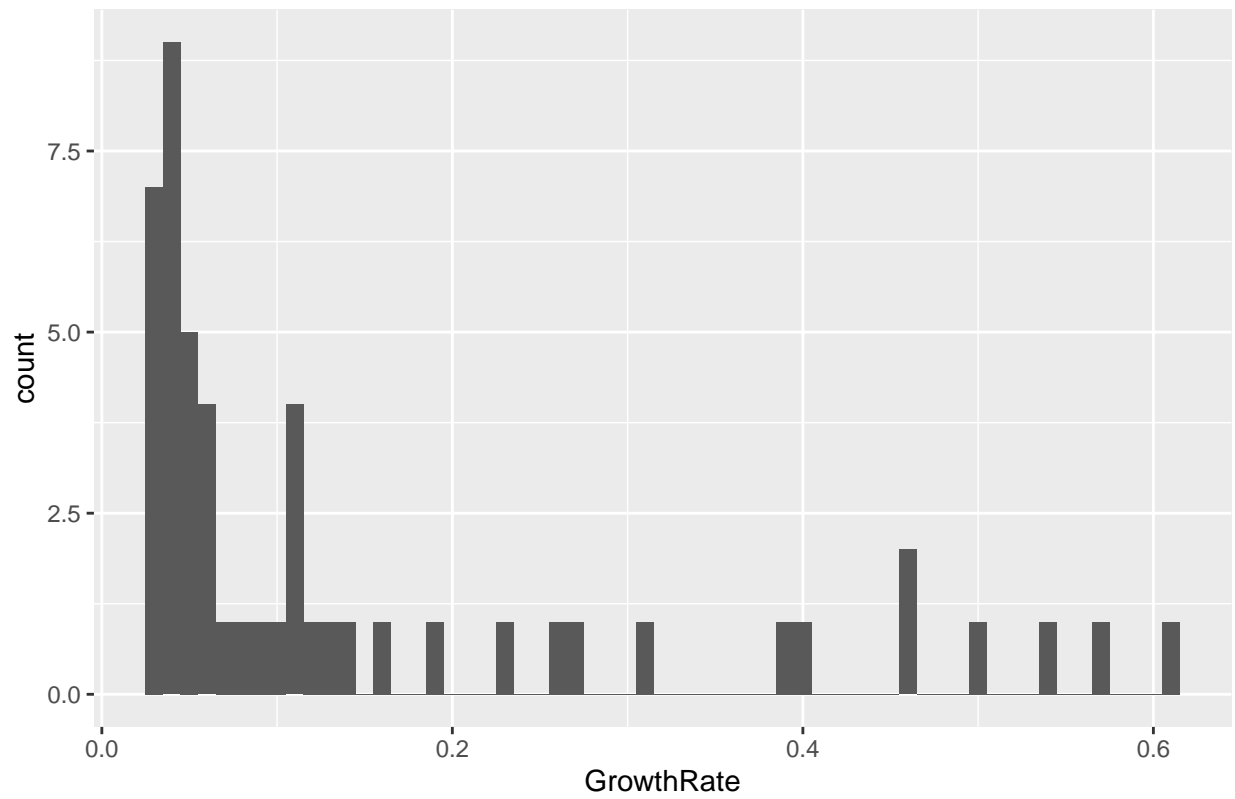
Arizona: Rate of change in Growth Rate

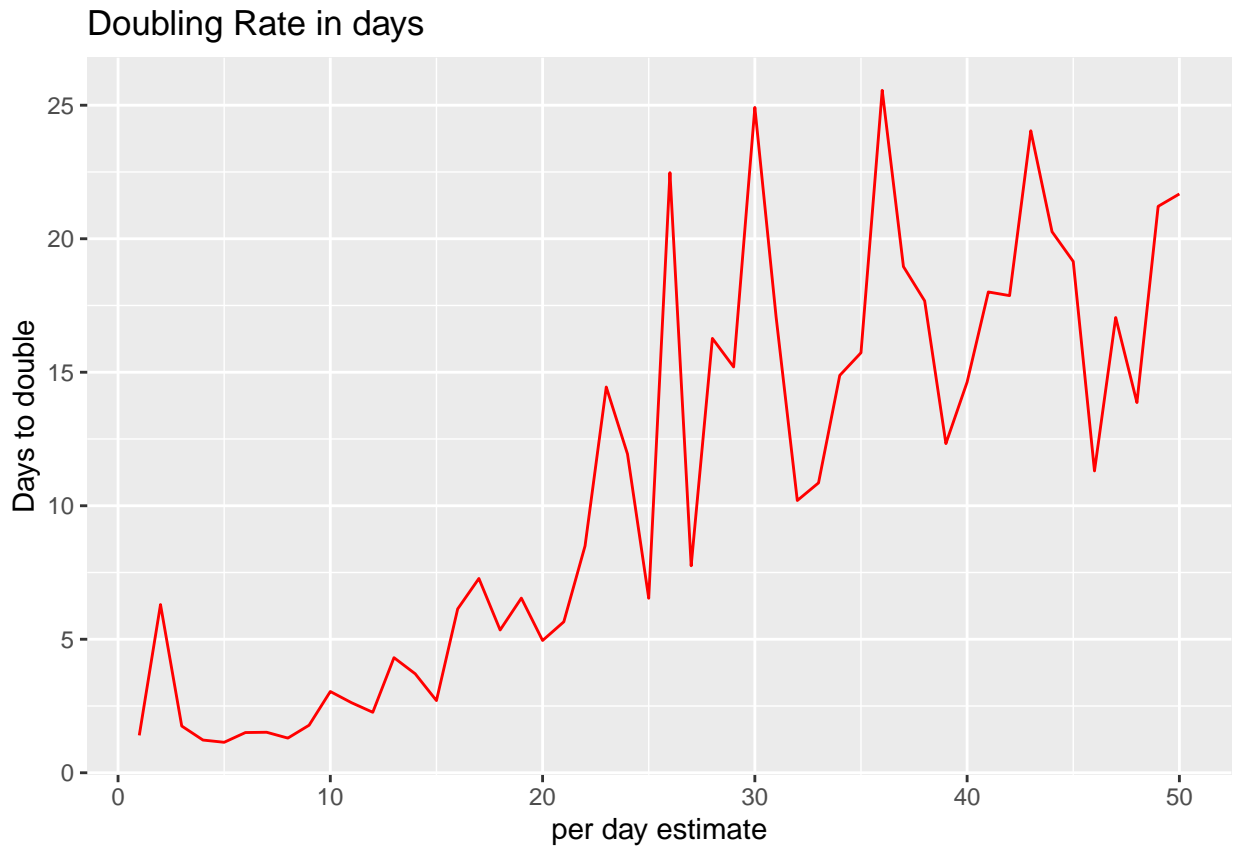


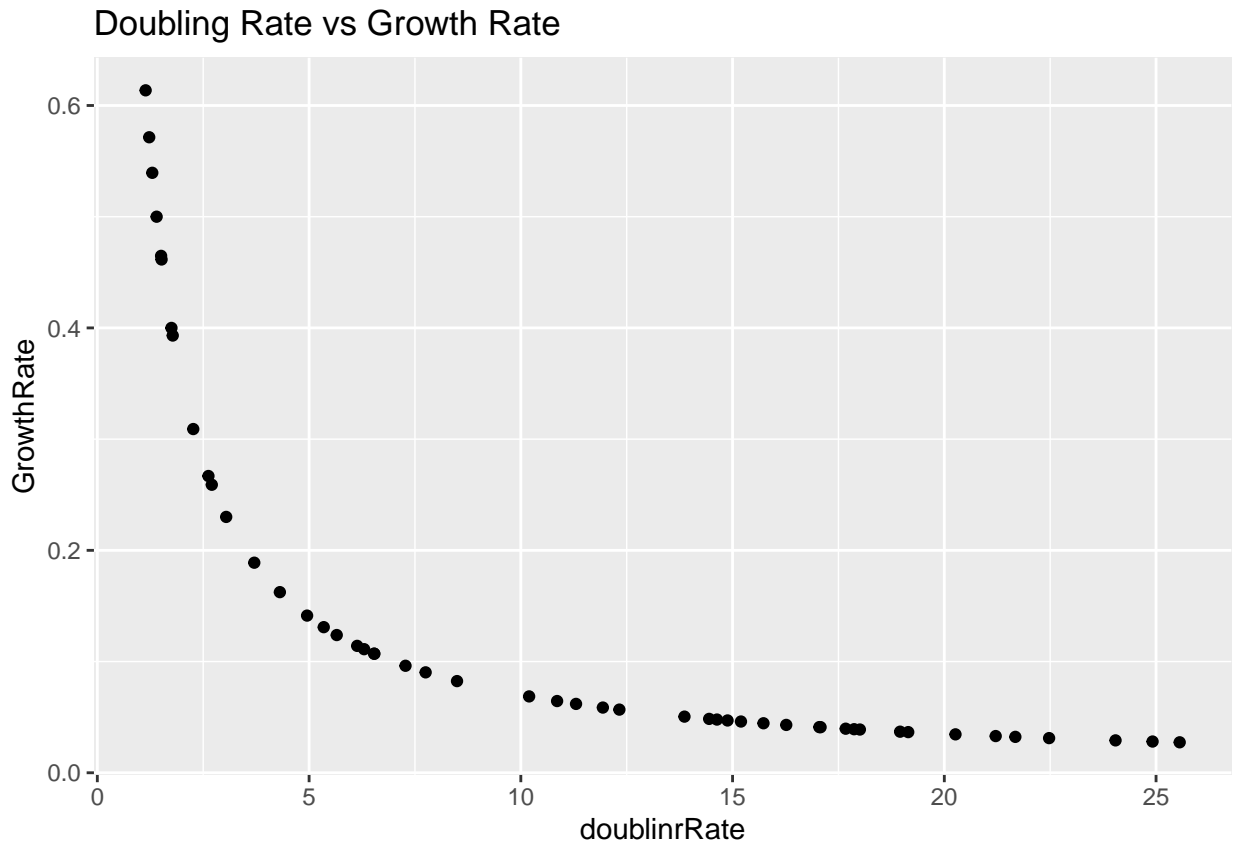
Arizona: Growth Rate

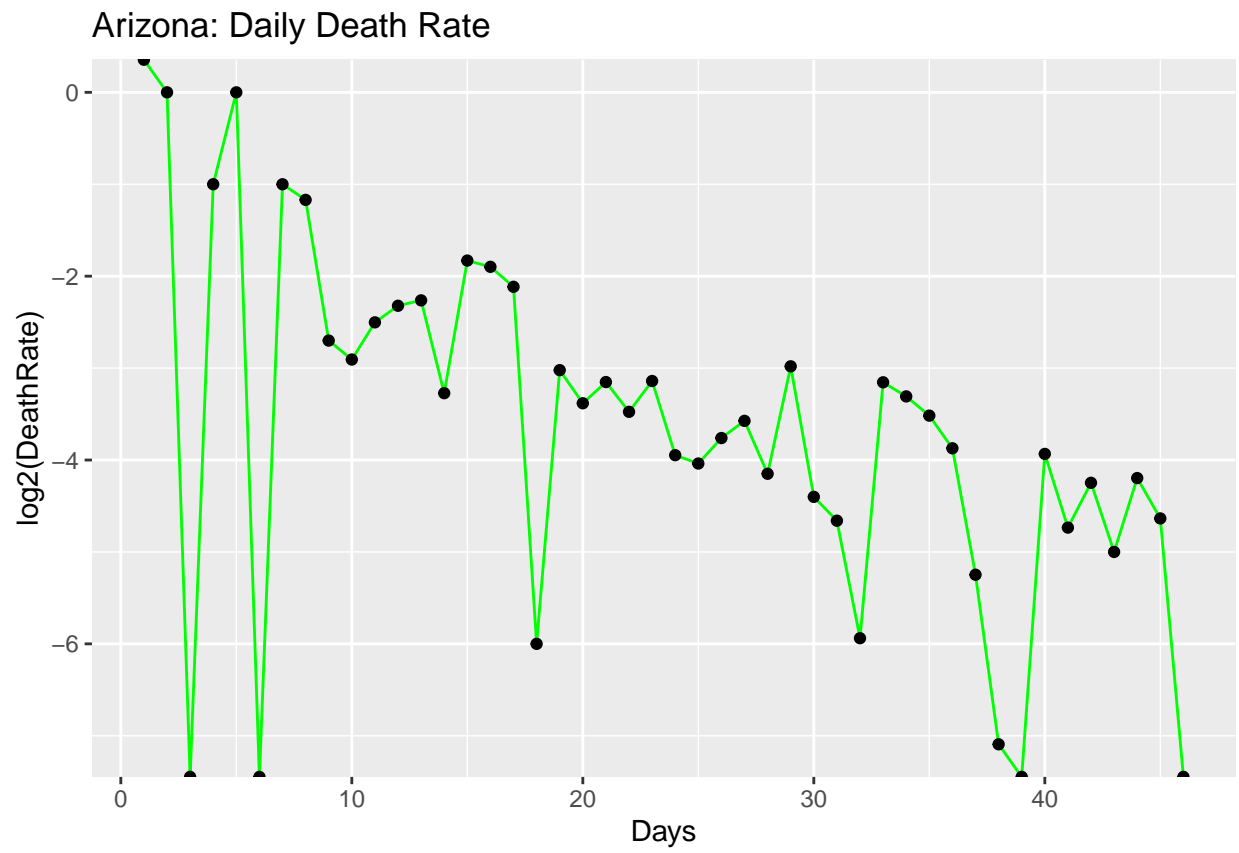


Histogram of GrowthRate

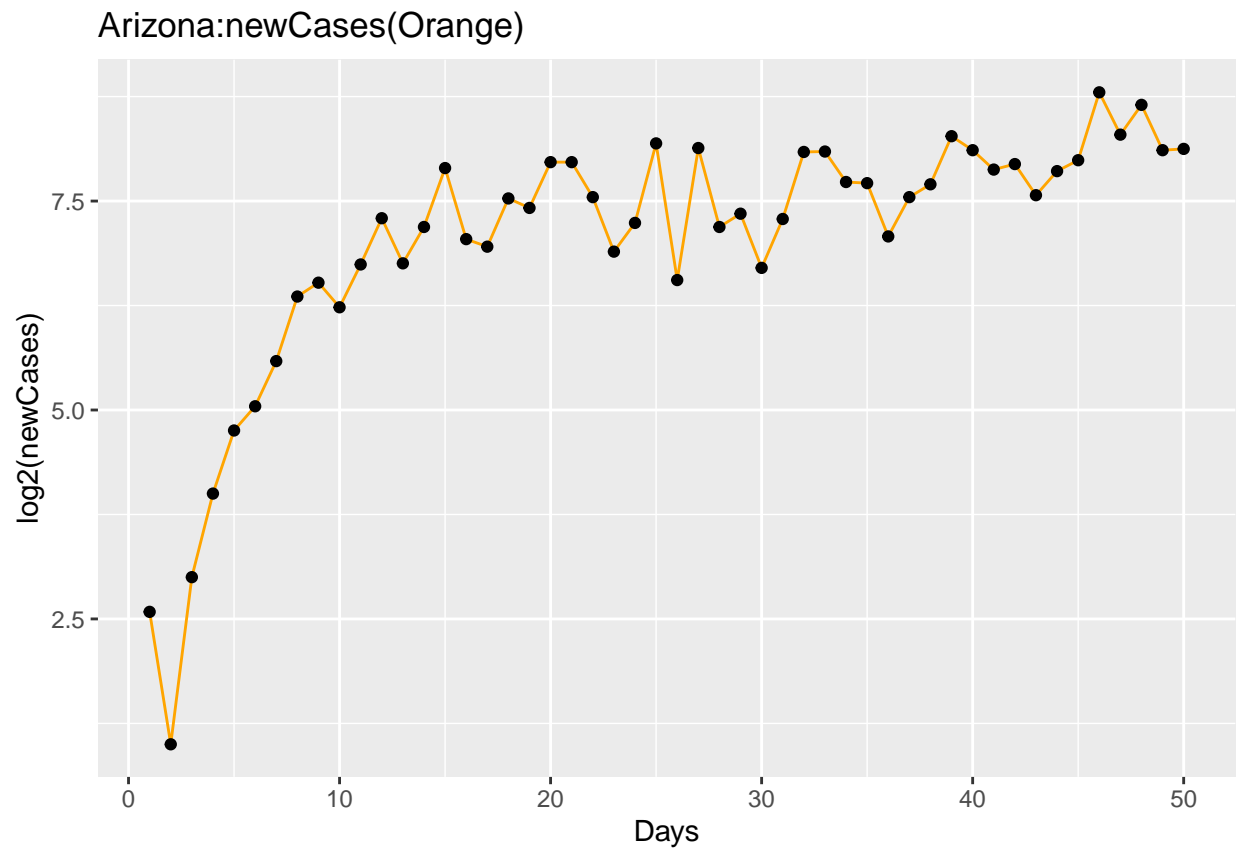




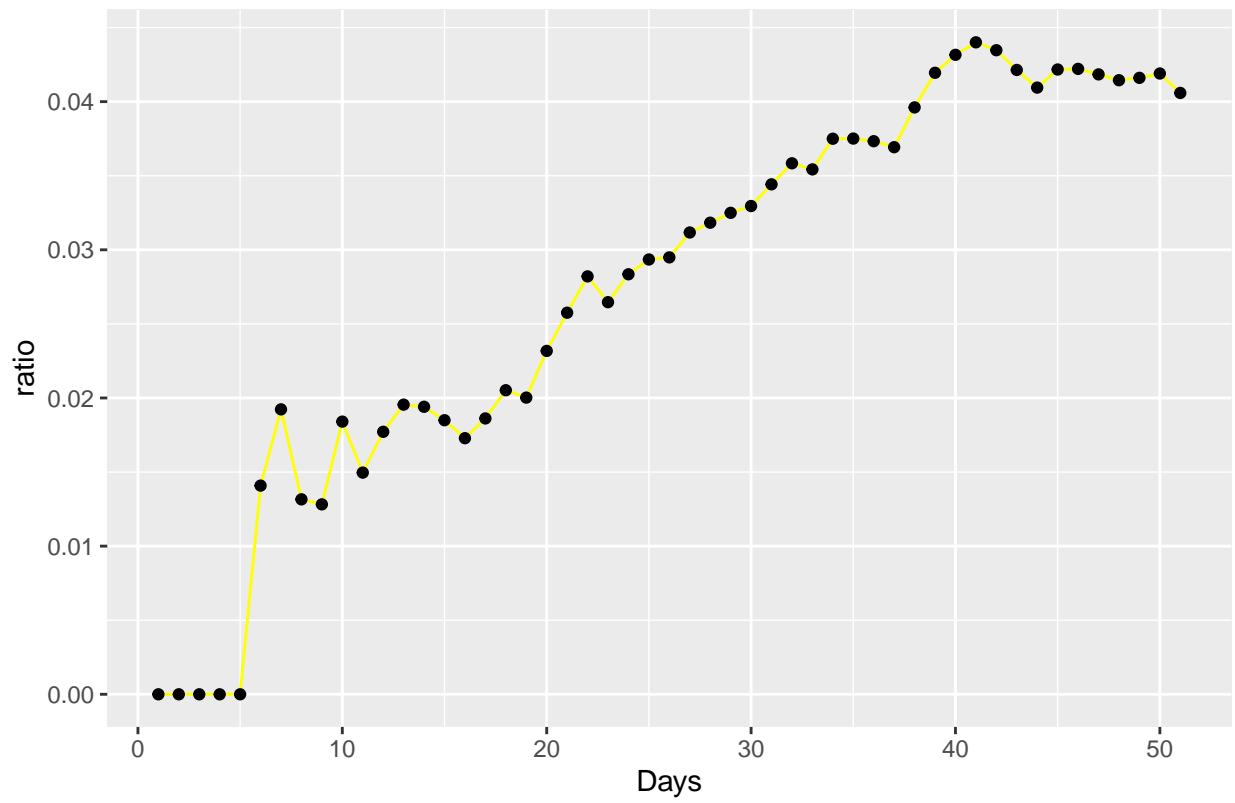


