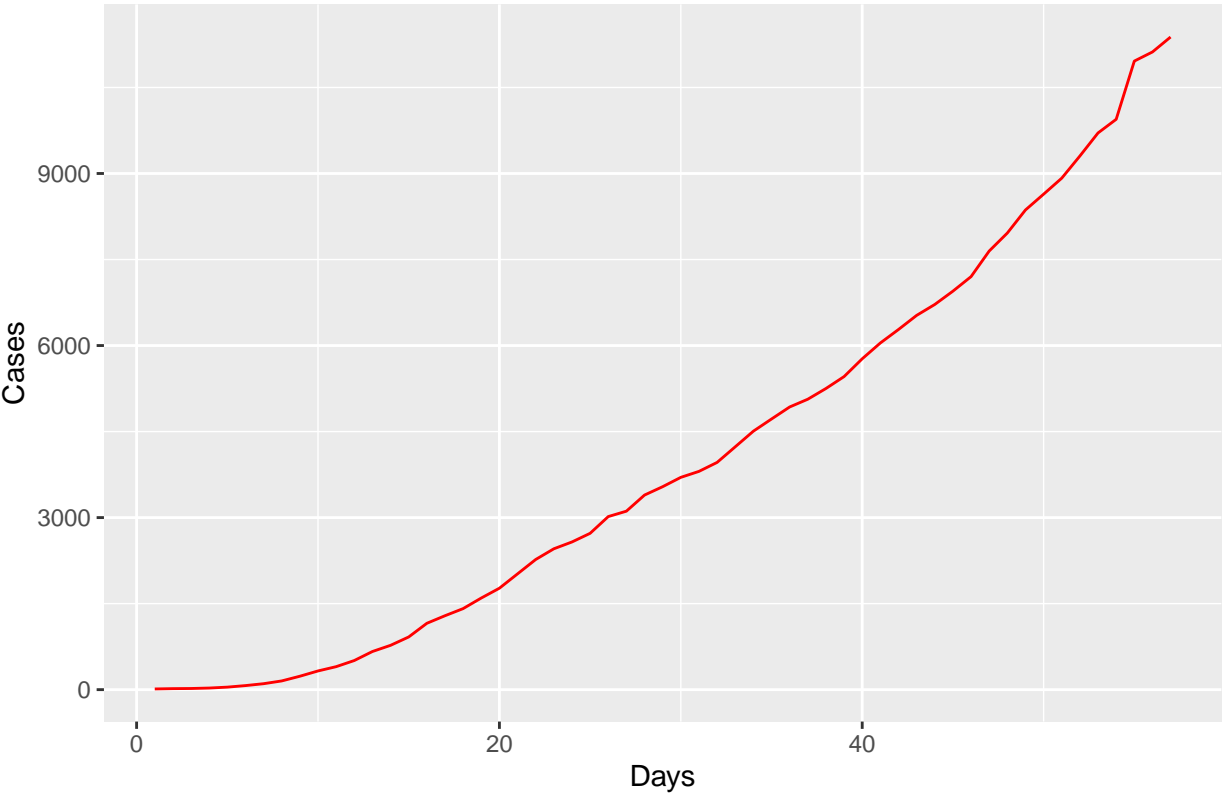


# Arizona/US/India Corona Trends- 11th May 2020 with tomorrow's prediction

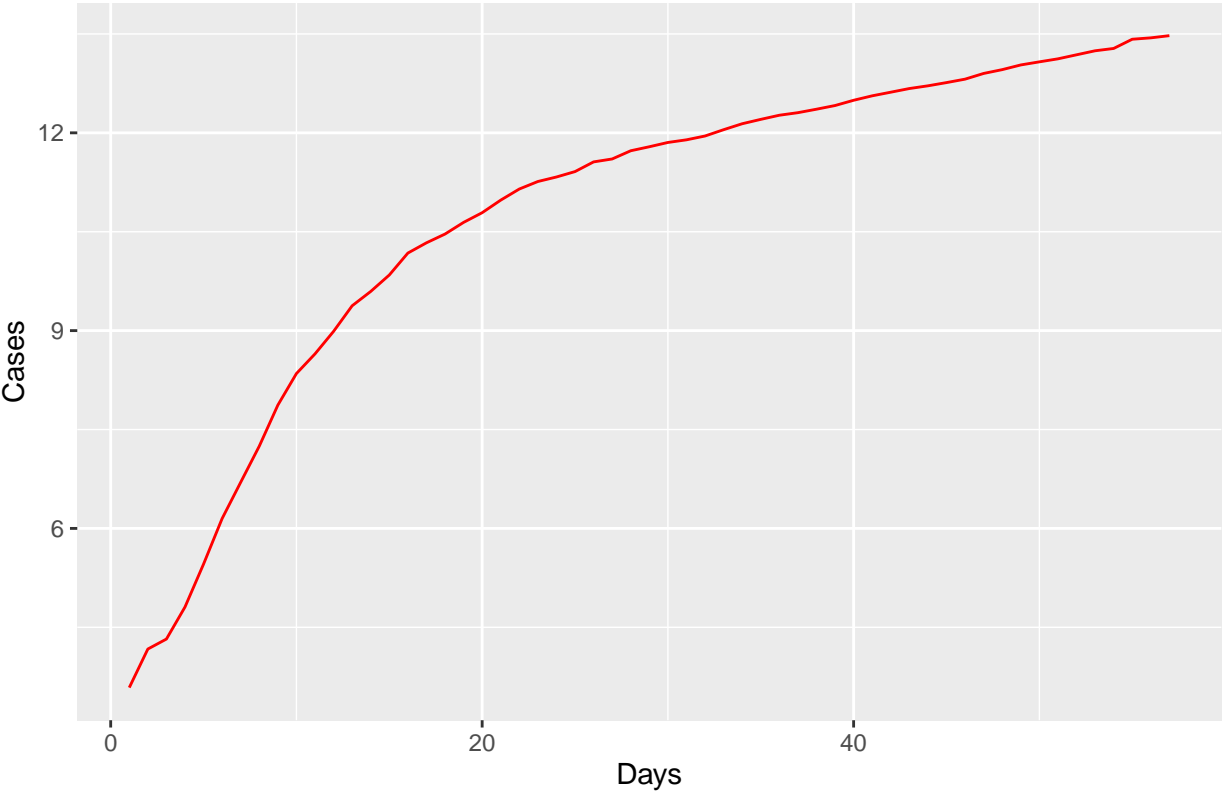
Whitchurch Muthumani

5/11/2020

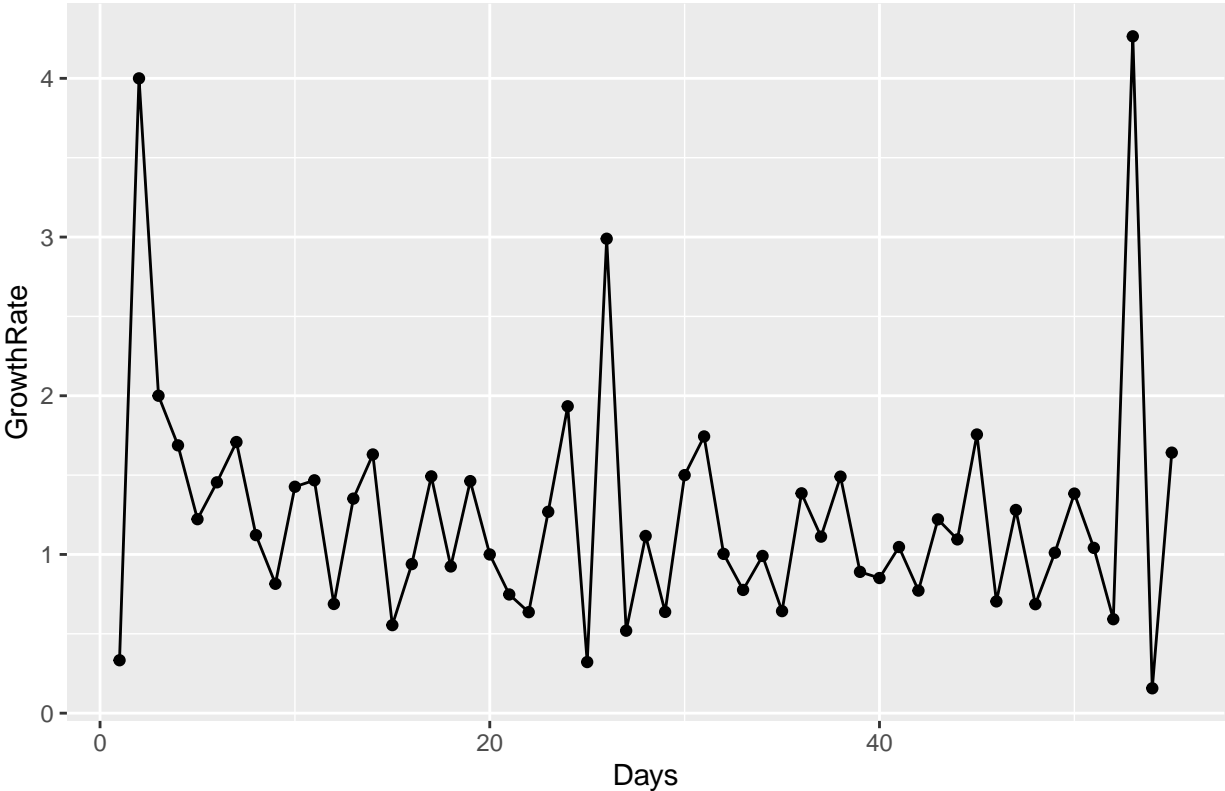
Arizona: Daily Cases



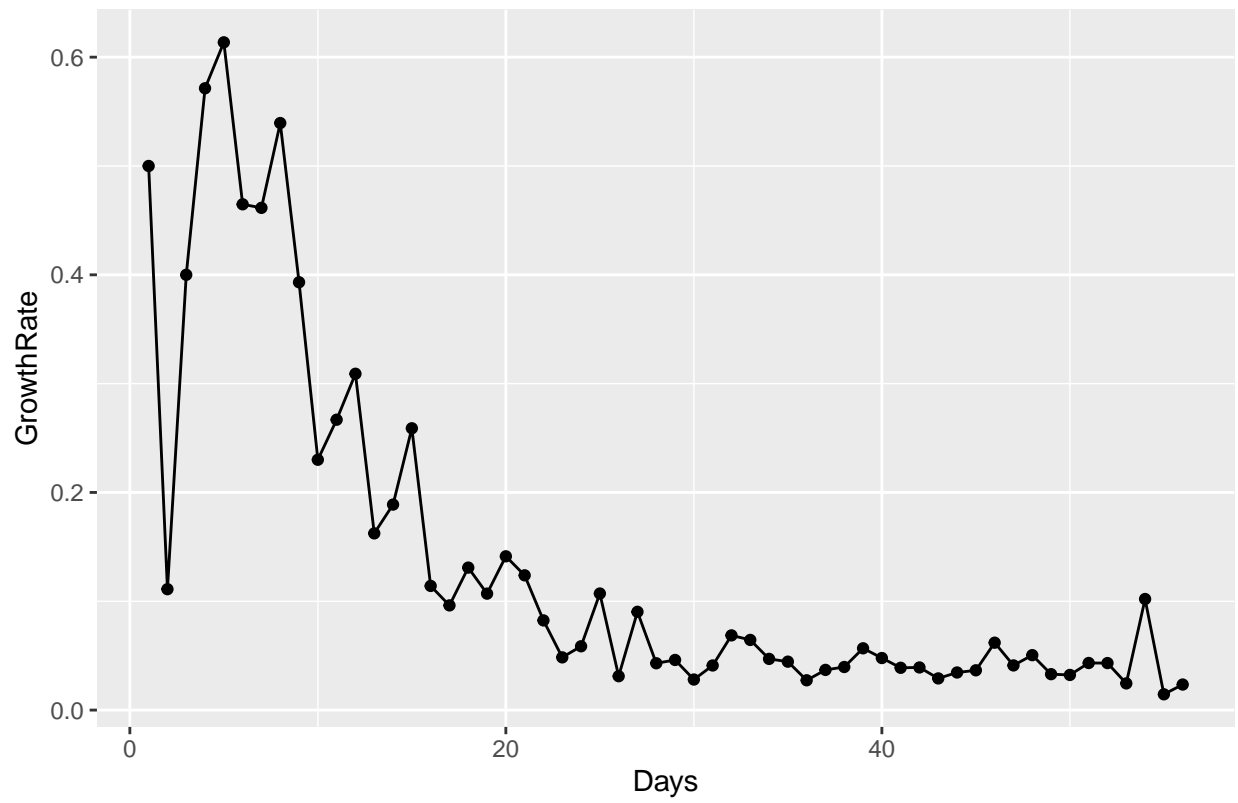
Arizona: Daily Cases

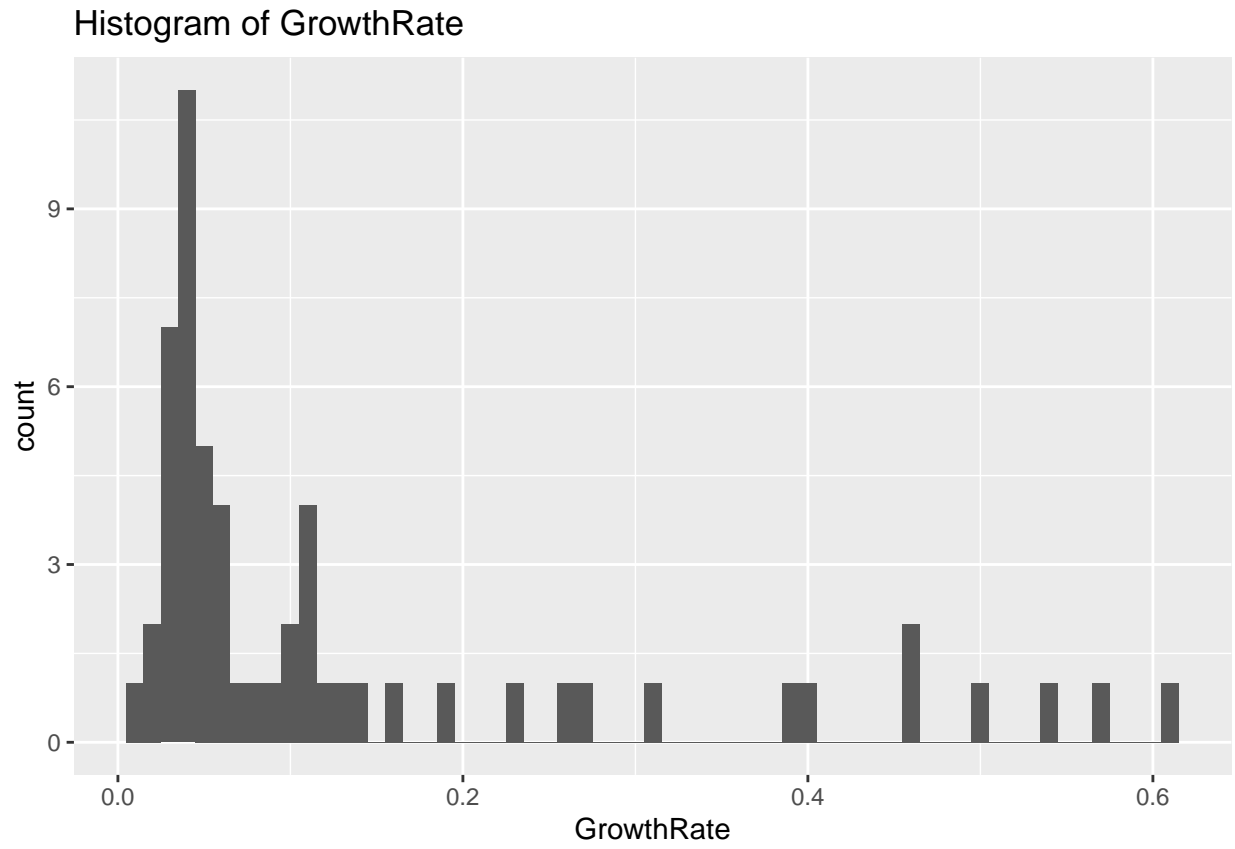


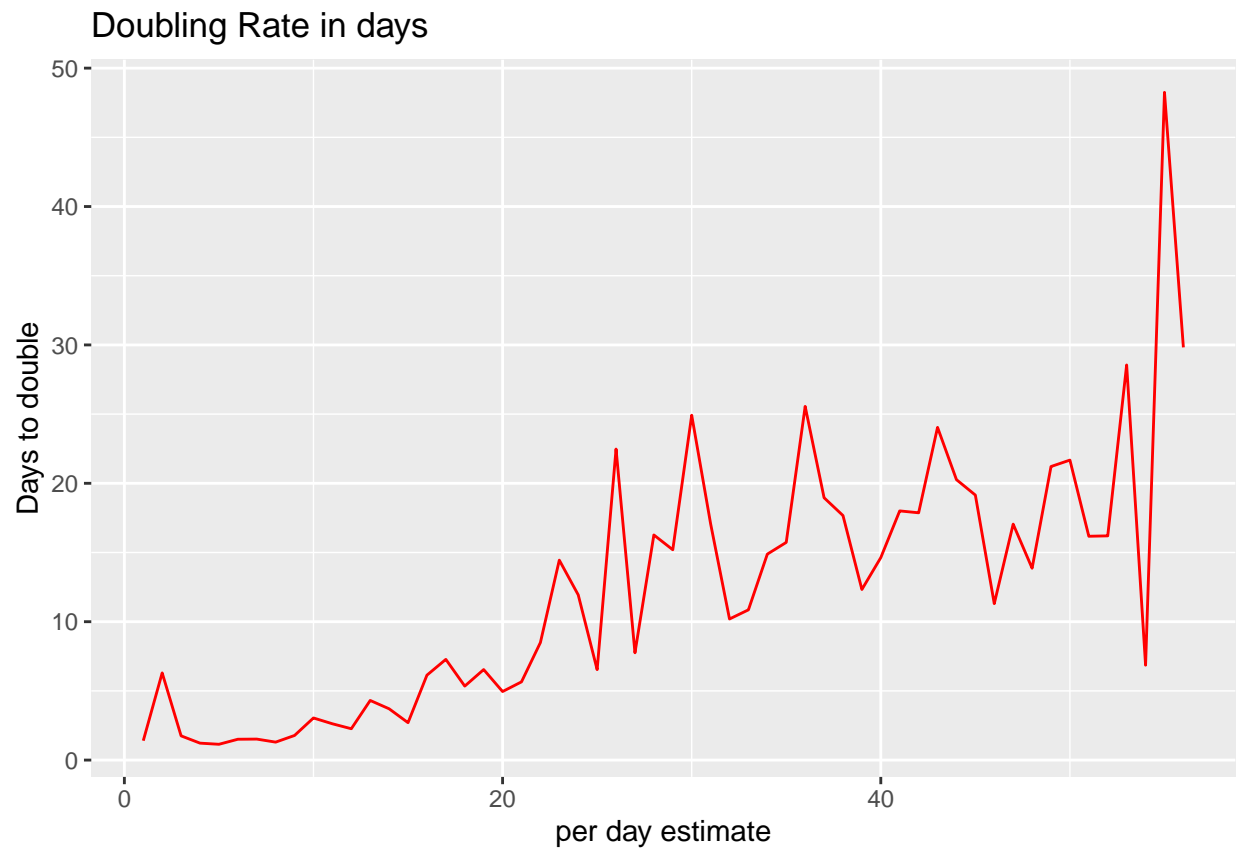
Arizona: Rate of change in Growth Rate



