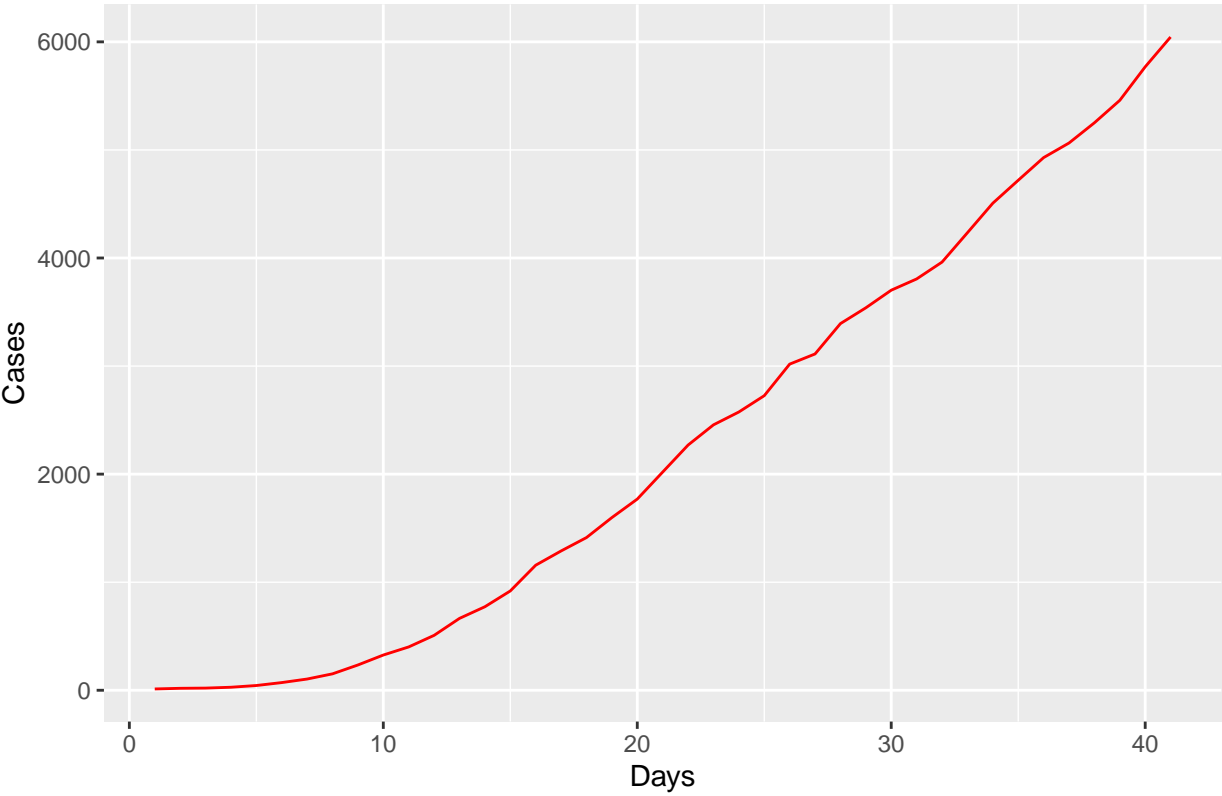


# Arizona/US/India Corona Trends- 24th April 2020 with tomorrow's prediction

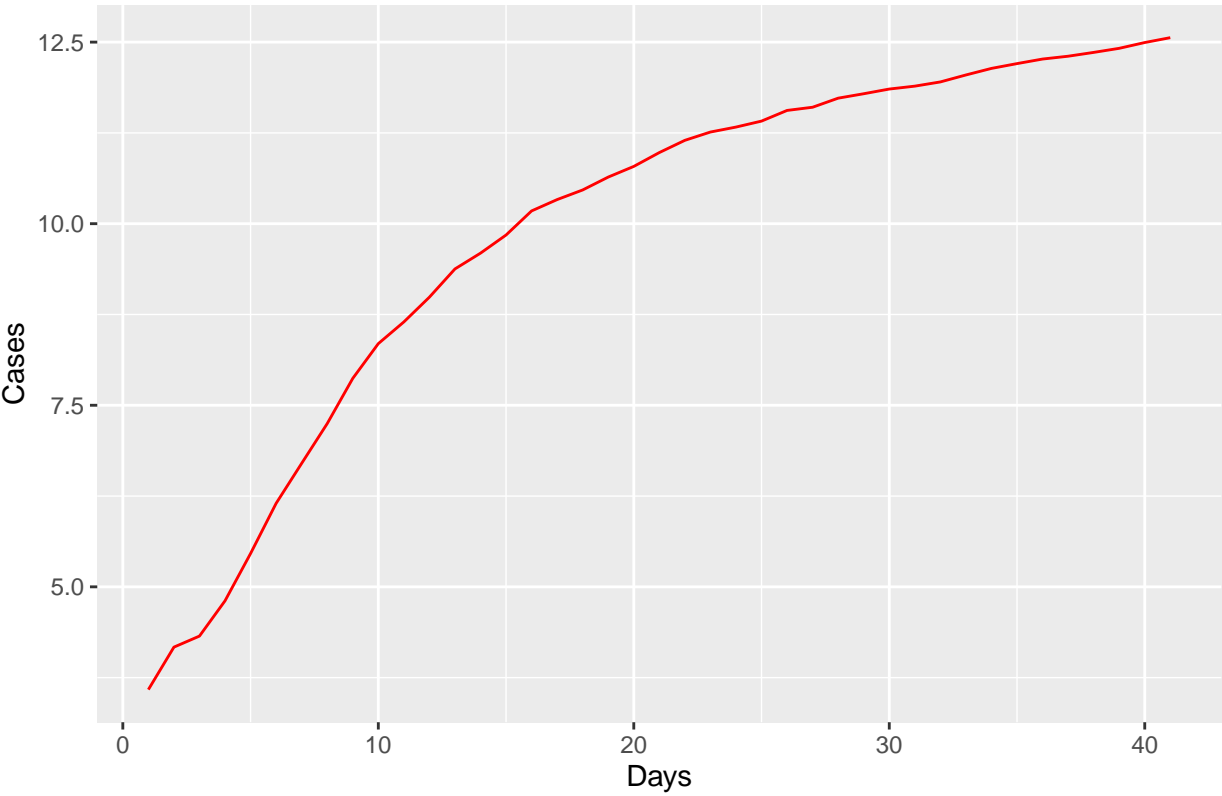
Whitchurch Muthumani

4/24/2020

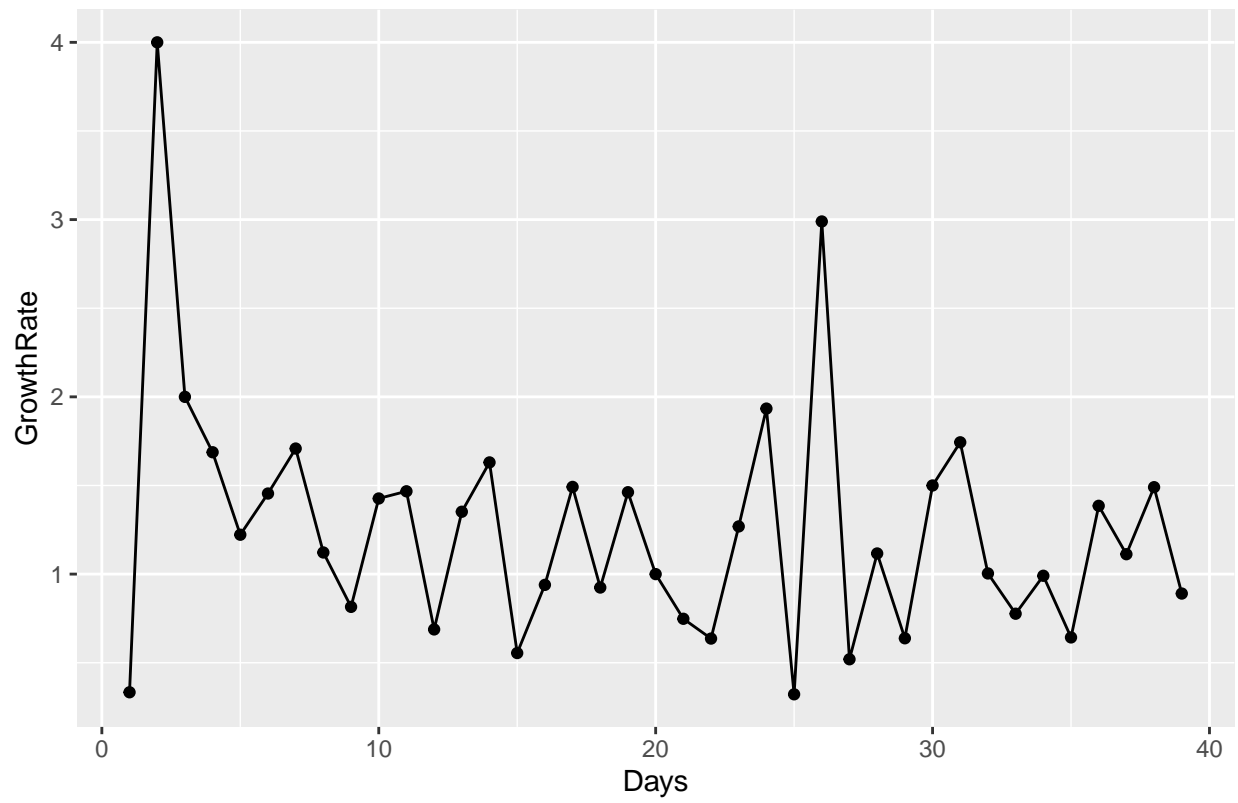
Arizona: Daily Cases



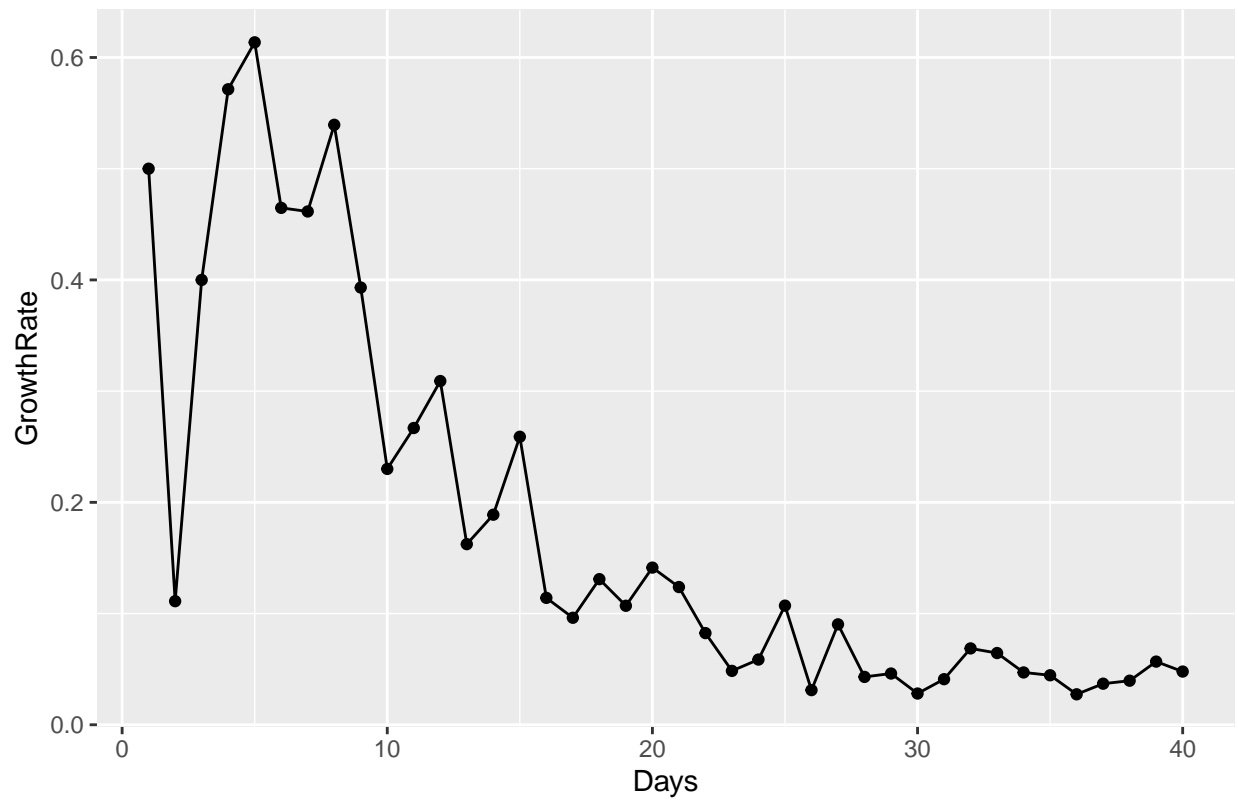
Arizona: Daily Cases

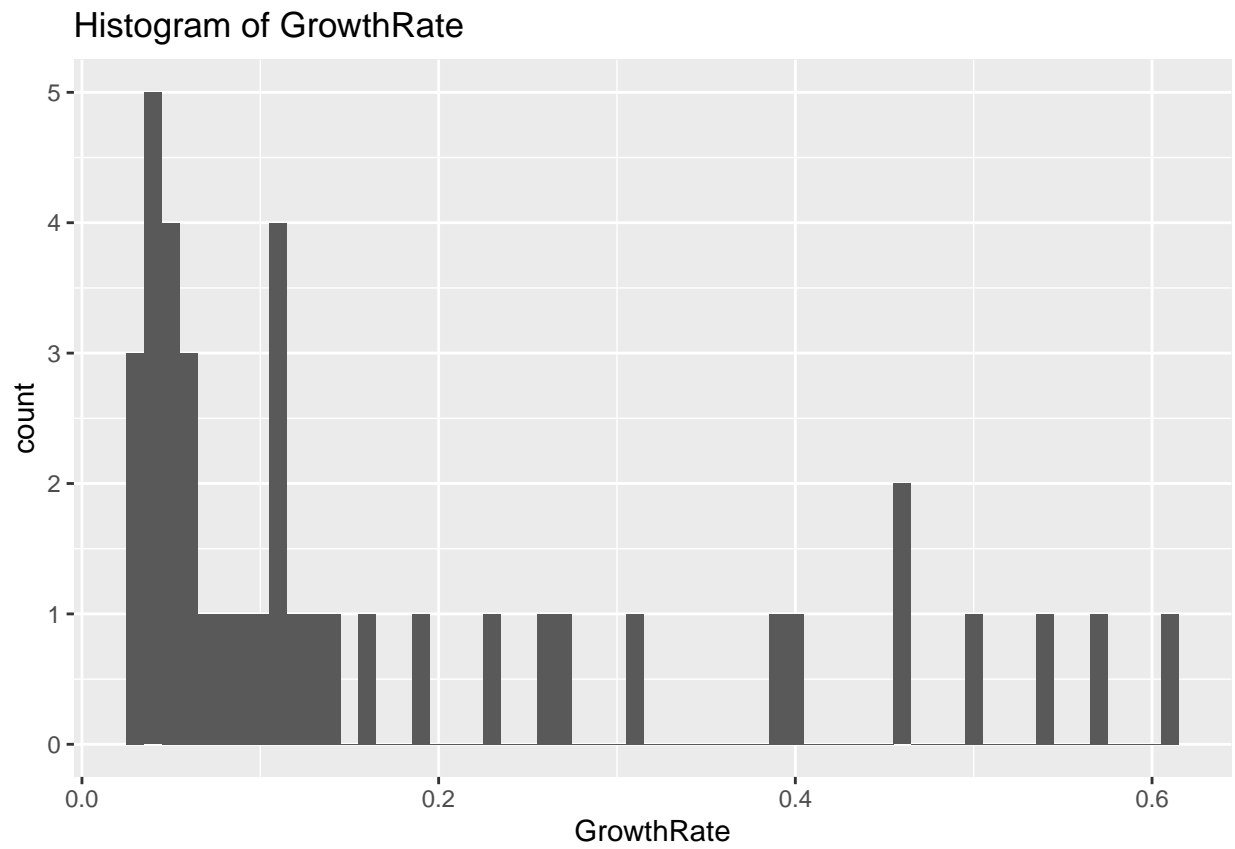


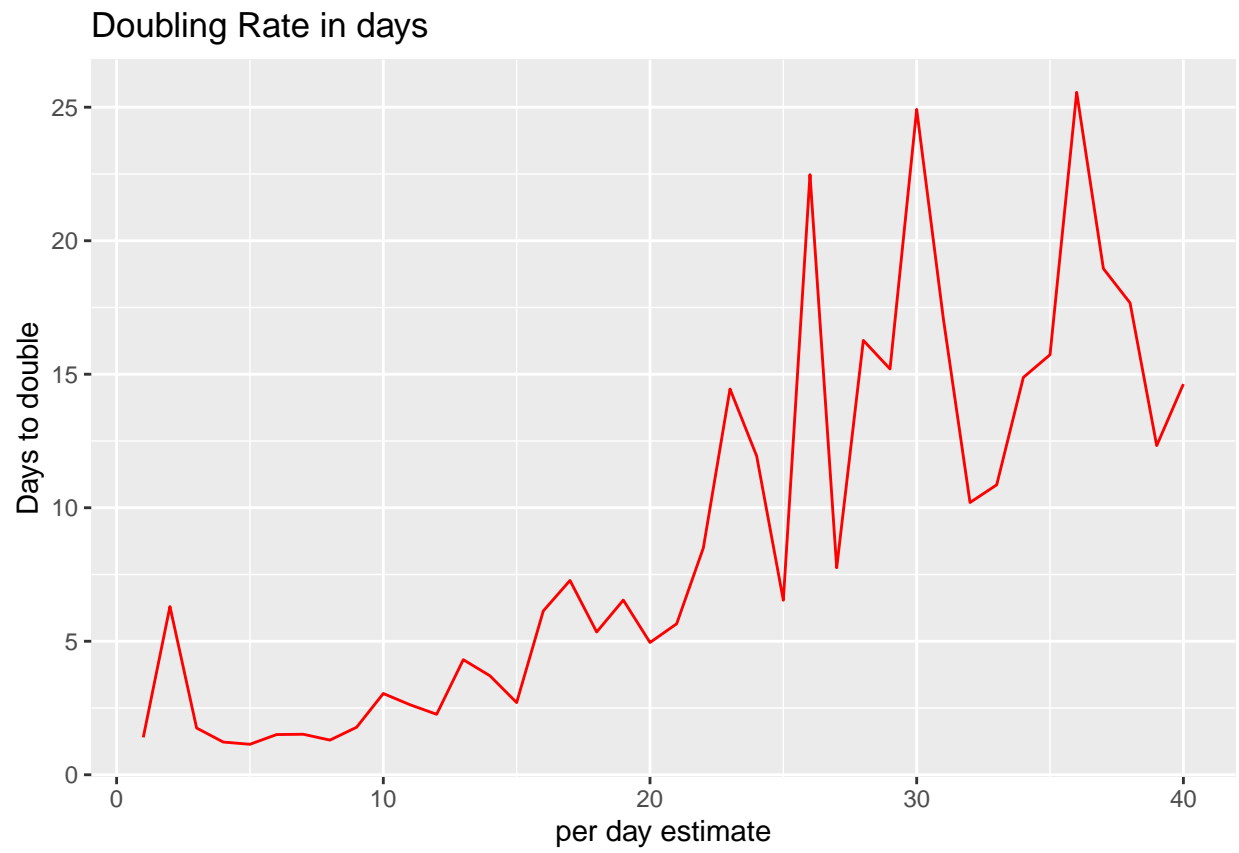