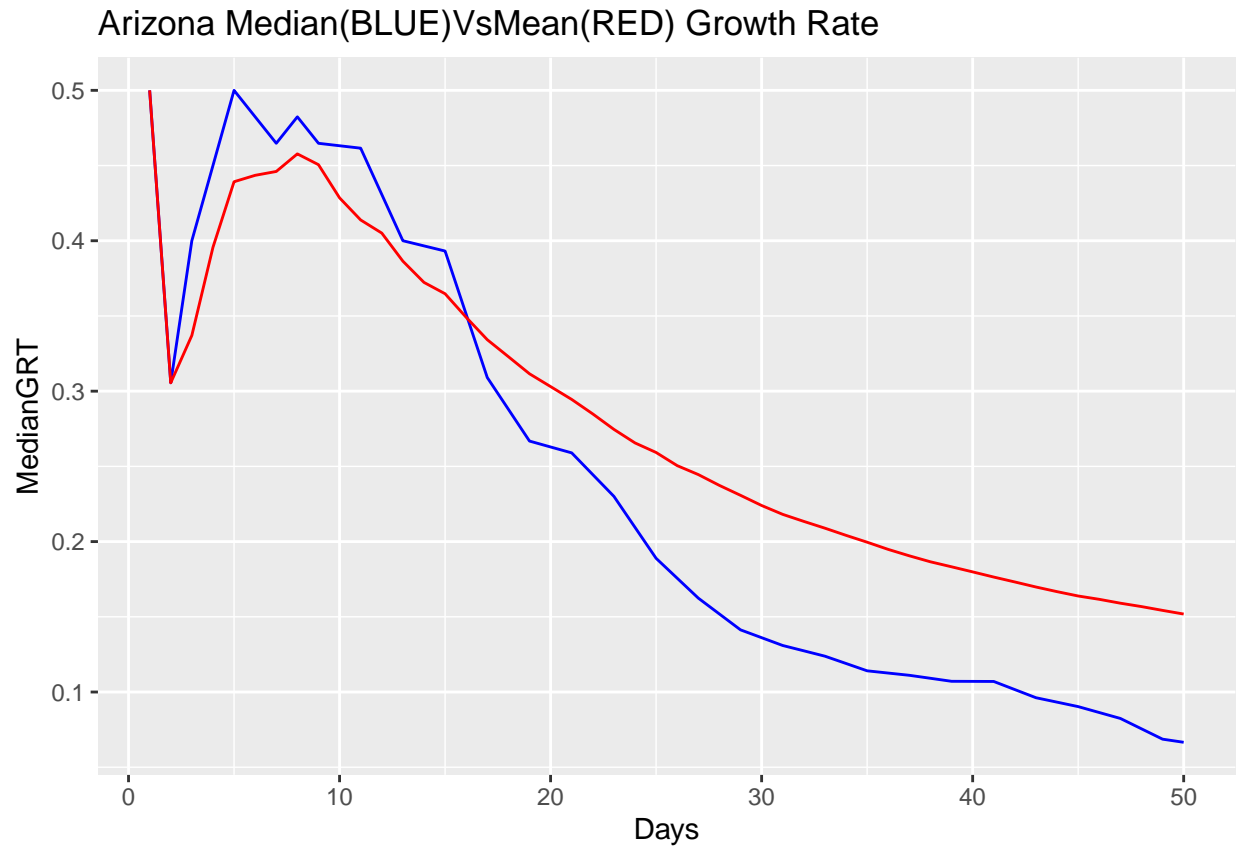






Arizona: TotalDeaths/TotalCases

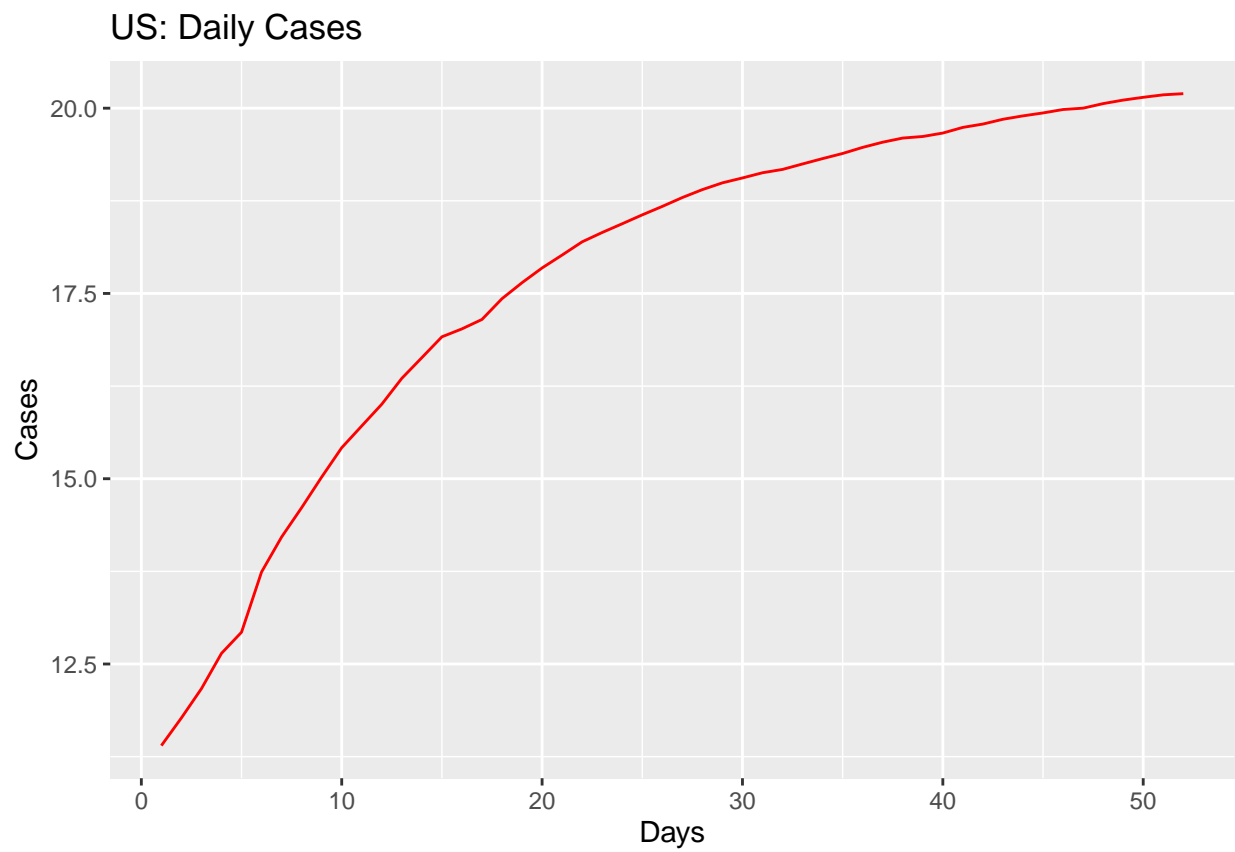
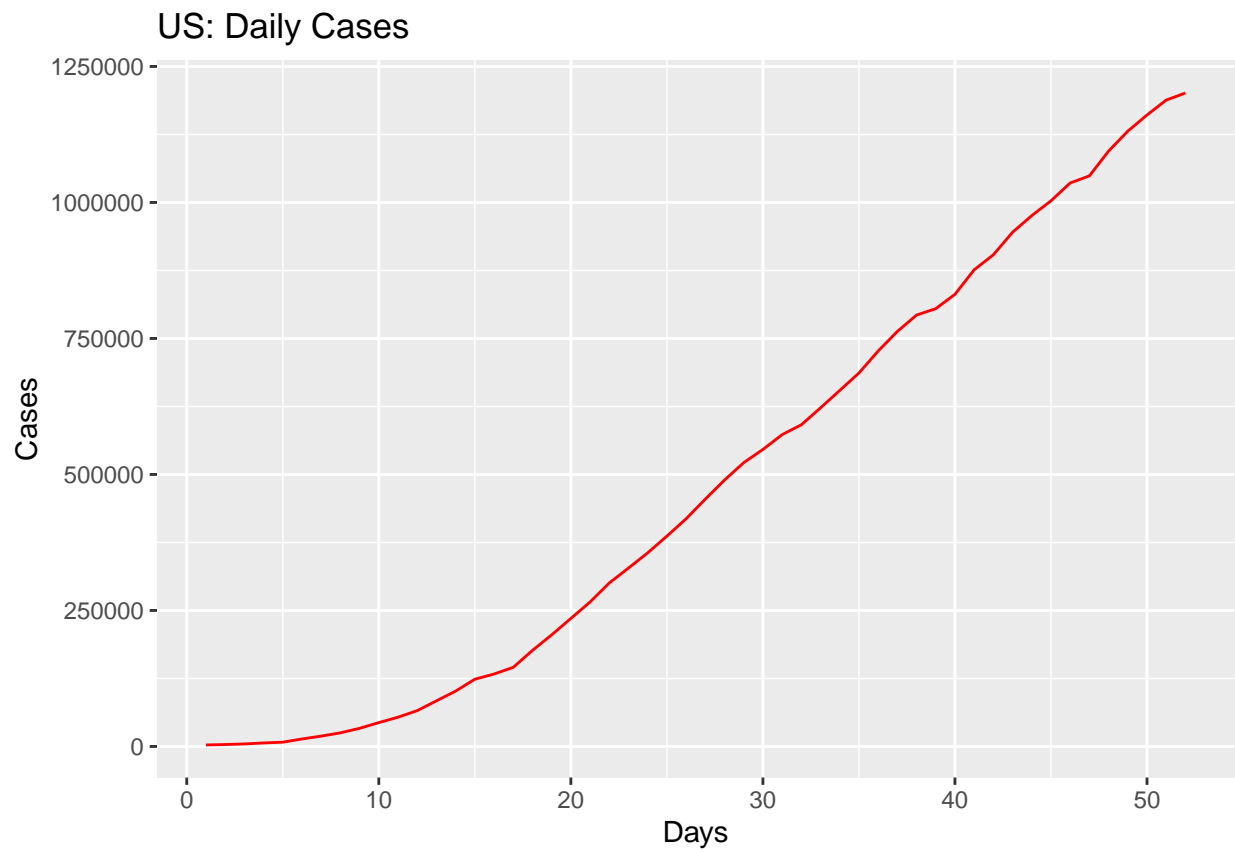




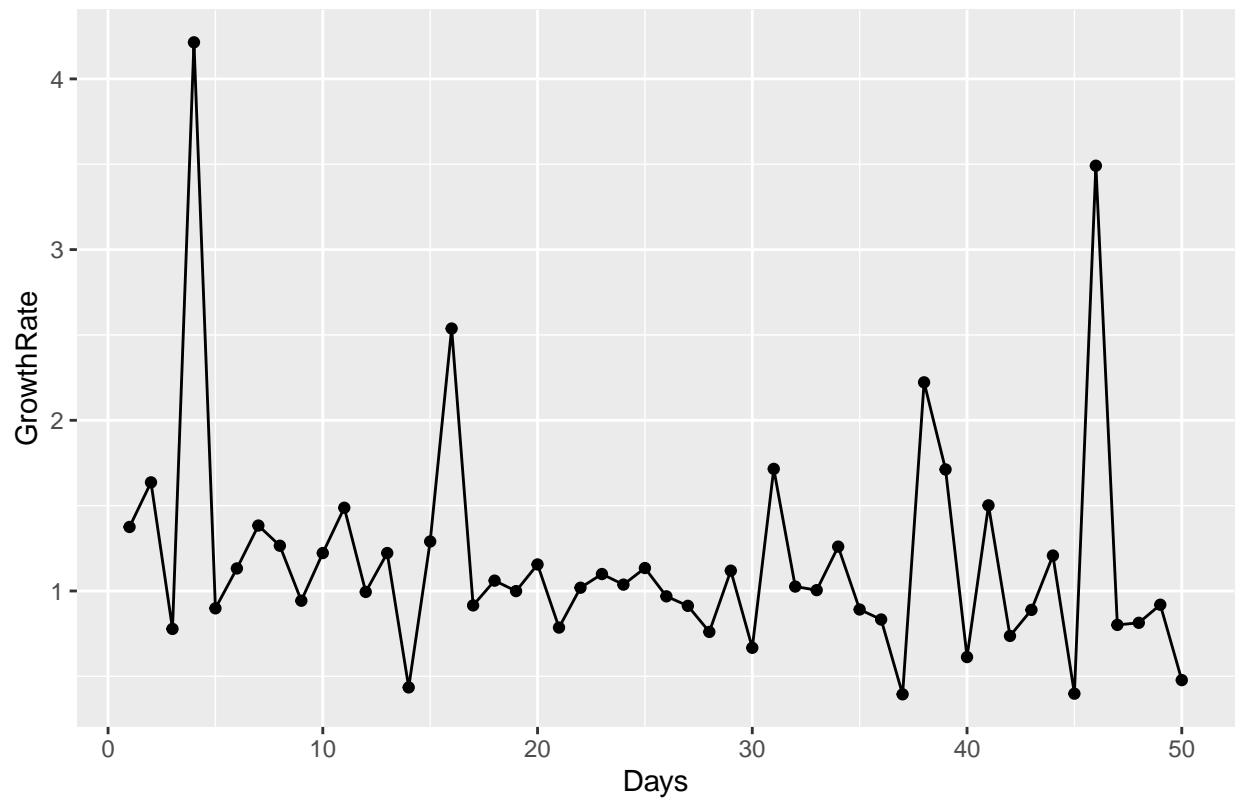
#### Results:

- Tomorrow's predicted case number is between **9207.009375** and  $1.0273119 \times 10^4$  cases.
- Current doubling rate is **22 days**
- Mean doubling rate, i.e number of cases doubles every **5 days**.
- Median doubling rate, i.e number of cases doubles every **11 days**.
- Latest Observed Growth Rate **3.2291667** percent.
- Mean Growth Rate: **15.1824086** percent.
- Median Growth Rate: **6.6565115** percent.
- Standard deviation: +/- **16.6658934**.