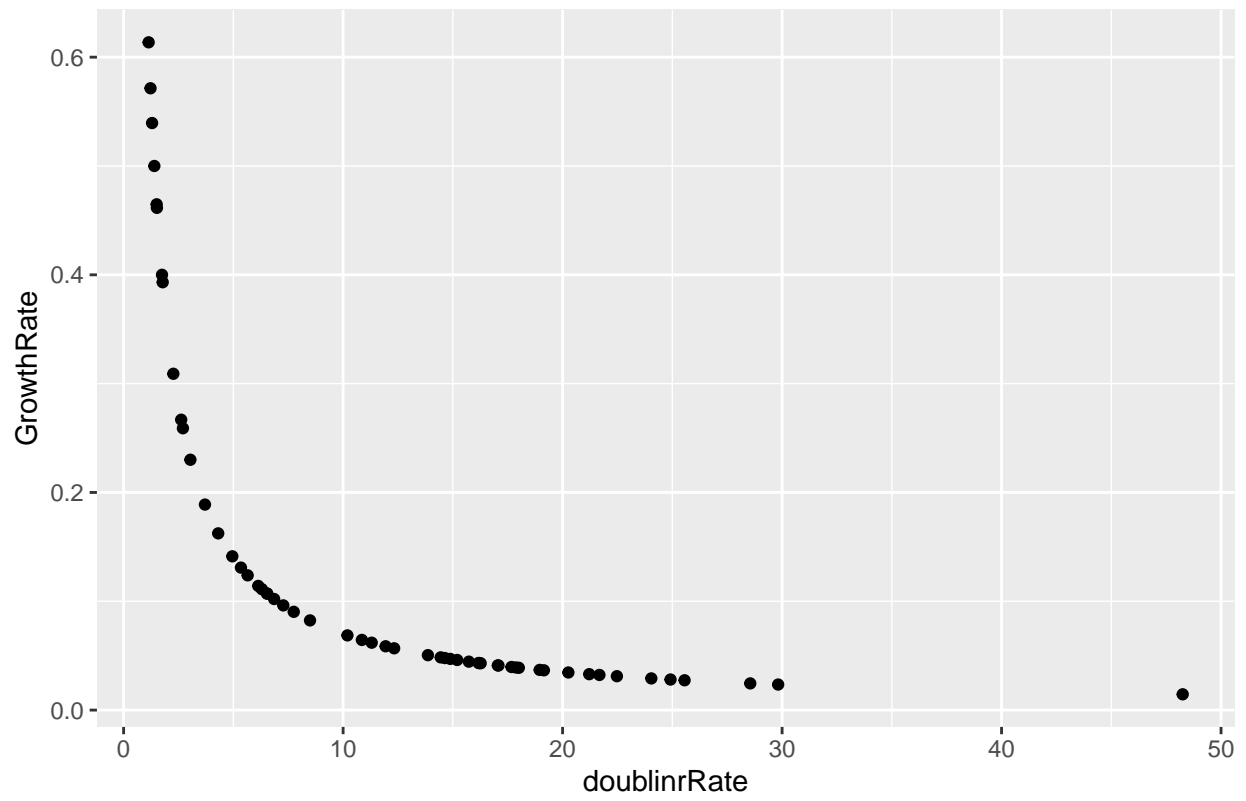
Arizona: Growth Rate

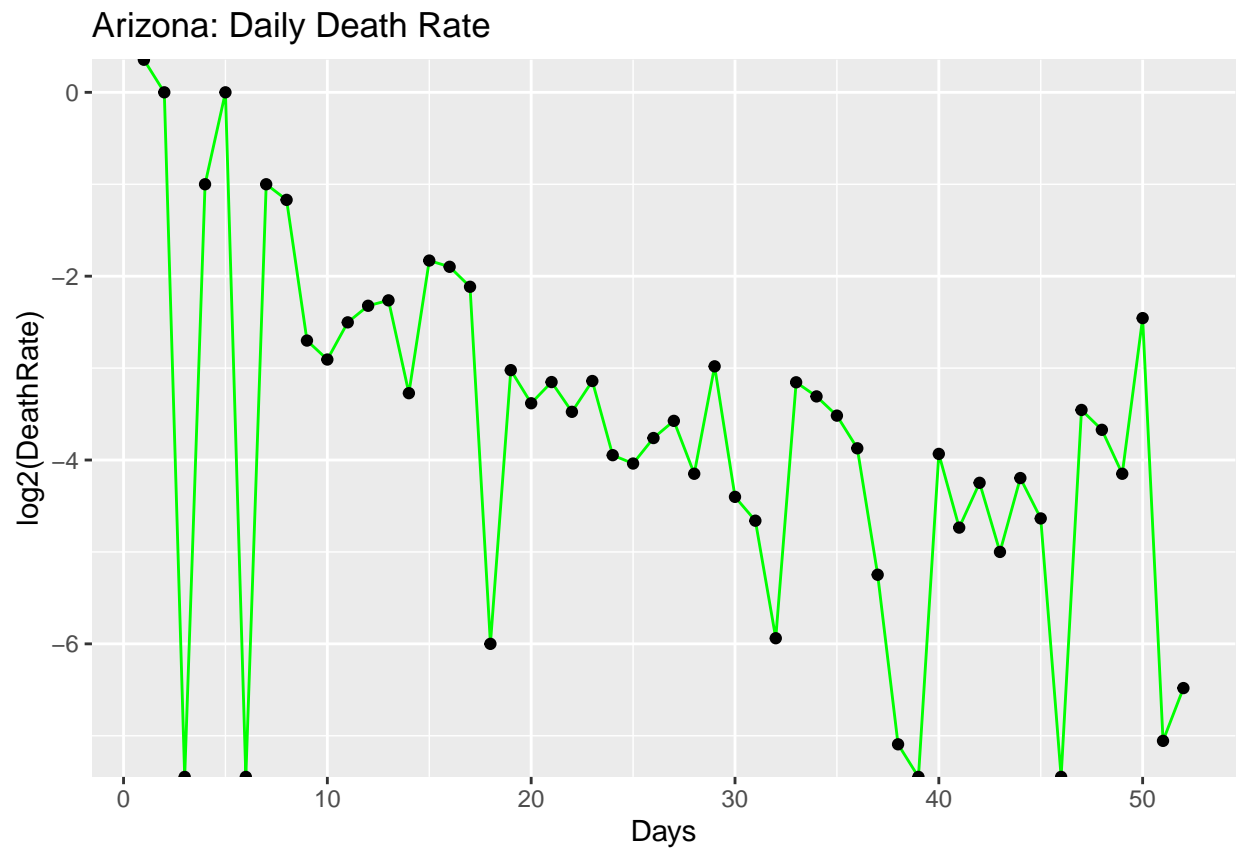




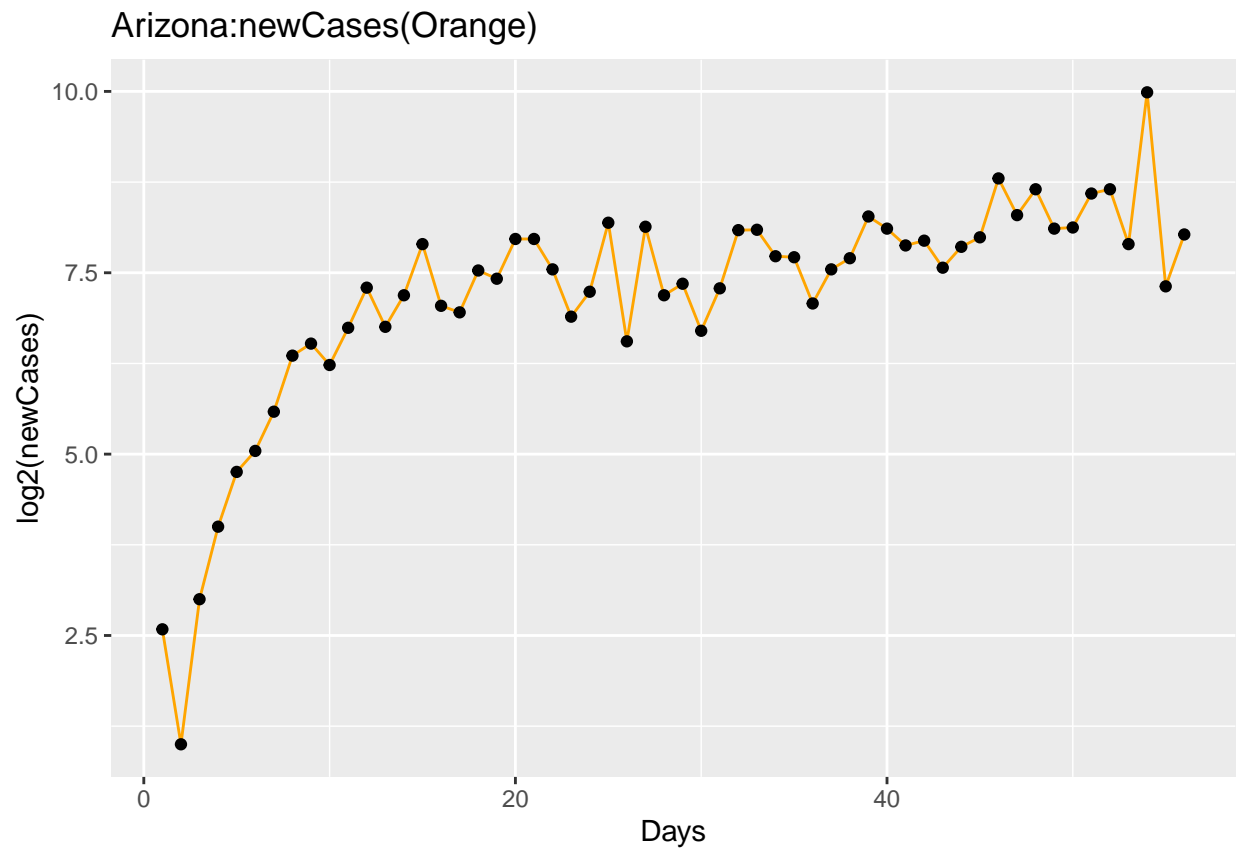


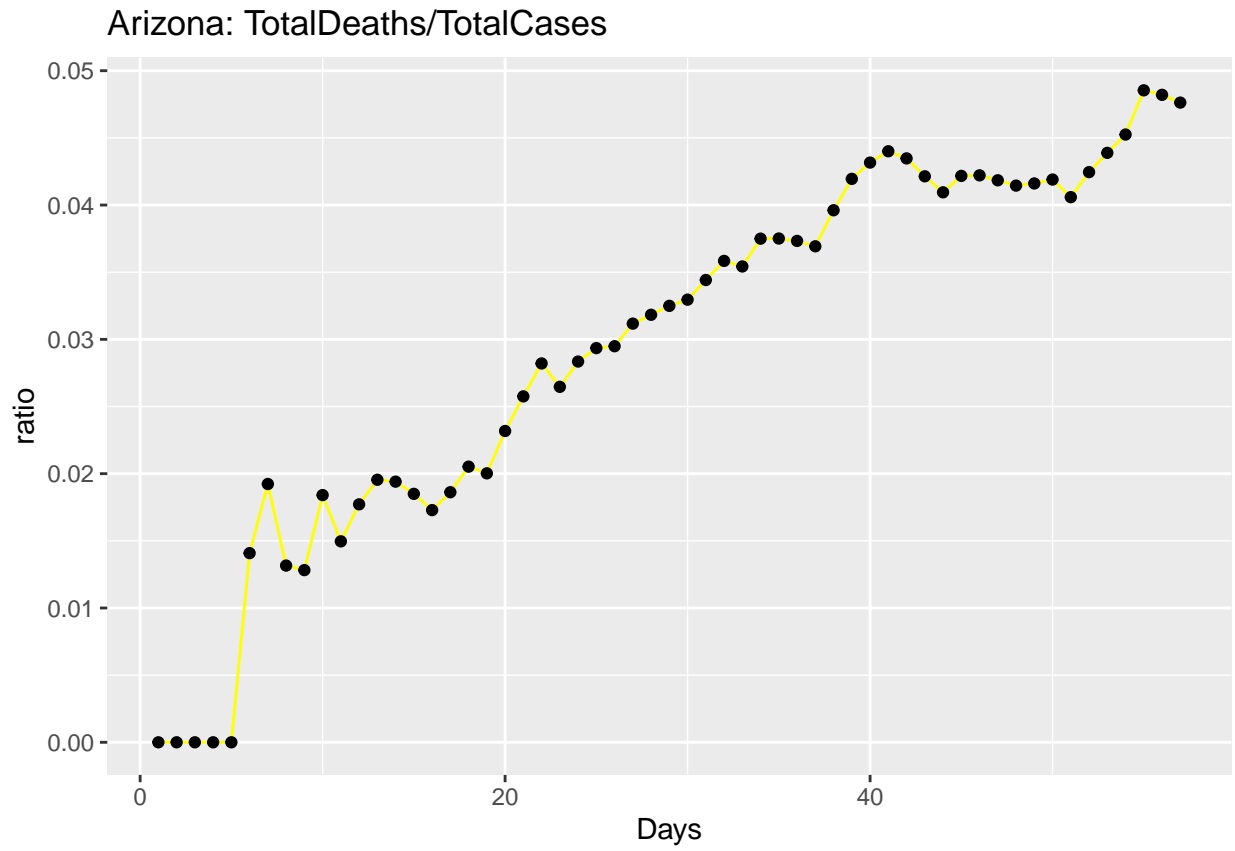
Doubling Rate vs Growth Rate

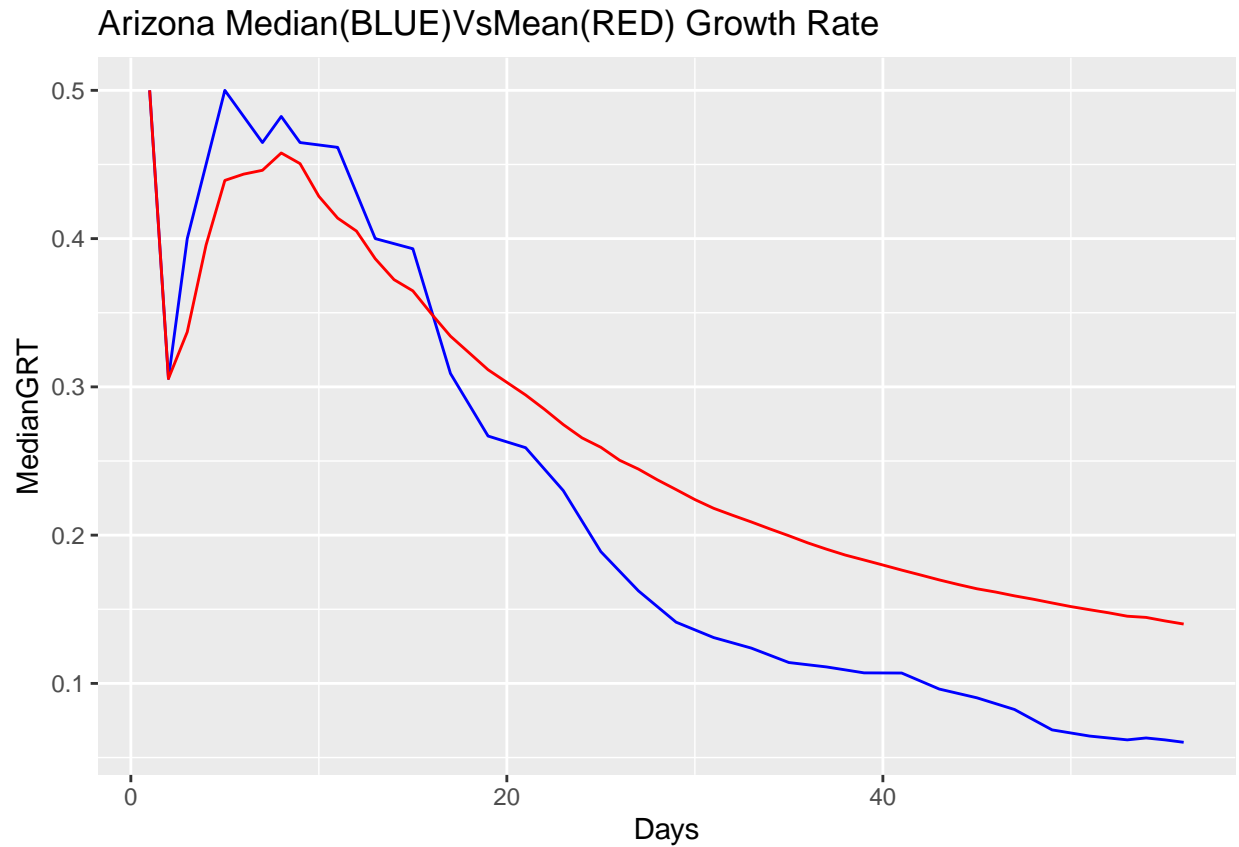










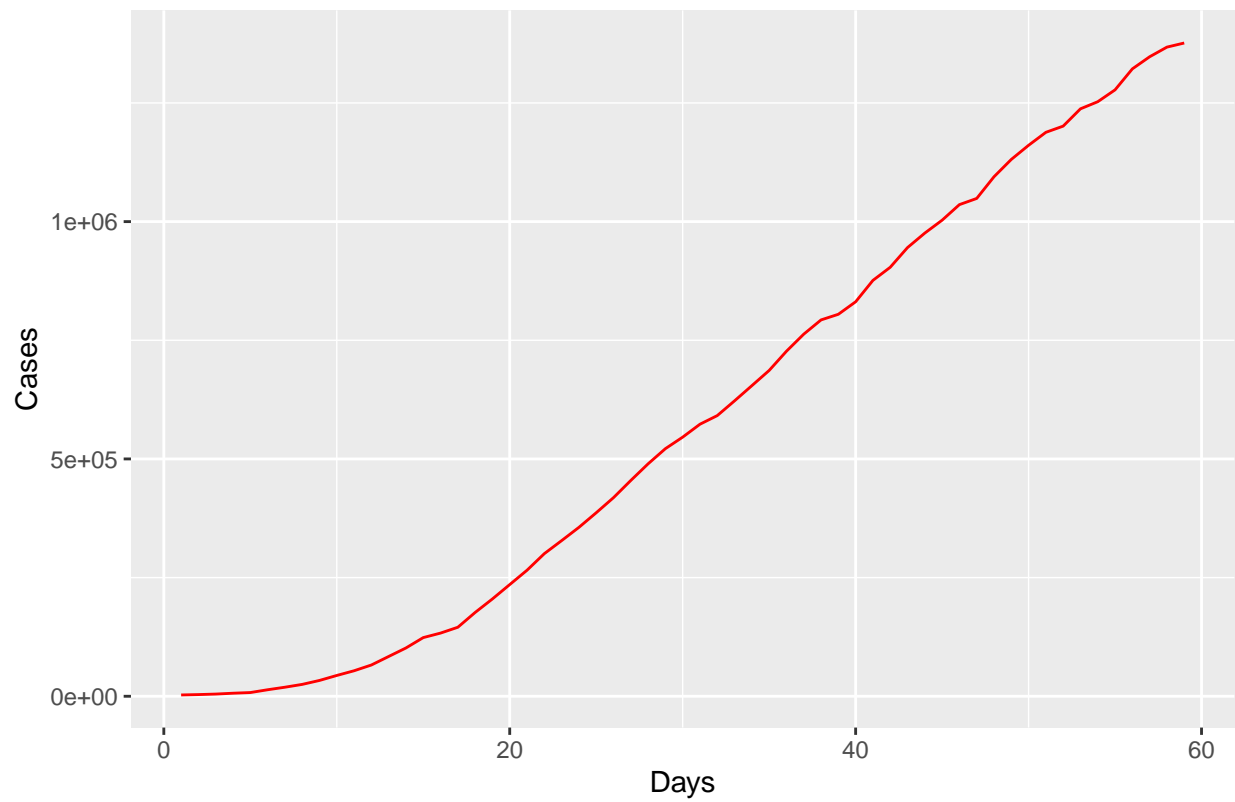


#### Results:

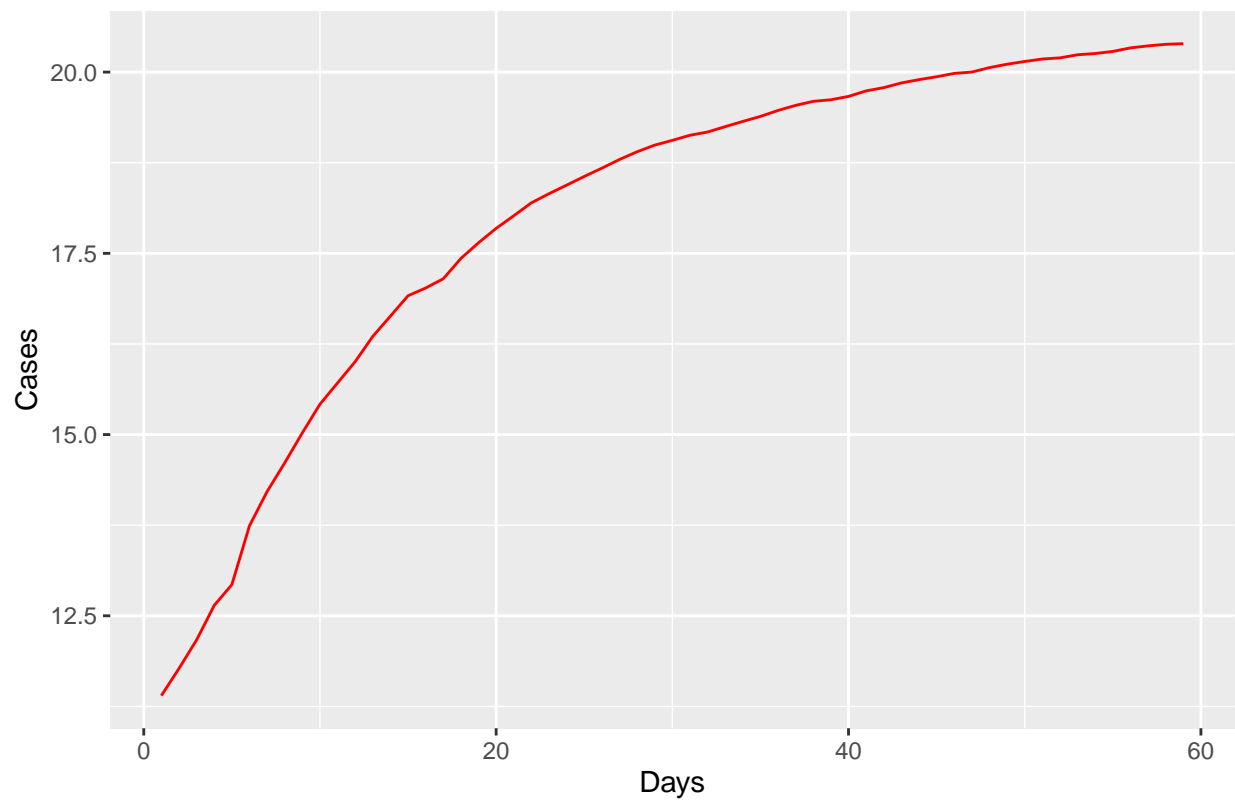
- Tomorrow's predicted case number is between  $1.1647127 \times 10^4$  and  $1.2973656 \times 10^4$  cases.
- Current doubling rate is **30 days**
- Mean doubling rate, i.e number of cases doubles every **5 days**.
- Median doubling rate, i.e number of cases doubles every **12 days**.
- Latest Observed Growth Rate **2.3473334** percent.
- Mean Growth Rate: **14.0040101** percent.
- Median Growth Rate: **6.028401** percent.
- Standard deviation: +/- **16.1290377**.

