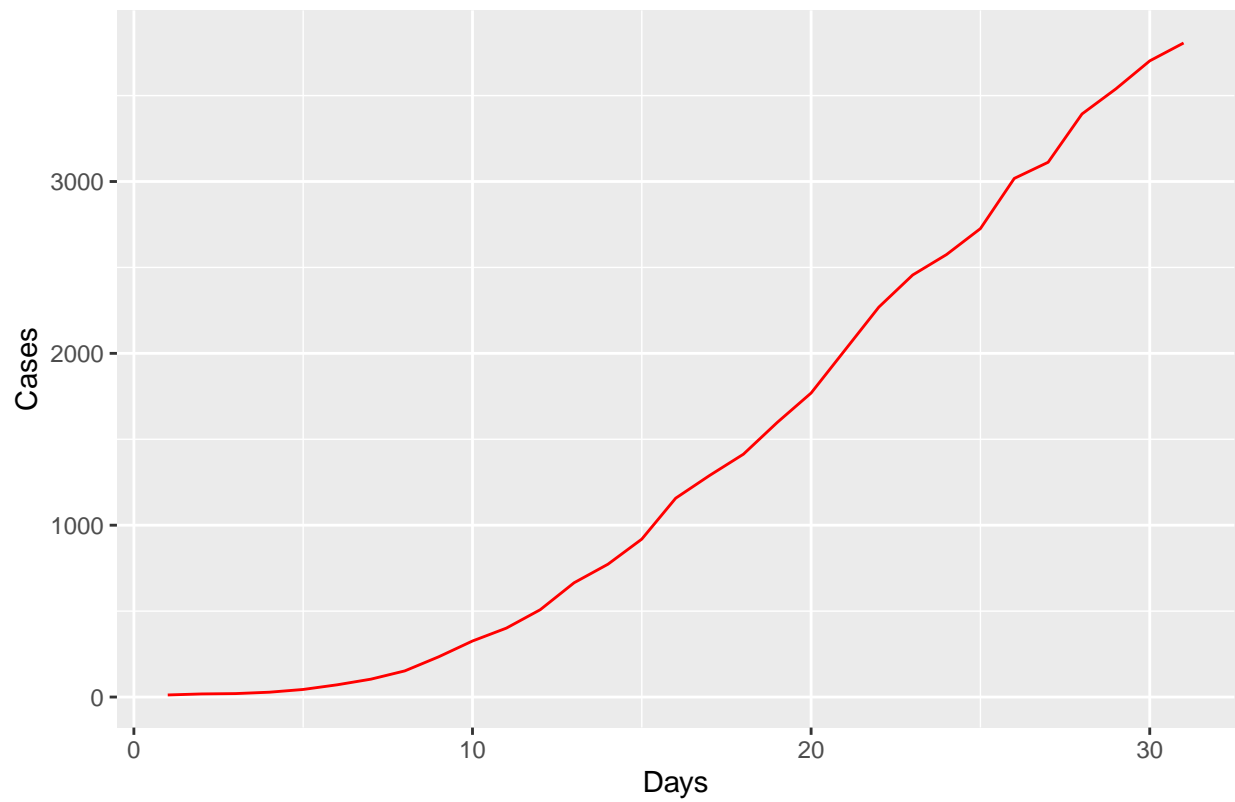


# Arizona/US/India Corona Trends- 14th April 2020 with tomorrow's prediction

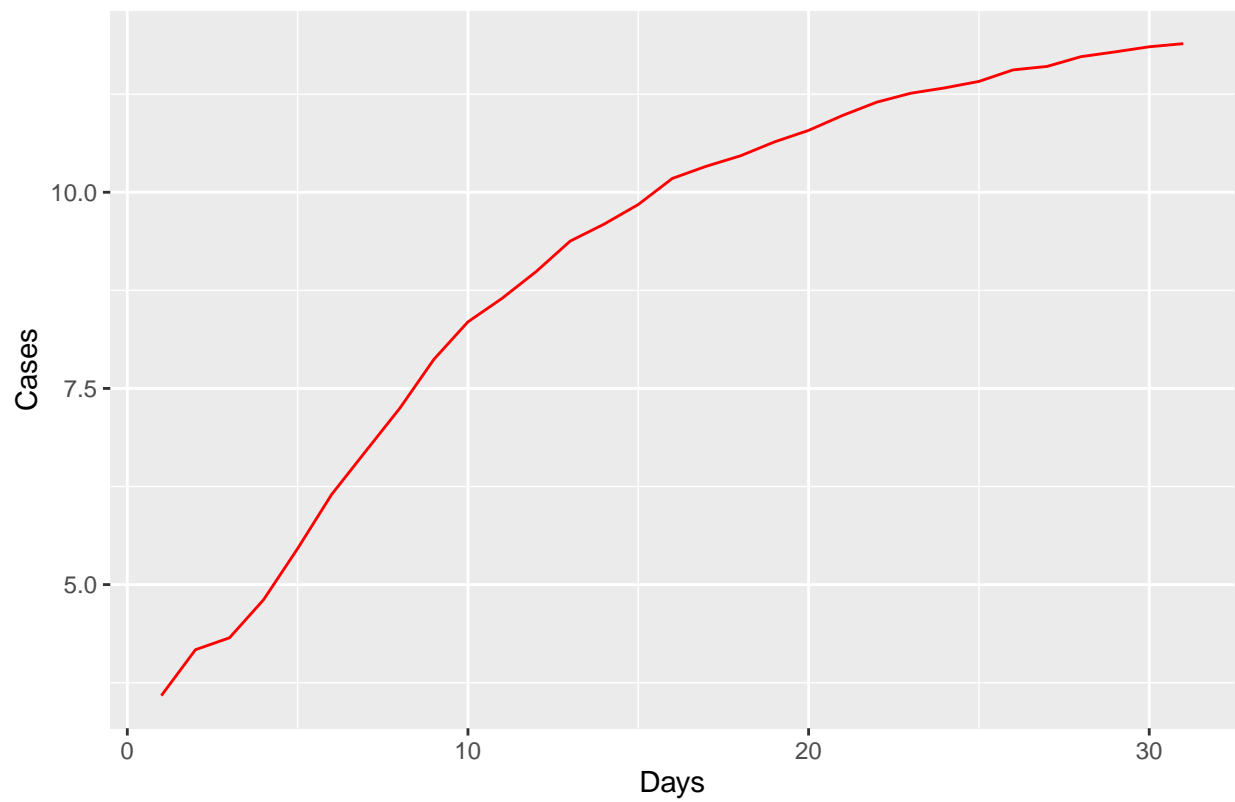
Whitchurch Muthumani

4/14/2020

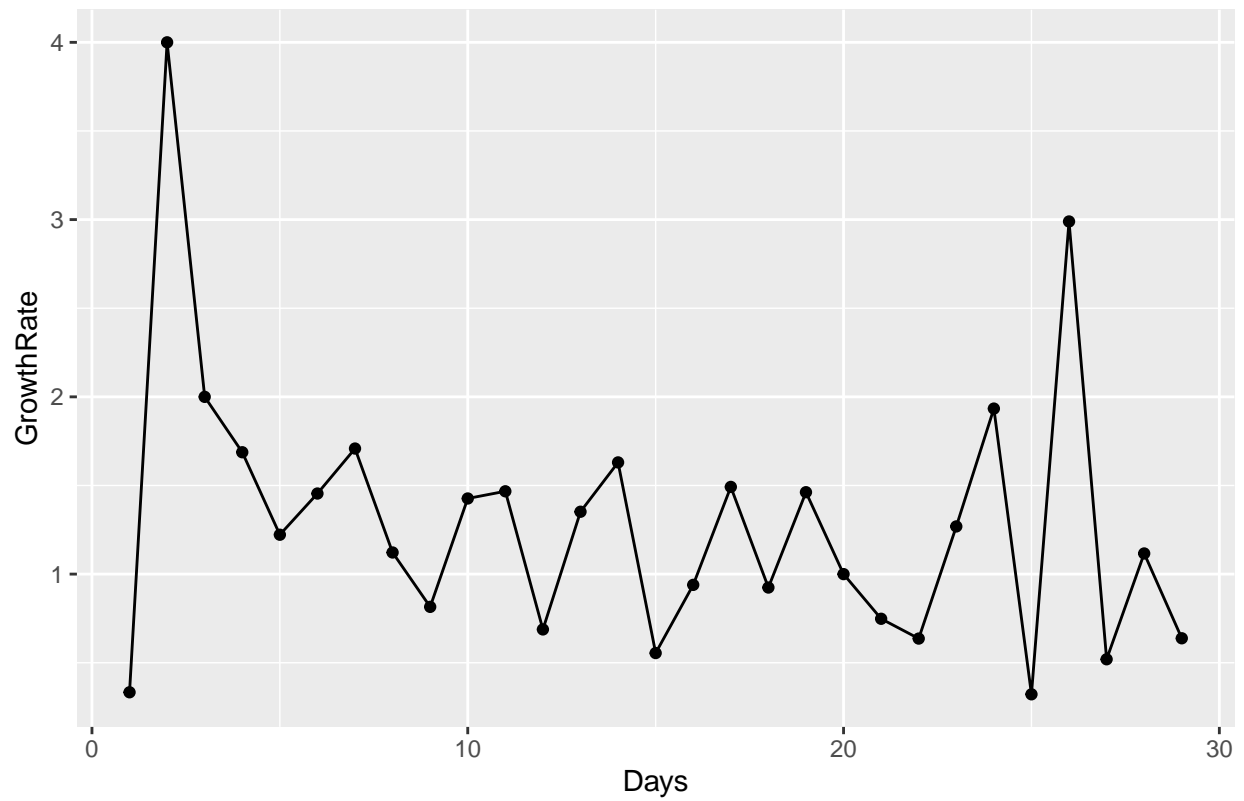
Arizona: Daily Cases

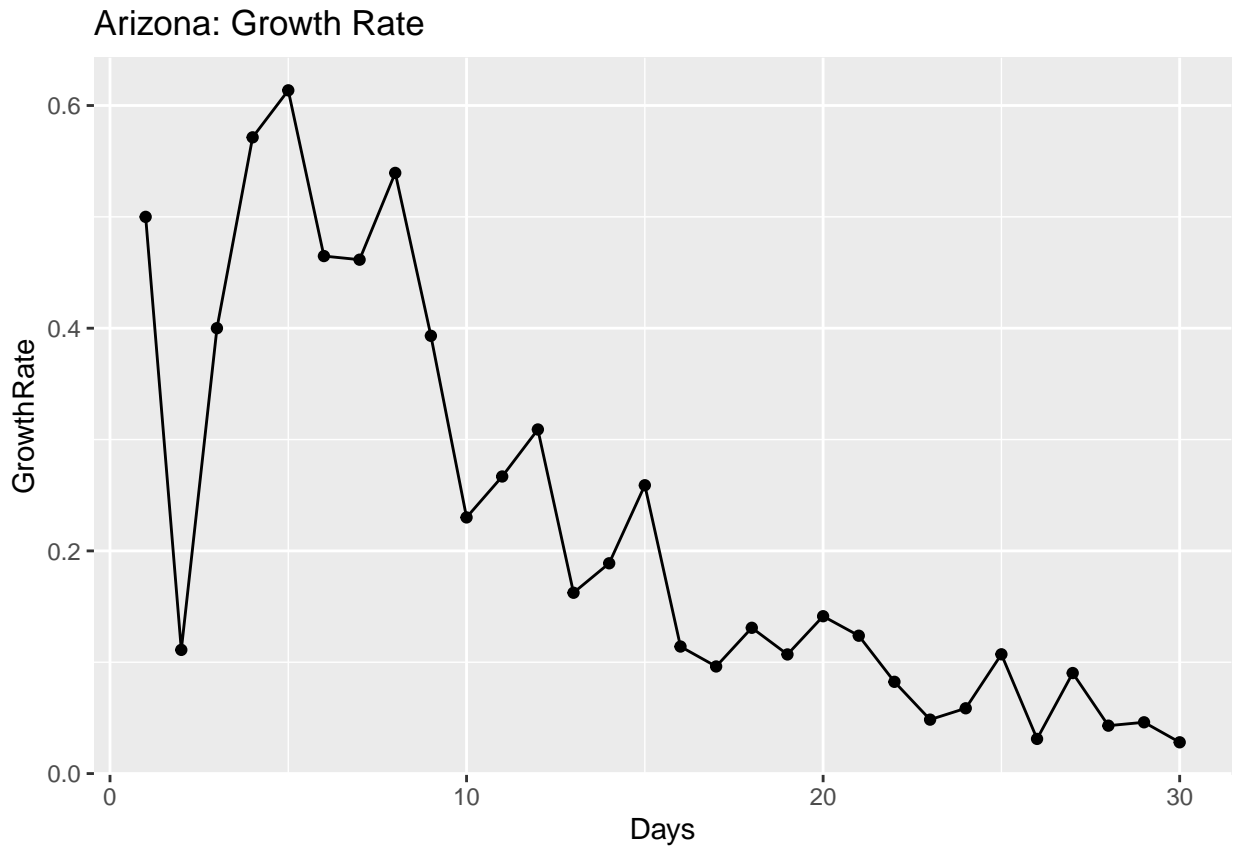


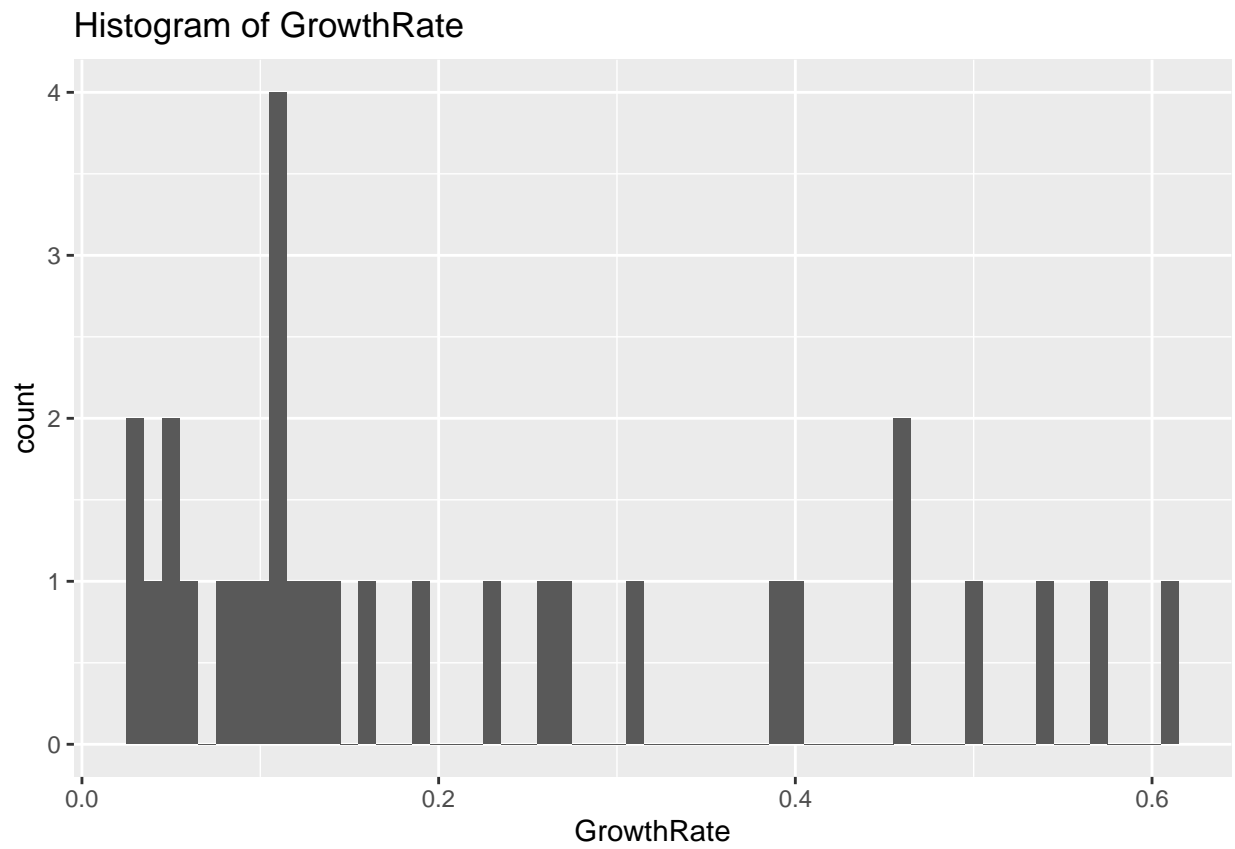
Arizona: Daily Cases

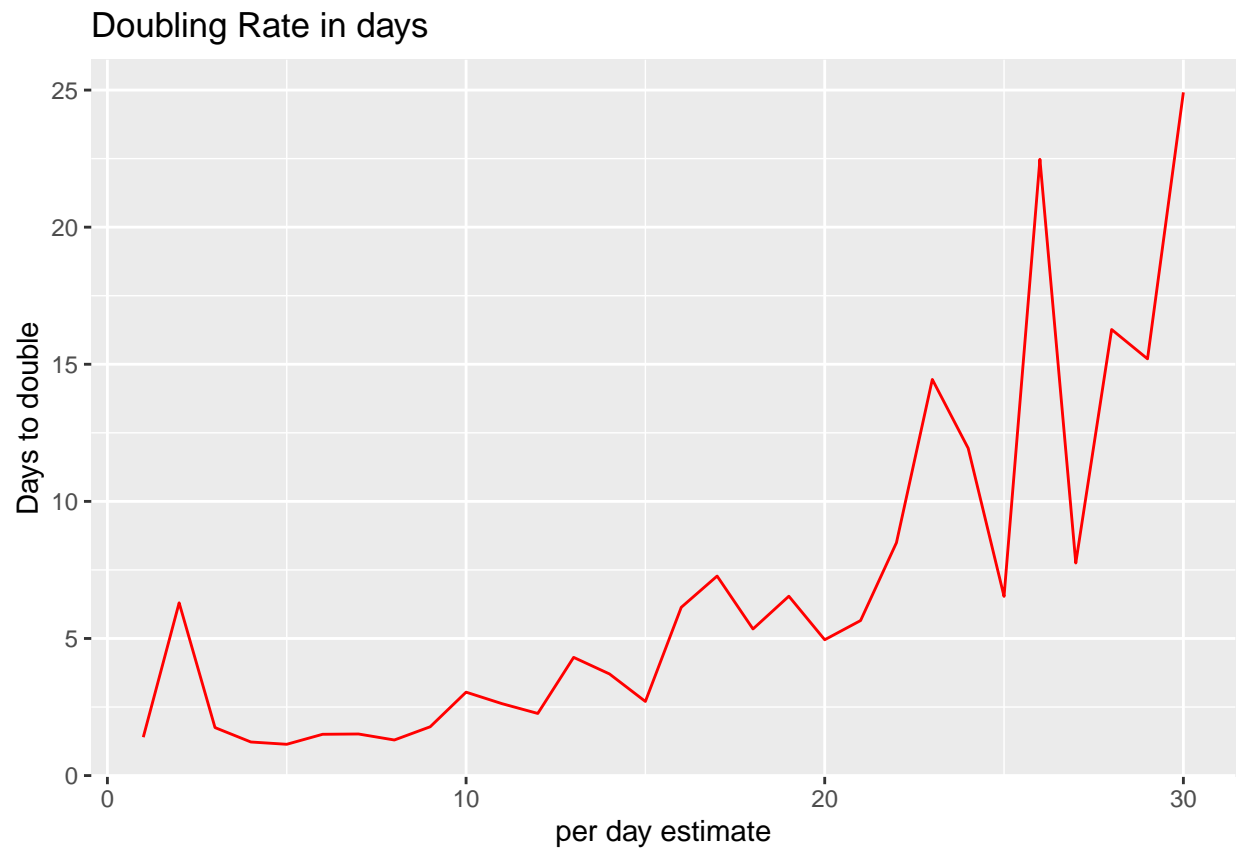