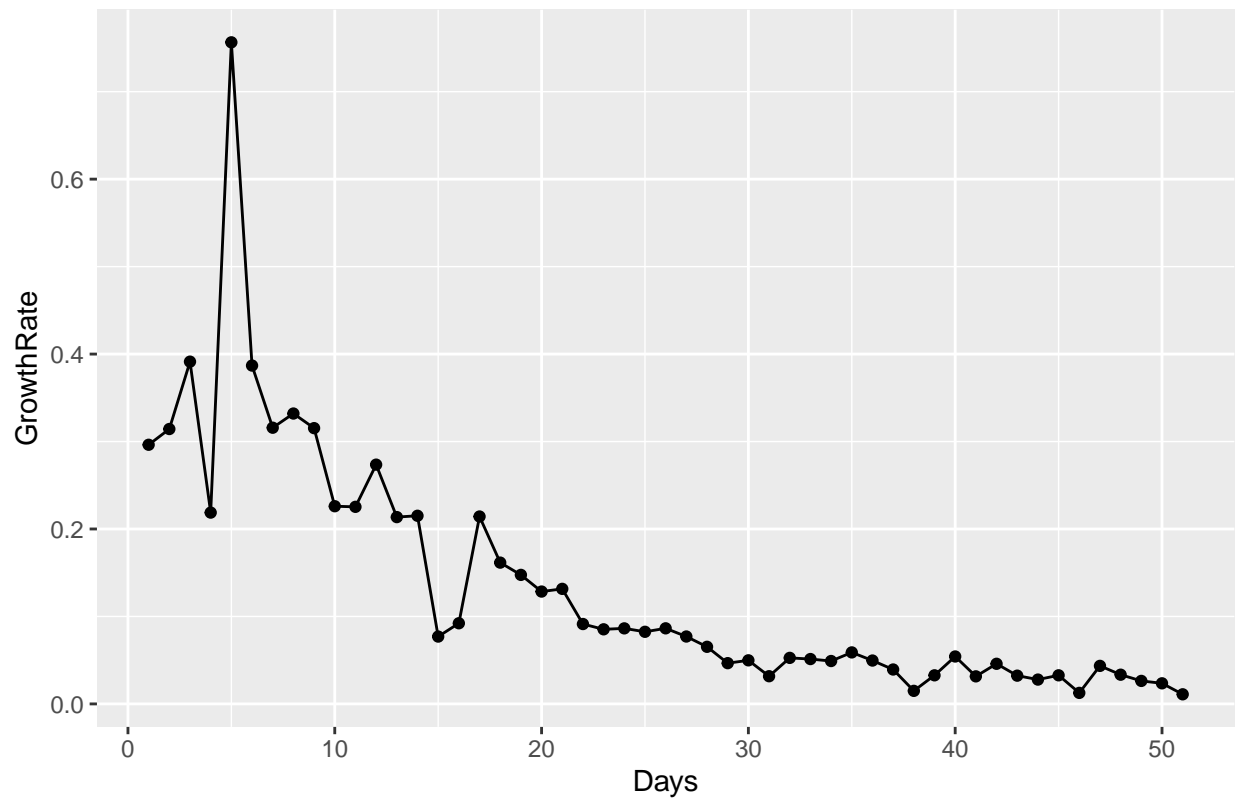
## US Corona Dashboard

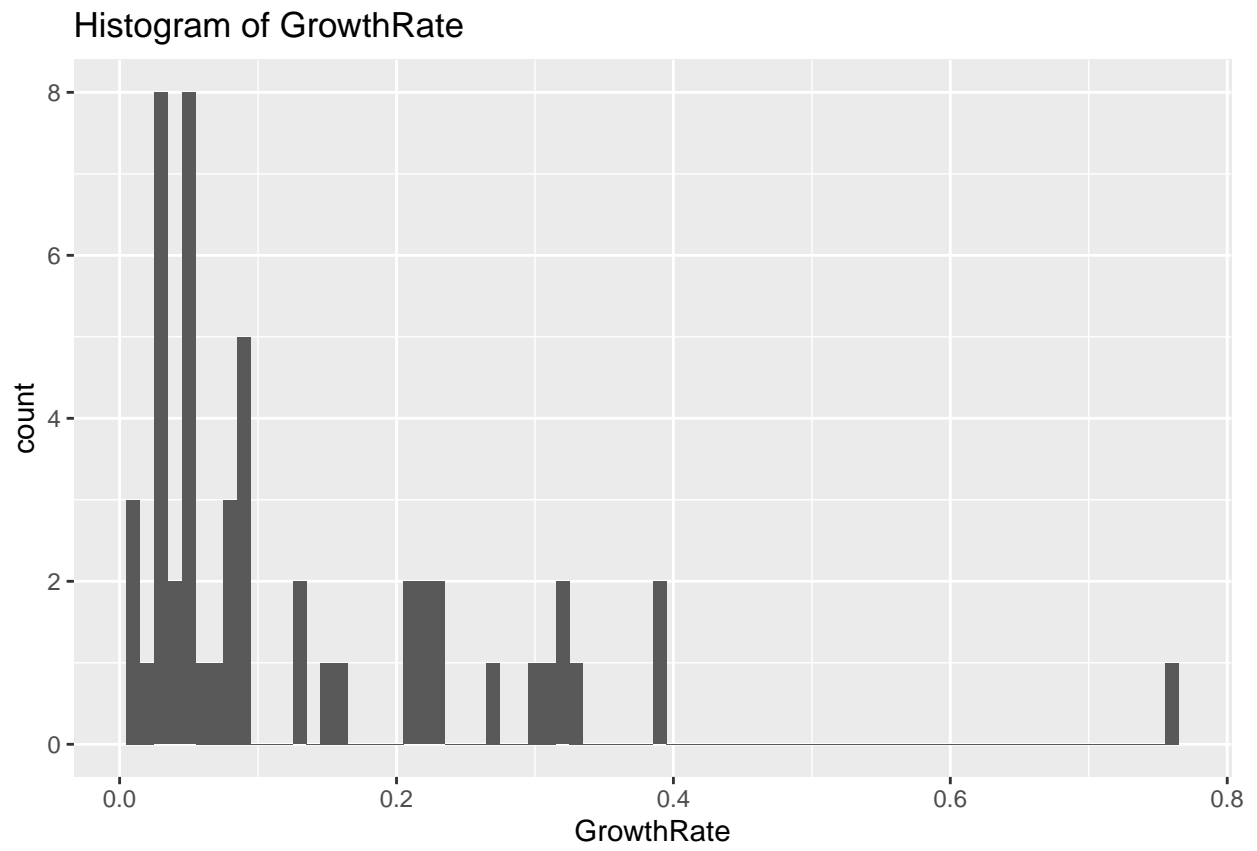


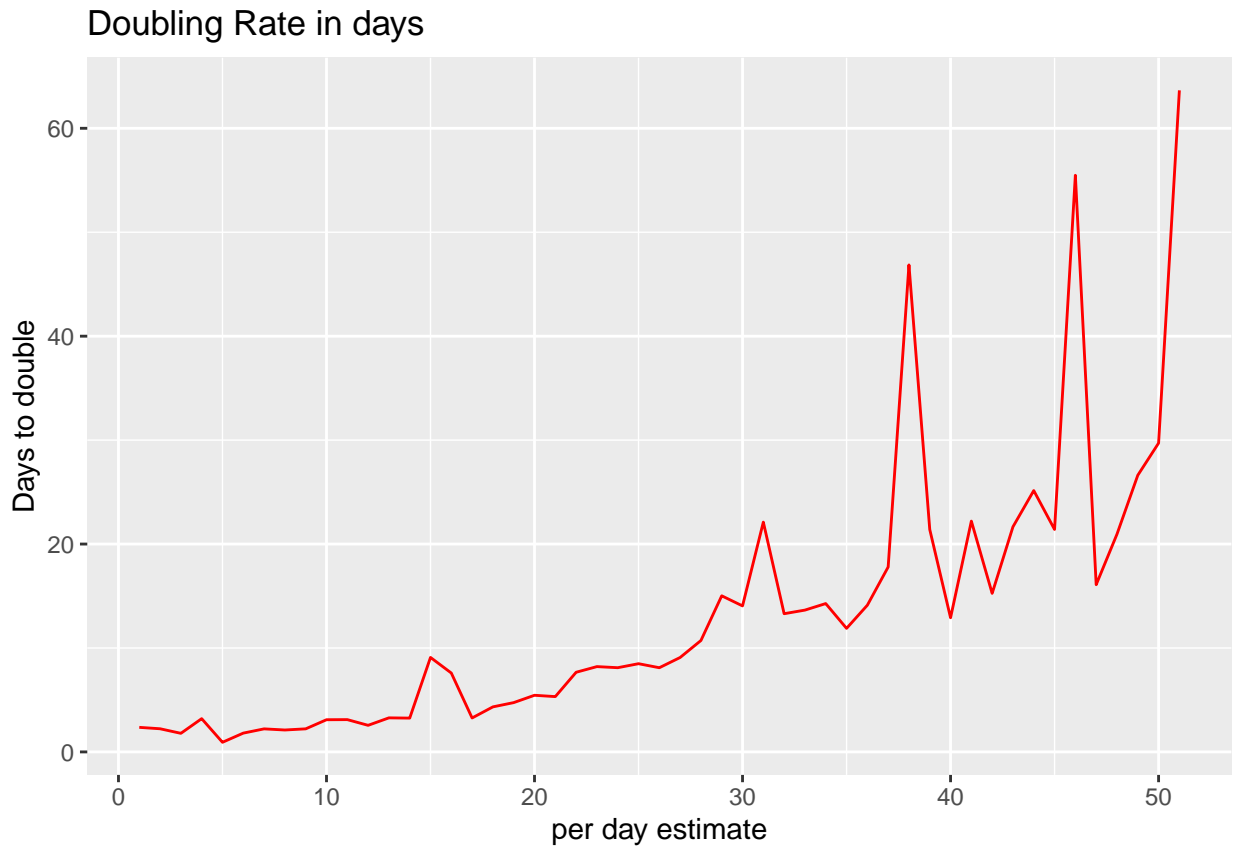
US: Rate of change in Growth Rate



US: Growth Rate

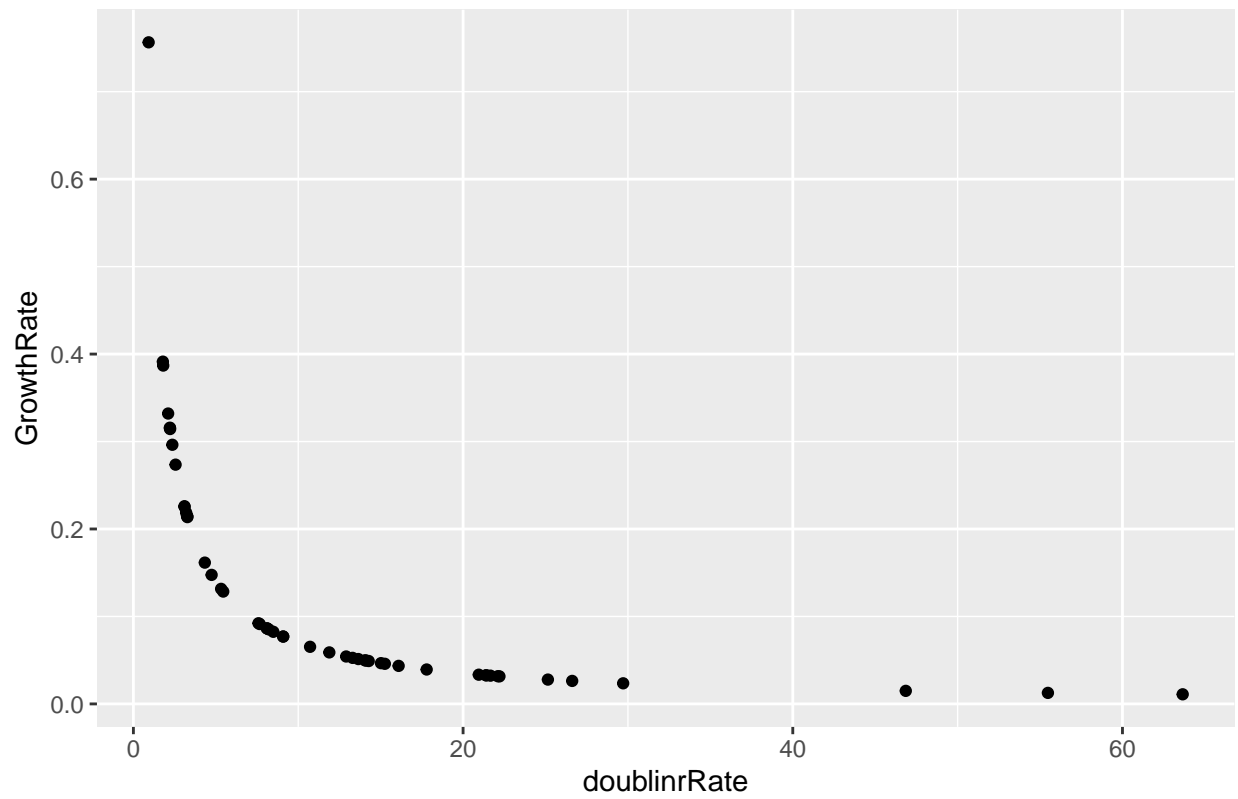


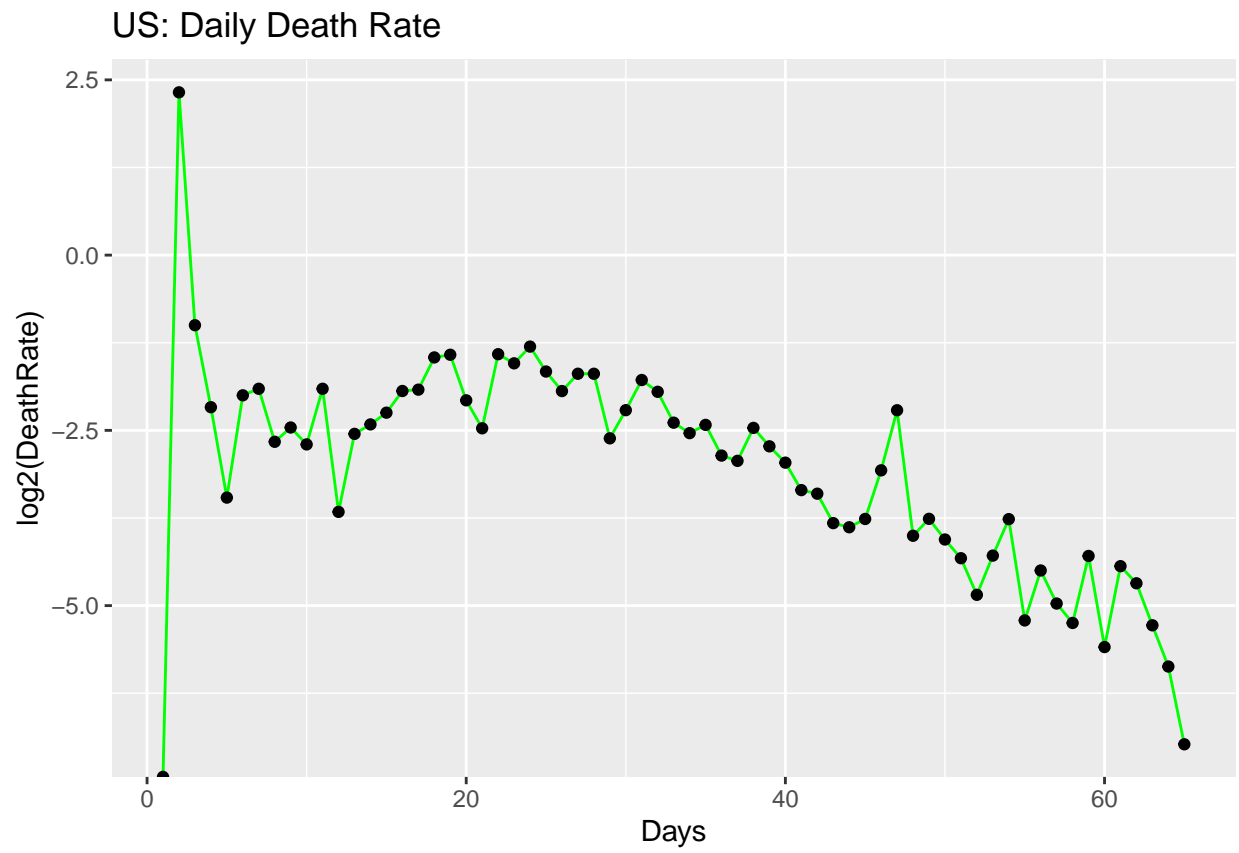


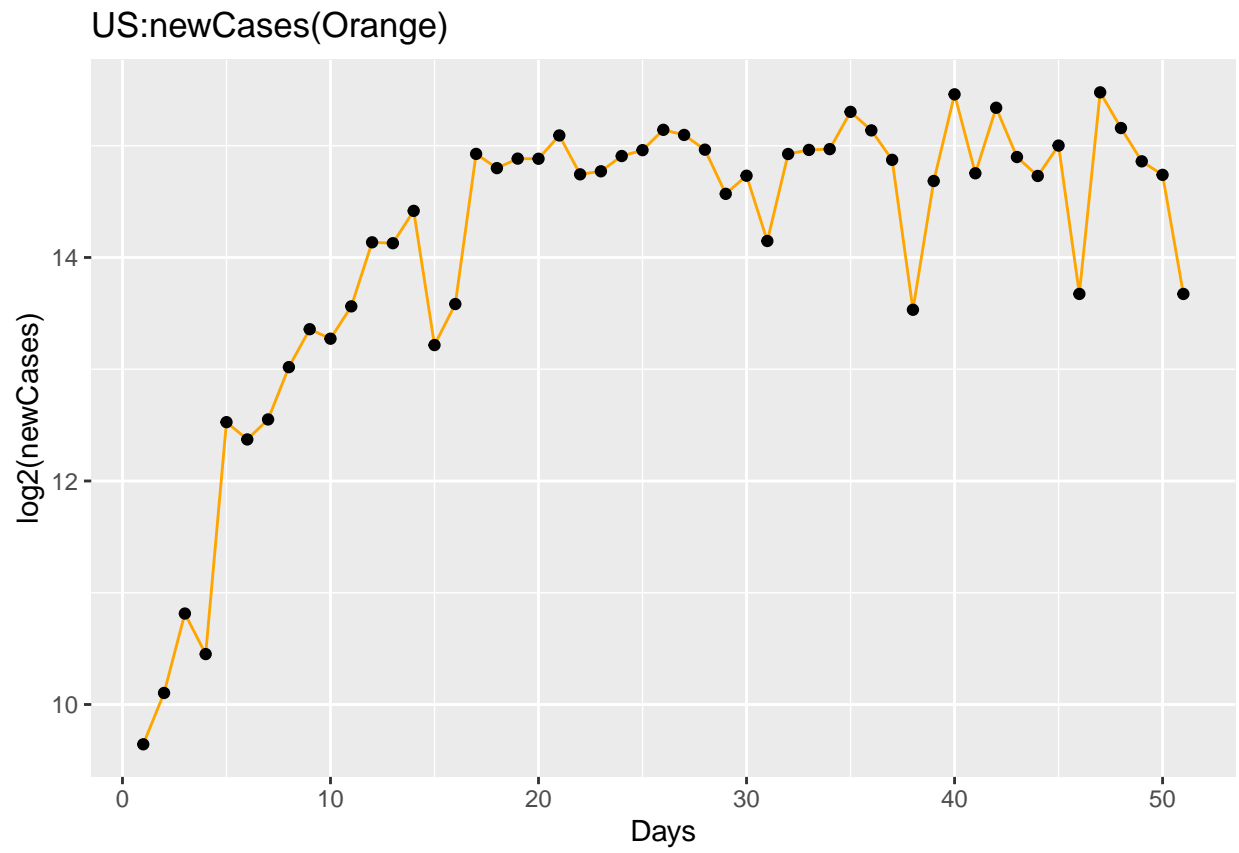