Arizona: Rate of change in Growth Rate

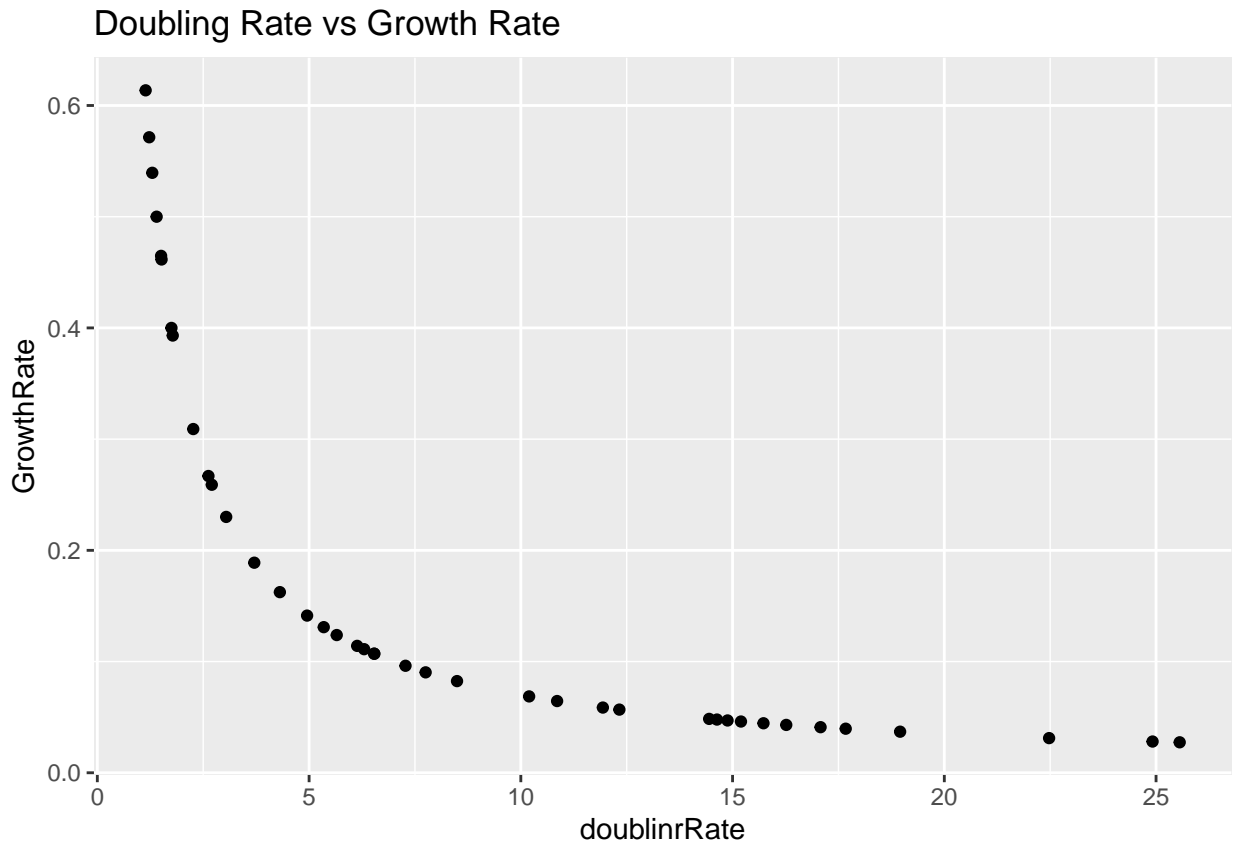


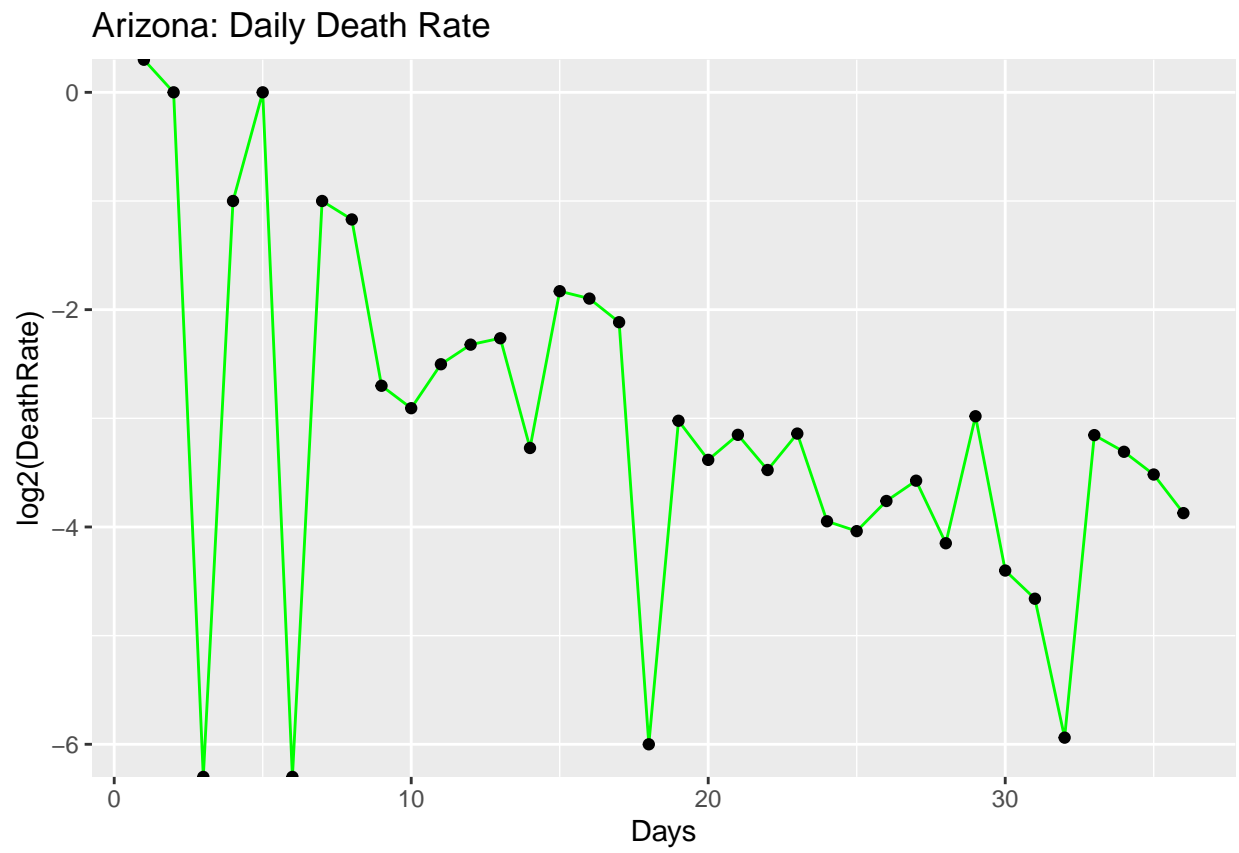
Arizona: Growth Rate



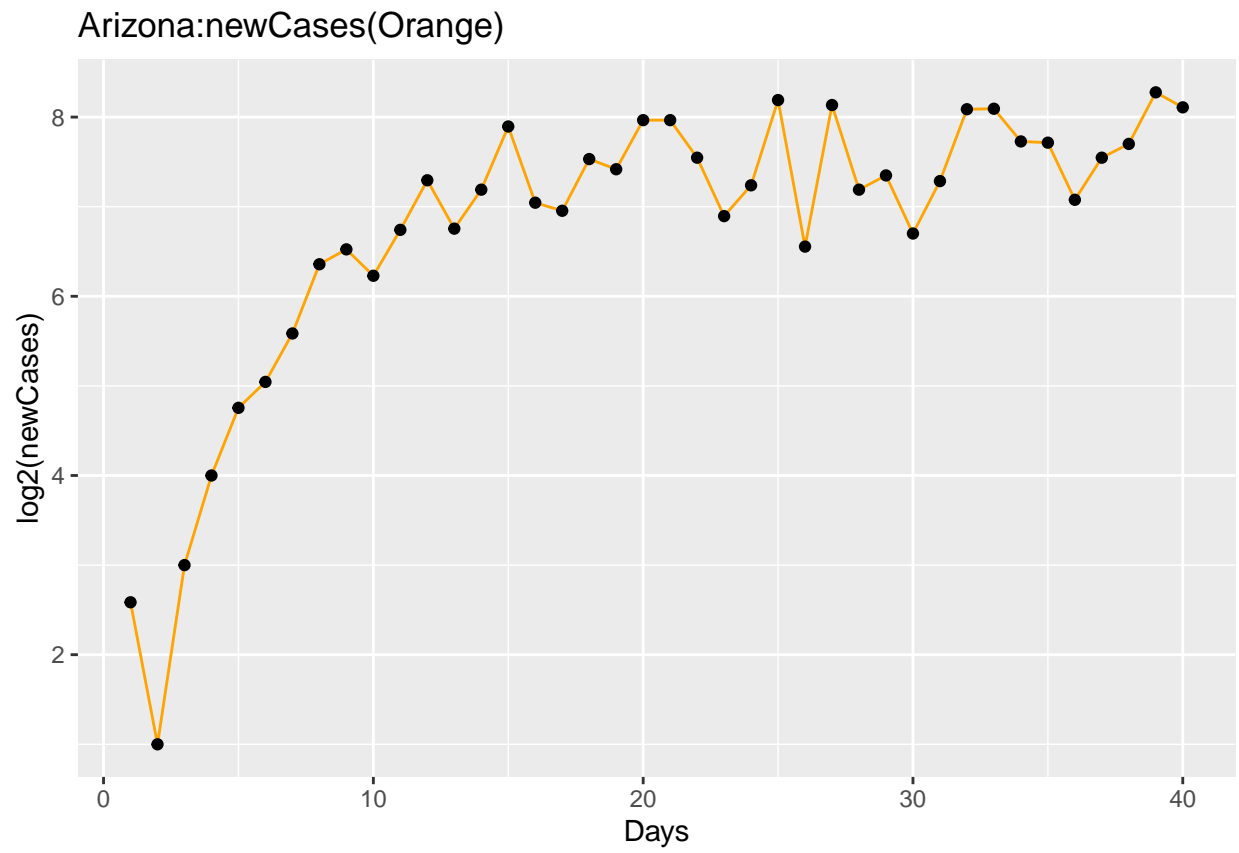




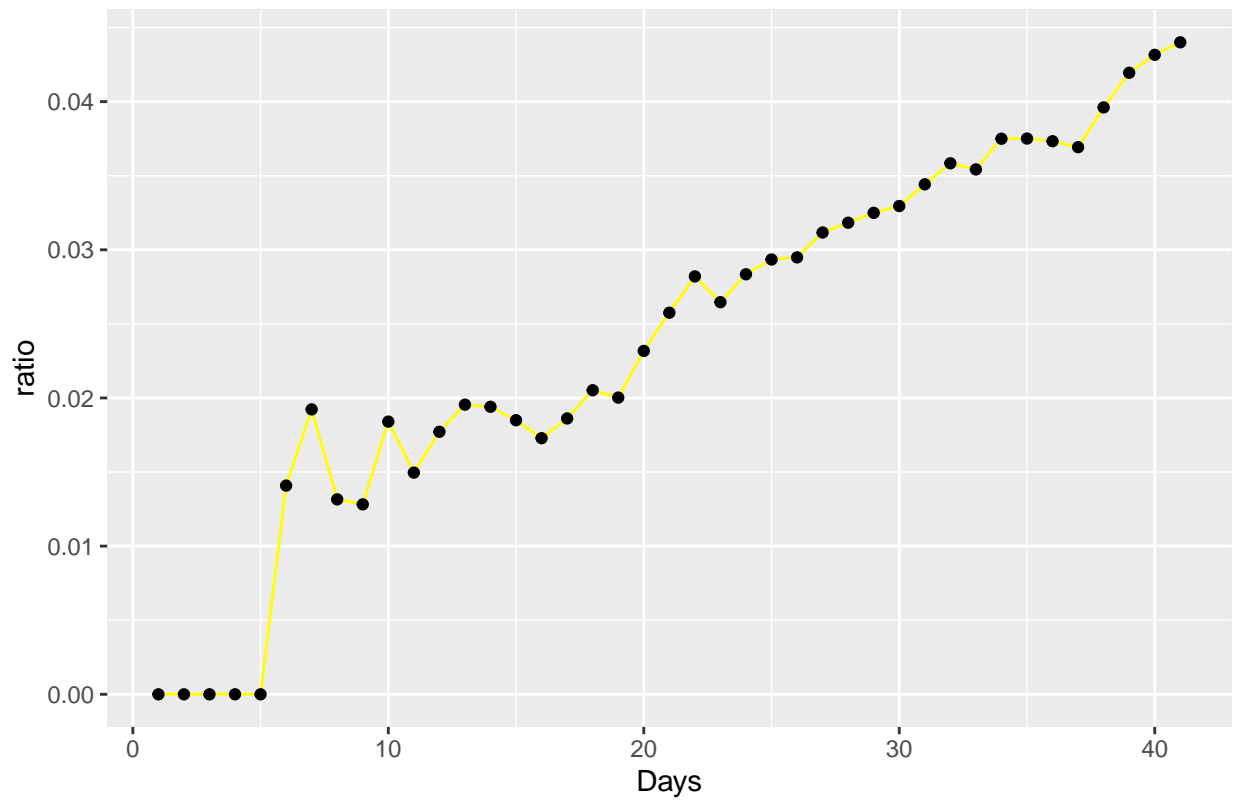


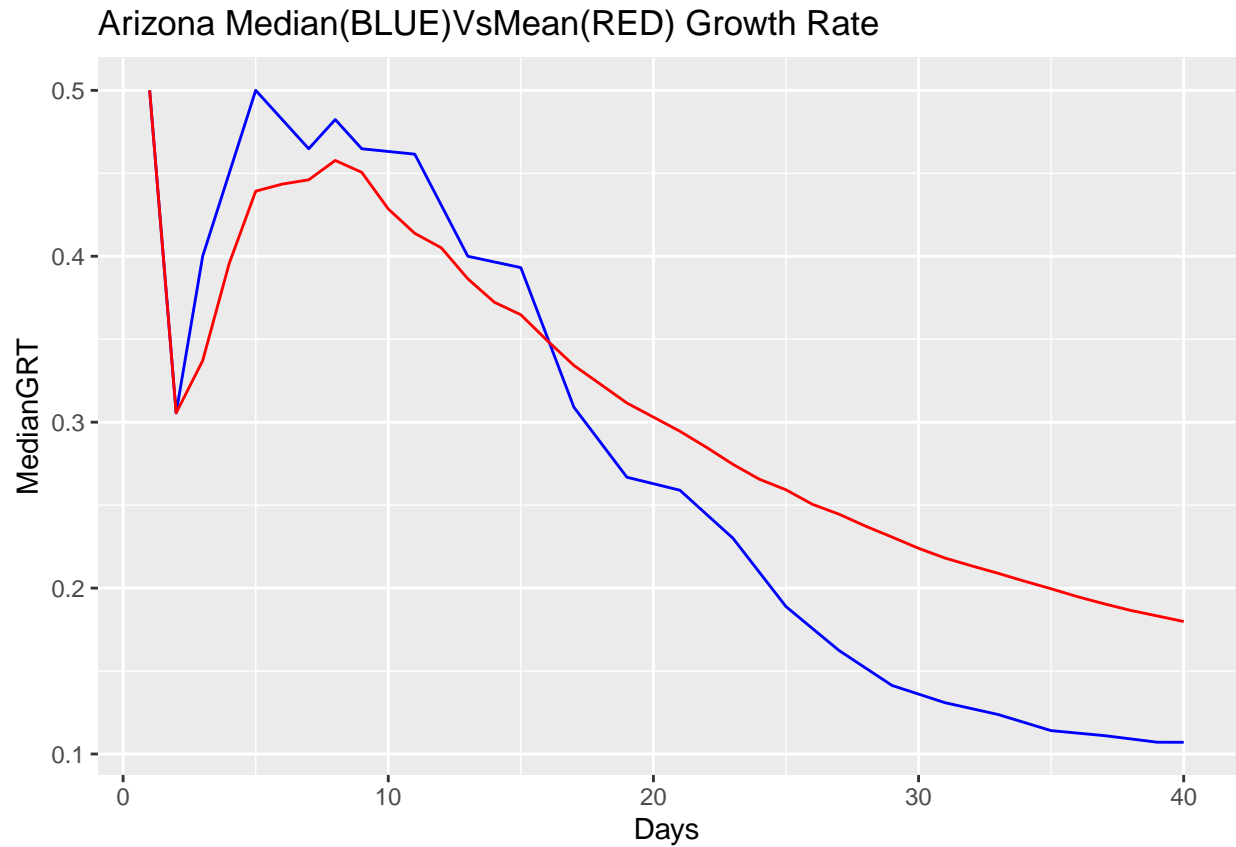






Arizona: TotalDeaths/TotalCases



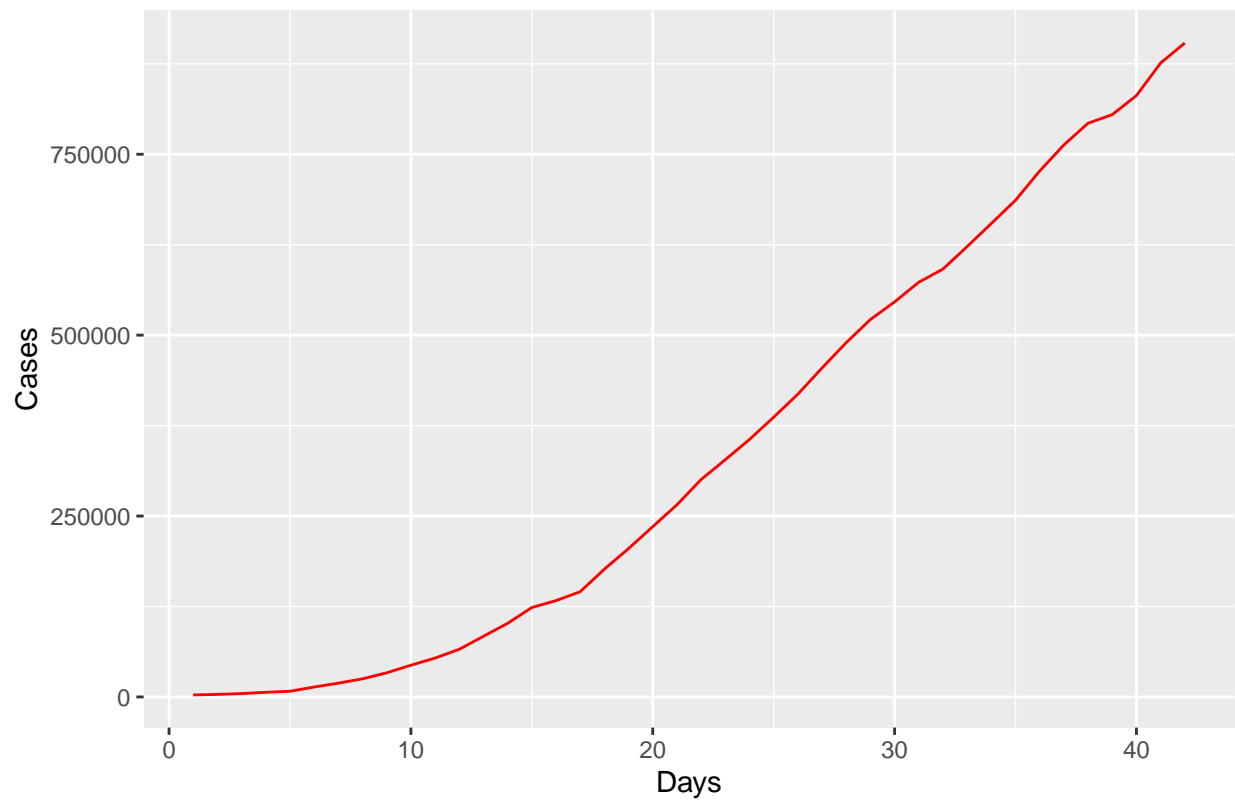


#### Results:

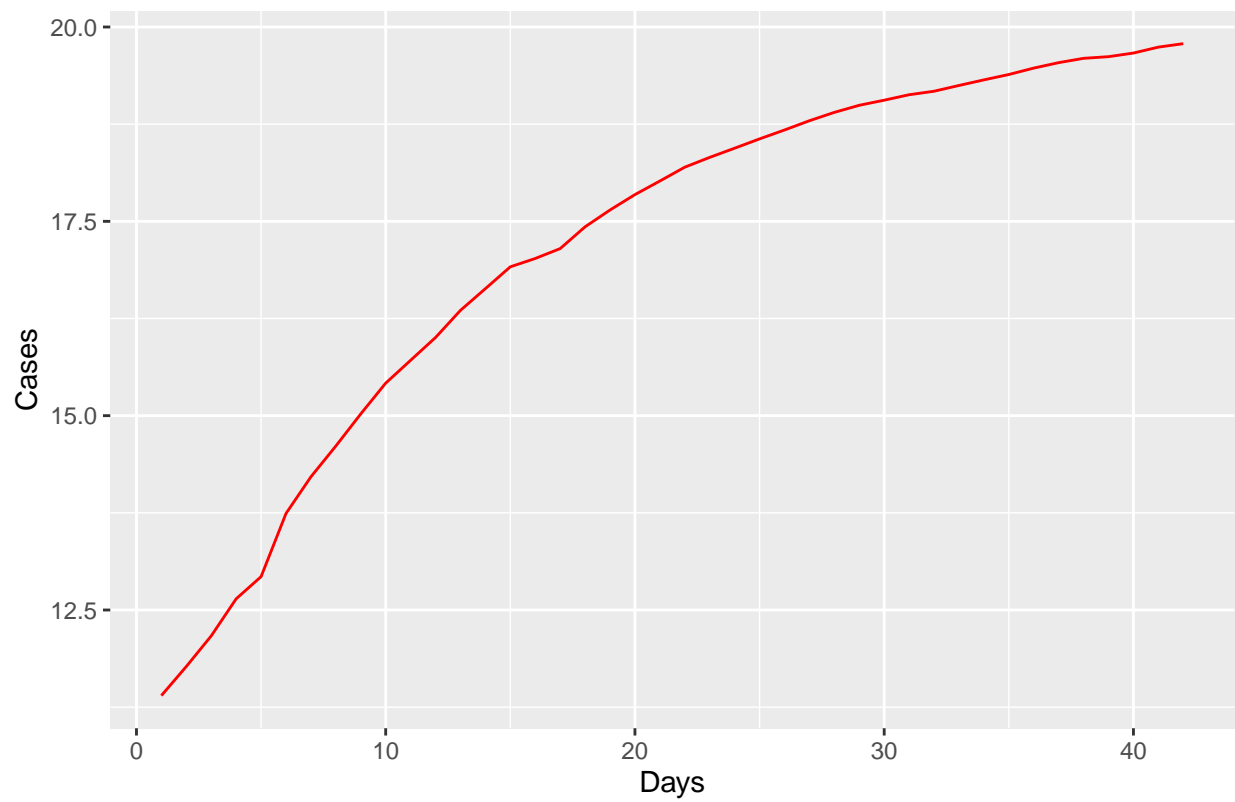
- Tomorrow's predicted case number is between **6334.2043682** and **7132.2200711** cases.
- Current doubling rate is **15 days**
- Mean doubling rate, i.e number of cases doubles every **4 days**.
- Median doubling rate, i.e number of cases doubles every **7 days**.
- Latest Observed Growth Rate **4.7841914** percent.
- Mean Growth Rate: **17.9854437** percent.
- Median Growth Rate: **10.7062708** percent.
- Standard deviation: +/- **17.5629499**.