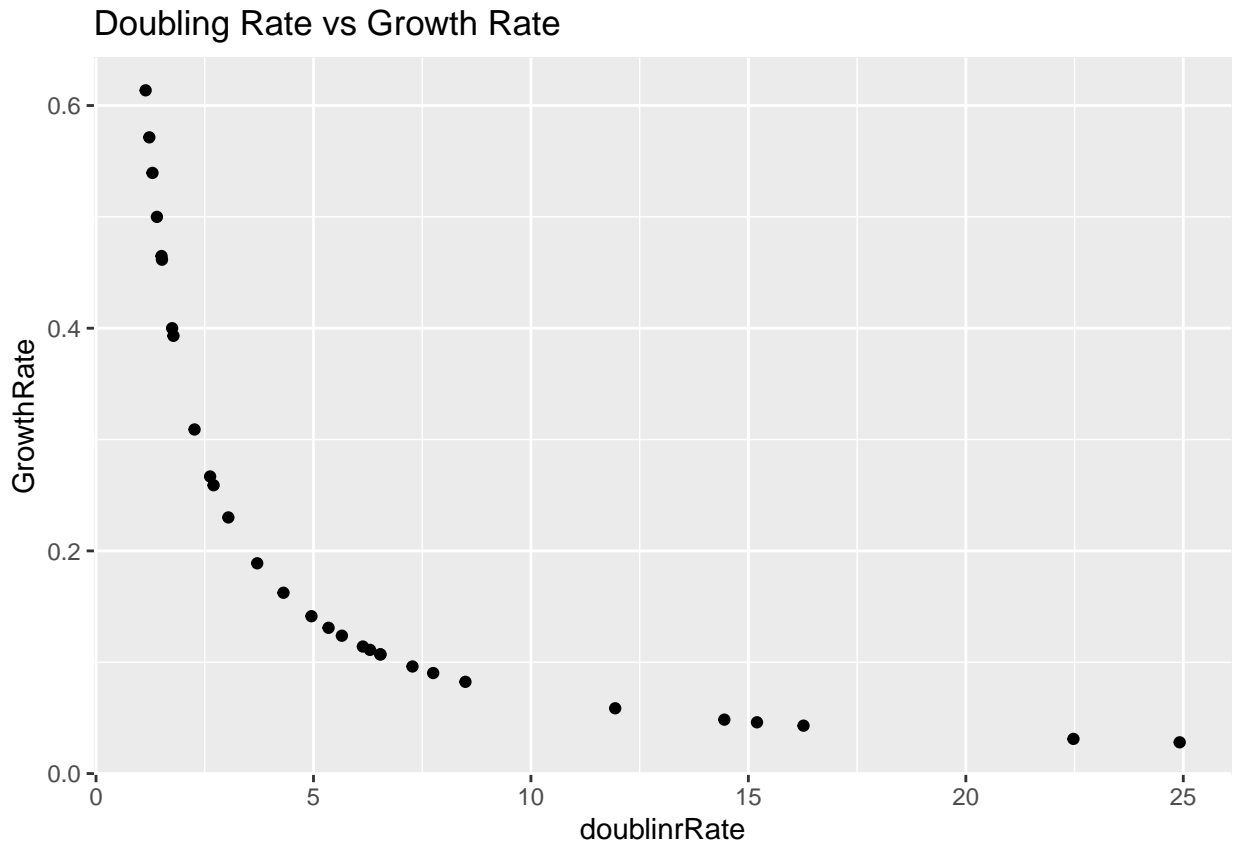
Arizona: Rate of change in Growth Rate

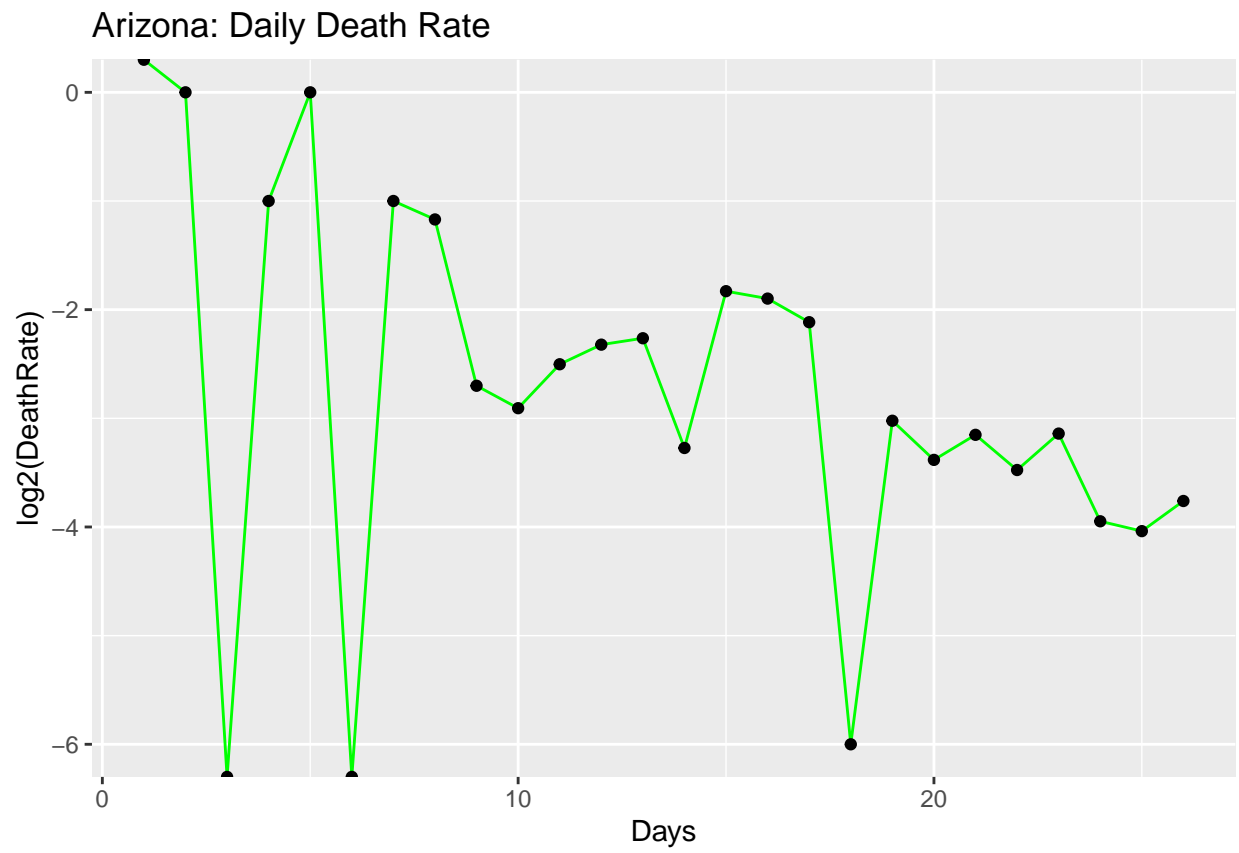




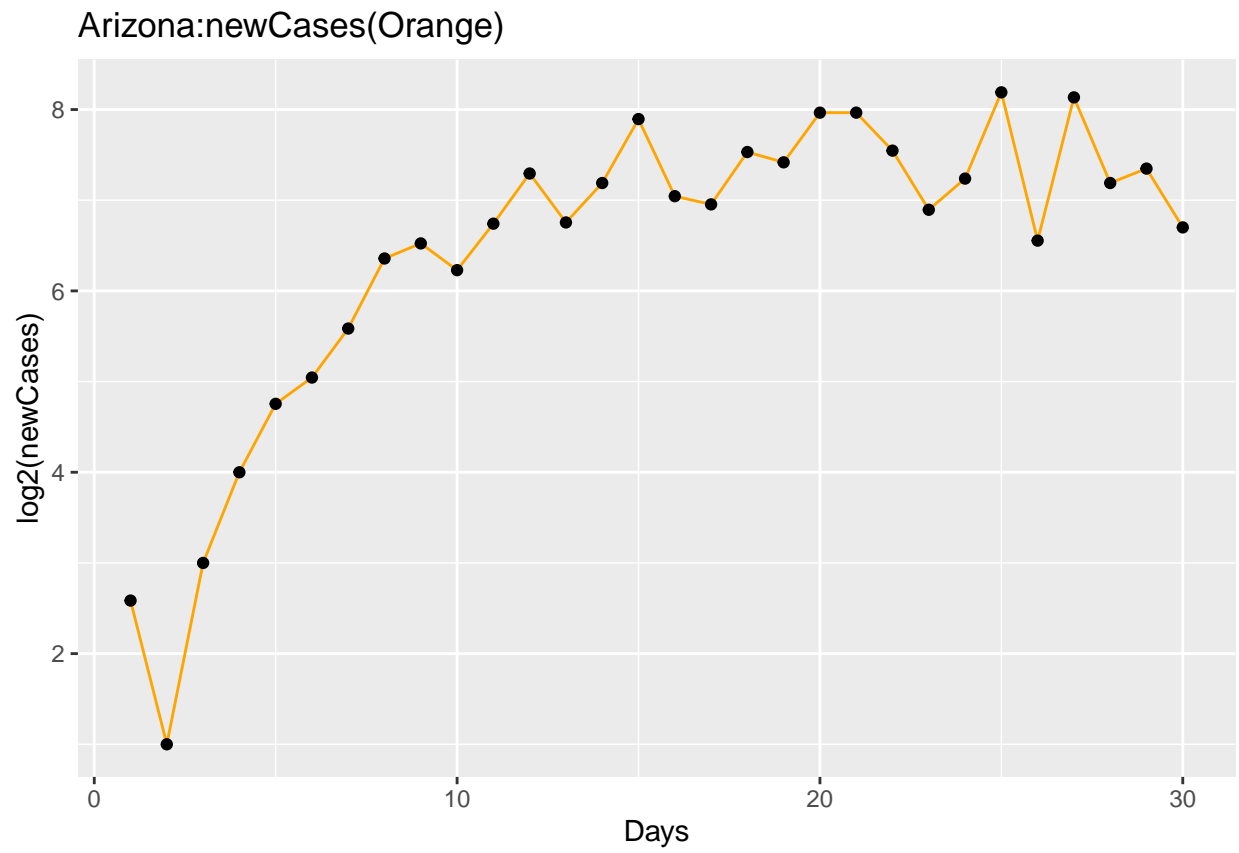




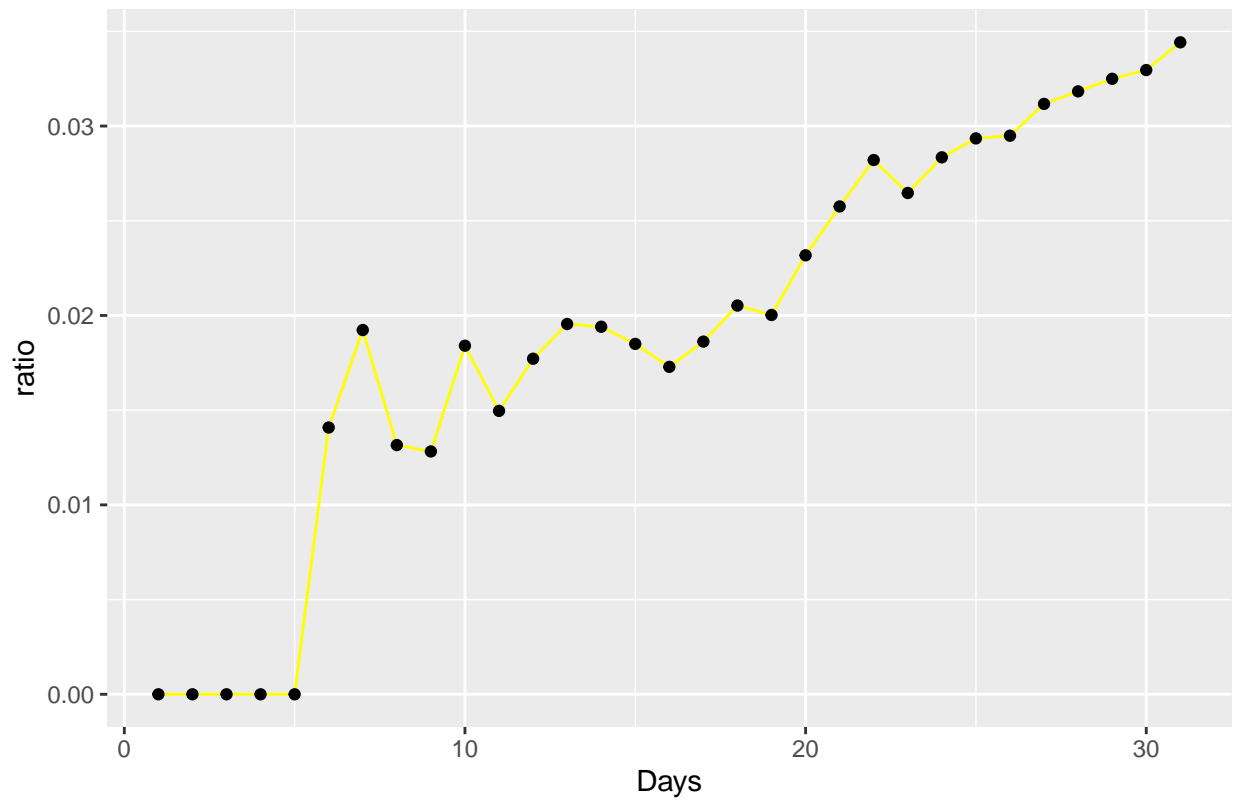


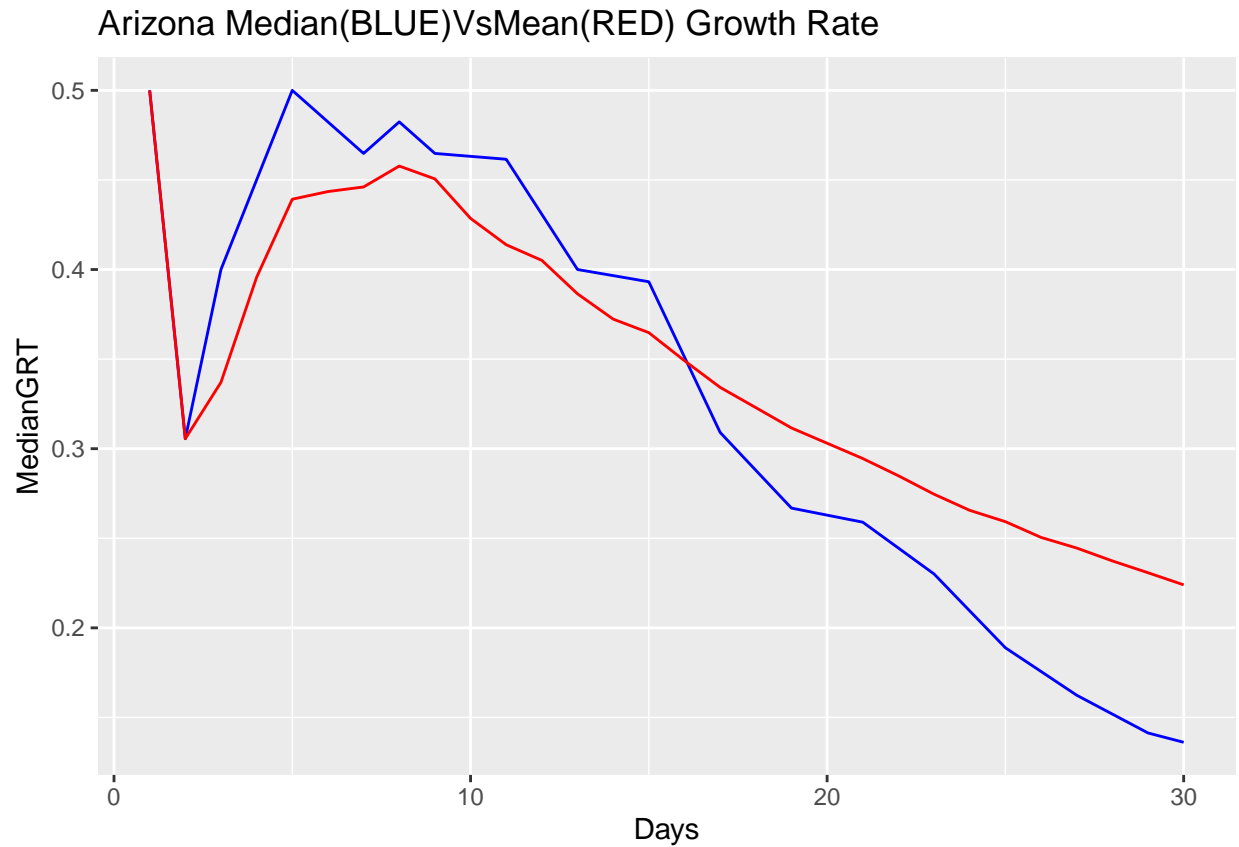






Arizona: TotalDeaths/TotalCases



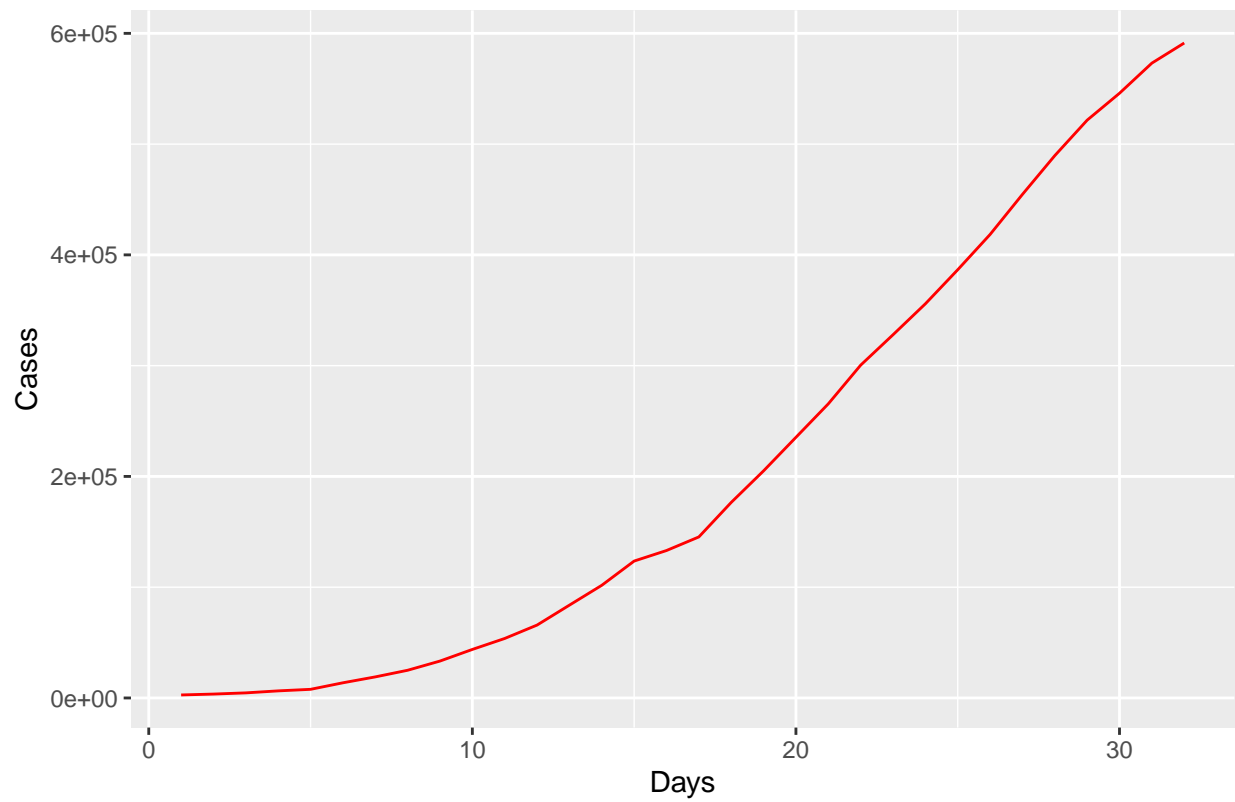


#### Results:

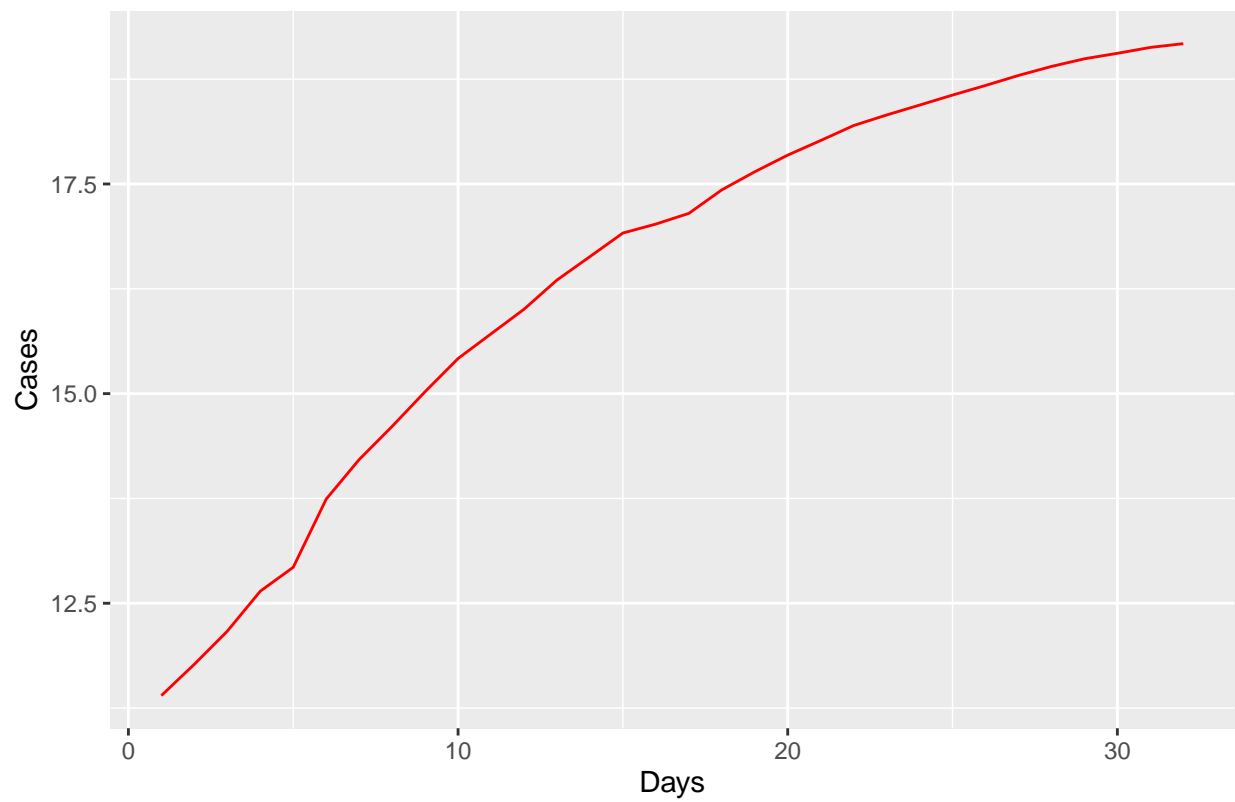
- Tomorrow's predicted case number is between **3912.921664** and **4658.5394088** cases.
- Current doubling rate is **25 days**
- Mean doubling rate, i.e number of cases doubles every **3 days**.
- Median doubling rate, i.e number of cases doubles every **5 days**.
- Latest Observed Growth Rate **2.8092923** percent.
- Mean Growth Rate: **22.3998794** percent.
- Median Growth Rate: **13.6124943** percent.
- Standard deviation: +/- **18.2670248**.

