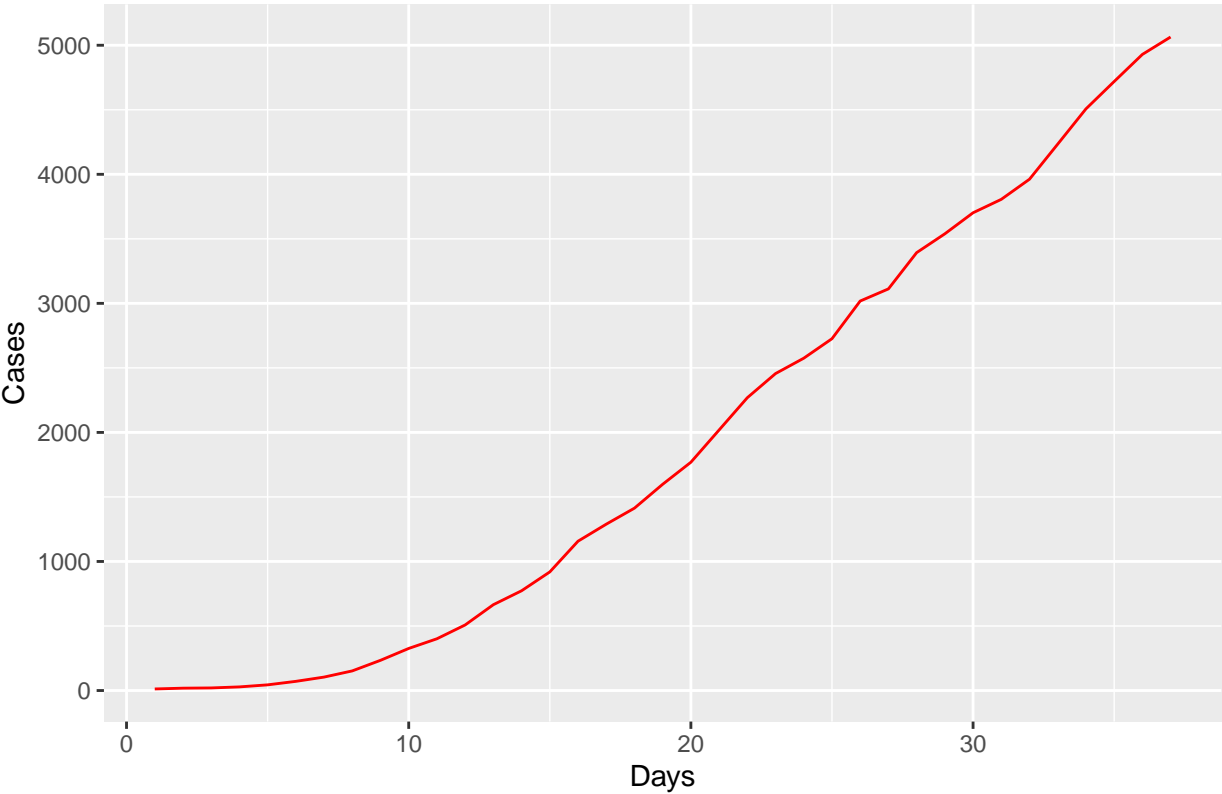


# Arizona/US/India Corona Trends- 20th April 2020 