## US Corona Dashboard

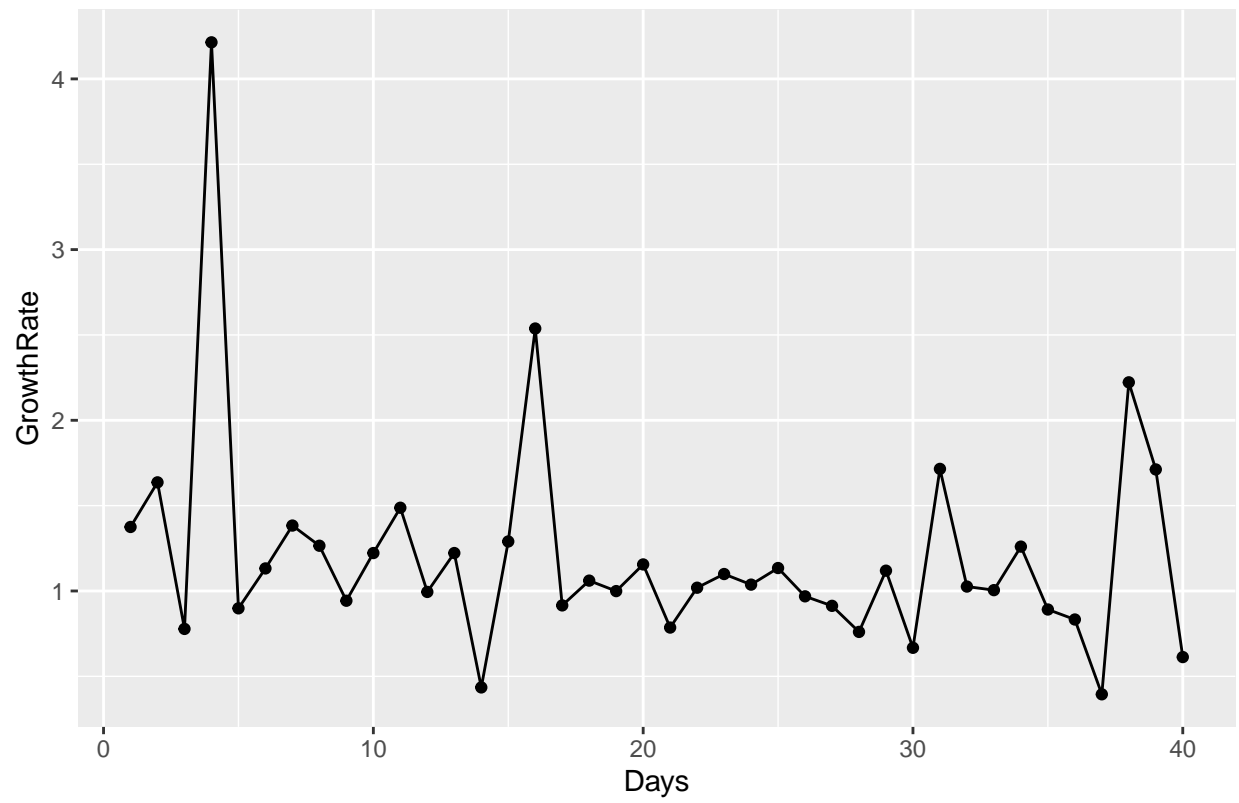
### US: Daily Cases



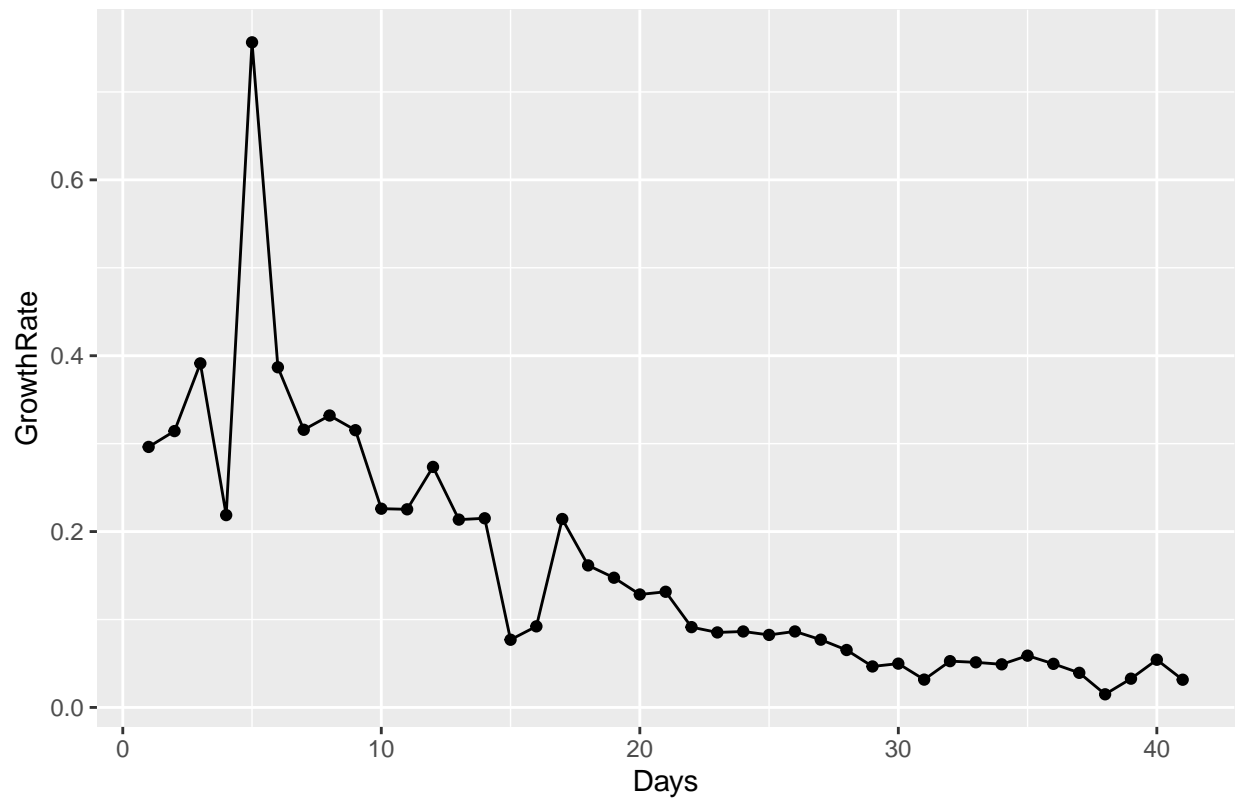
### US: Daily Cases

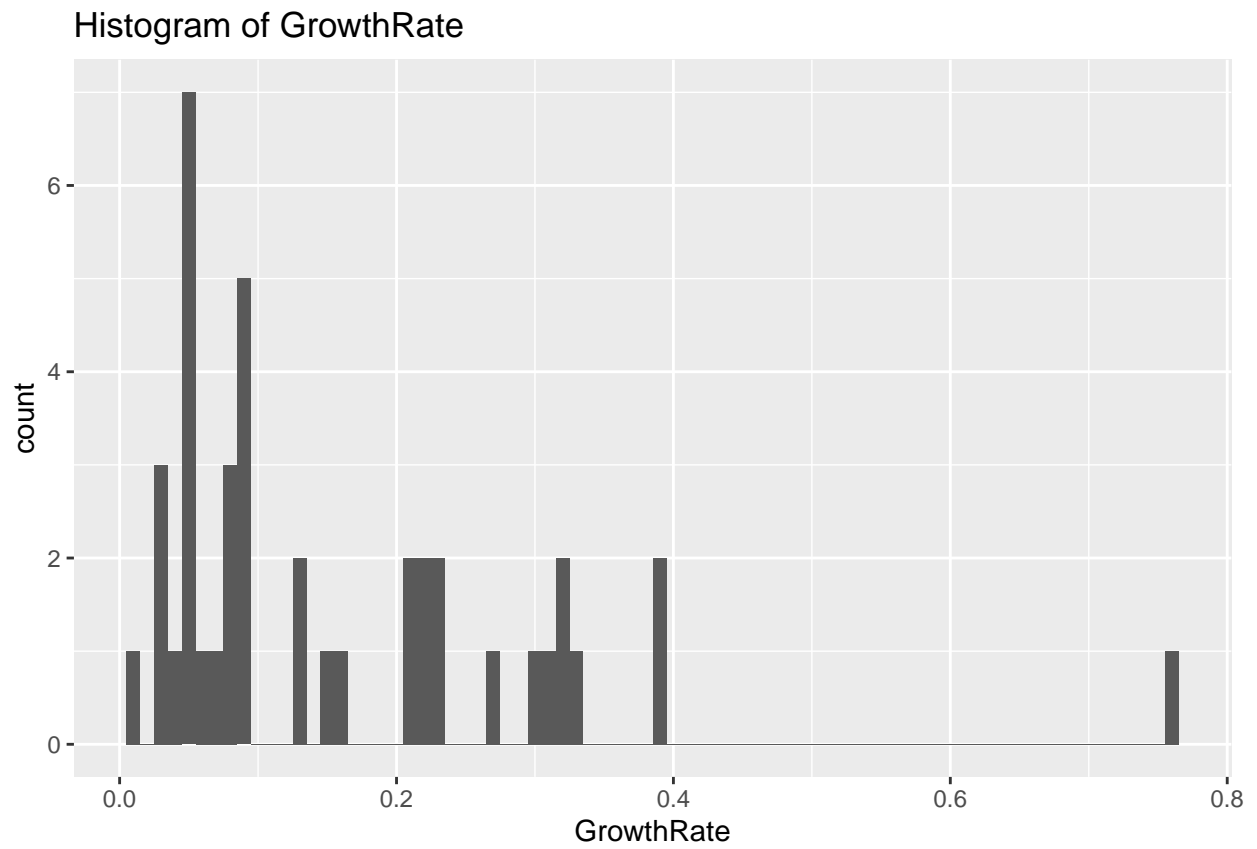


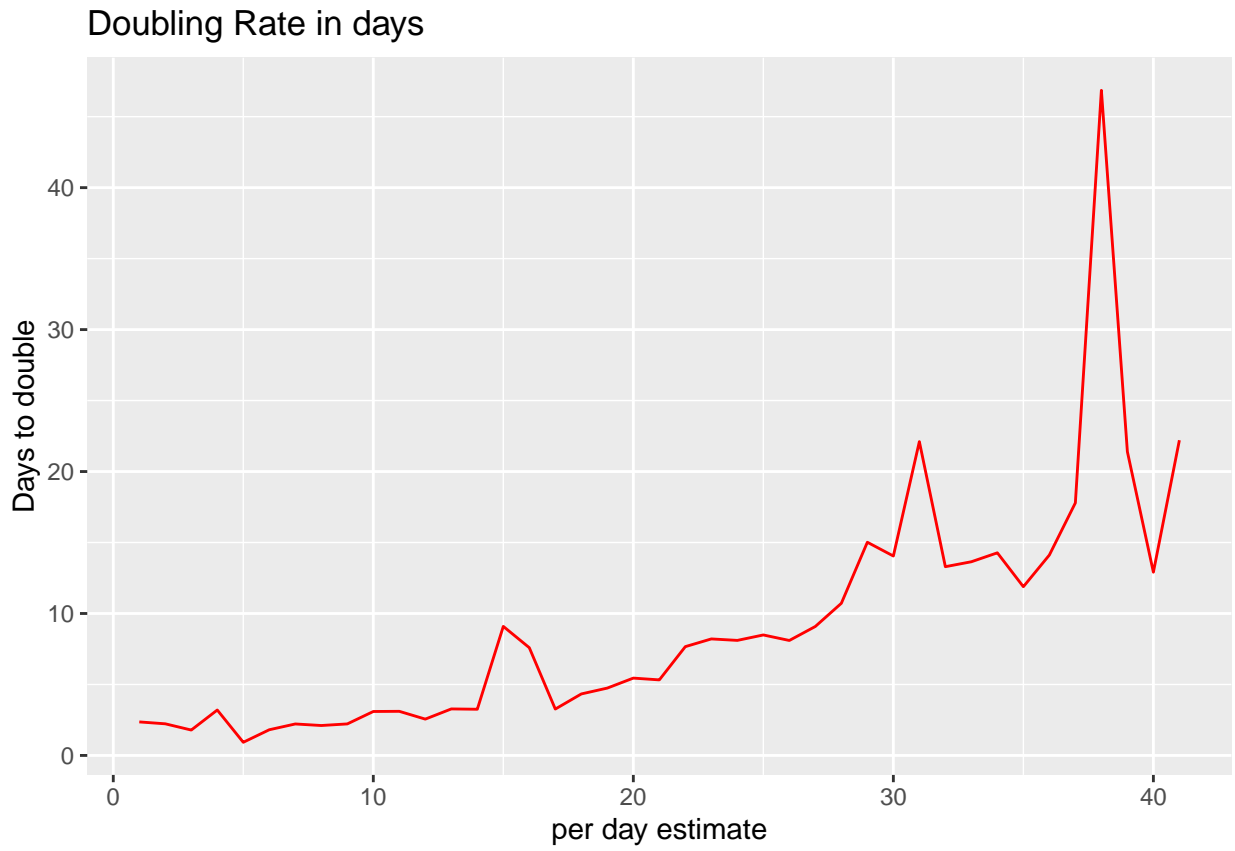