## US Corona Dashboard

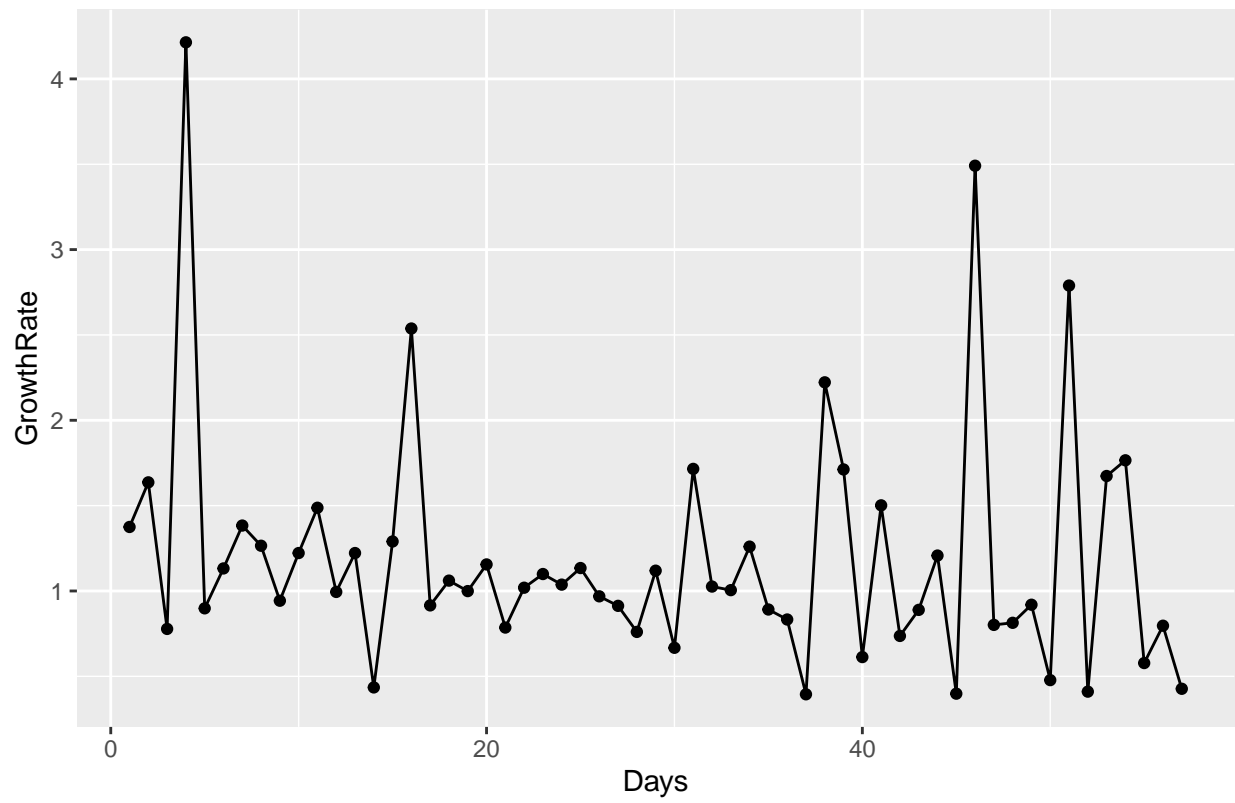
### US: Daily Cases



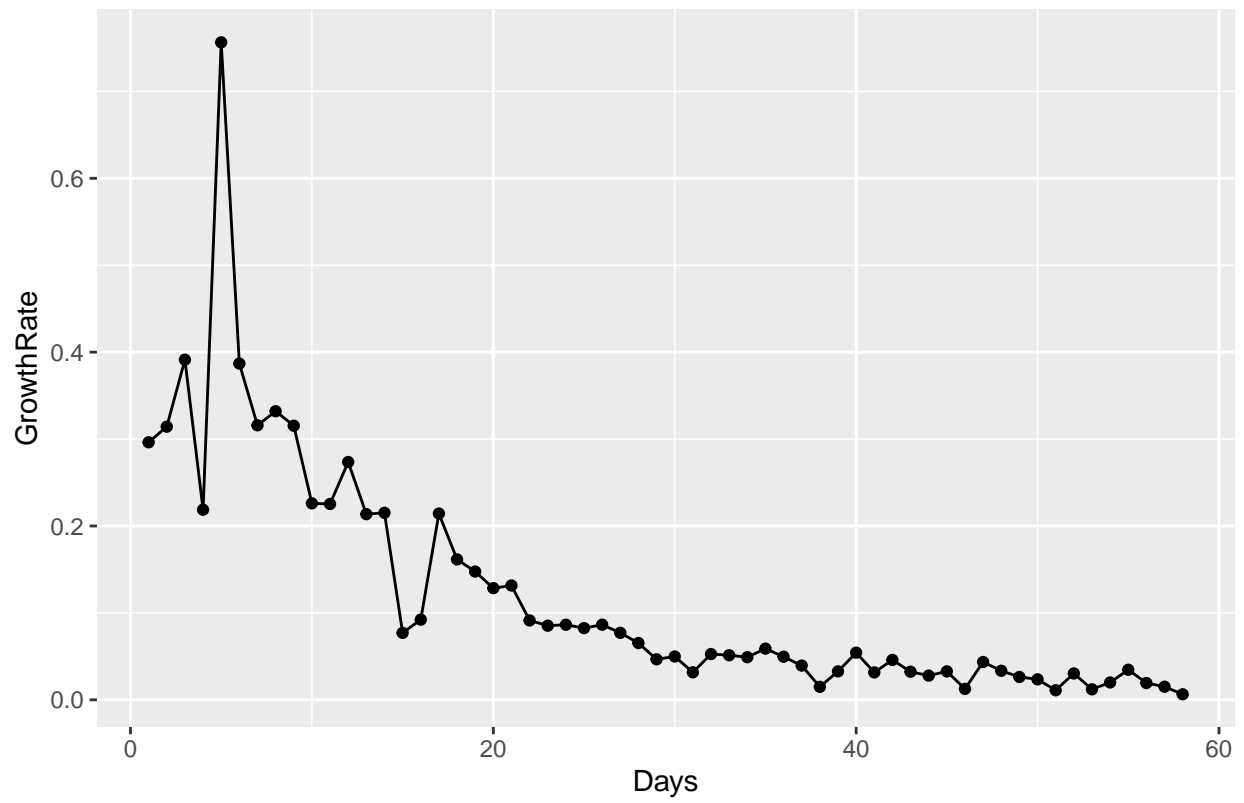
### US: Daily Cases

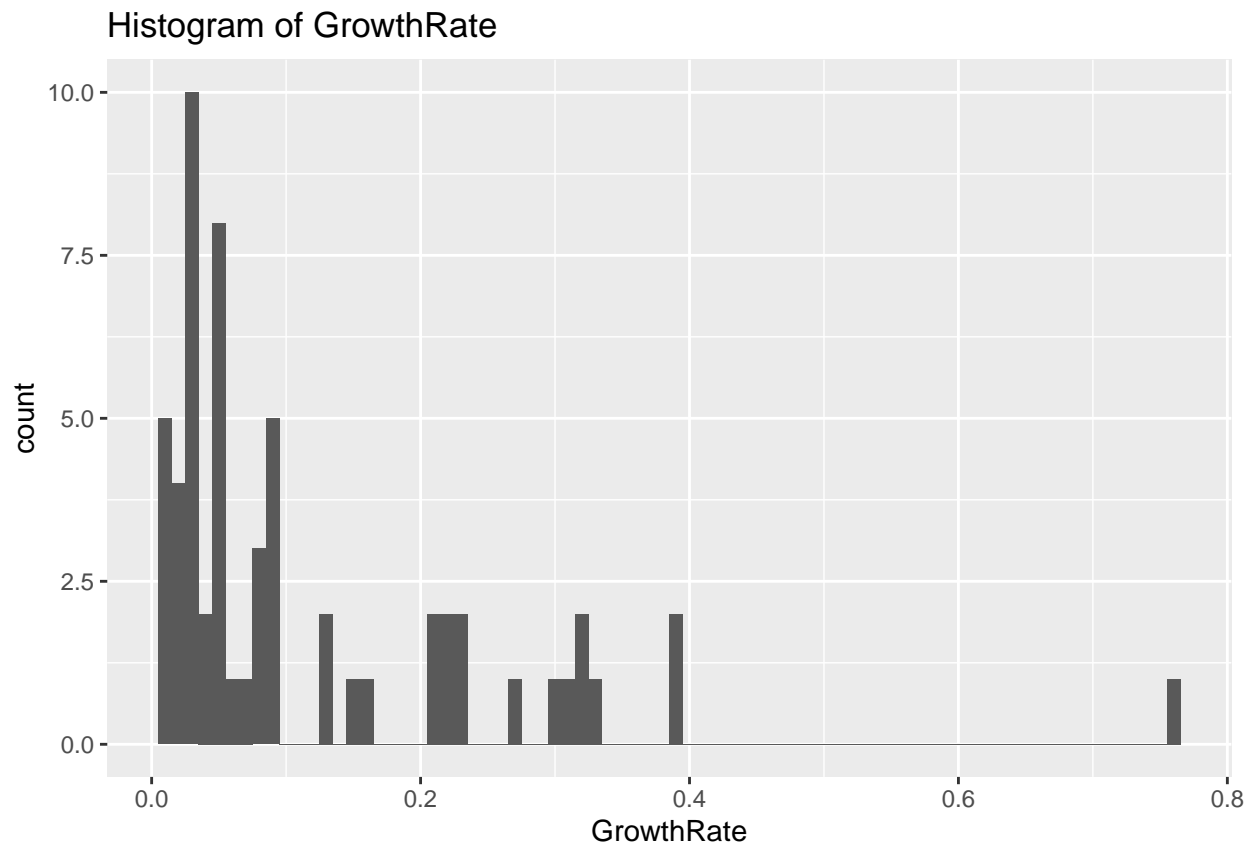


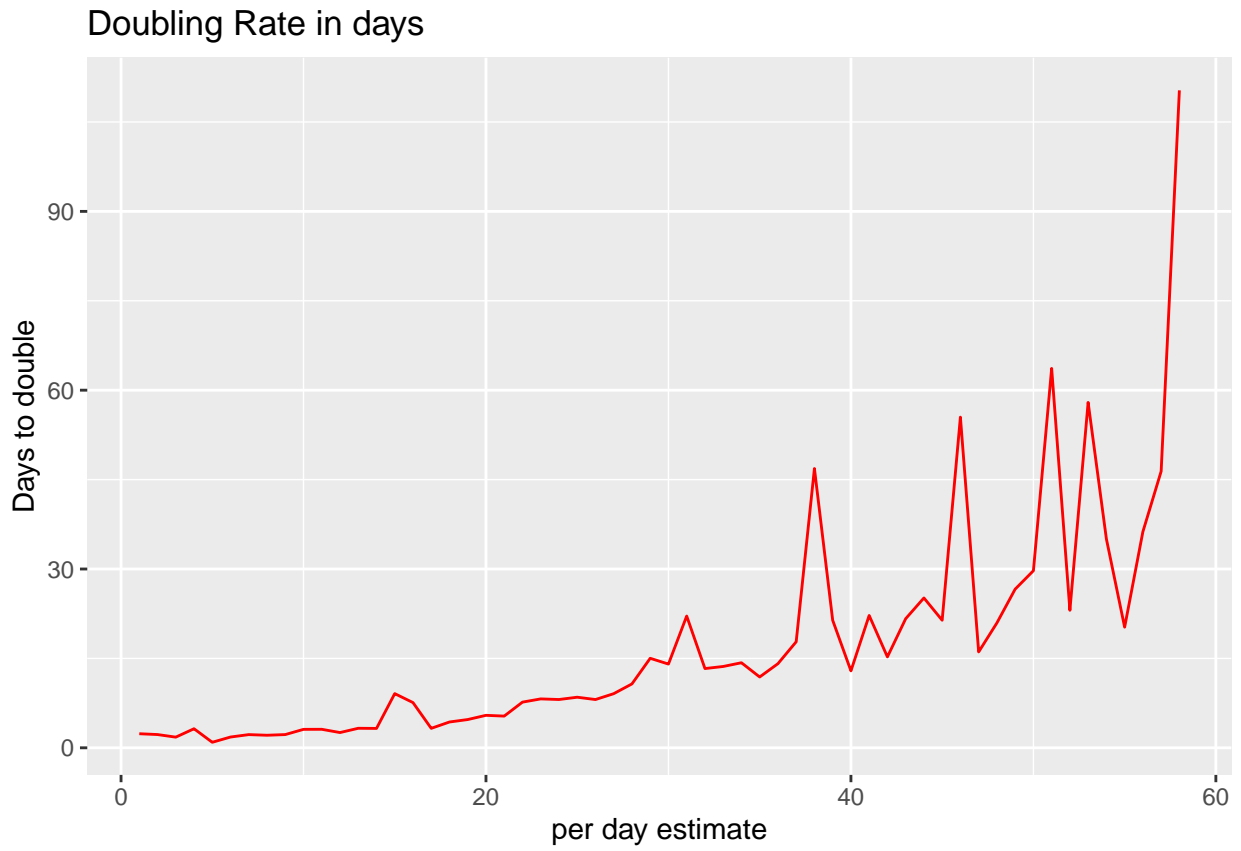
US: Rate of change in Growth Rate



US: Growth Rate

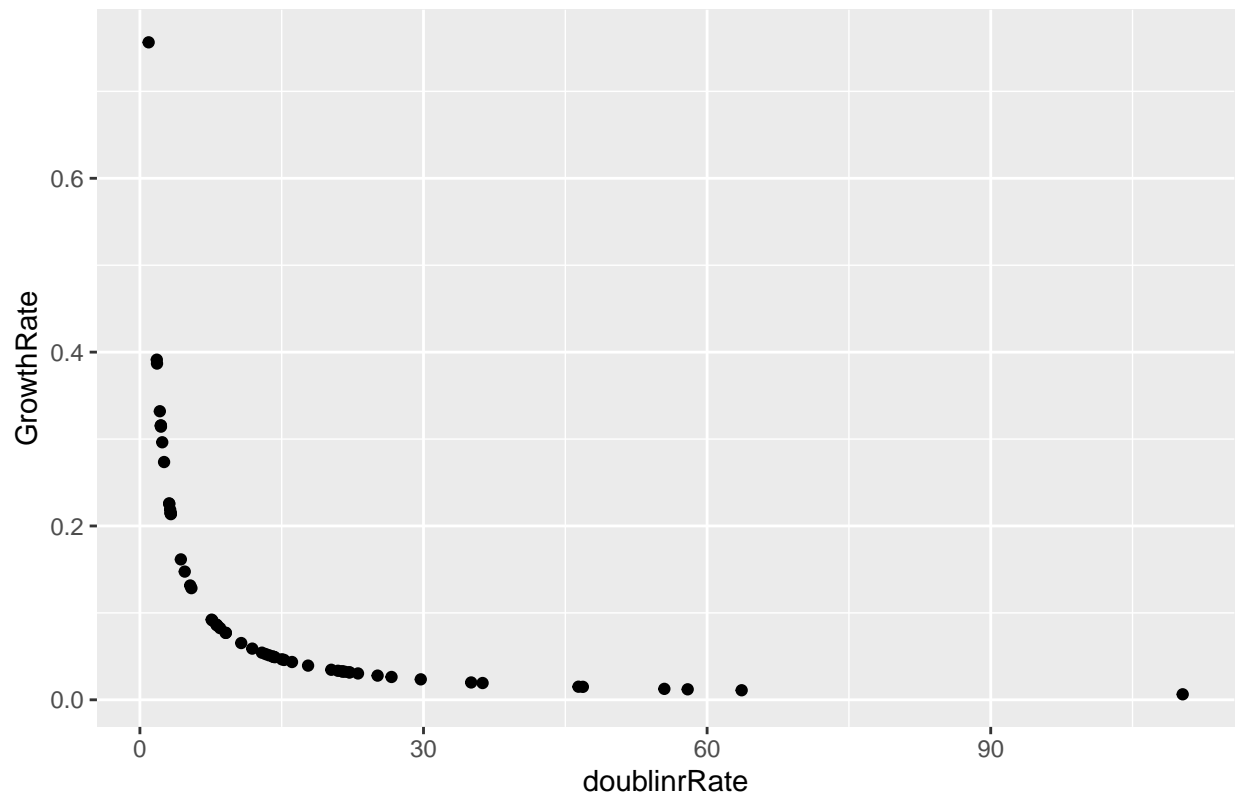


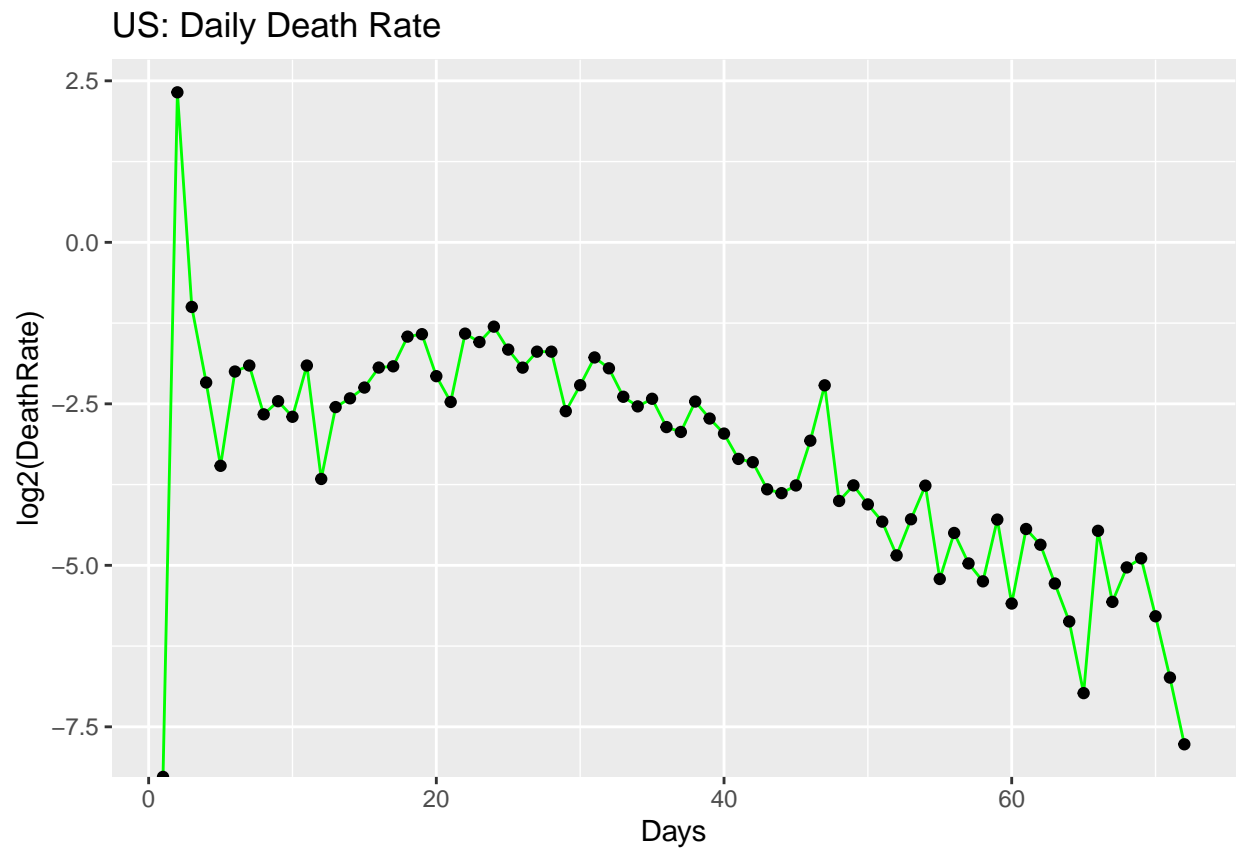