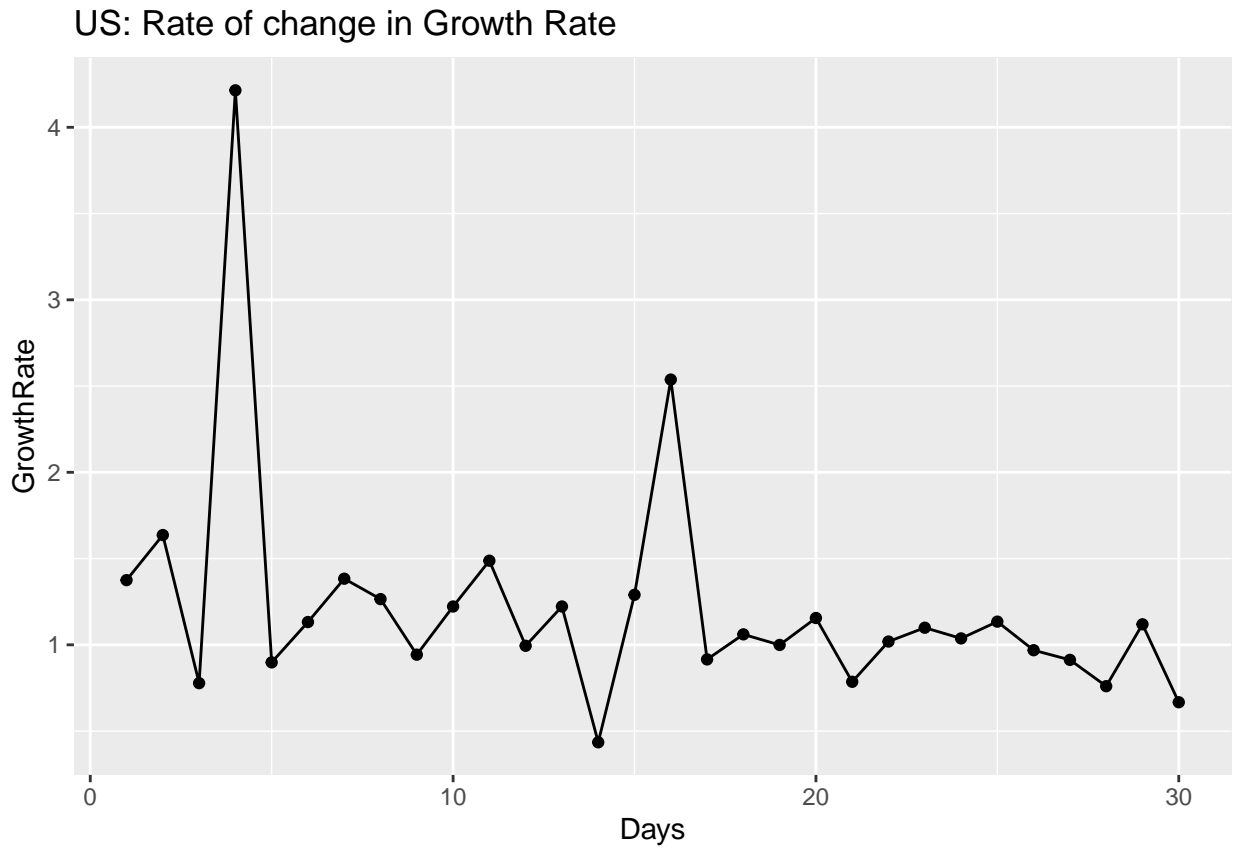
## US Corona Dashboard

### US: Daily Cases

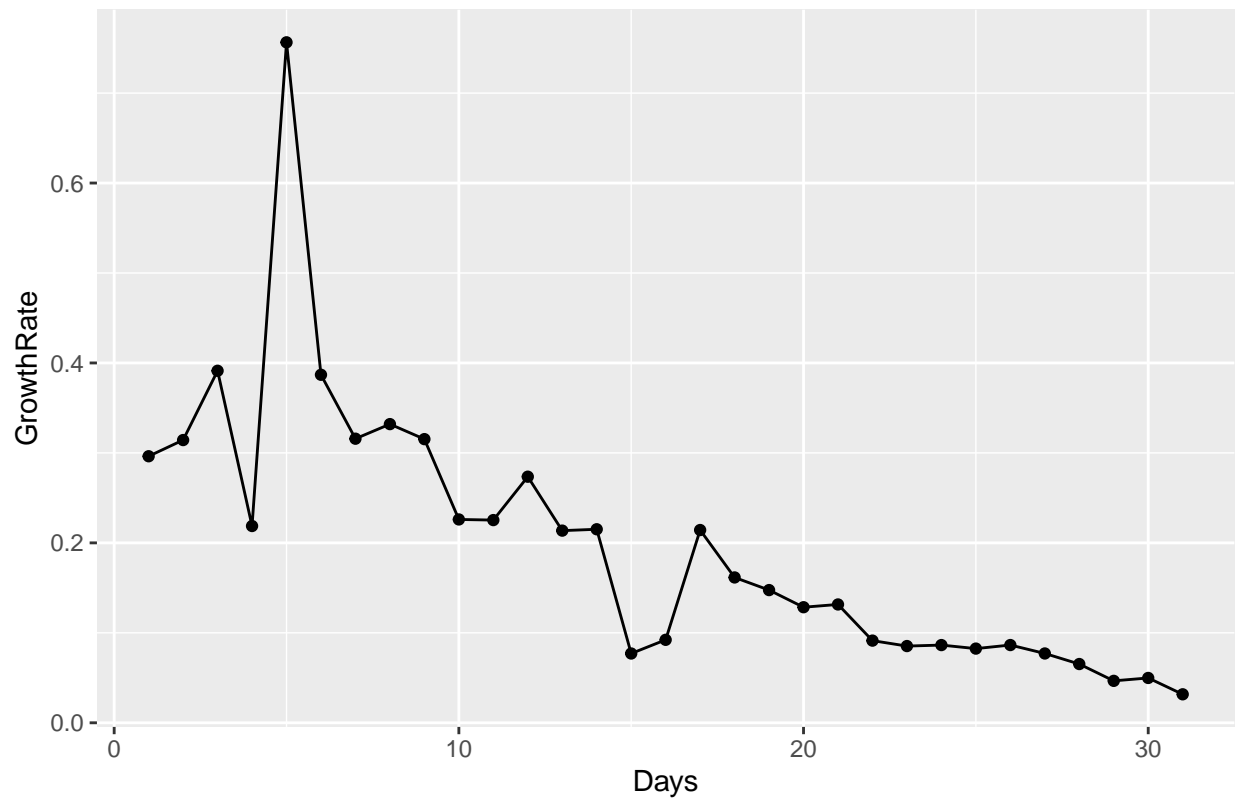


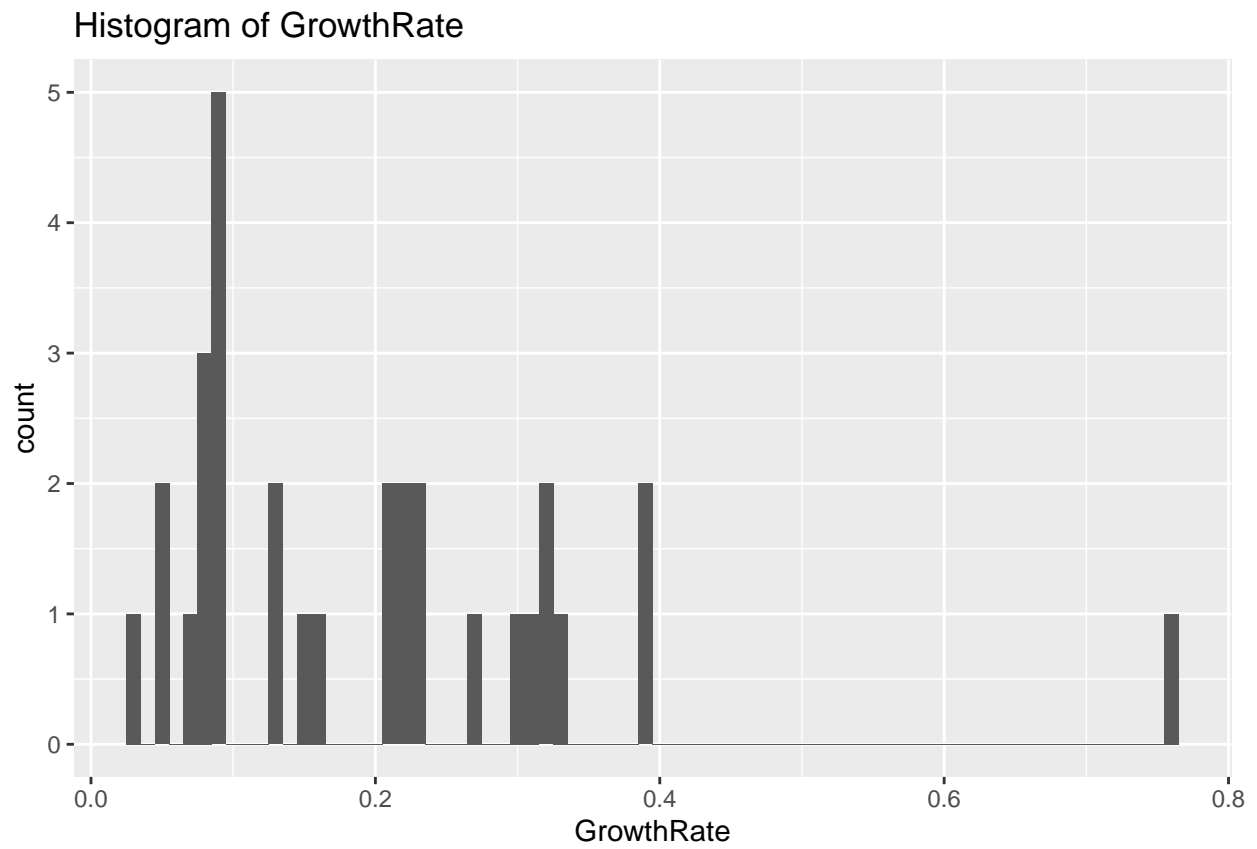
### US: Daily Cases

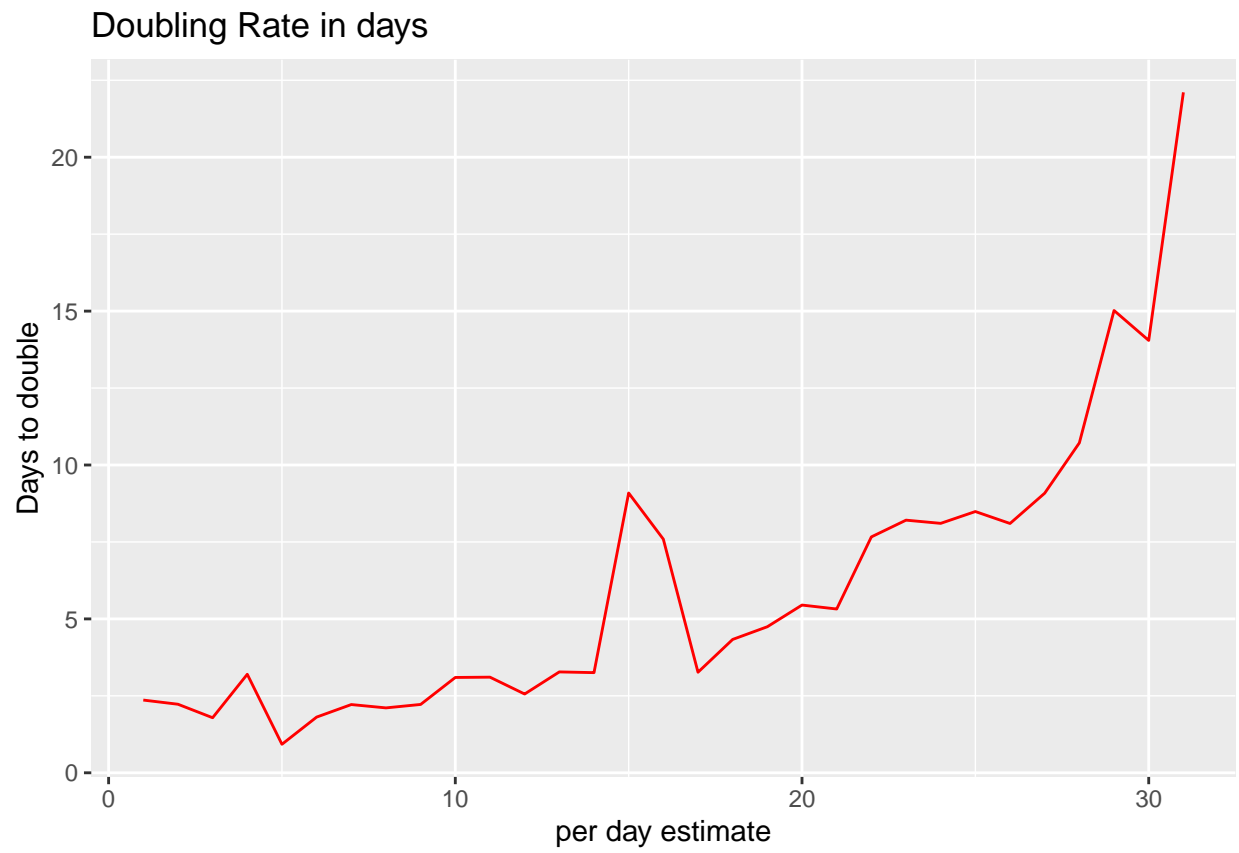




US: Growth Rate

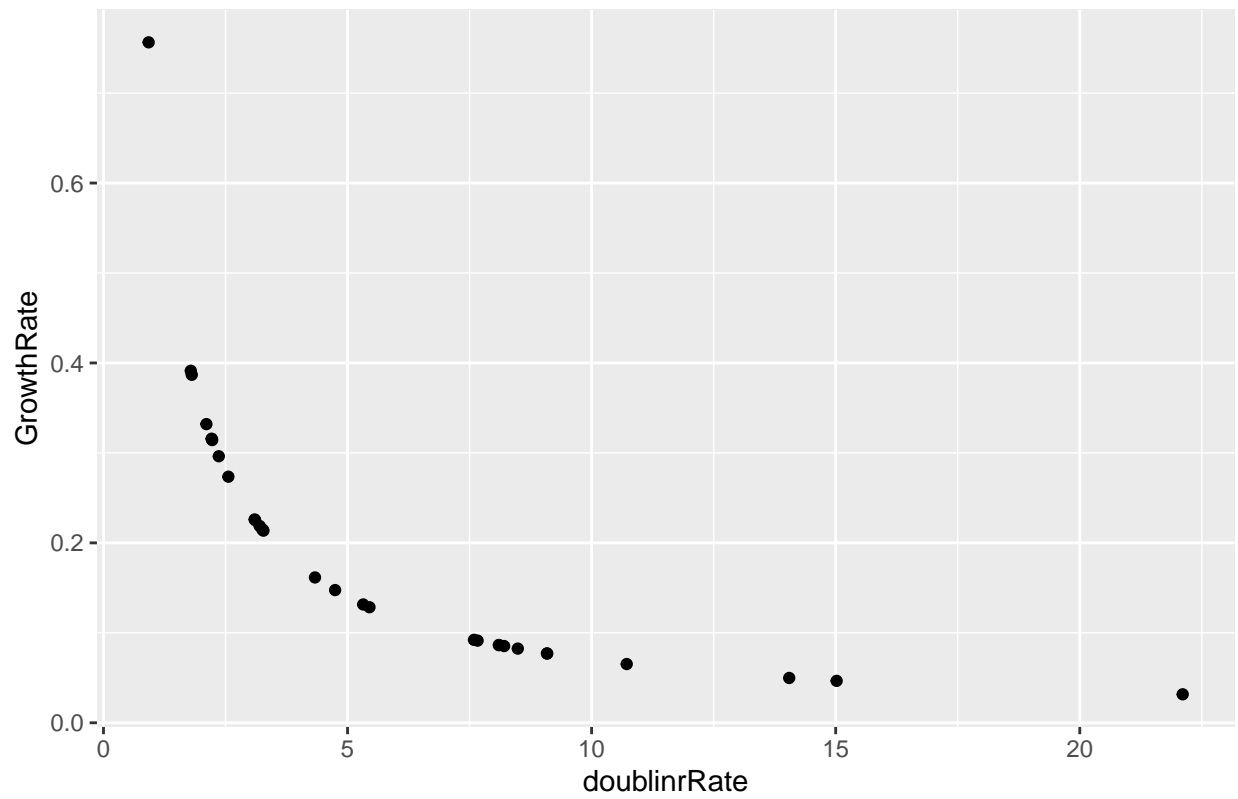




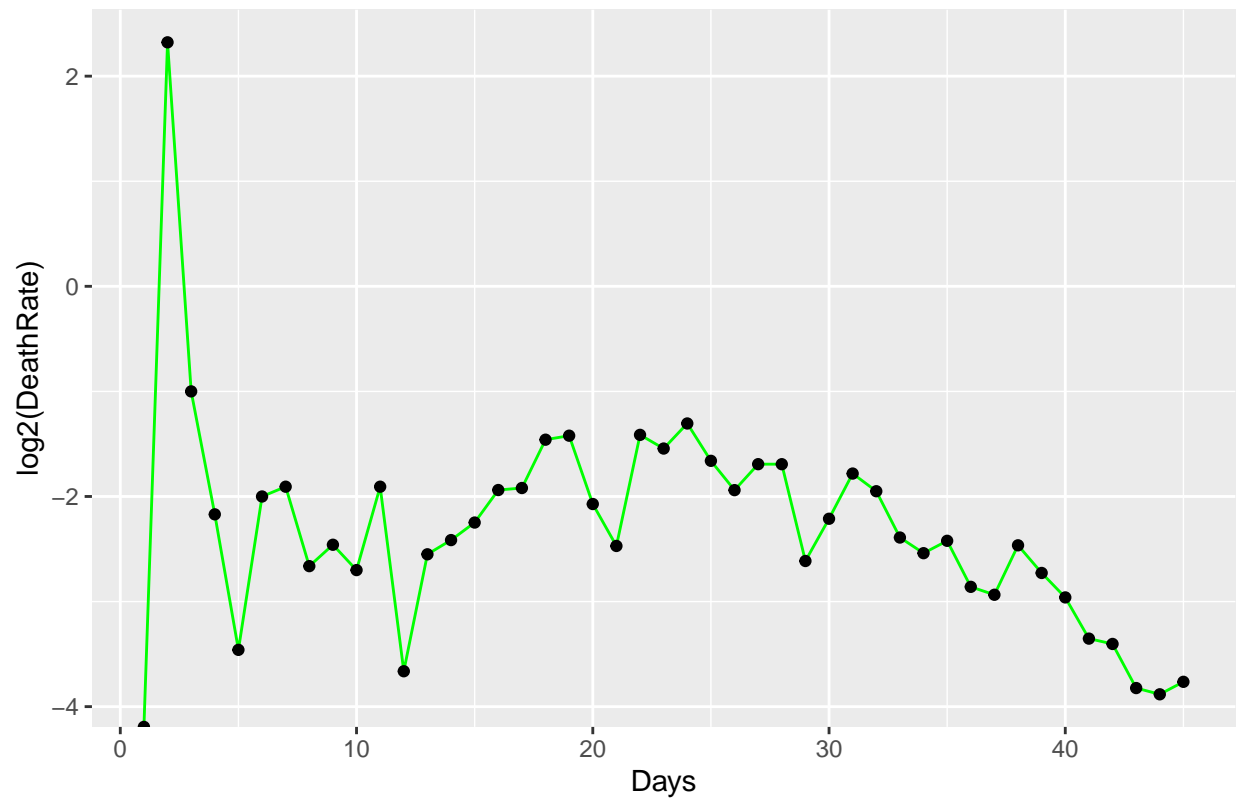


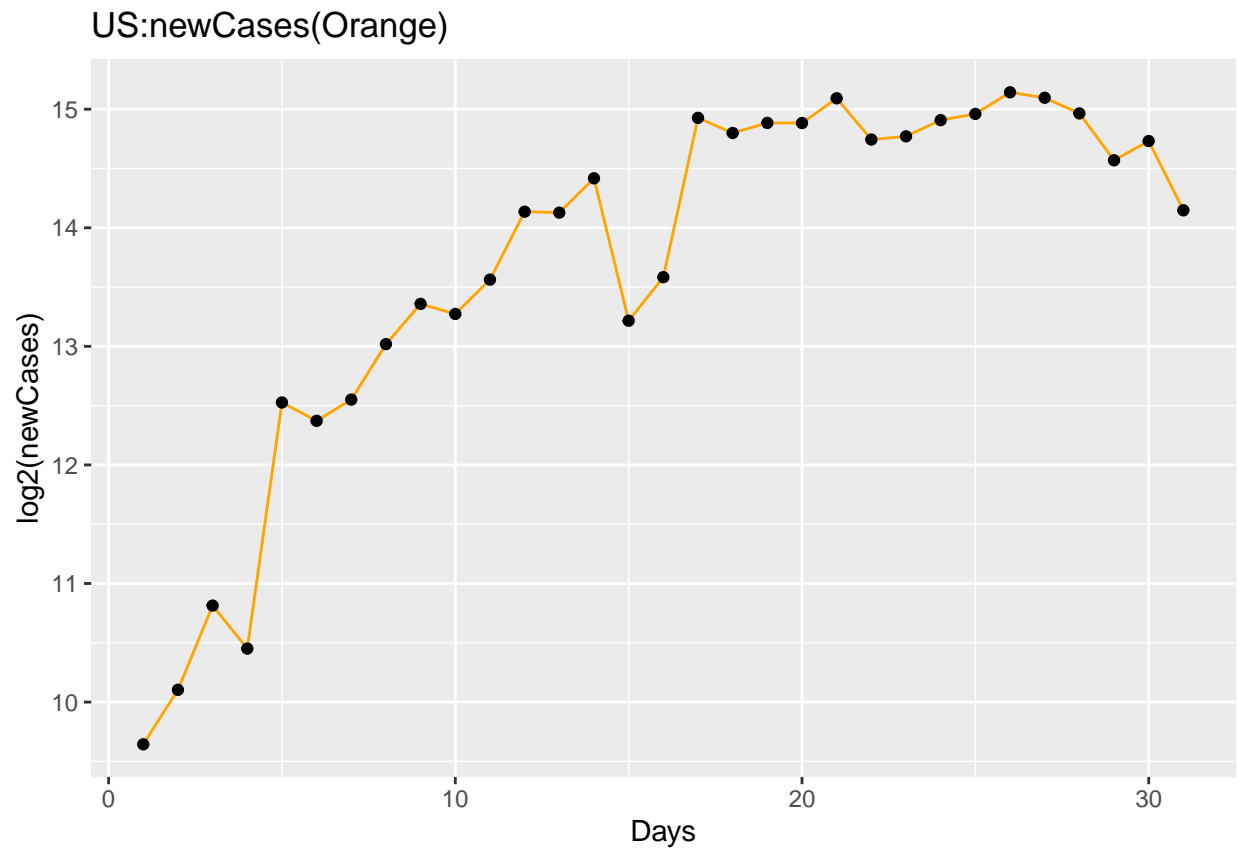