with tomorrow's prediction

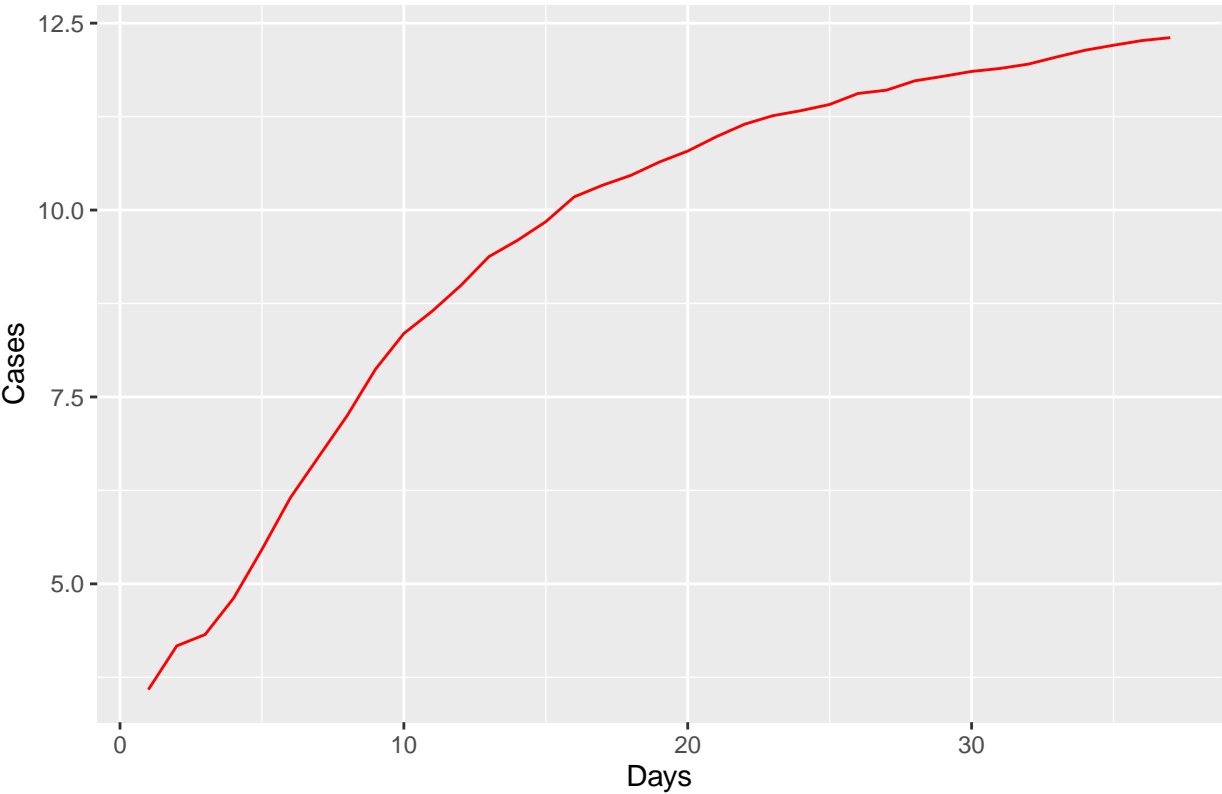
Whitchurch Muthumani