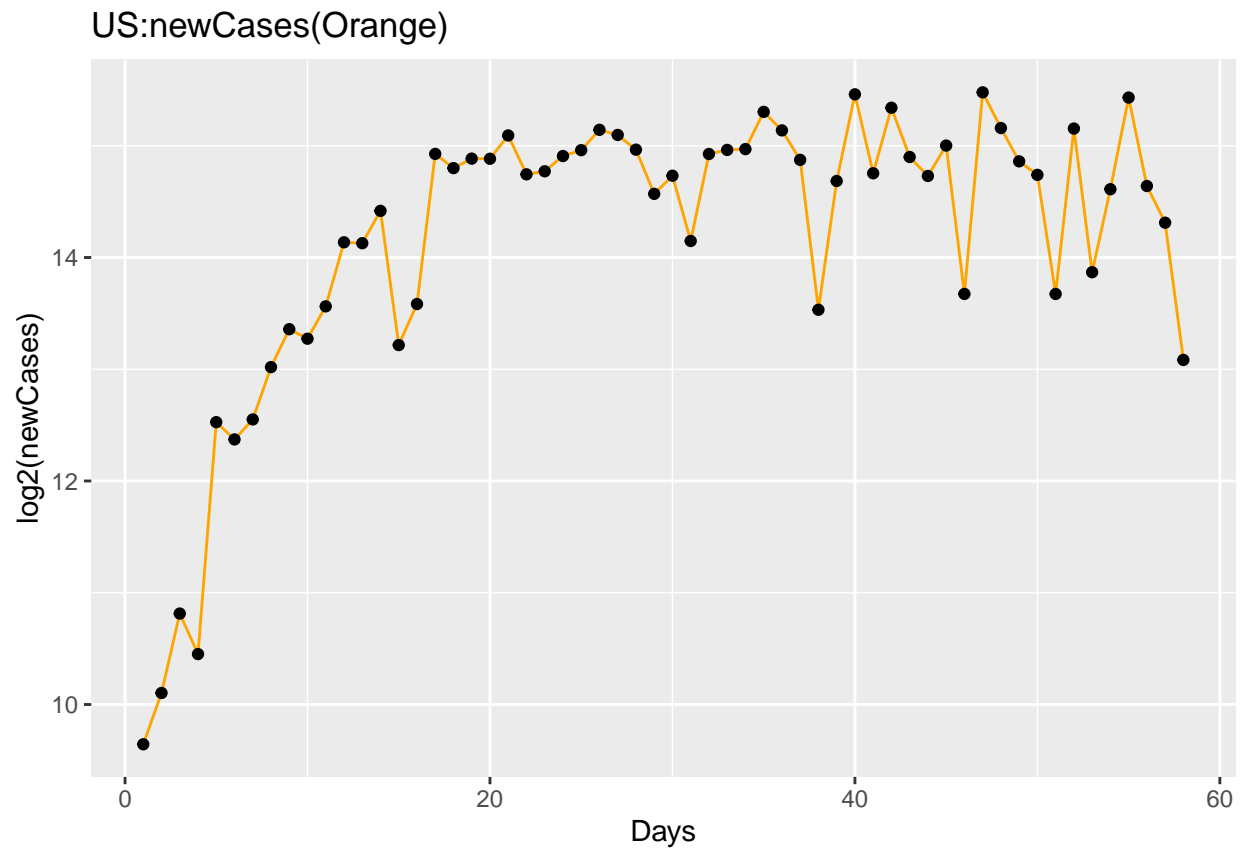


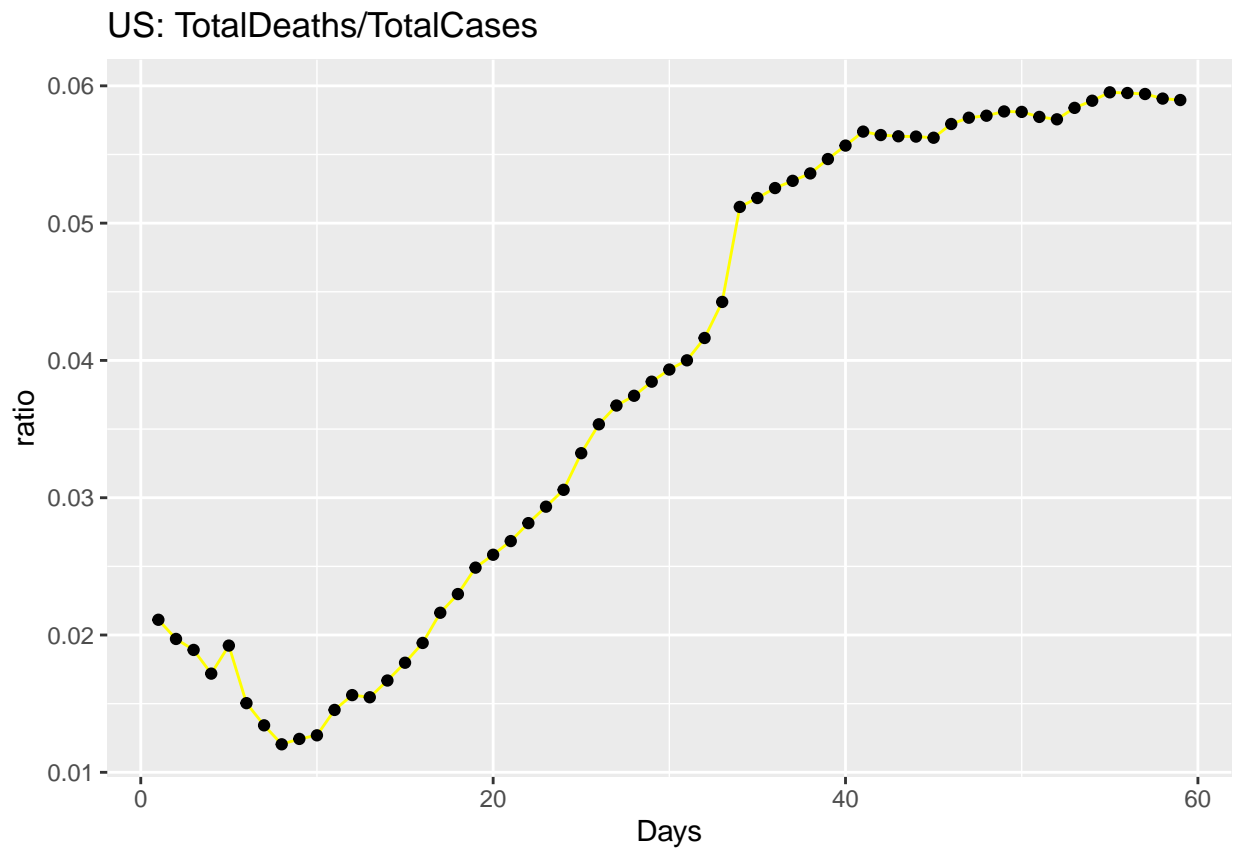


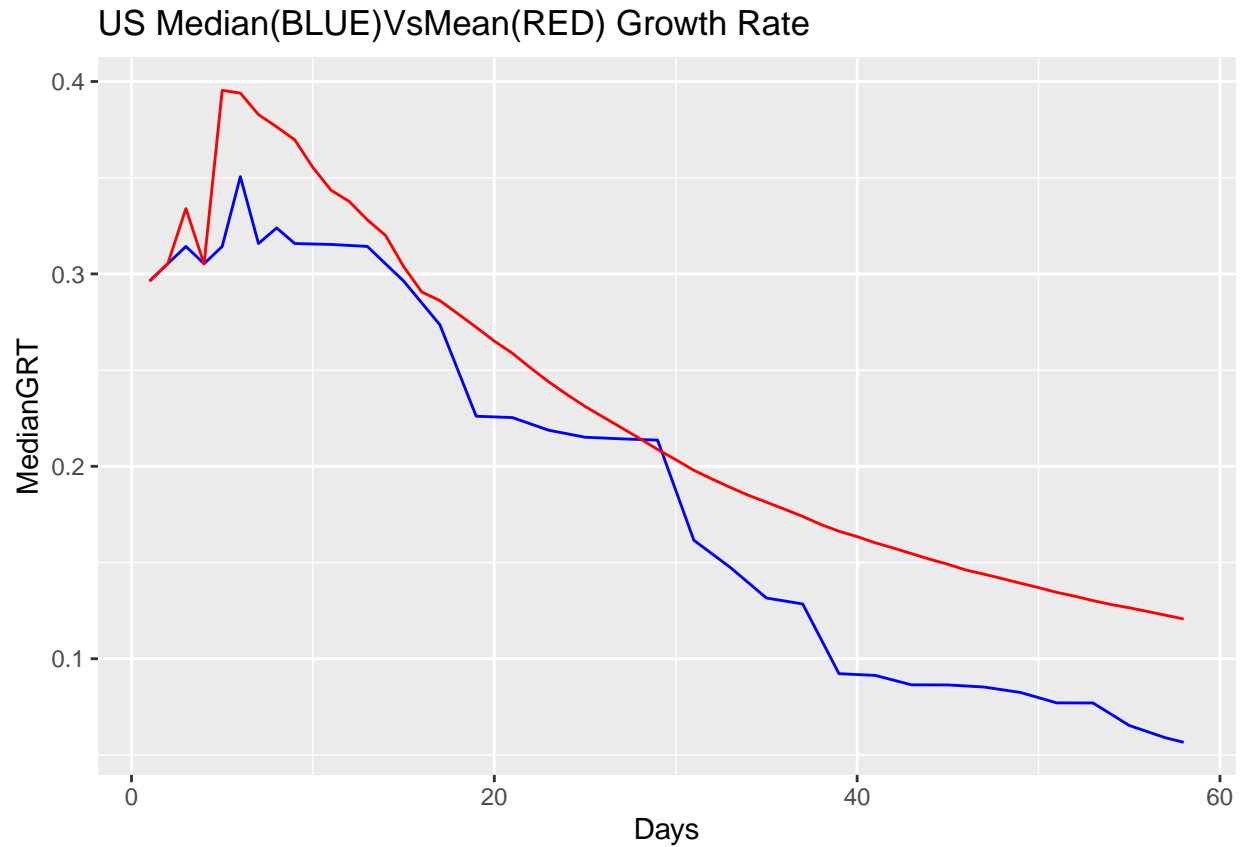
Doubling Rate vs Growth Rate









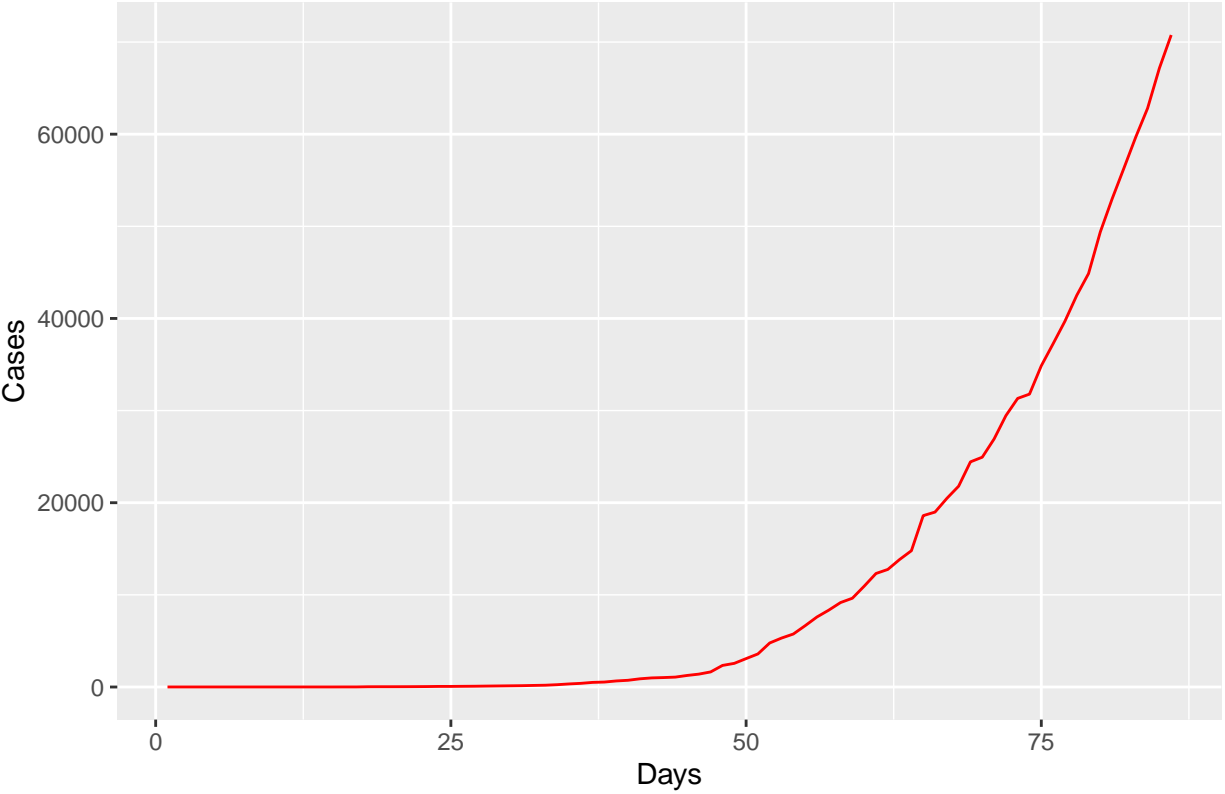


#### Results:

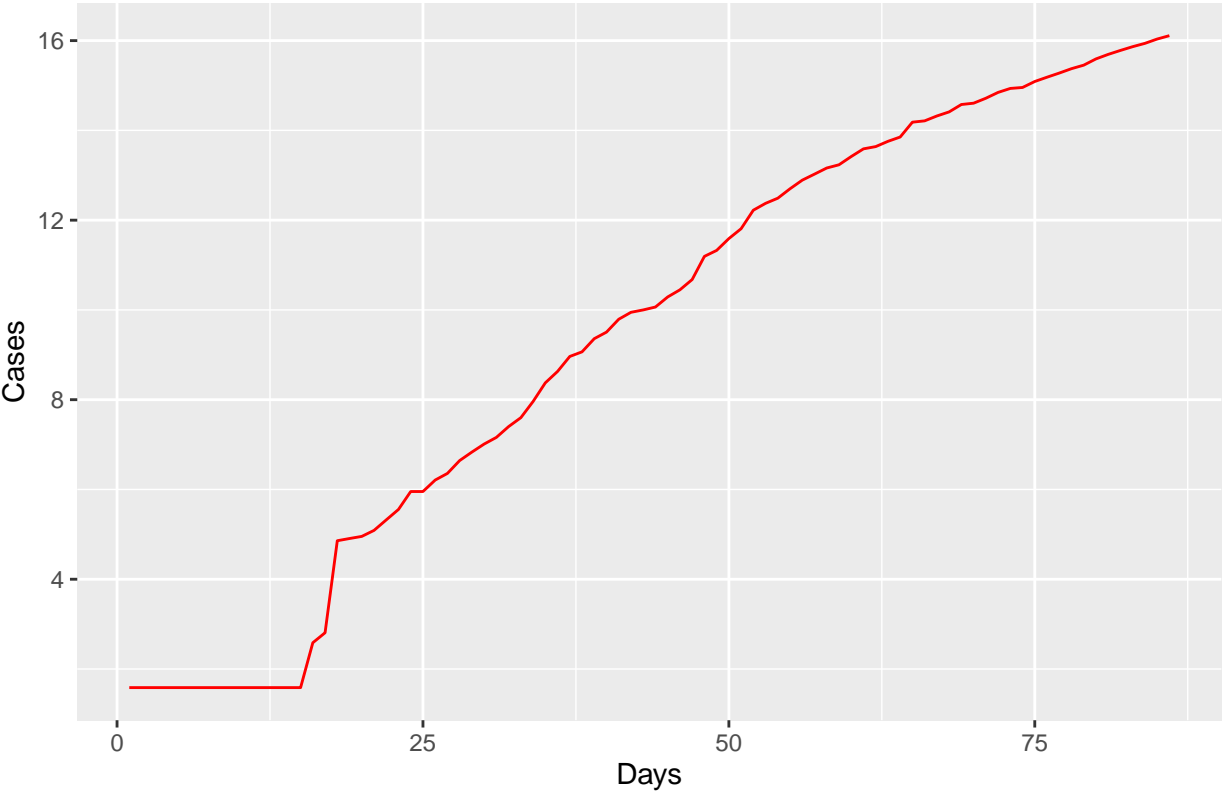
- Tomorrow's predicted case number is between  $1.3850511 \times 10^6$  and  $1.542345 \times 10^6$  cases.
- Current doubling rate is **110 days**
- Mean doubling rate, i.e number of cases doubles every **6 days**.
- Median doubling rate, i.e number of cases doubles every **12 days**.
- Latest Observed Growth Rate **0.6345978** percent.
- Mean Growth Rate: **12.0632086** percent.
- Median Growth Rate: **5.656091** percent.
- Standard deviation: +/- **13.713038**.