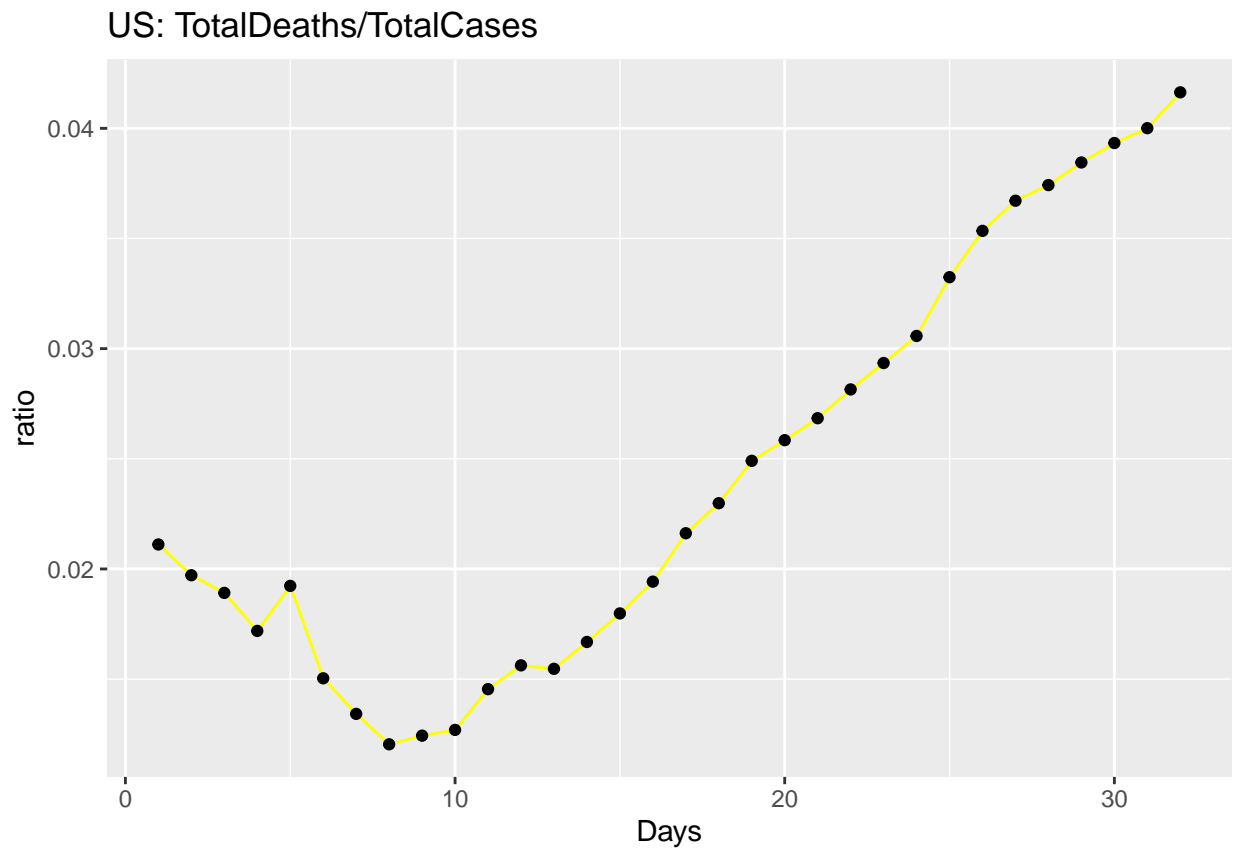
Doubling Rate vs Growth Rate

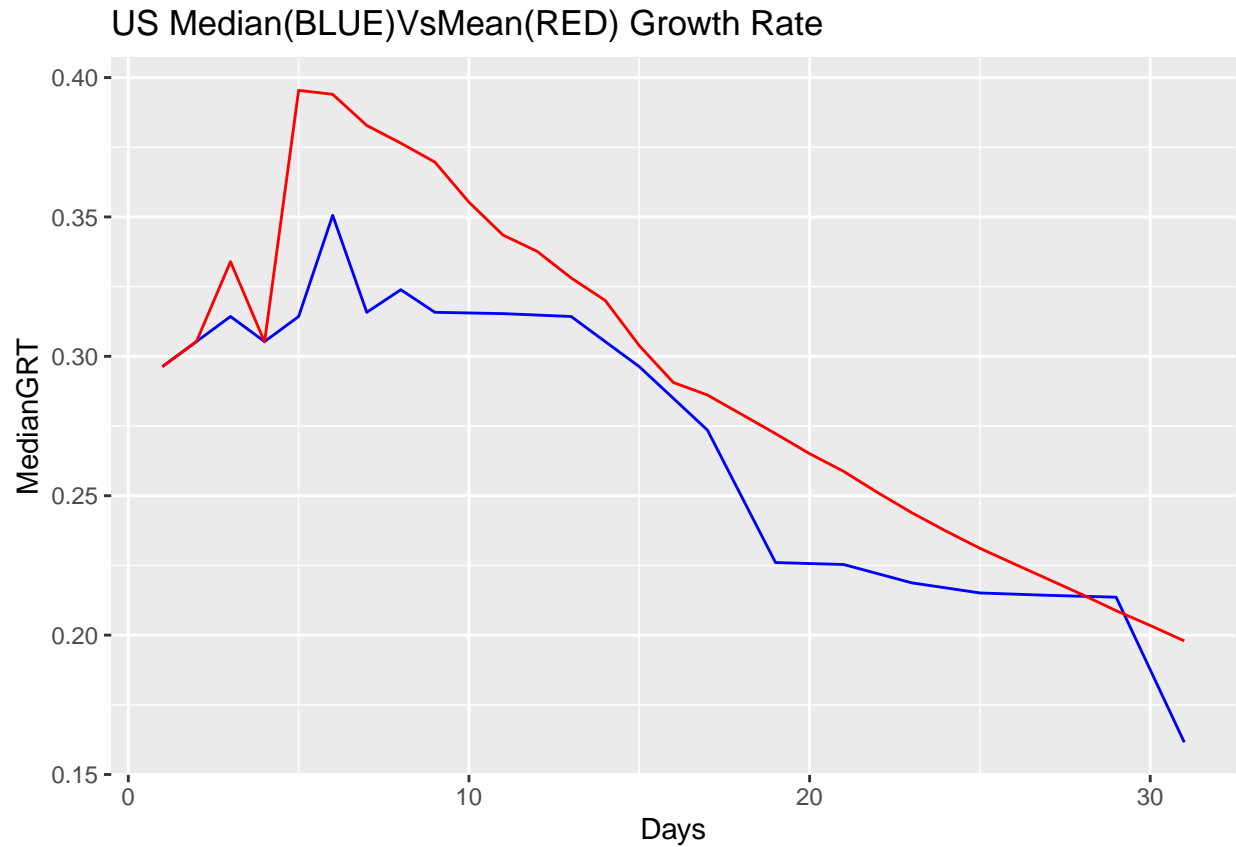


US: Daily Death Rate







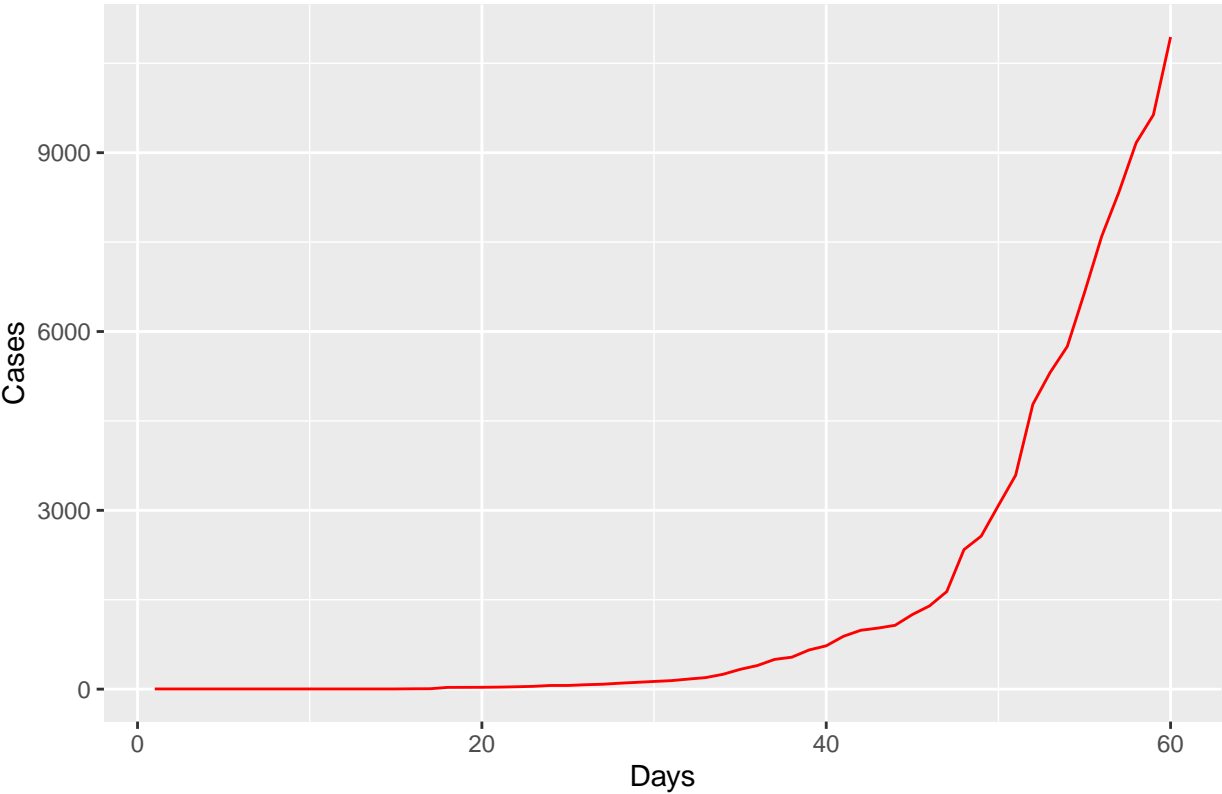


#### Results:

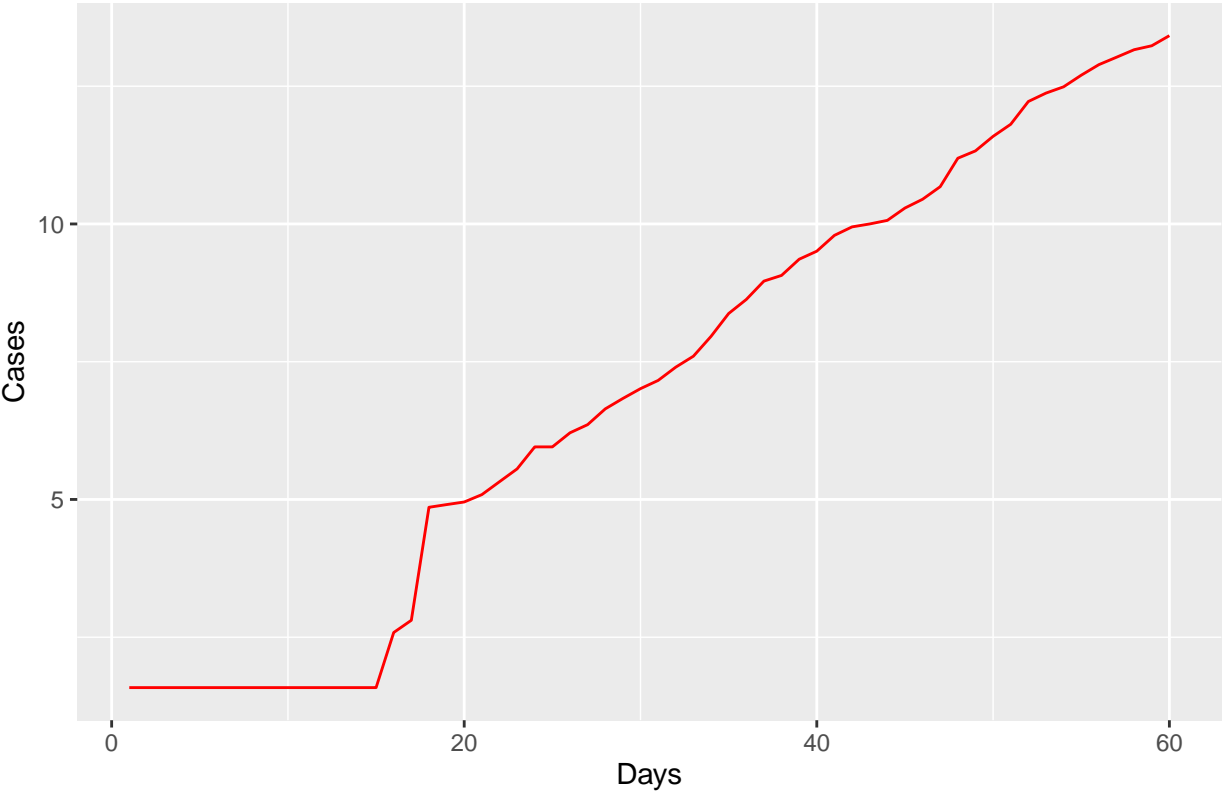
- Tomorrow's predicted case number is between  $6.1000658 \times 10^5$  and  $7.083134 \times 10^5$  cases.
- Current doubling rate is **22 days**
- Mean doubling rate, i.e number of cases doubles every **4 days**.
- Median doubling rate, i.e number of cases doubles every **4 days**.
- Latest Observed Growth Rate **3.1662532** percent.
- Mean Growth Rate: **19.7922154** percent.
- Median Growth Rate: **16.1552929** percent.
- Standard deviation: +/- **14.9240277**.