4/20/2020

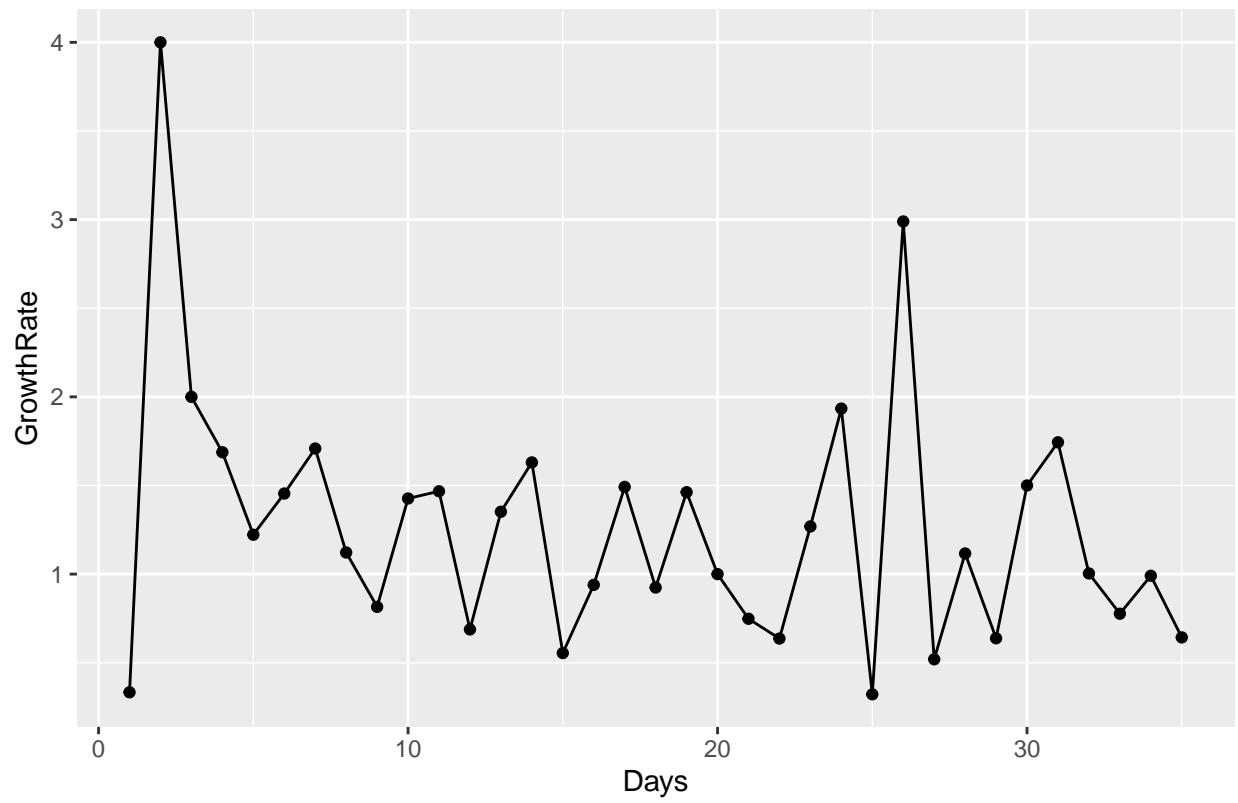
Arizona: Daily Cases