US: Rate of change in Growth Rate



US: Growth Rate

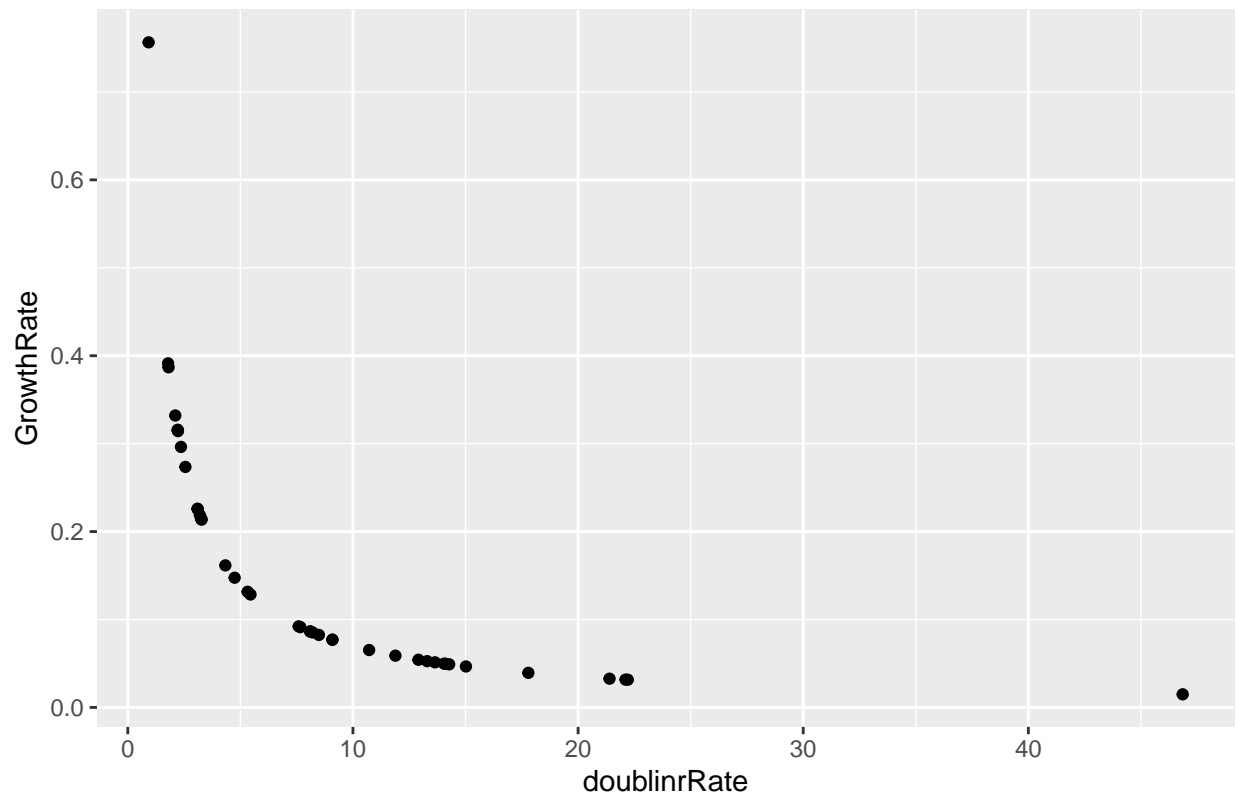




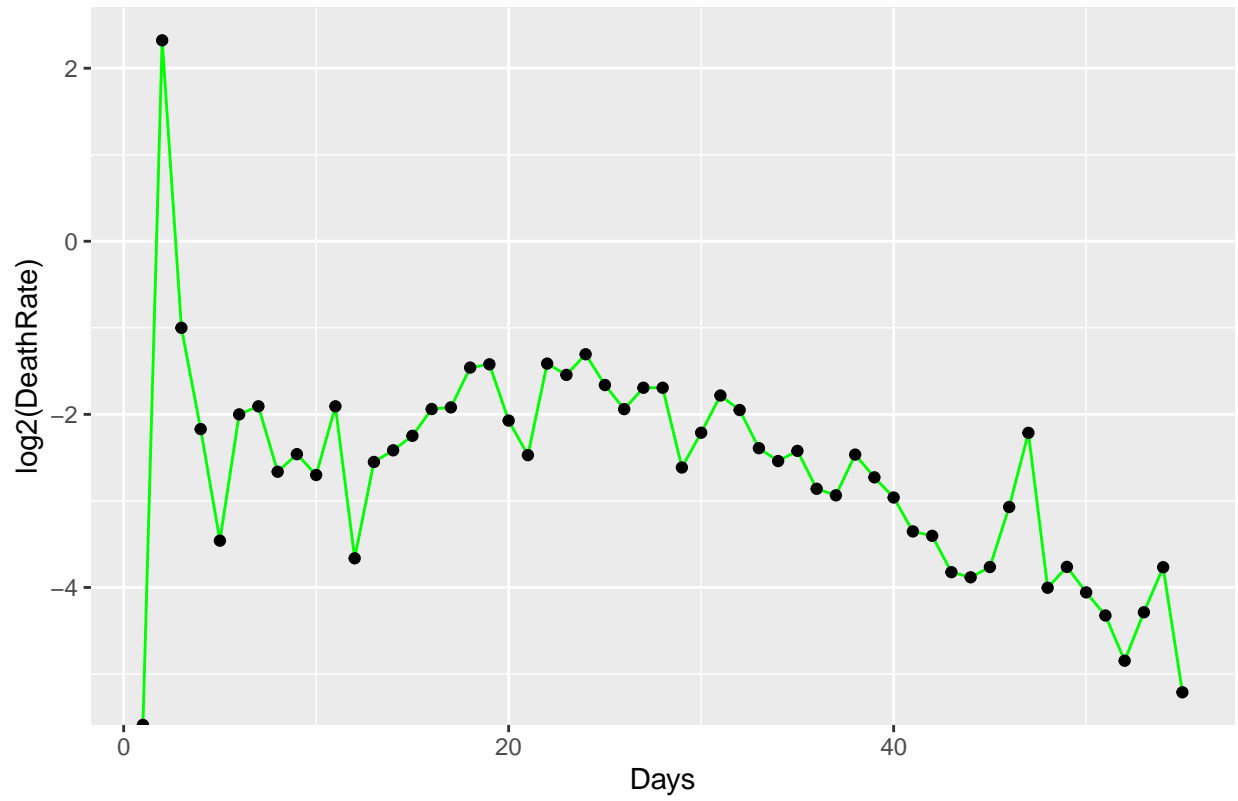


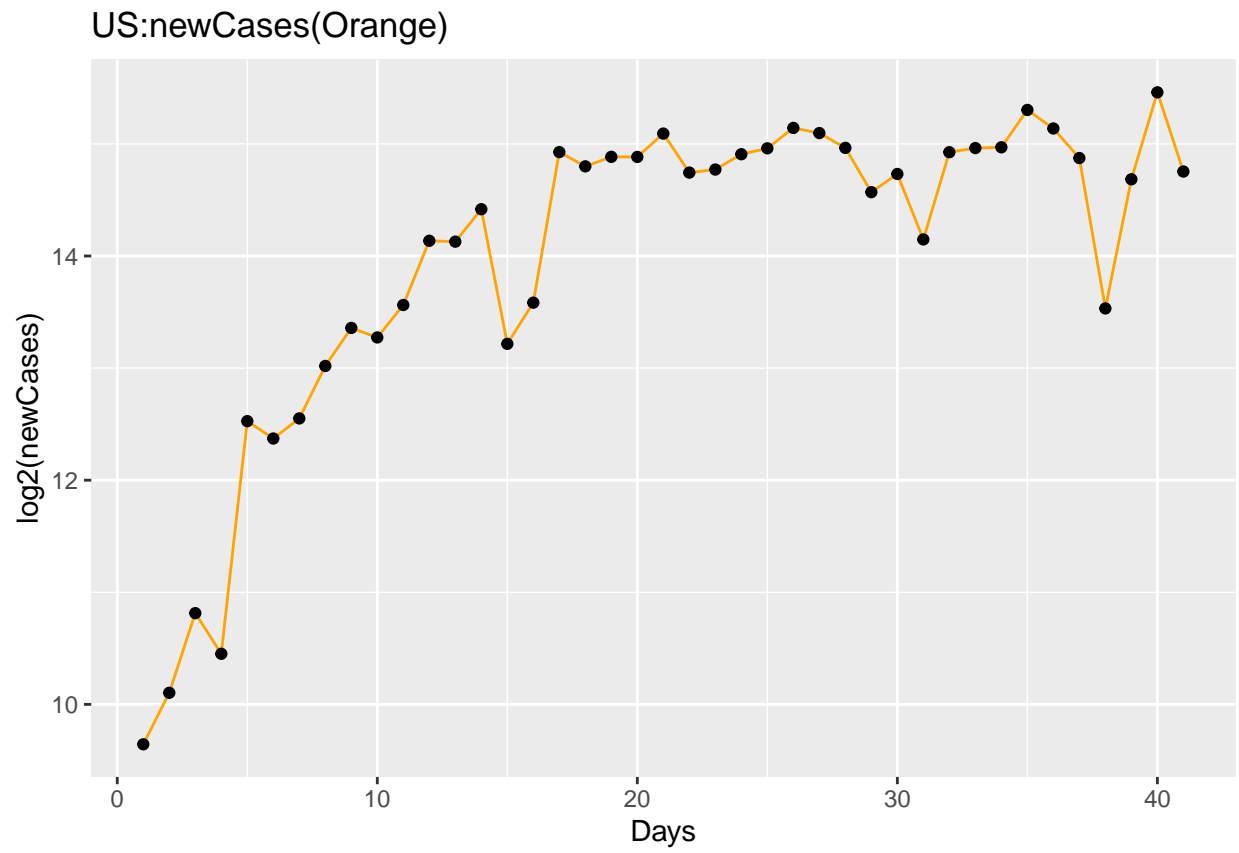


Doubling Rate vs Growth Rate

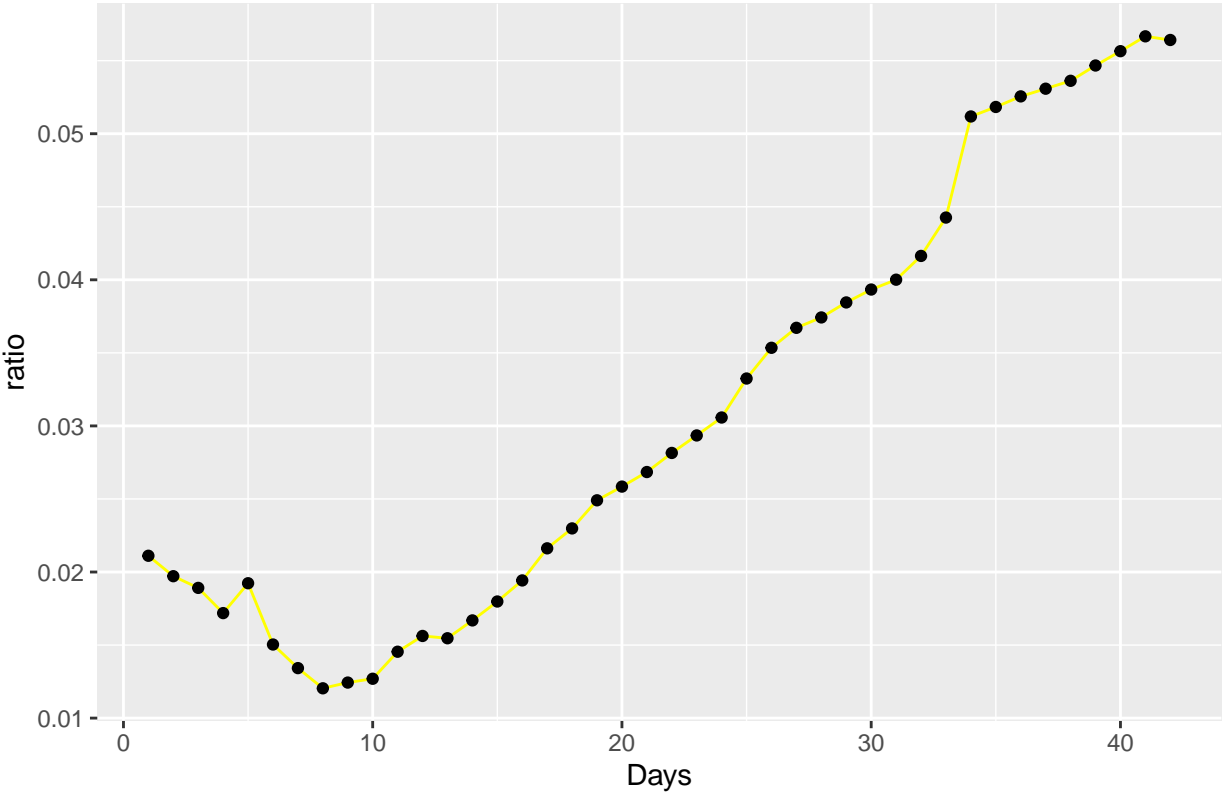