India Corona Dashboard

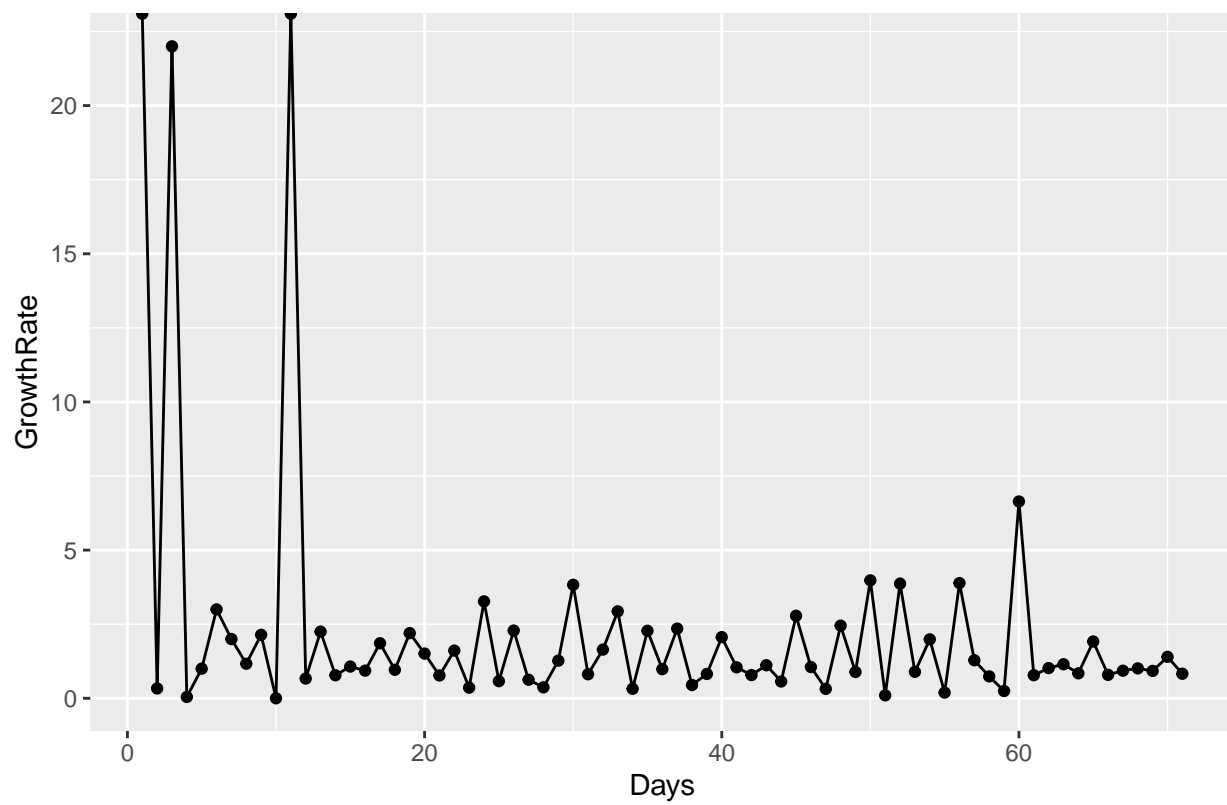
India: Daily Cases

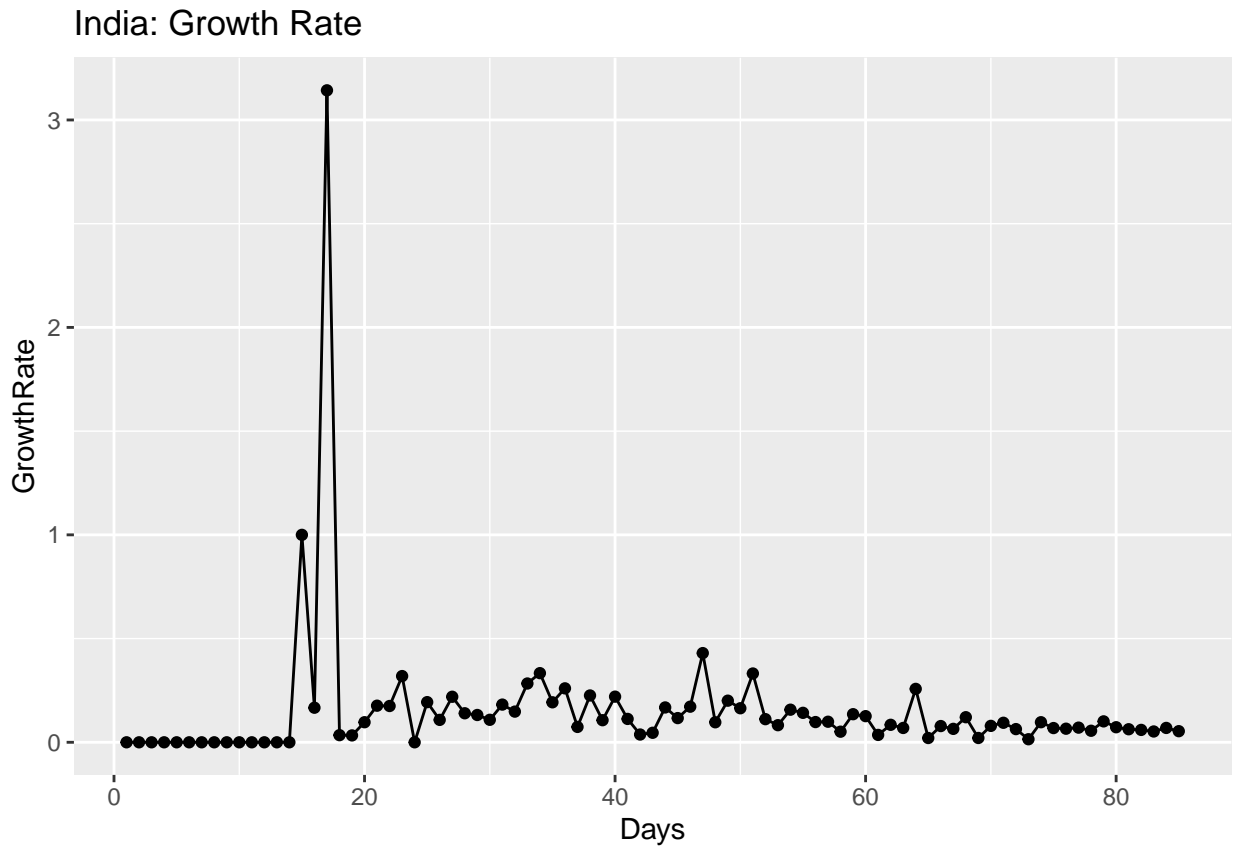


India: Daily Cases

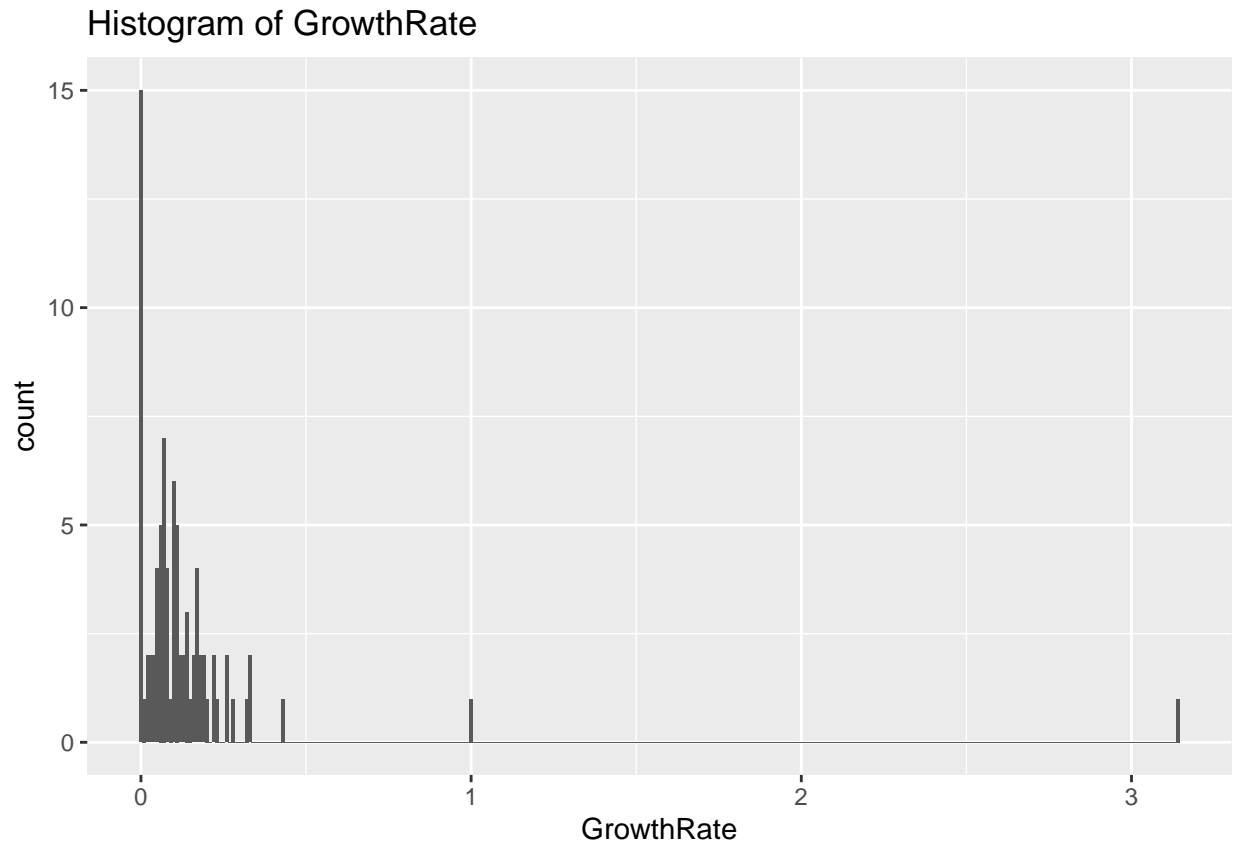


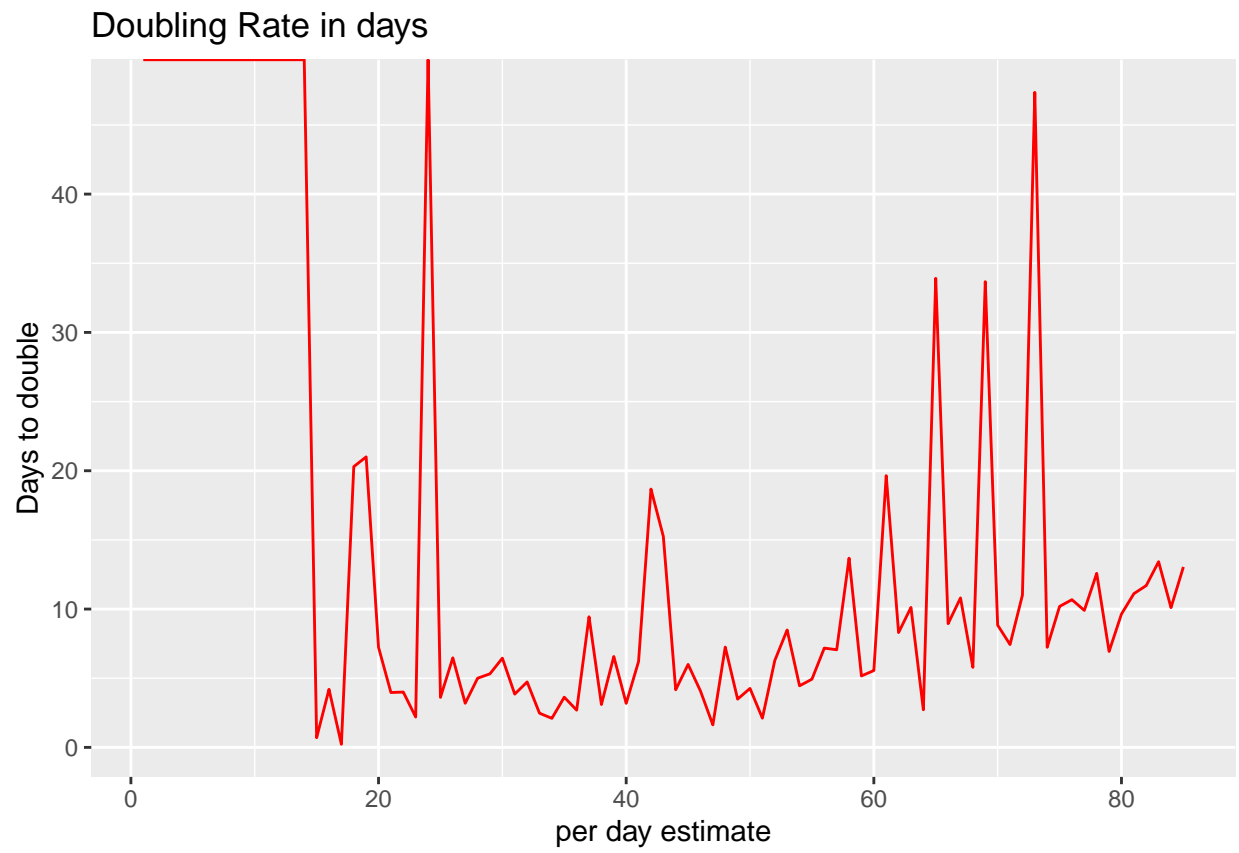
US: Rate of change in Growth Rate

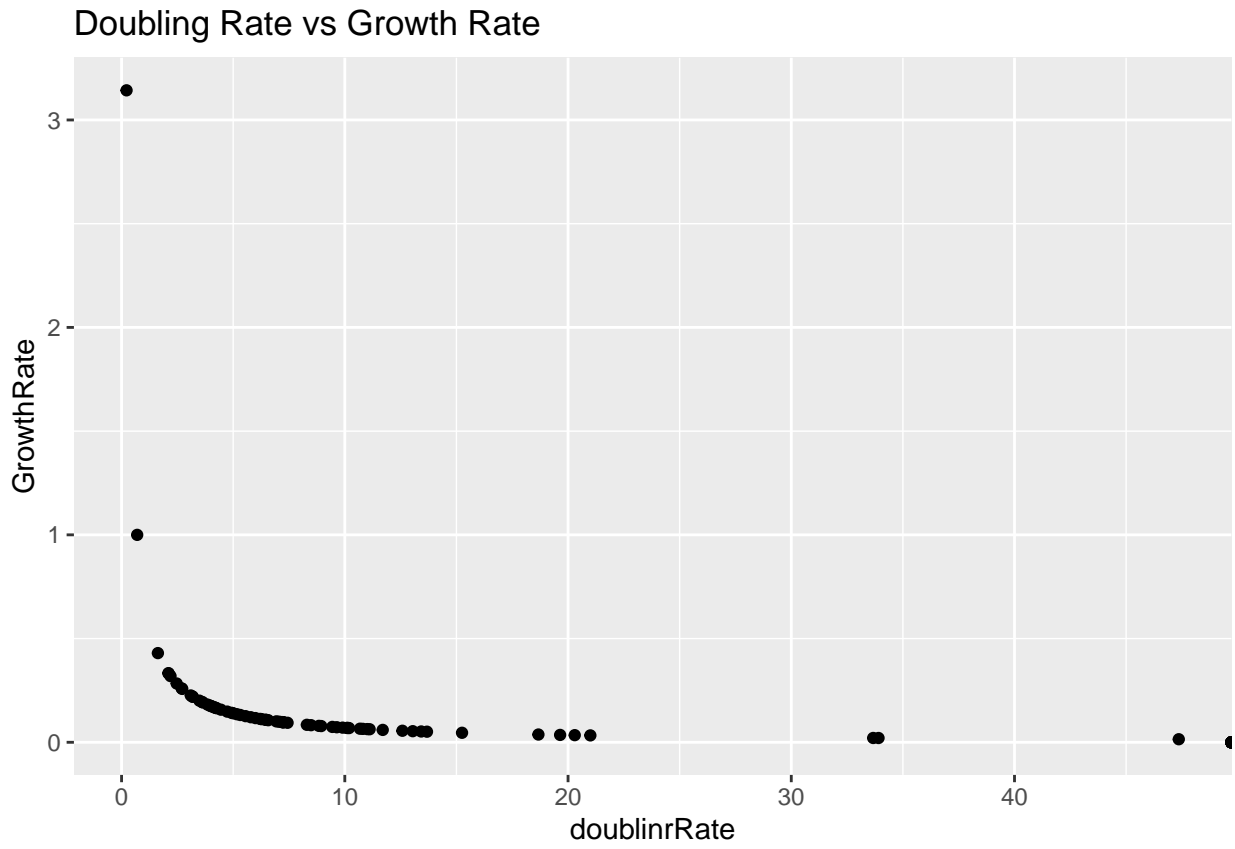


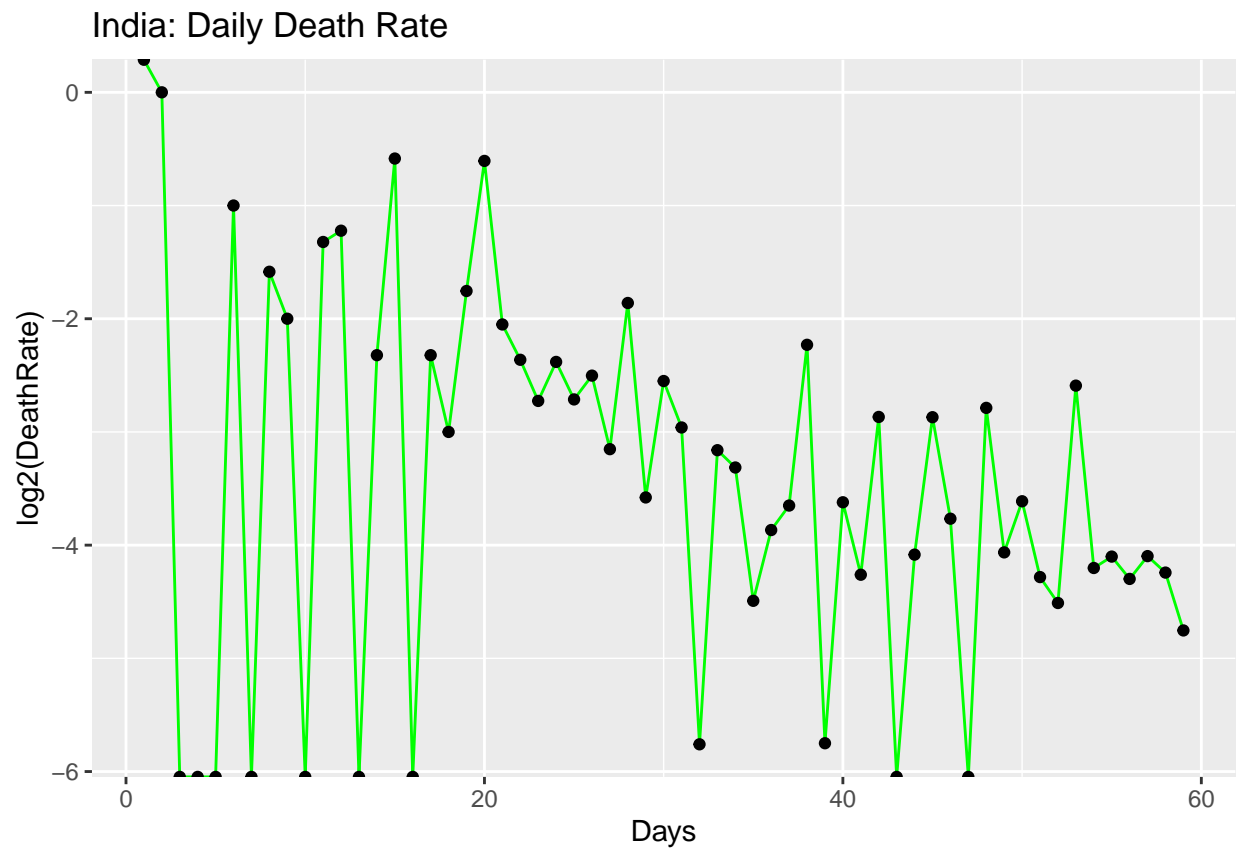


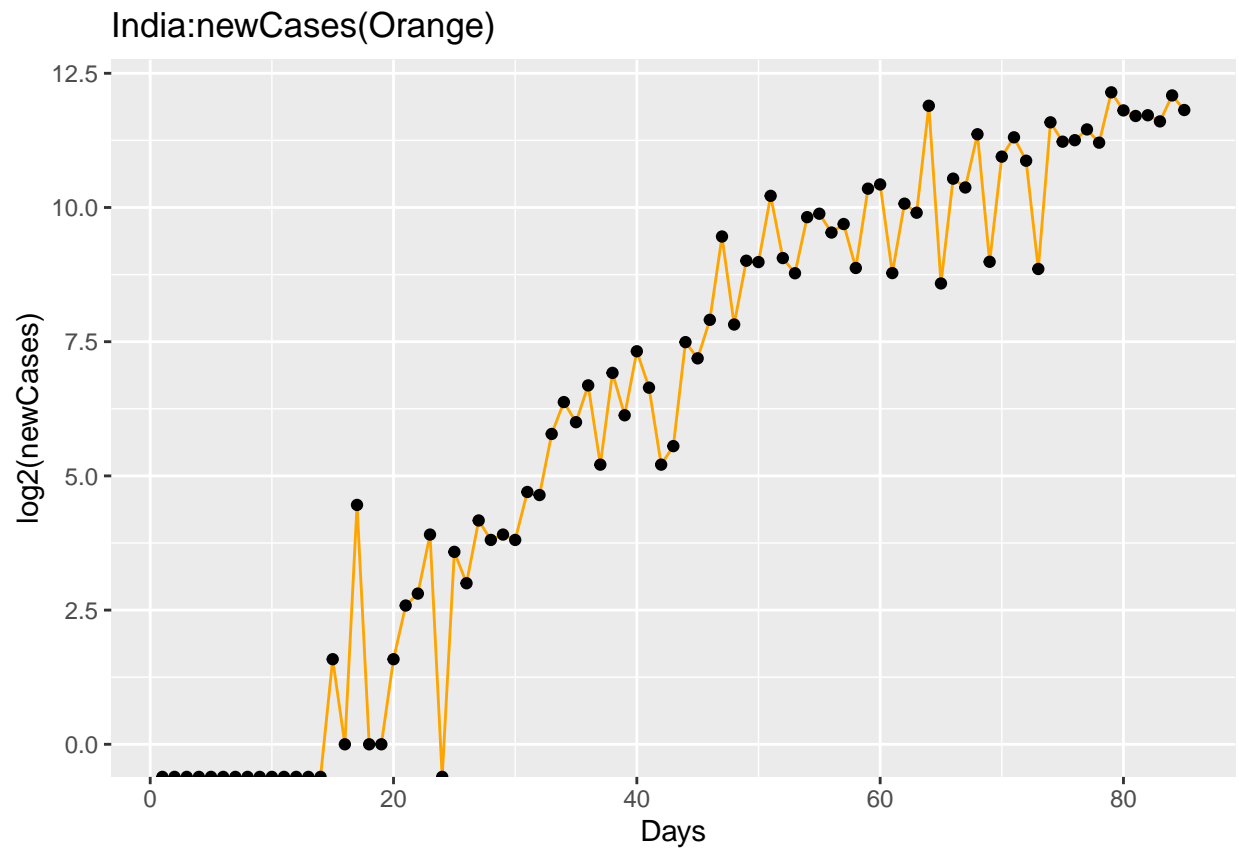




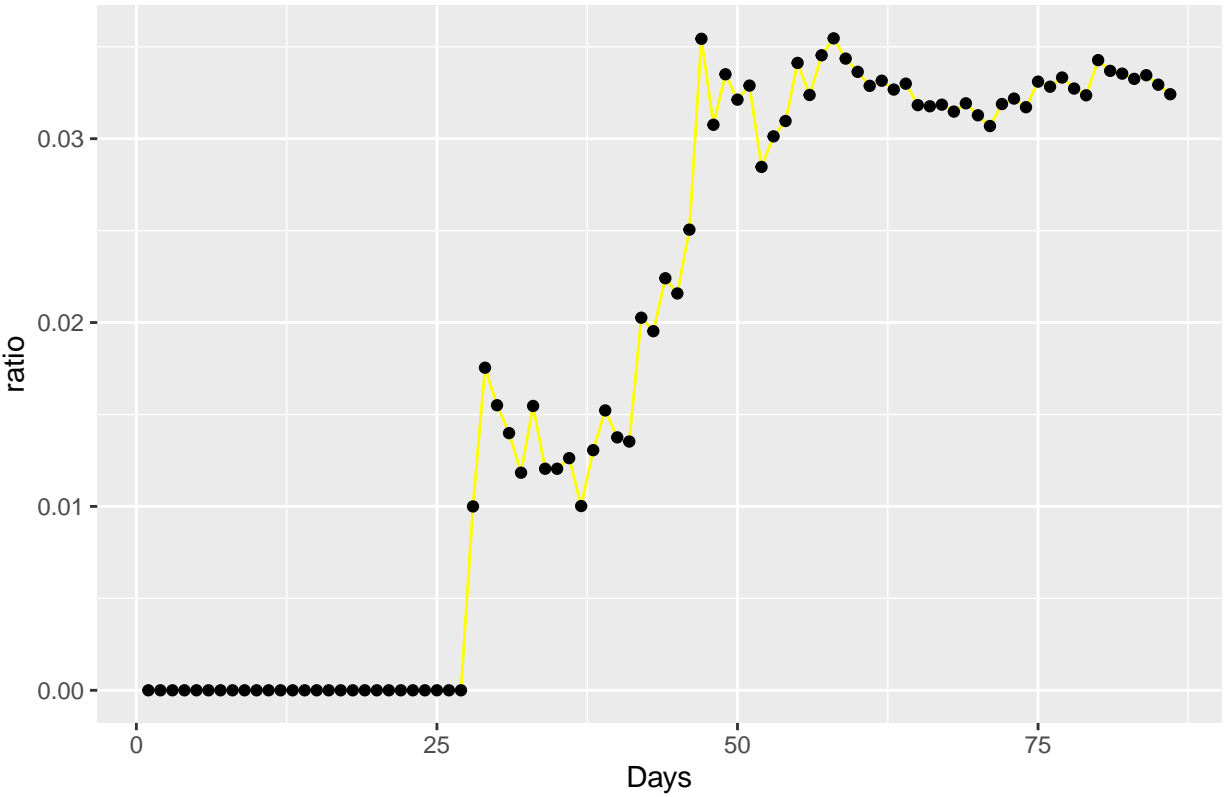


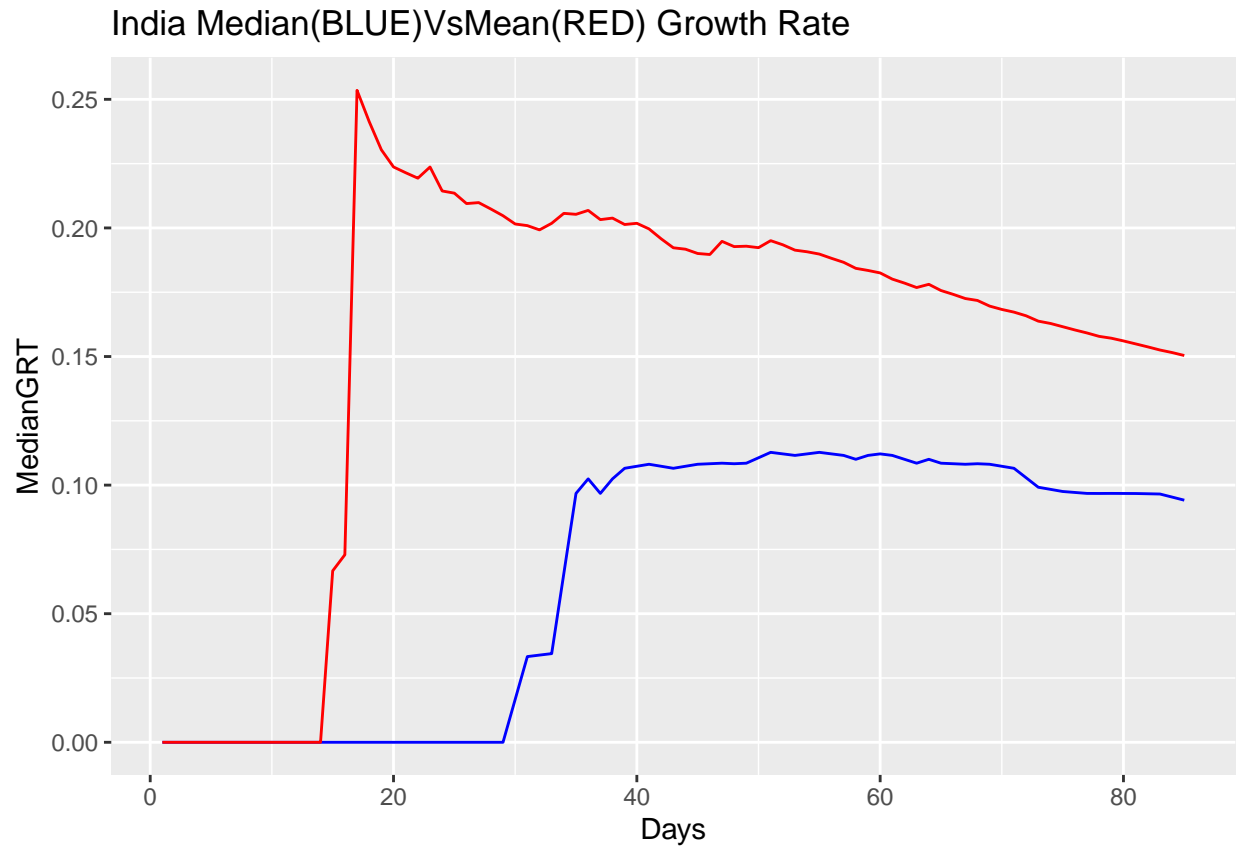






India: TotalDeaths/TotalCases





#### Results:

- Tomorrow's predicted case number is between  $7.4562398 \times 10^4$  and  $8.1407332 \times 10^4$  cases.
- Current doubling rate is **13 days**
- Mean doubling rate, i.e number of cases doubles every **5 days**.
- Median doubling rate, i.e number of cases doubles every **7 days**.
- Latest Observed Growth Rate **5.3662096** percent.
- Mean Growth Rate: **15.0389766** percent.
- Median Growth Rate: **9.4141249** percent.
- Standard deviation: +/- **35.4153785**.