India Corona Dashboard

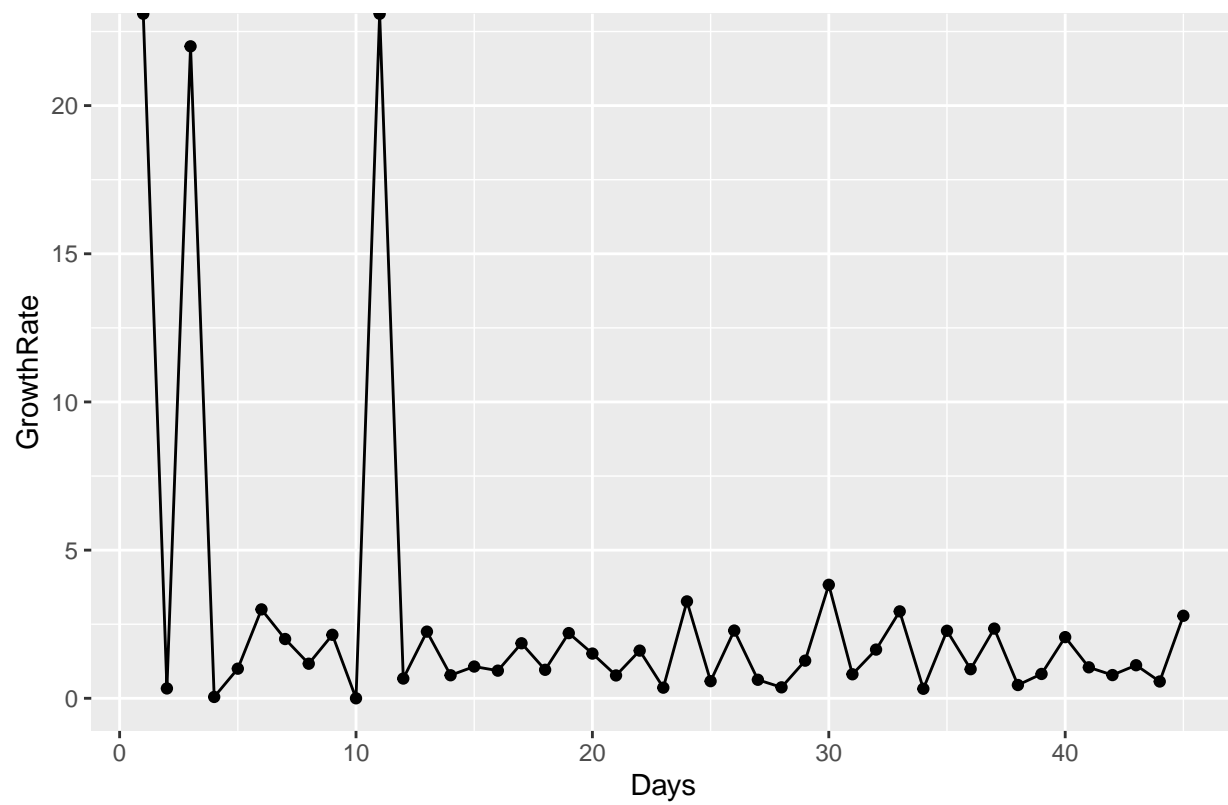
India: Daily Cases

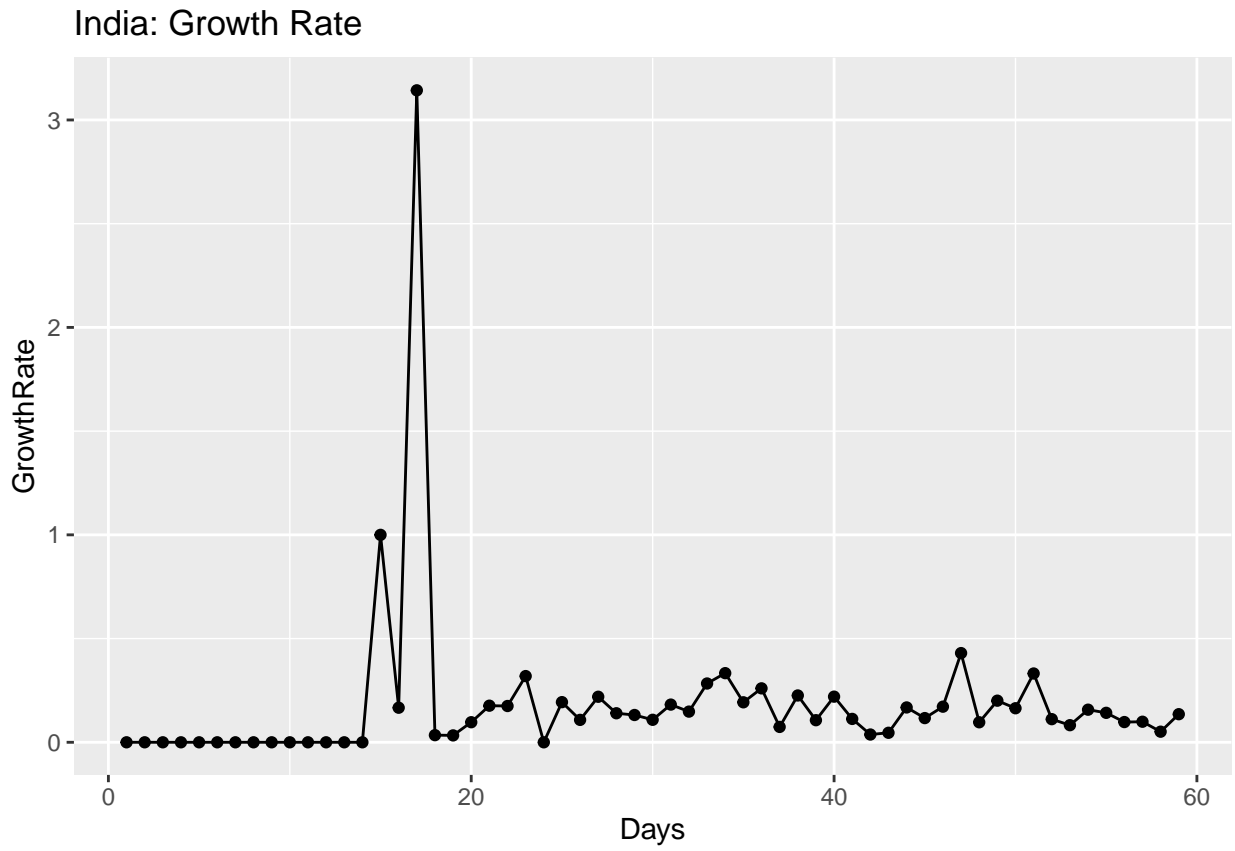


India: Daily Cases

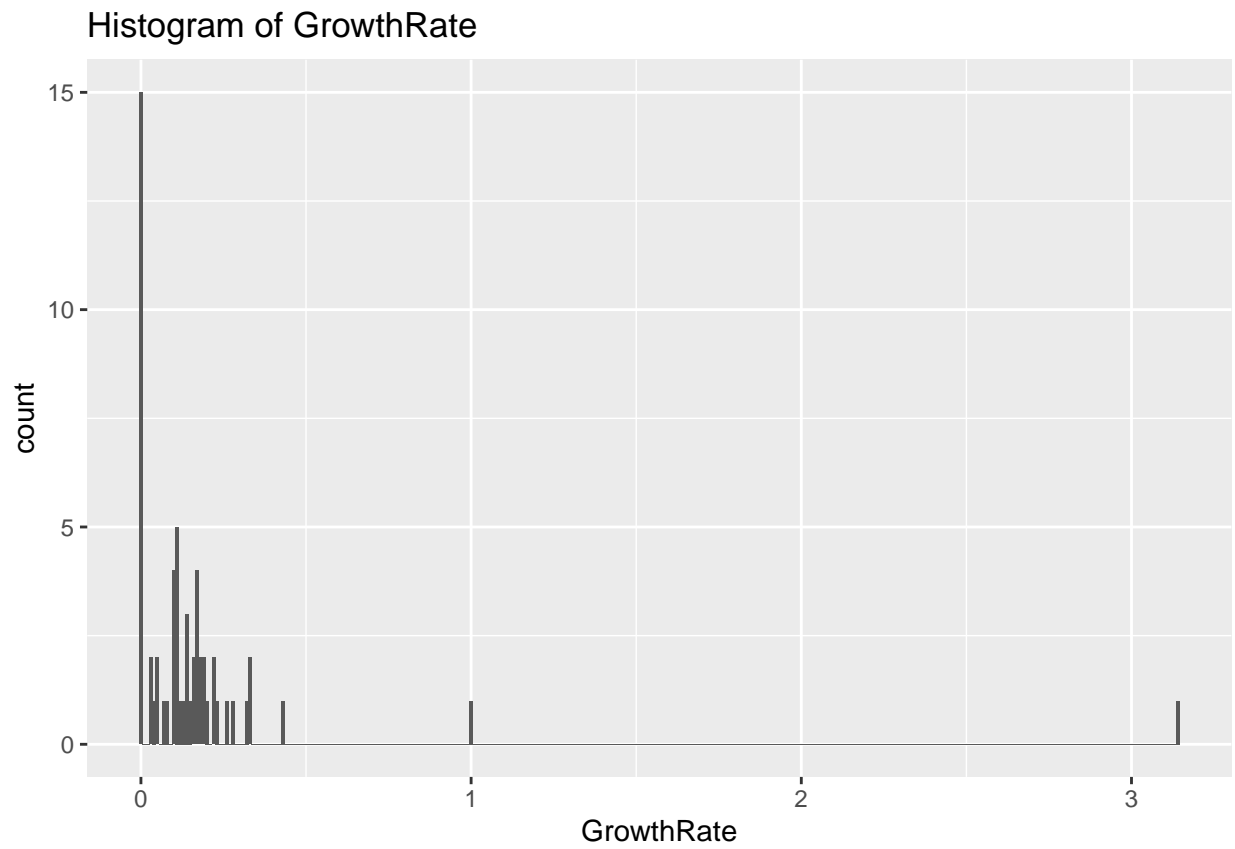


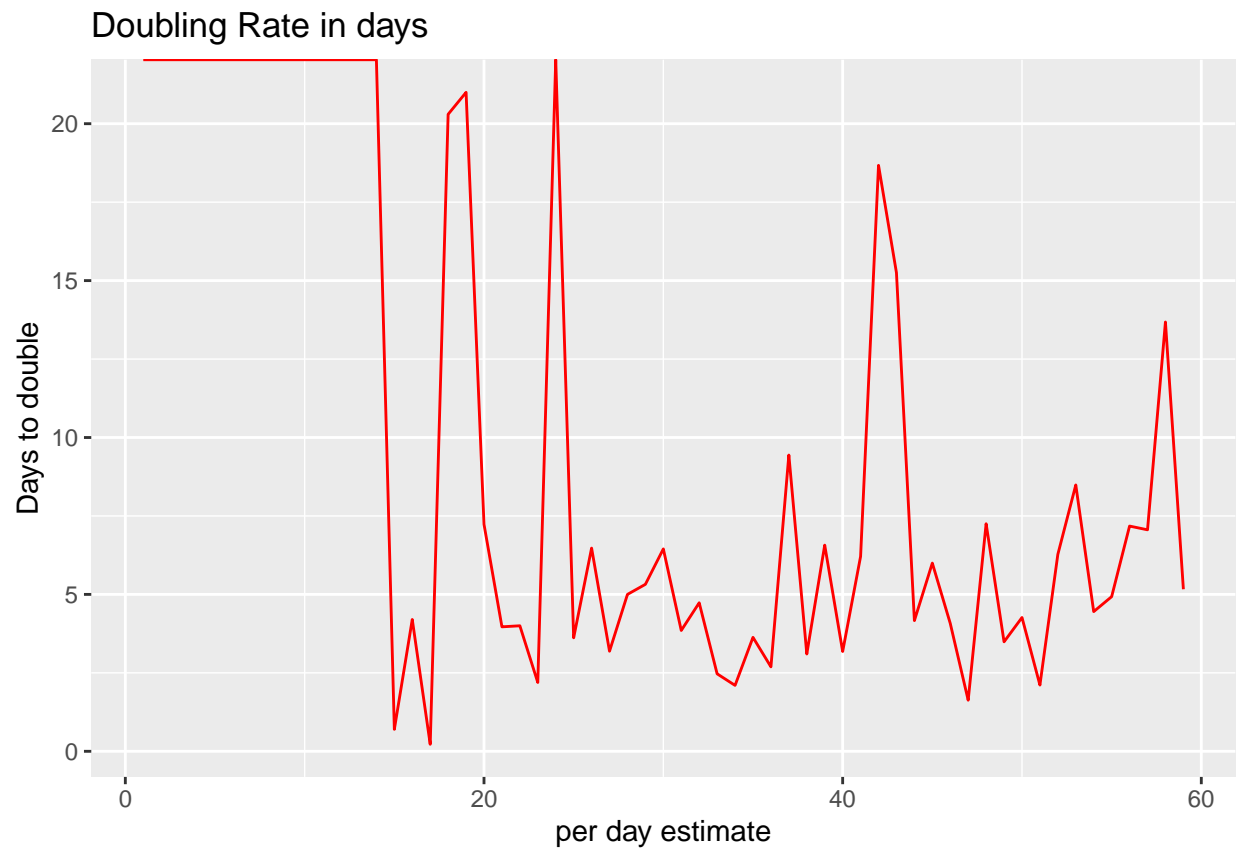
US: Rate of change in Growth Rate

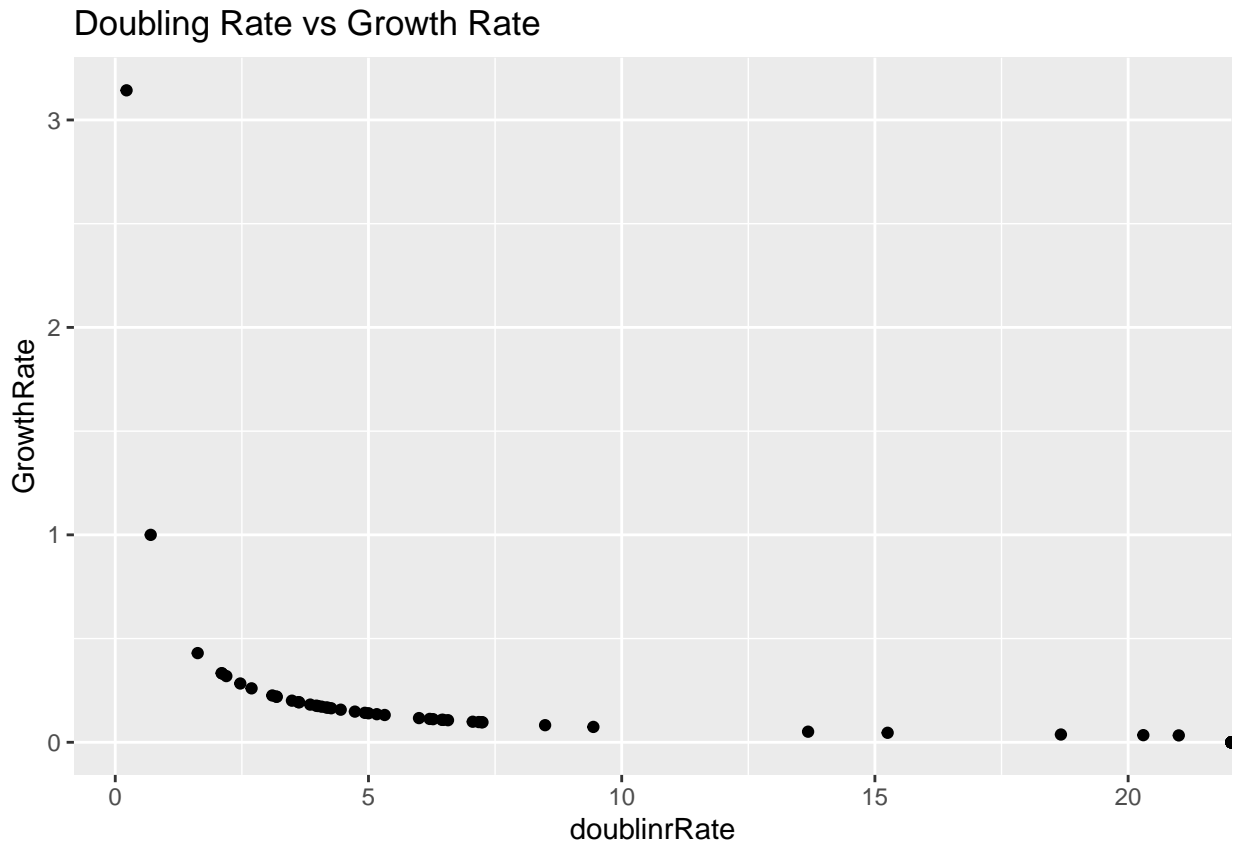


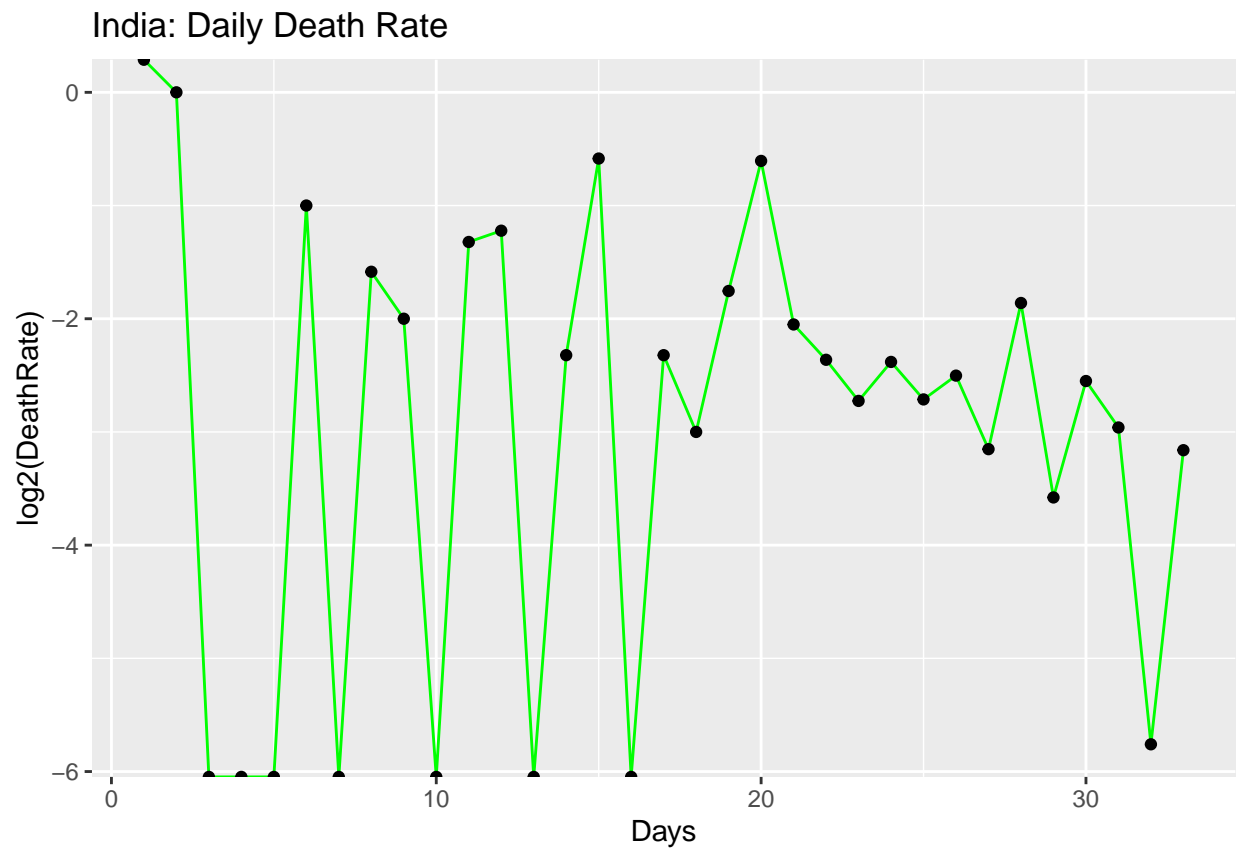


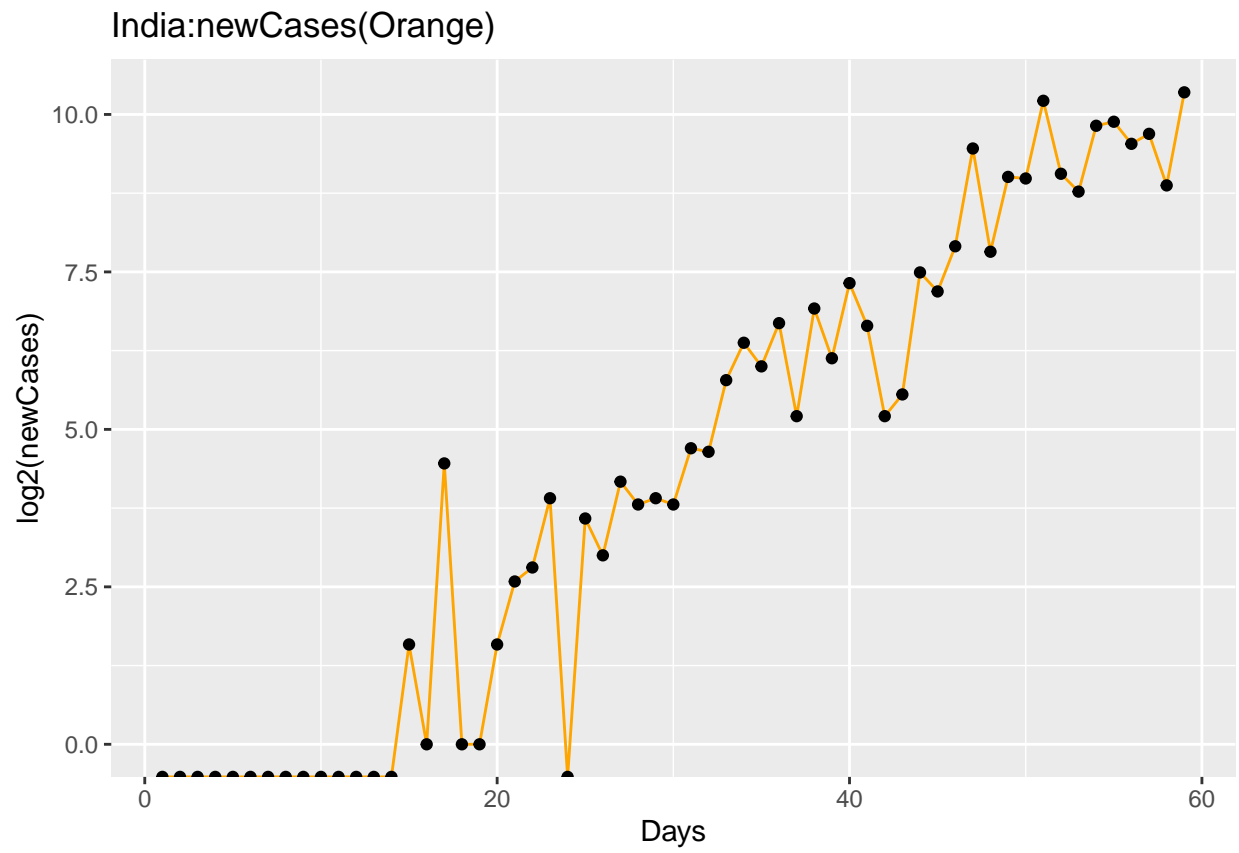


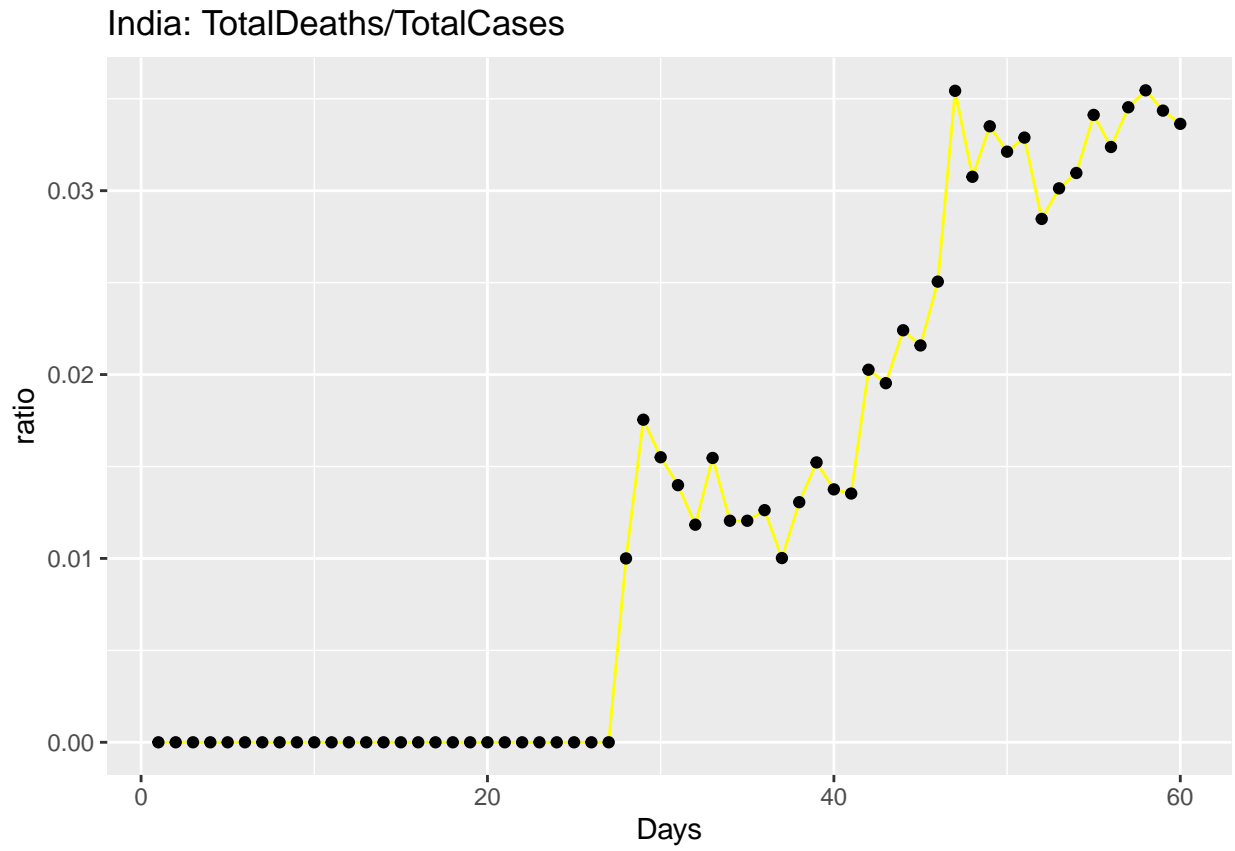