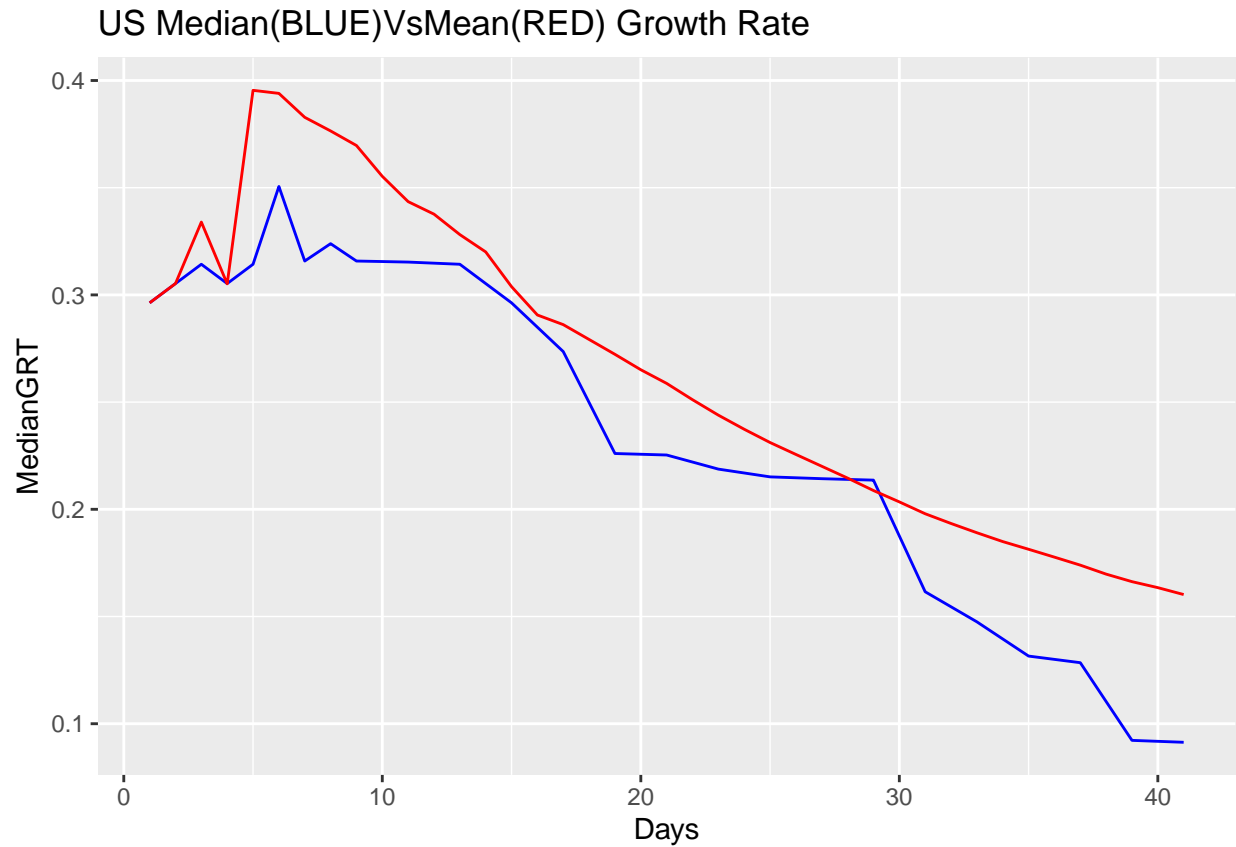
US: Daily Death Rate





US: TotalDeaths/TotalCases

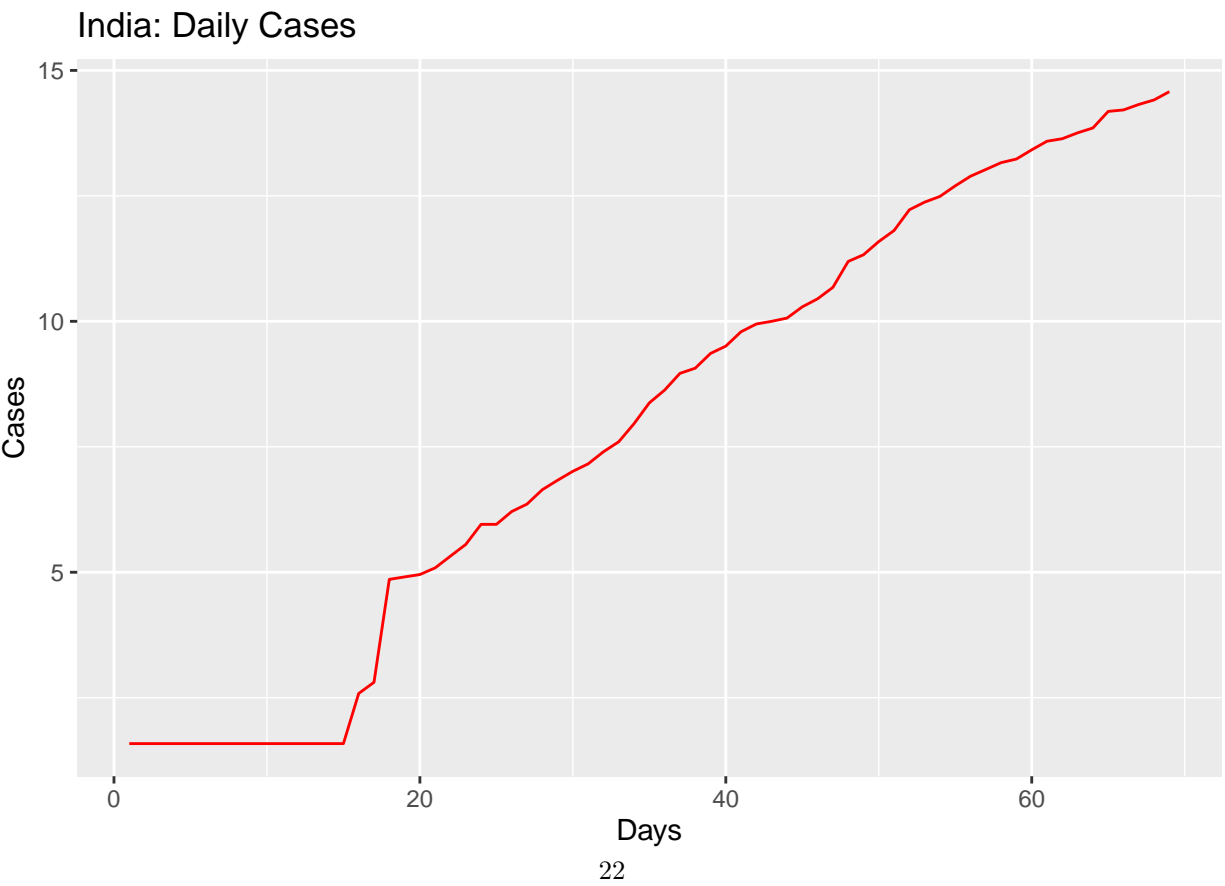
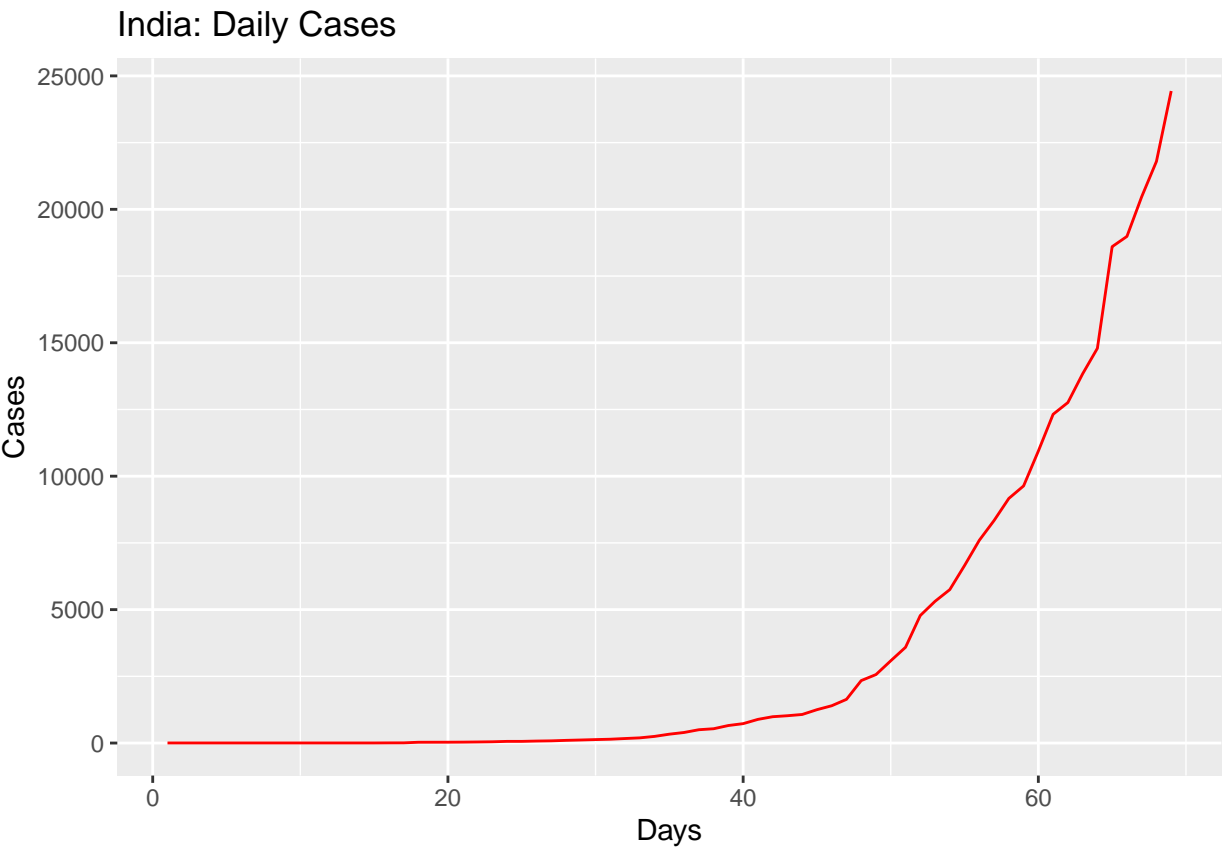




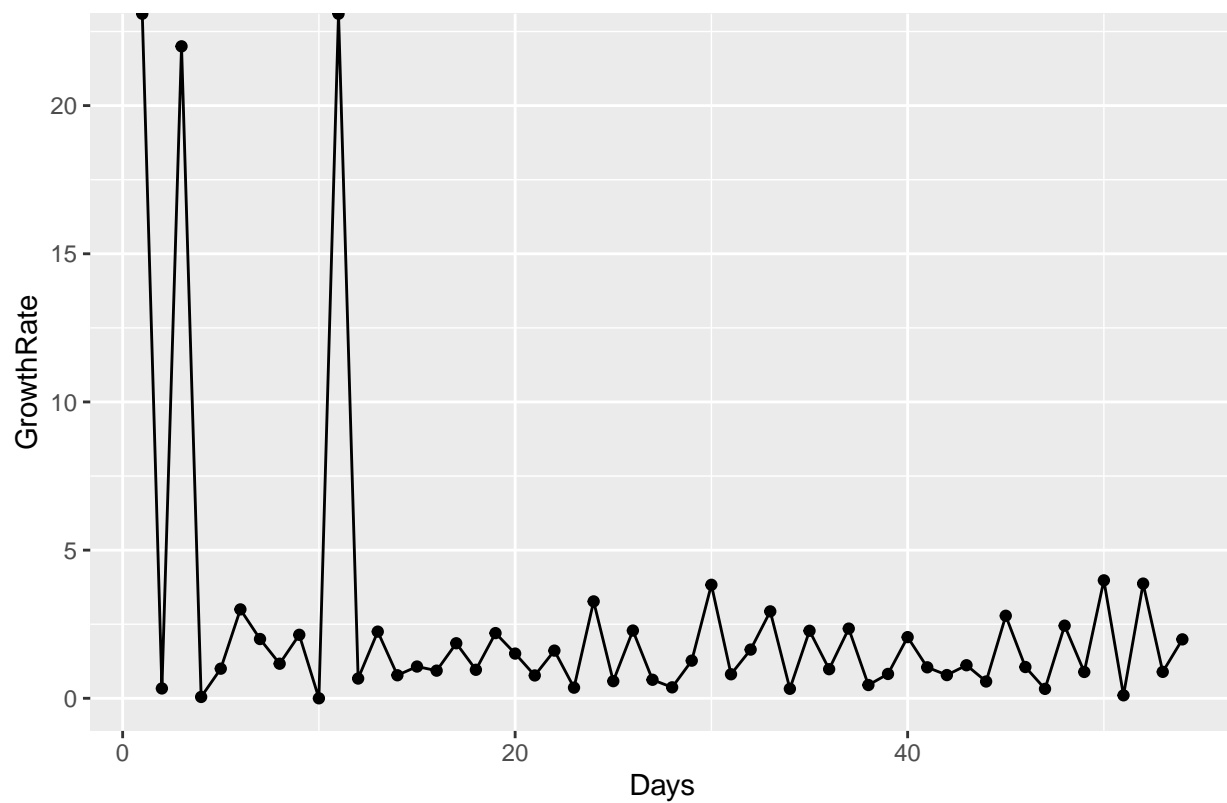
#### Results:

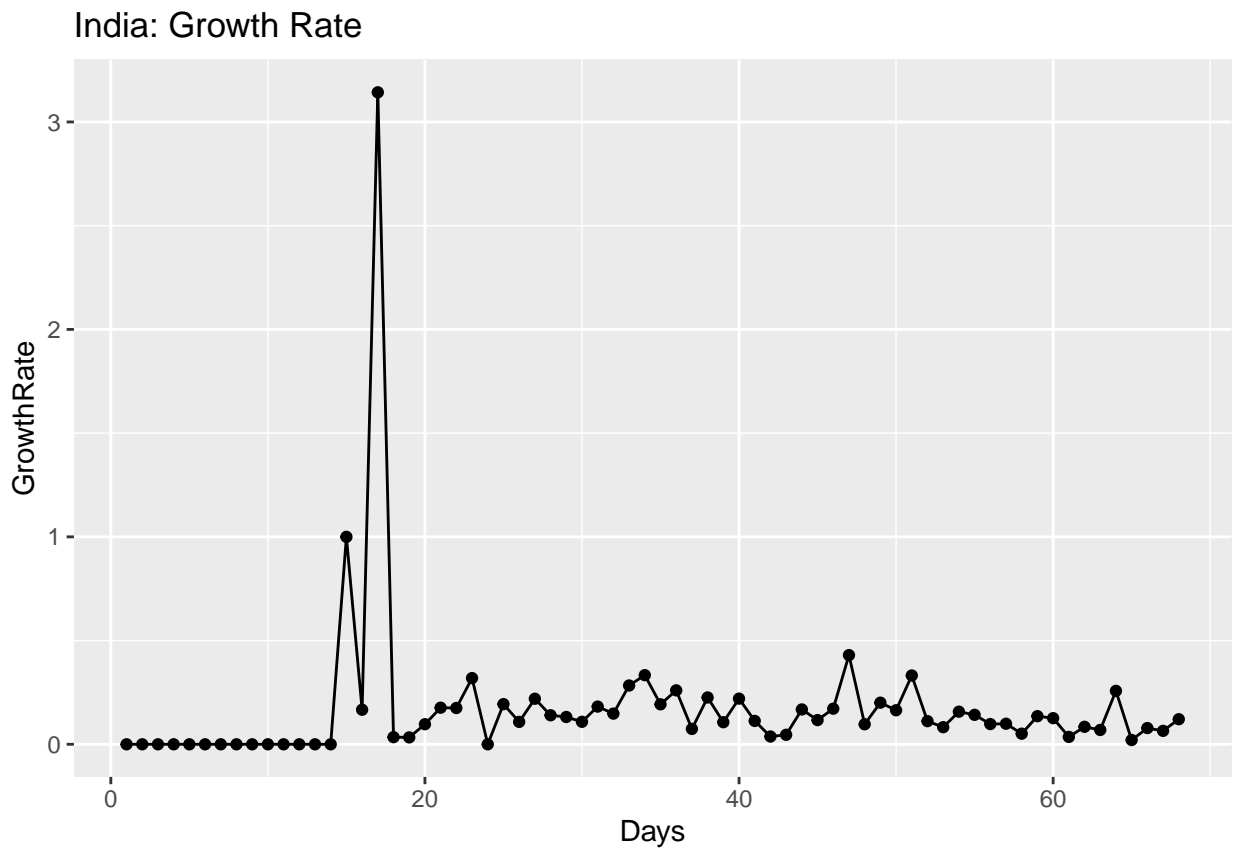
- Tomorrow's predicted case number is between  $9.3226463 \times 10^5$  and  $1.048595 \times 10^6$  cases.
- Current doubling rate is **22 days**
- Mean doubling rate, i.e number of cases doubles every **4 days**.
- Median doubling rate, i.e number of cases doubles every **8 days**.
- Latest Observed Growth Rate **3.1522925** percent.
- Mean Growth Rate: **16.0238989** percent.
- Median Growth Rate: **9.1331816** percent.
- Standard deviation: +/- **14.5801347**.