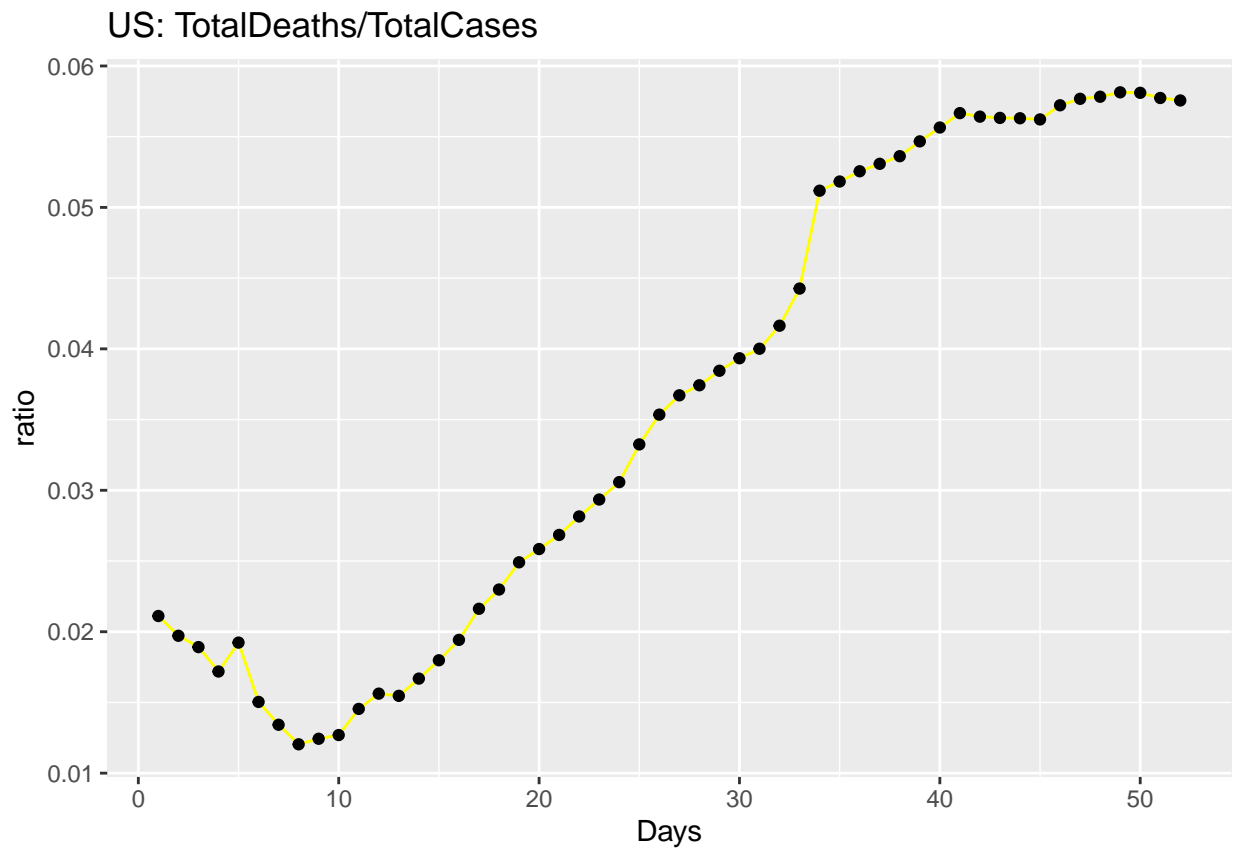


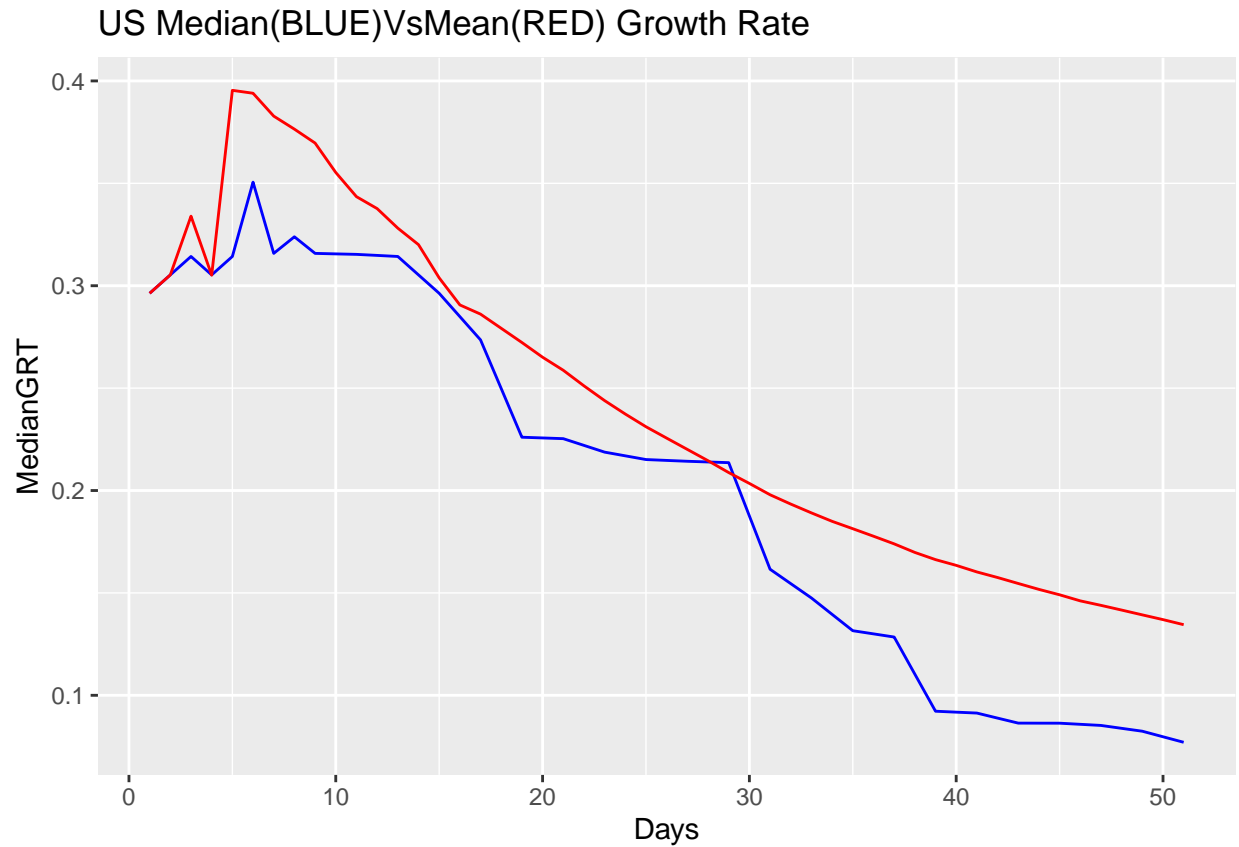
Doubling Rate vs Growth Rate









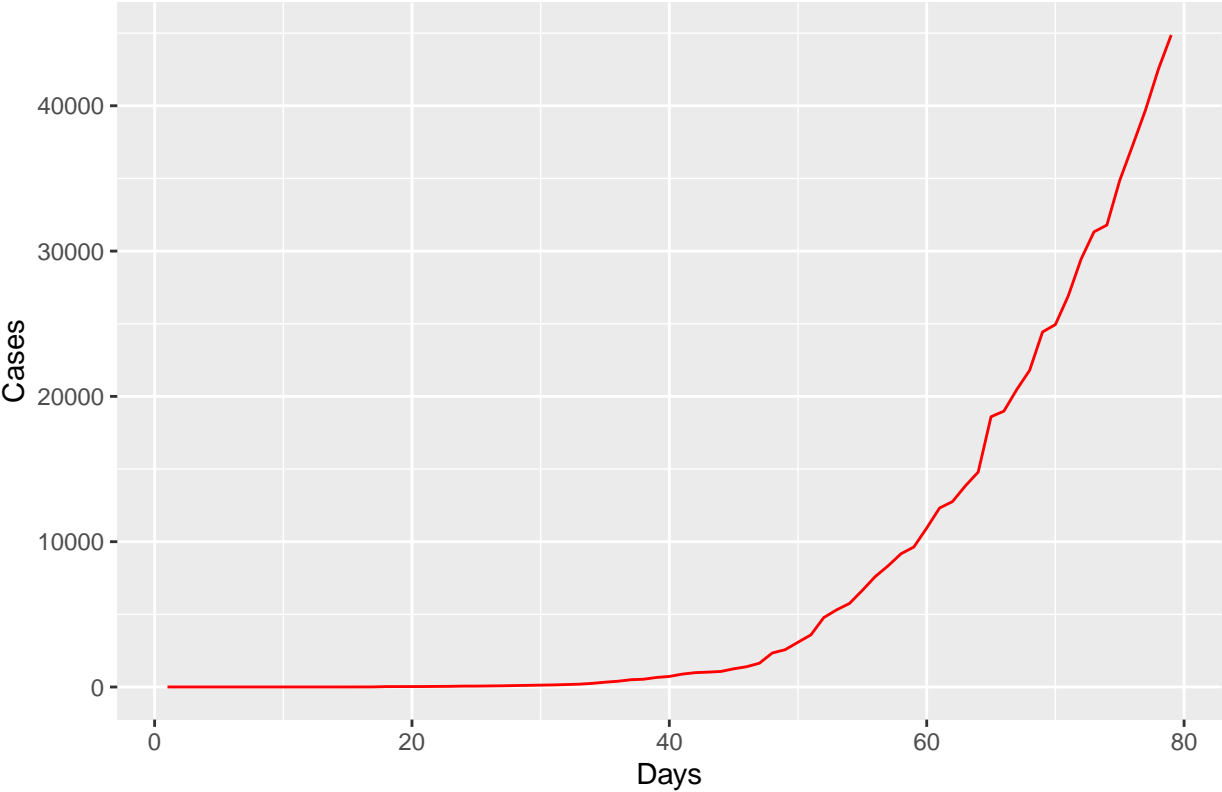


#### Results:

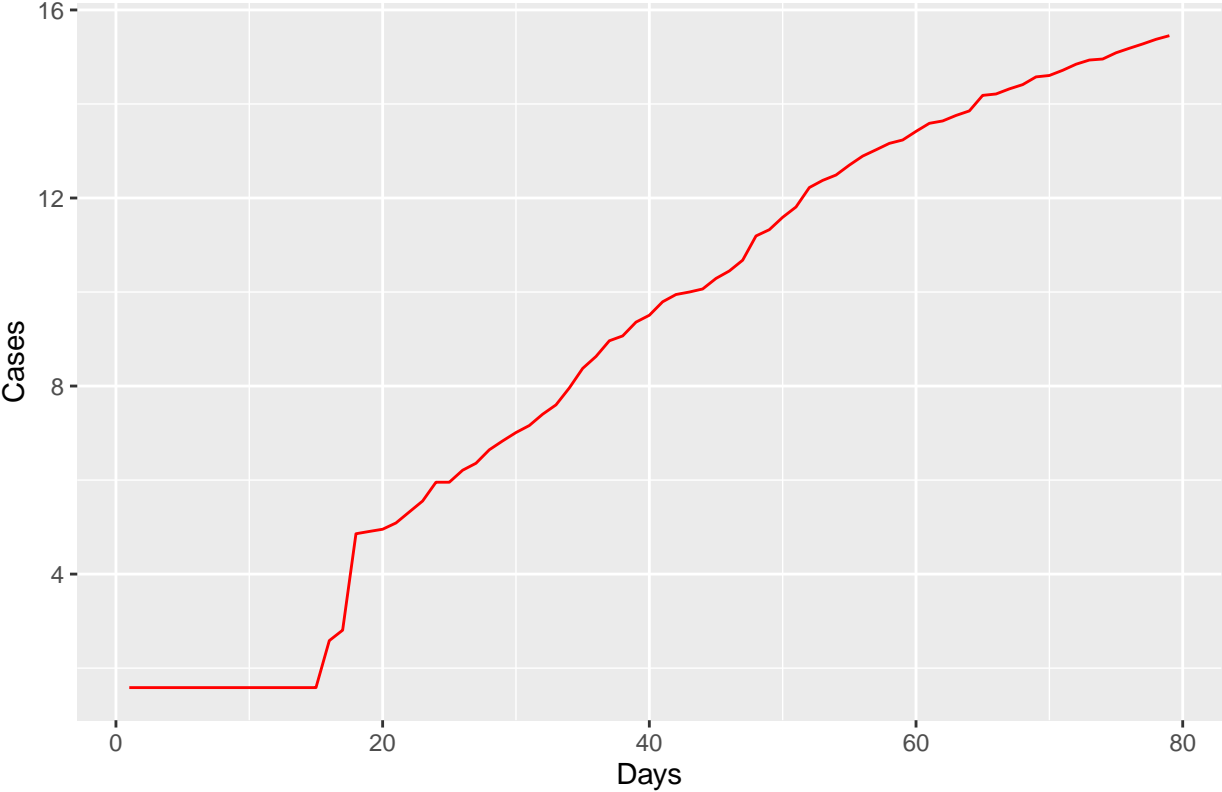
- Tomorrow's predicted case number is between  $1.2143977 \times 10^6$  and  $1.3627346 \times 10^6$  cases.
- Current doubling rate is **64 days**
- Mean doubling rate, i.e number of cases doubles every **5 days**.
- Median doubling rate, i.e number of cases doubles every **9 days**.
- Latest Observed Growth Rate **1.0997187** percent.
- Mean Growth Rate: **13.4489005** percent.
- Median Growth Rate: **7.705641** percent.
- Standard deviation: **+/- 14.0722281**.