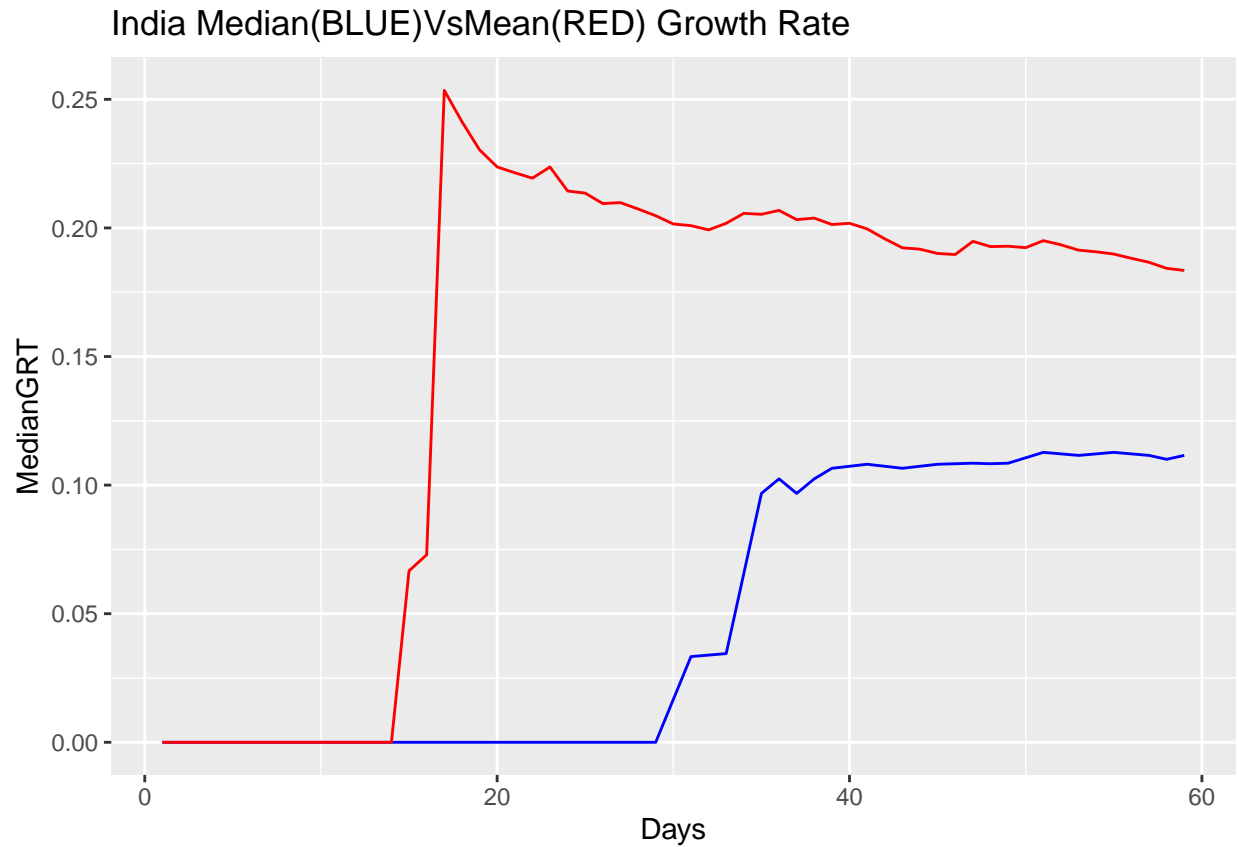












#### Results:

- Tomorrow's predicted case number is between  $1.2424025 \times 10^4$  and  $1.2948296 \times 10^4$  cases.
- Current doubling rate is **5 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 **13.5547483** percent.
- Mean Growth Rate: **18.3465504** percent.
- Median Growth Rate: **11.1552951** percent.
- Standard deviation: +/- **42.0831955**.