India Corona Dashboard

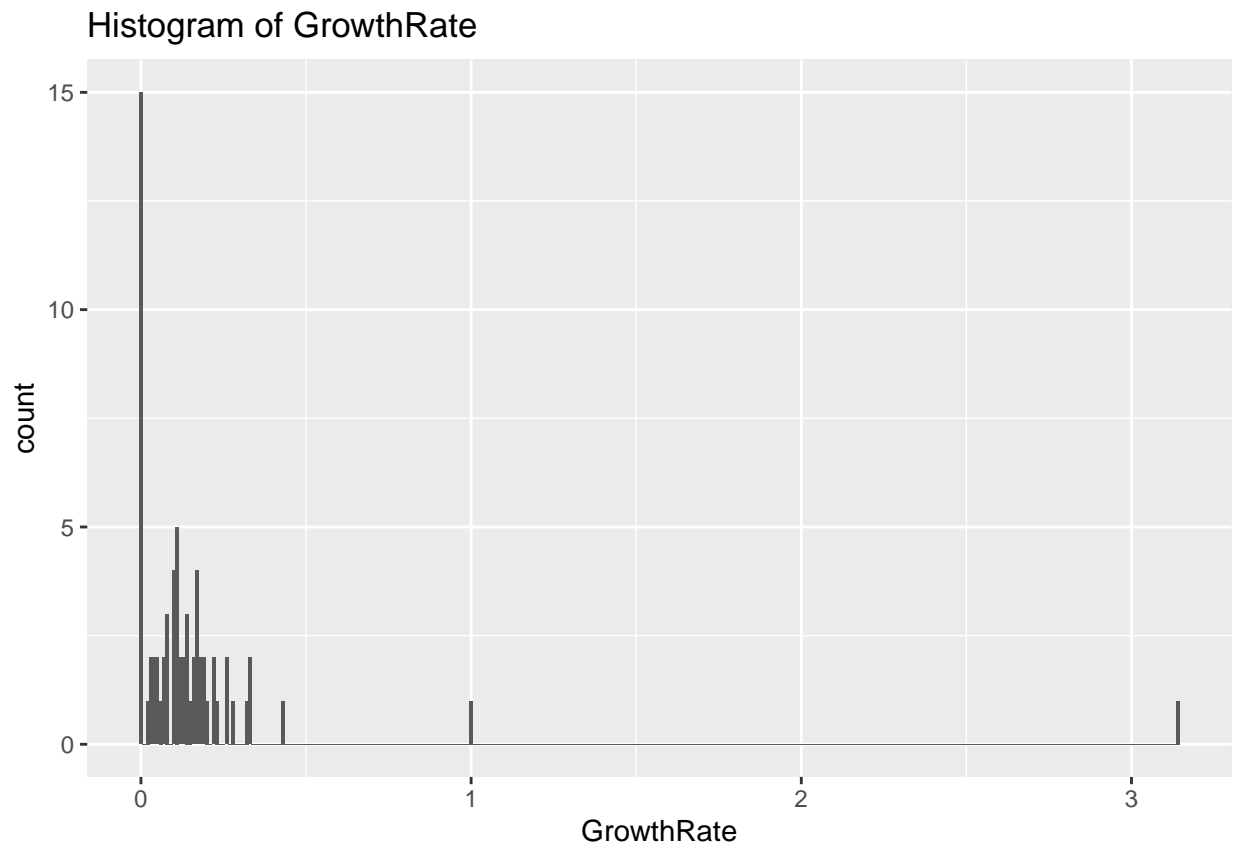


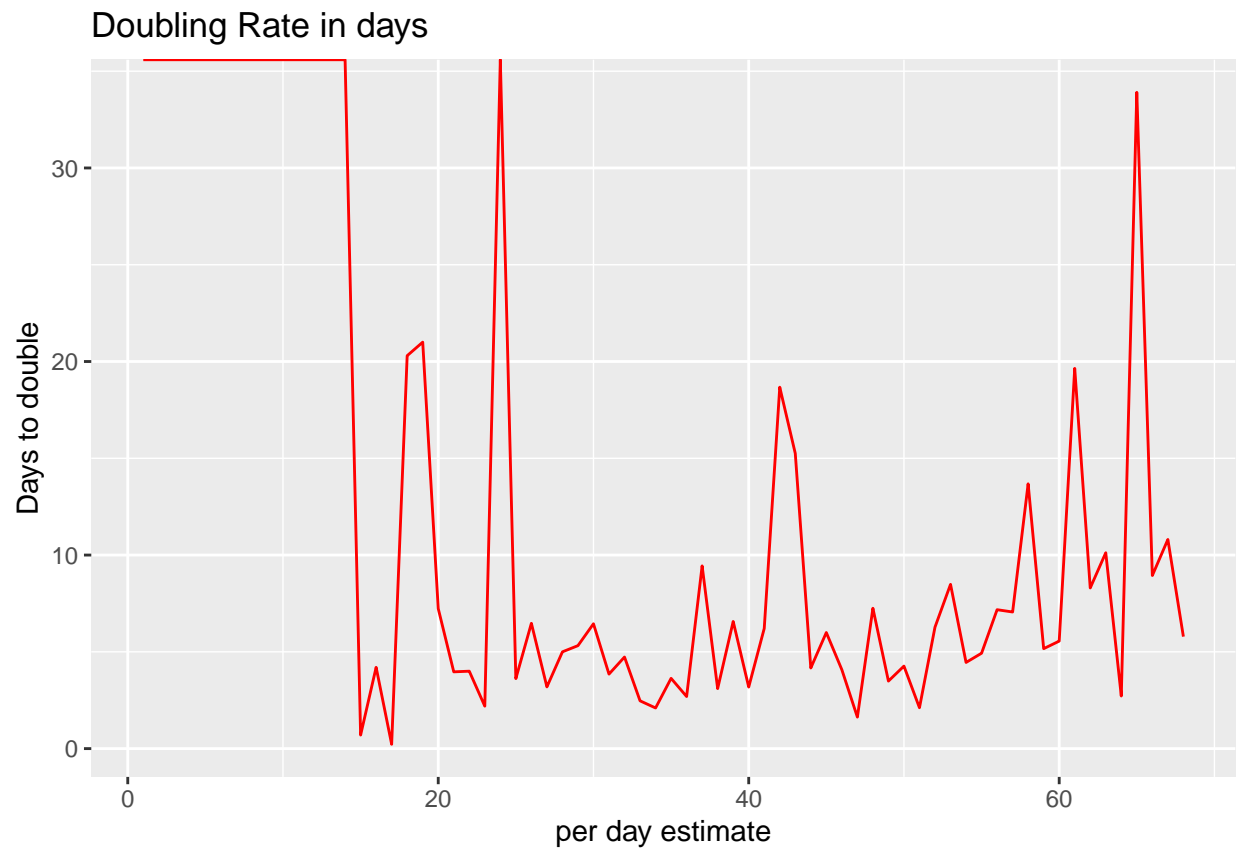
US: Rate of change in Growth Rate

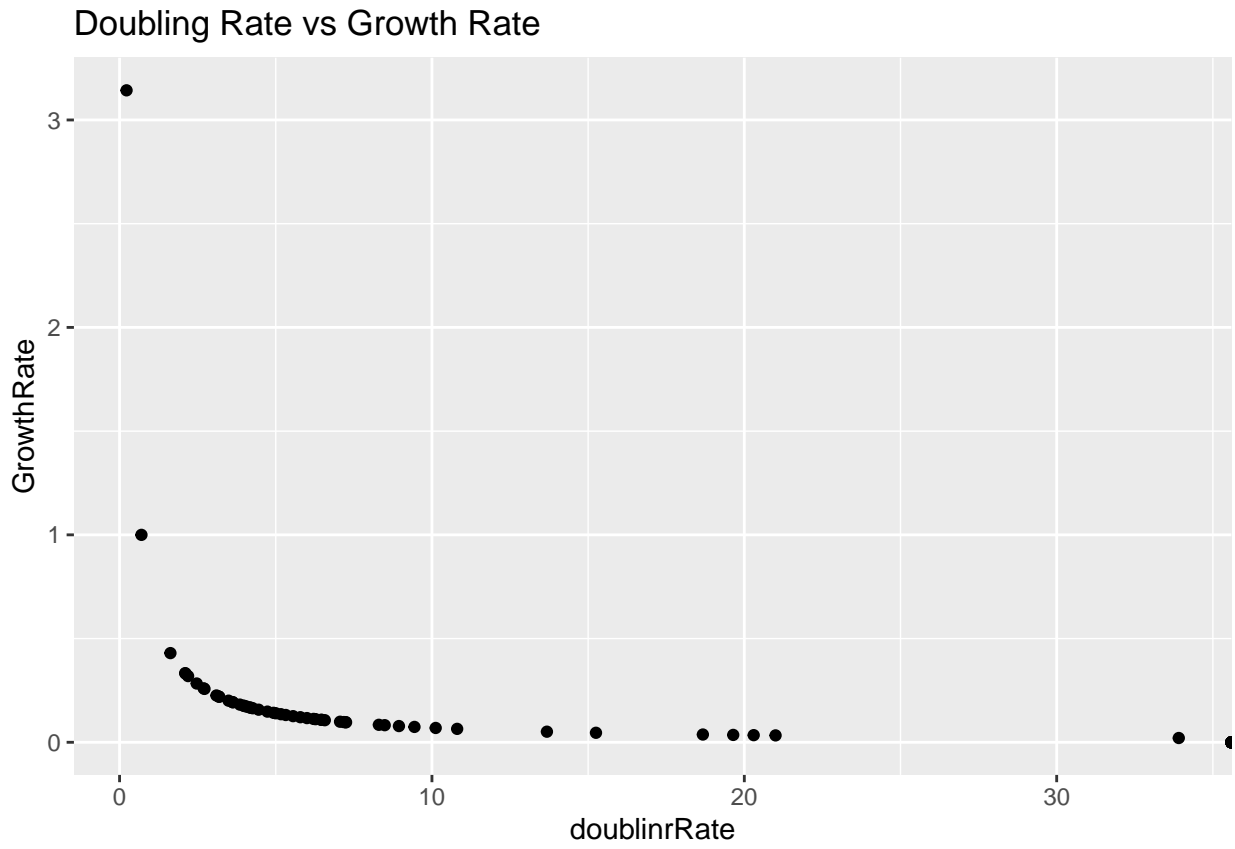


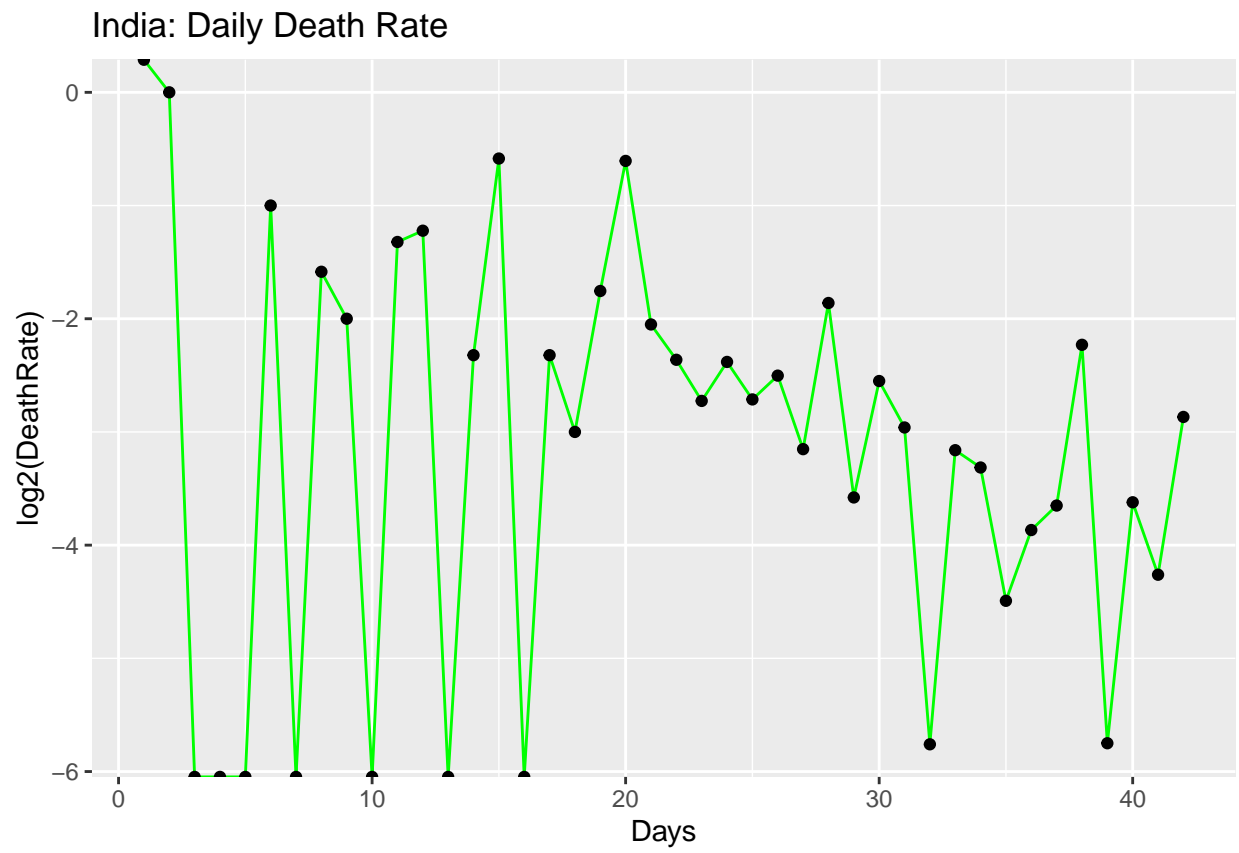


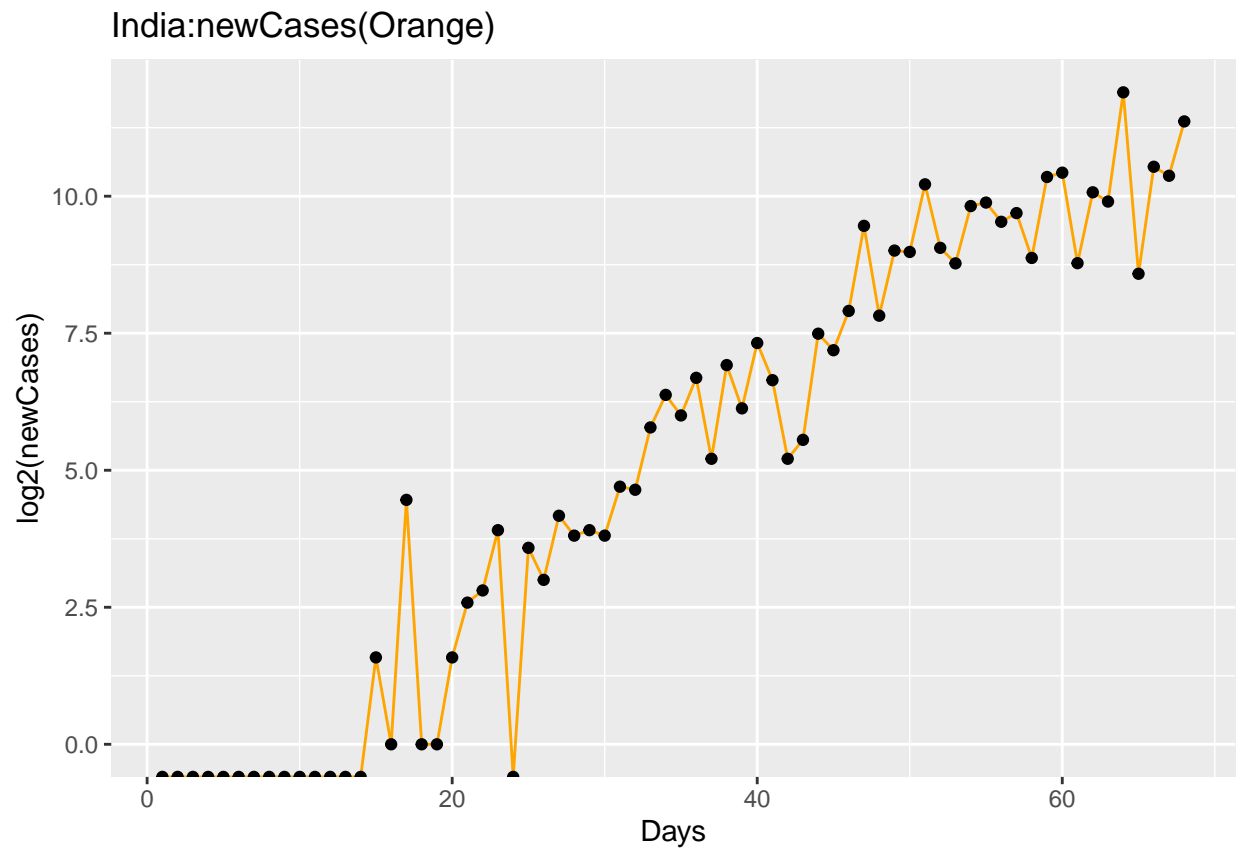




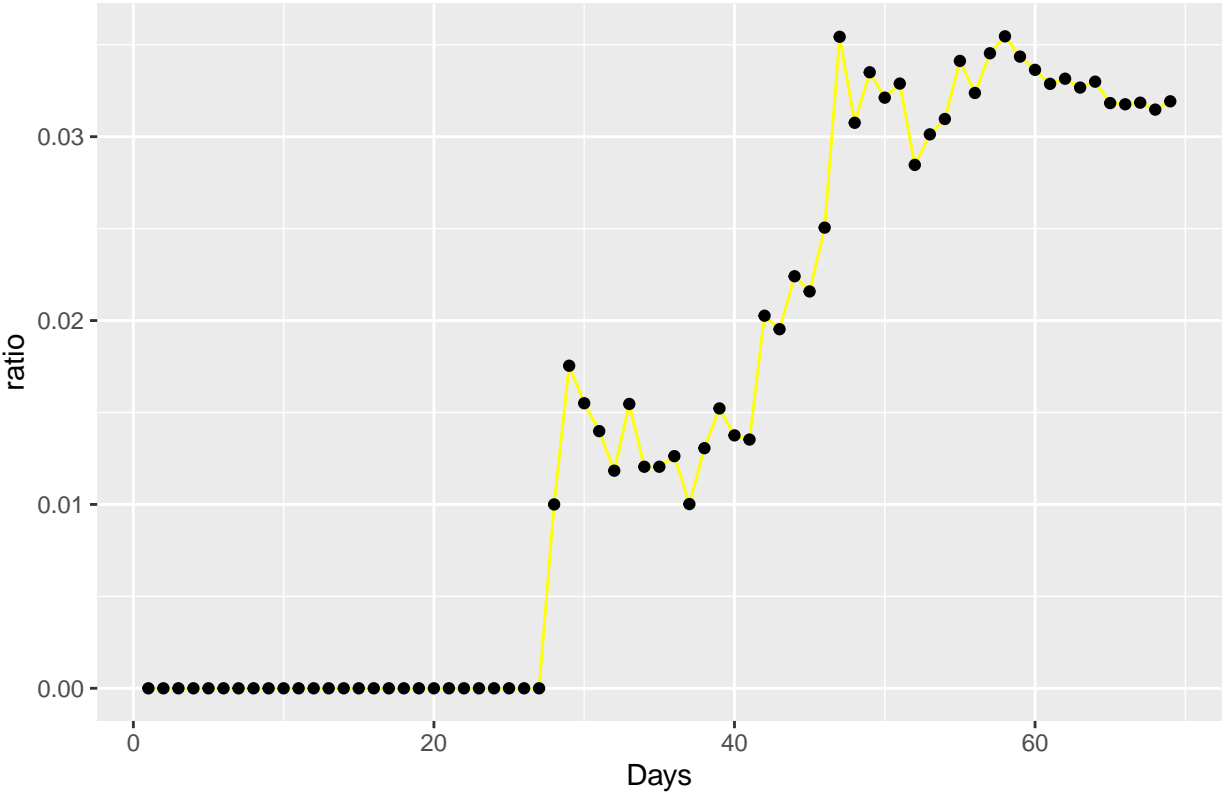


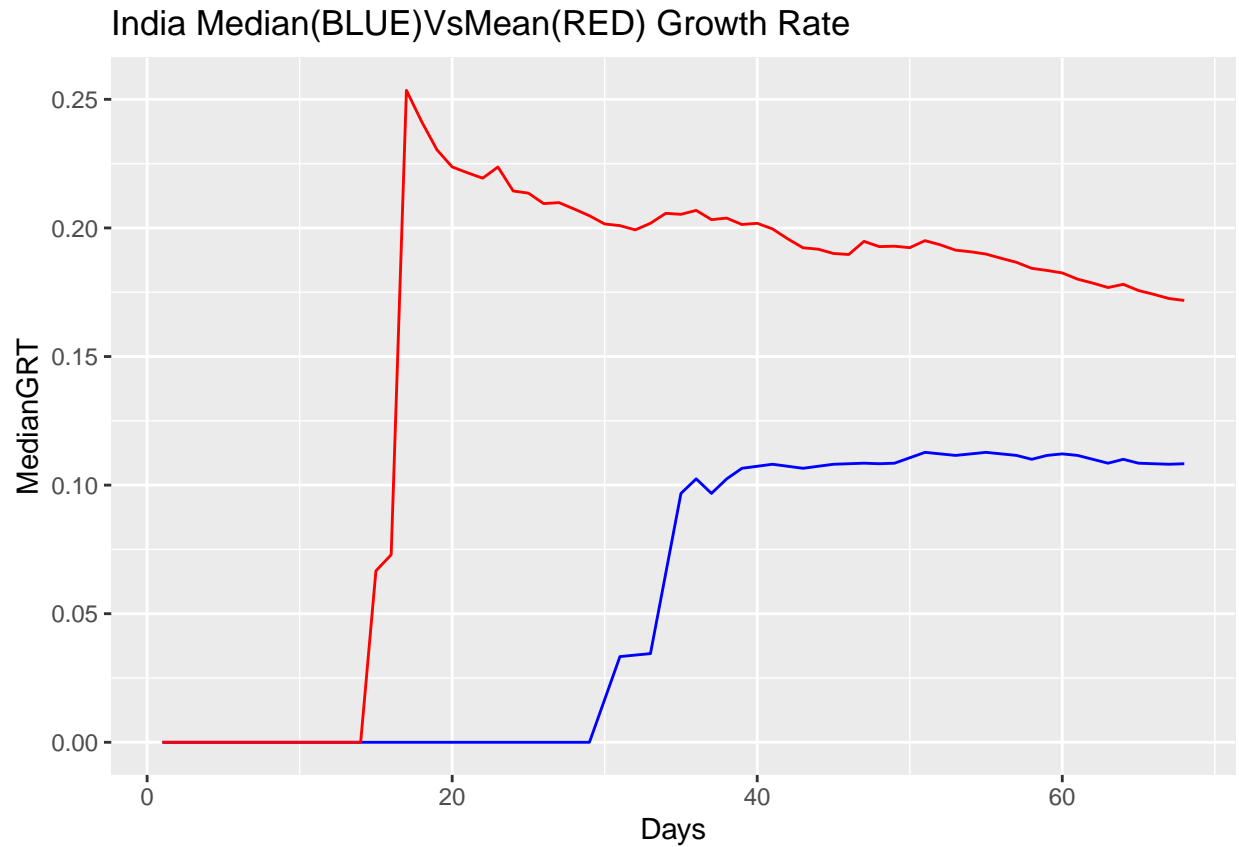






India: TotalDeaths/TotalCases





#### Results:

- Tomorrow's predicted case number is between  $2.7390024 \times 10^4$  and  $2.8631552 \times 10^4$  cases.
- Current doubling rate is **6 days**
- Mean doubling rate, i.e number of cases doubles every **4 days**.
- Median doubling rate, i.e number of cases doubles every **6 days**.
- Latest Observed Growth Rate **12.0979951** percent.
- Mean Growth Rate: **17.1791434** percent.
- Median Growth Rate: **10.831762** percent.
- Standard deviation: +/- **39.3446277**.