India Corona Dashboard

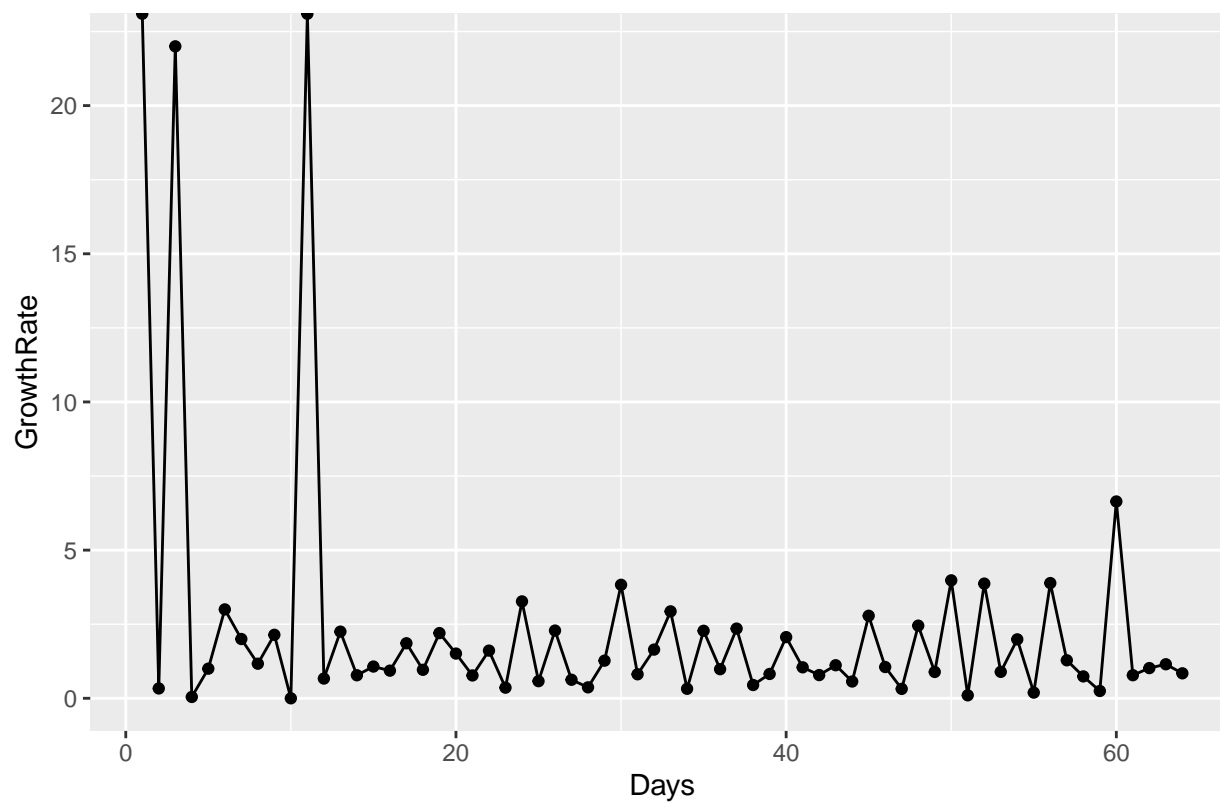
India: Daily Cases

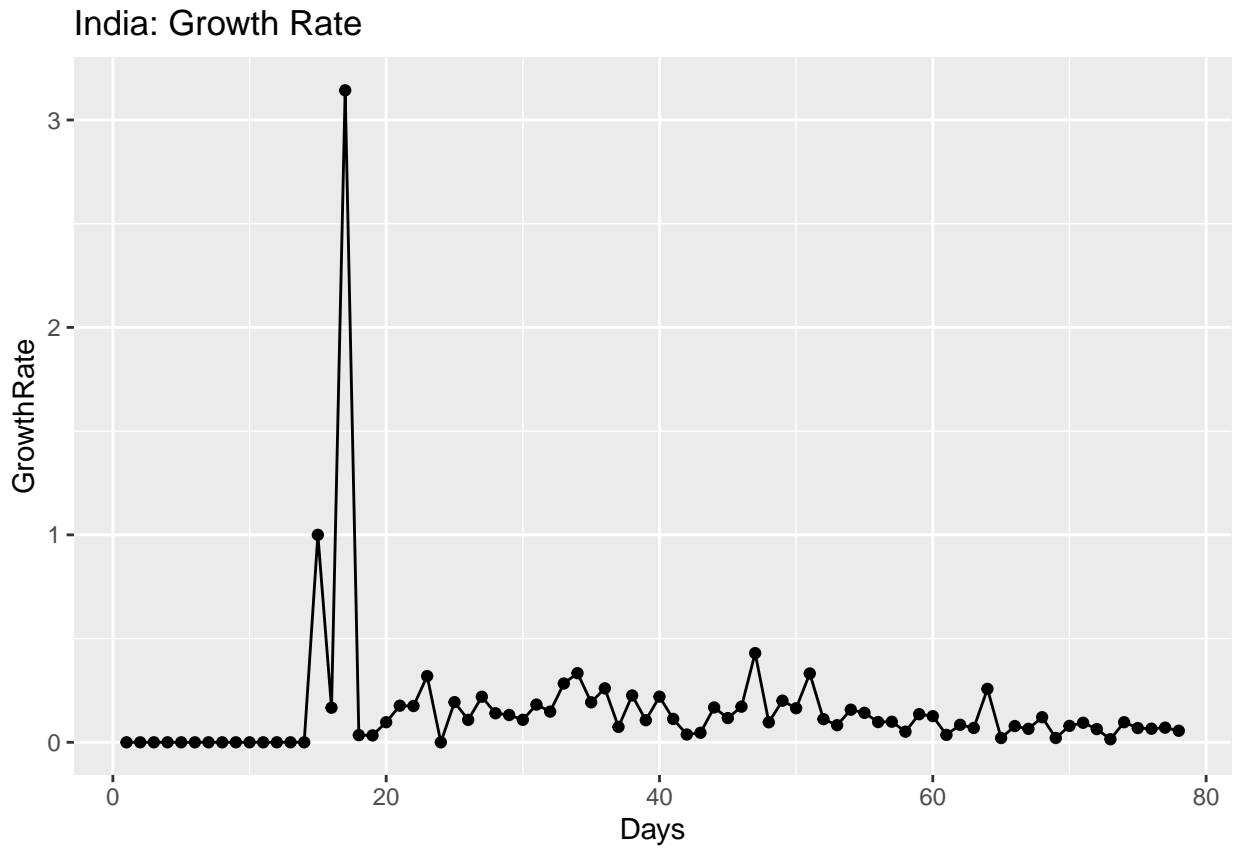


India: Daily Cases

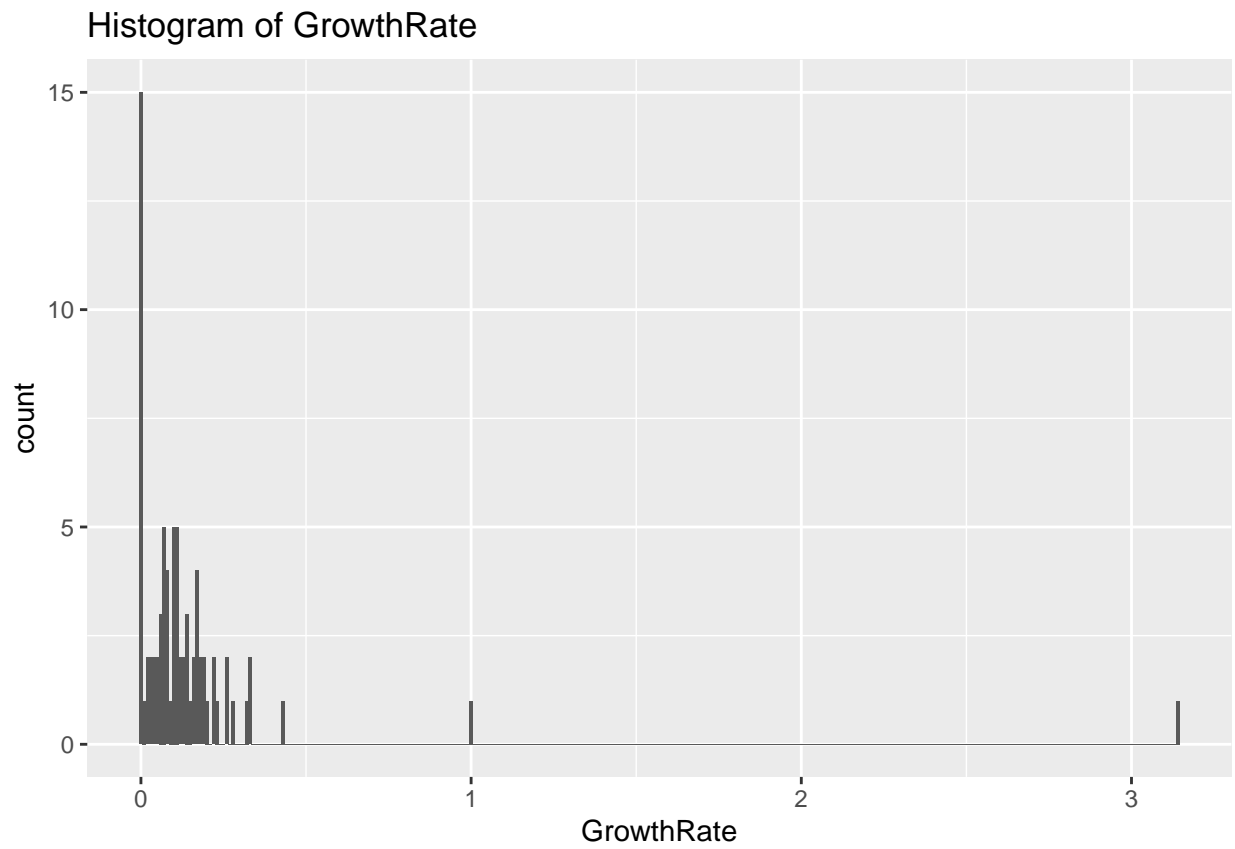


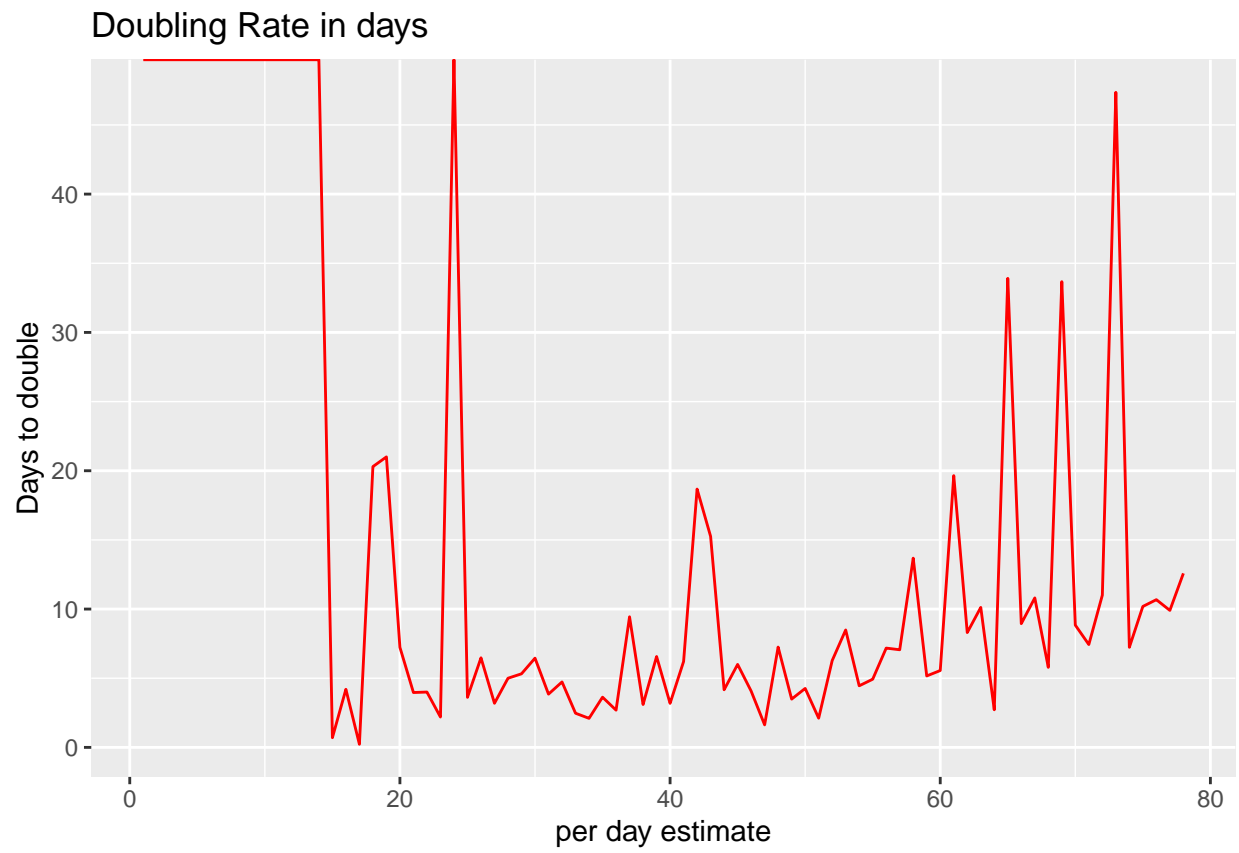
US: Rate of change in Growth Rate

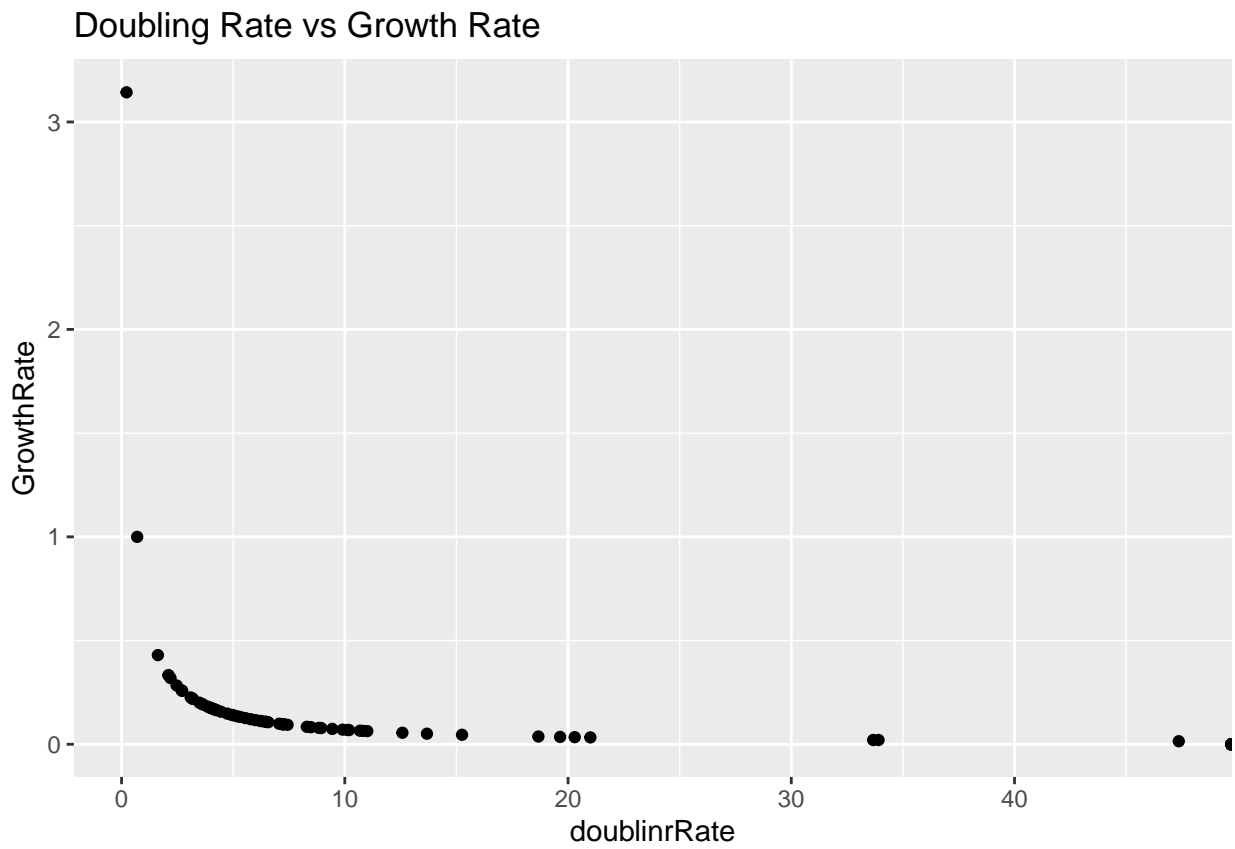


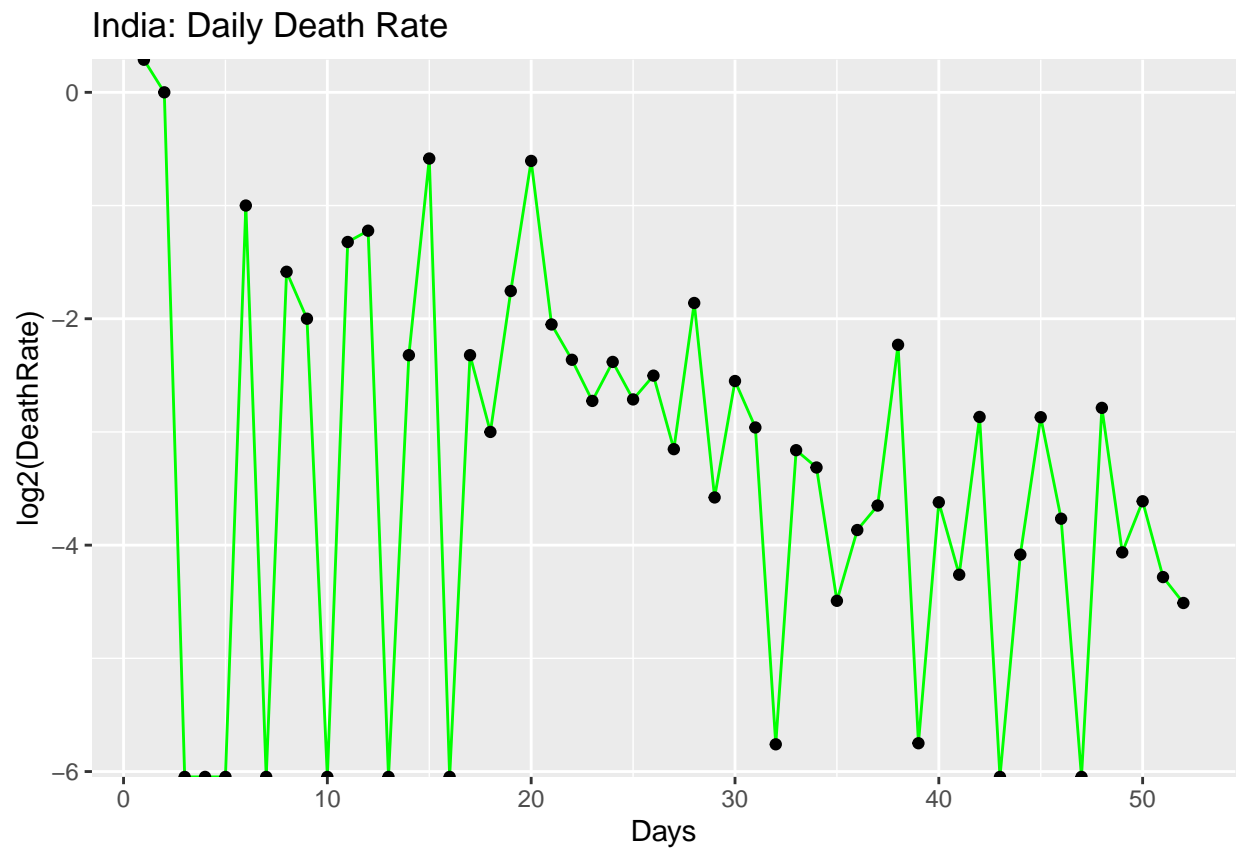


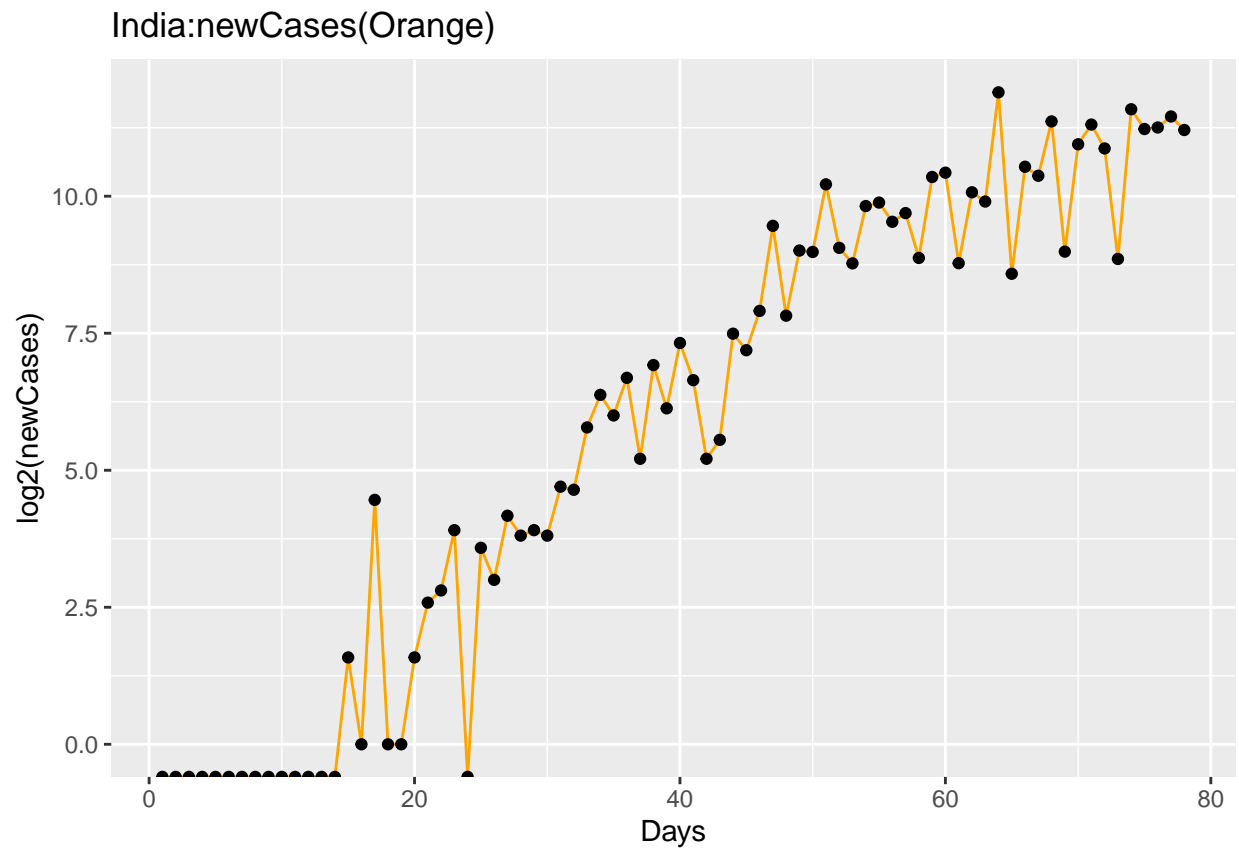




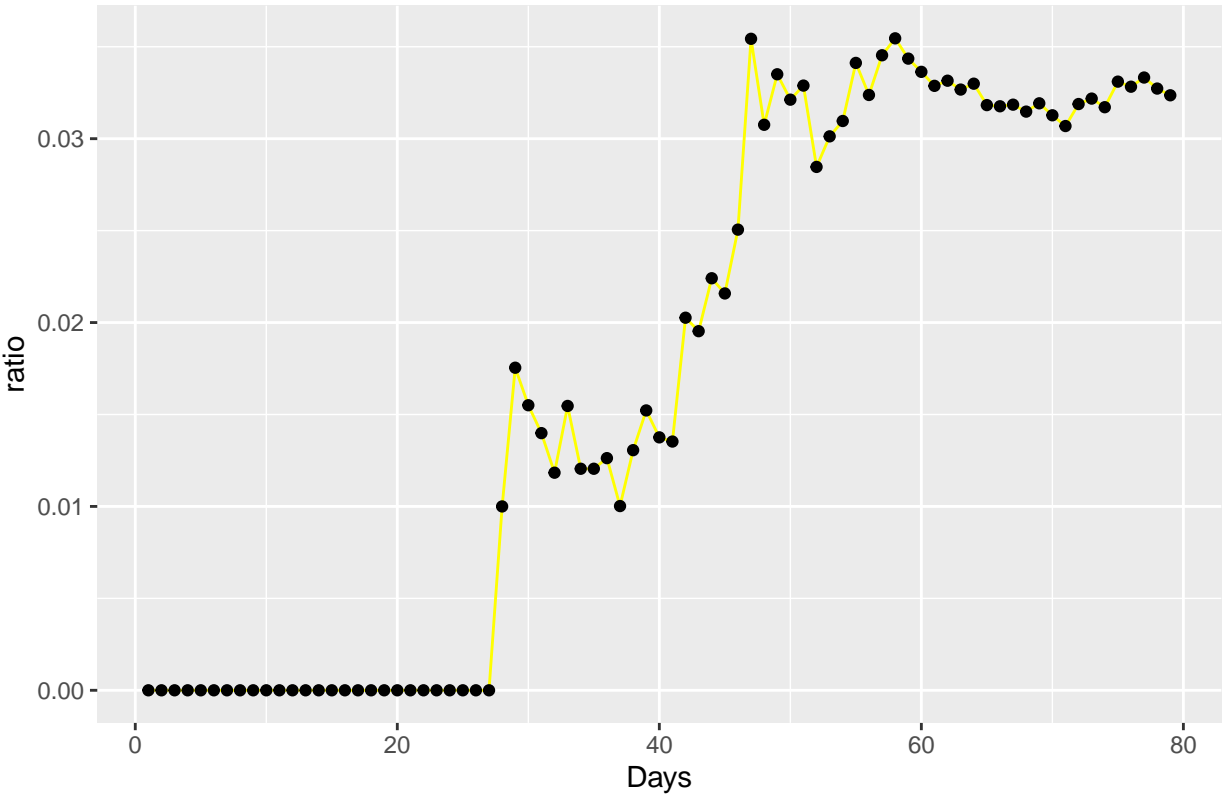


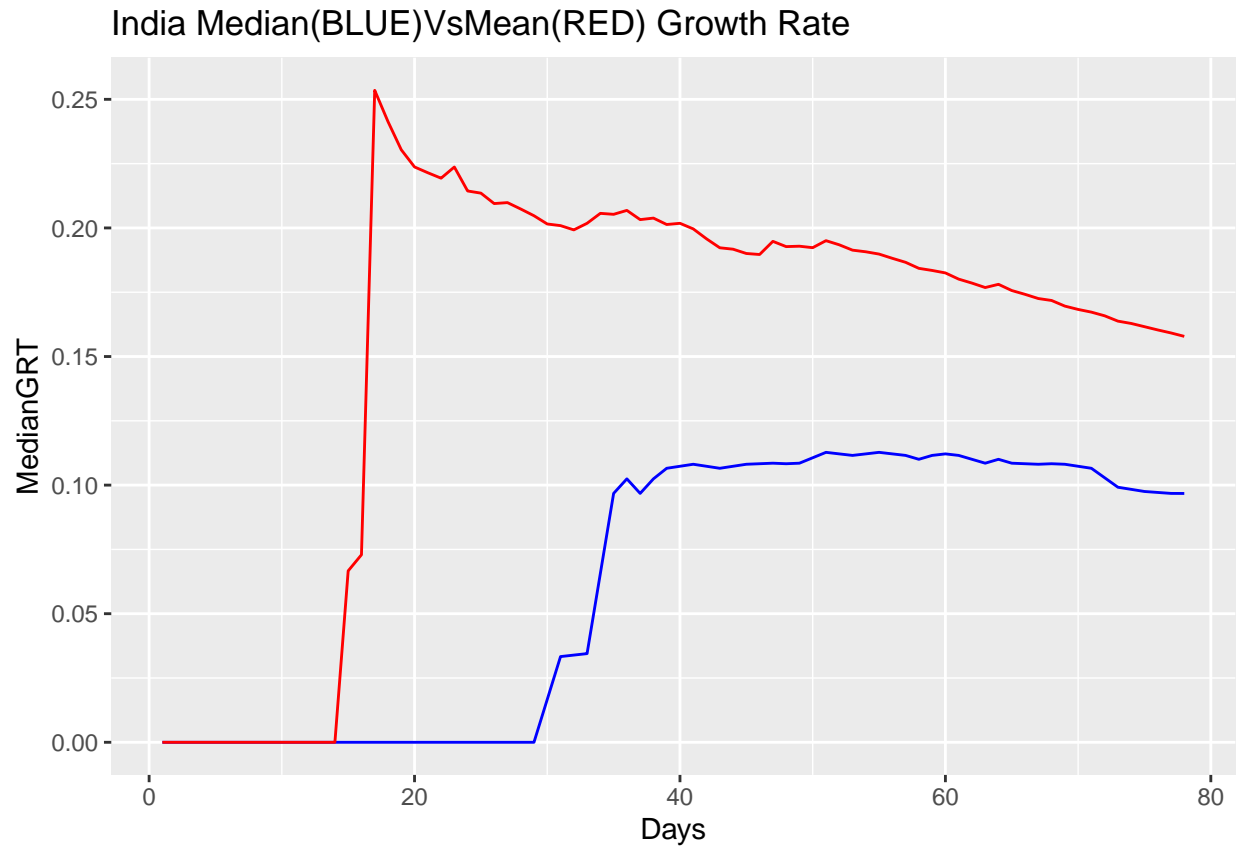






India: TotalDeaths/TotalCases





#### Results:

- Tomorrow's predicted case number is between  $4.736659 \times 10^4$  and  $5.1952336 \times 10^4$  cases.
- Current doubling rate is **13 days**
- Mean doubling rate, i.e number of cases doubles every **4 days**.
- Median doubling rate, i.e number of cases doubles every **7 days**.
- Latest Observed Growth Rate **5.5640513** percent.
- Mean Growth Rate: **15.7841225** percent.
- Median Growth Rate: **9.6755927** percent.
- Standard deviation: +/- **36.8948093**.