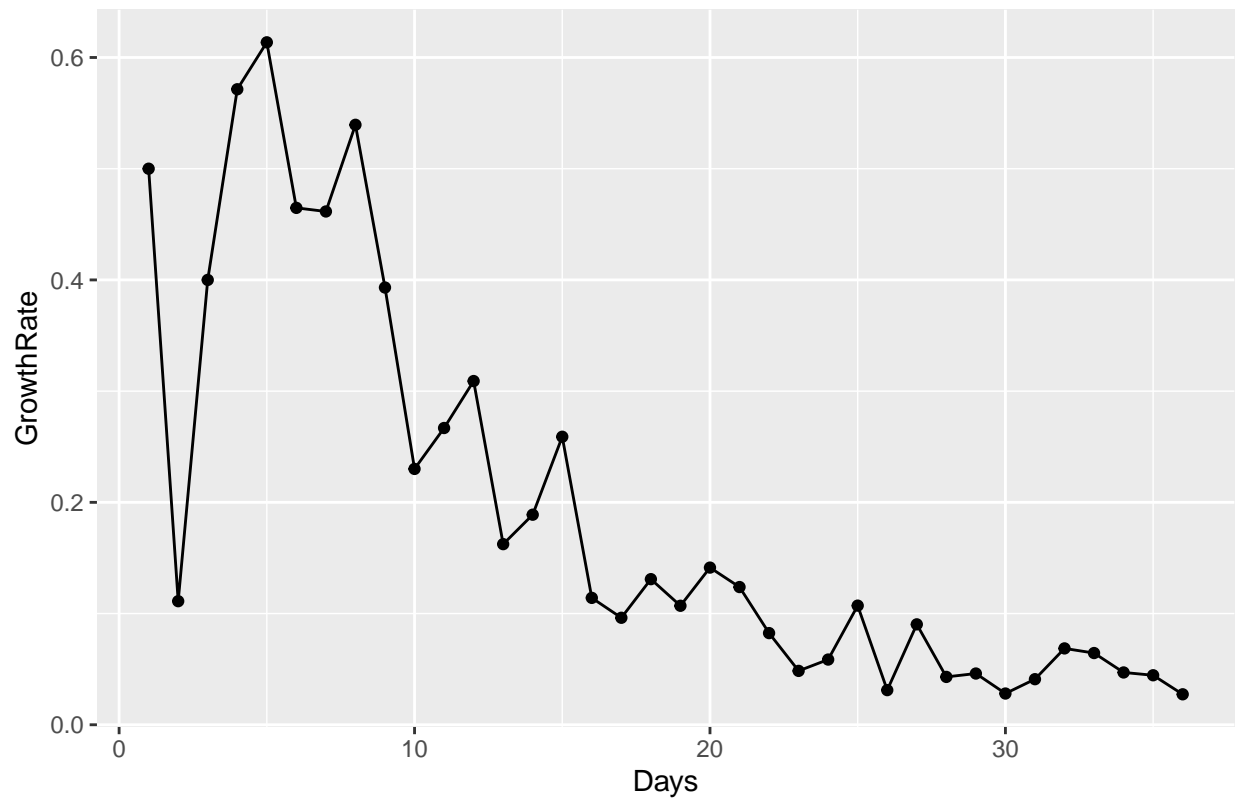
Arizona: Daily Cases

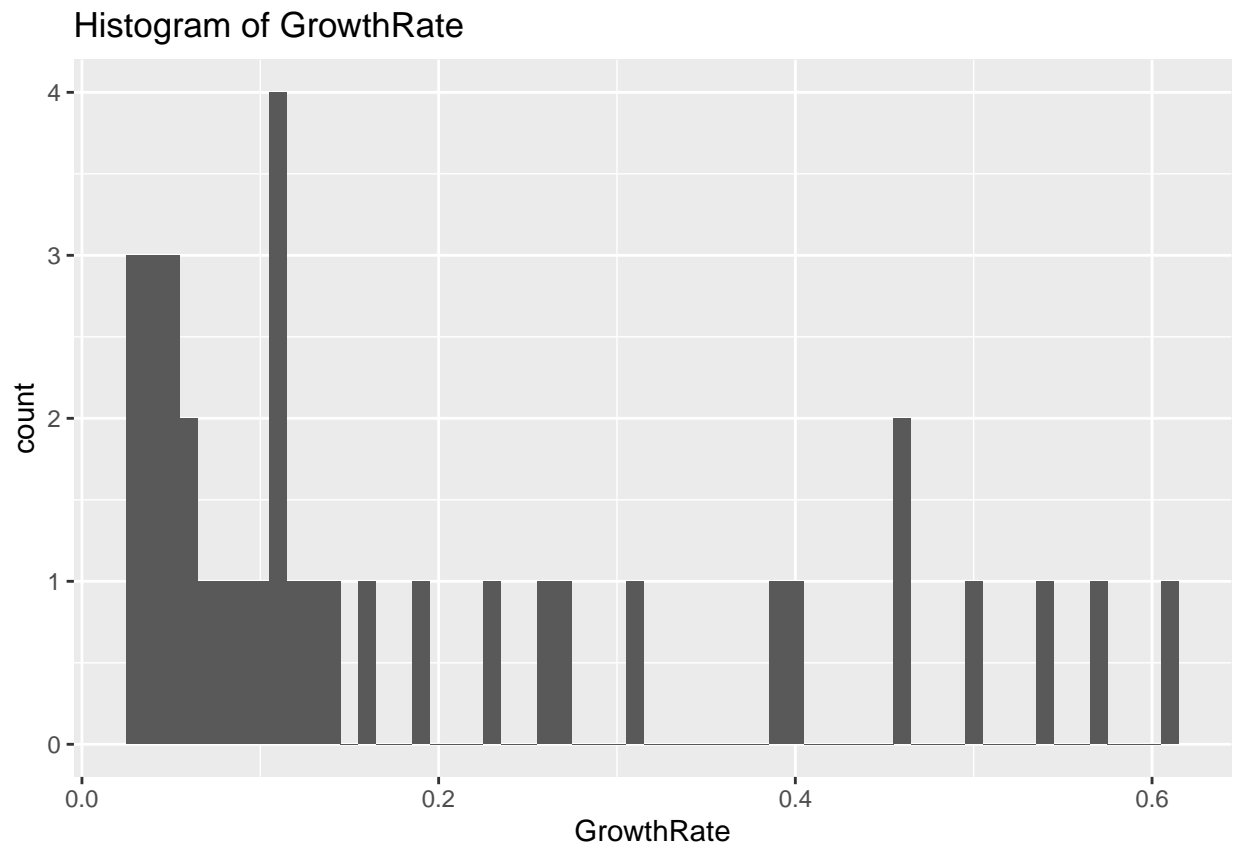


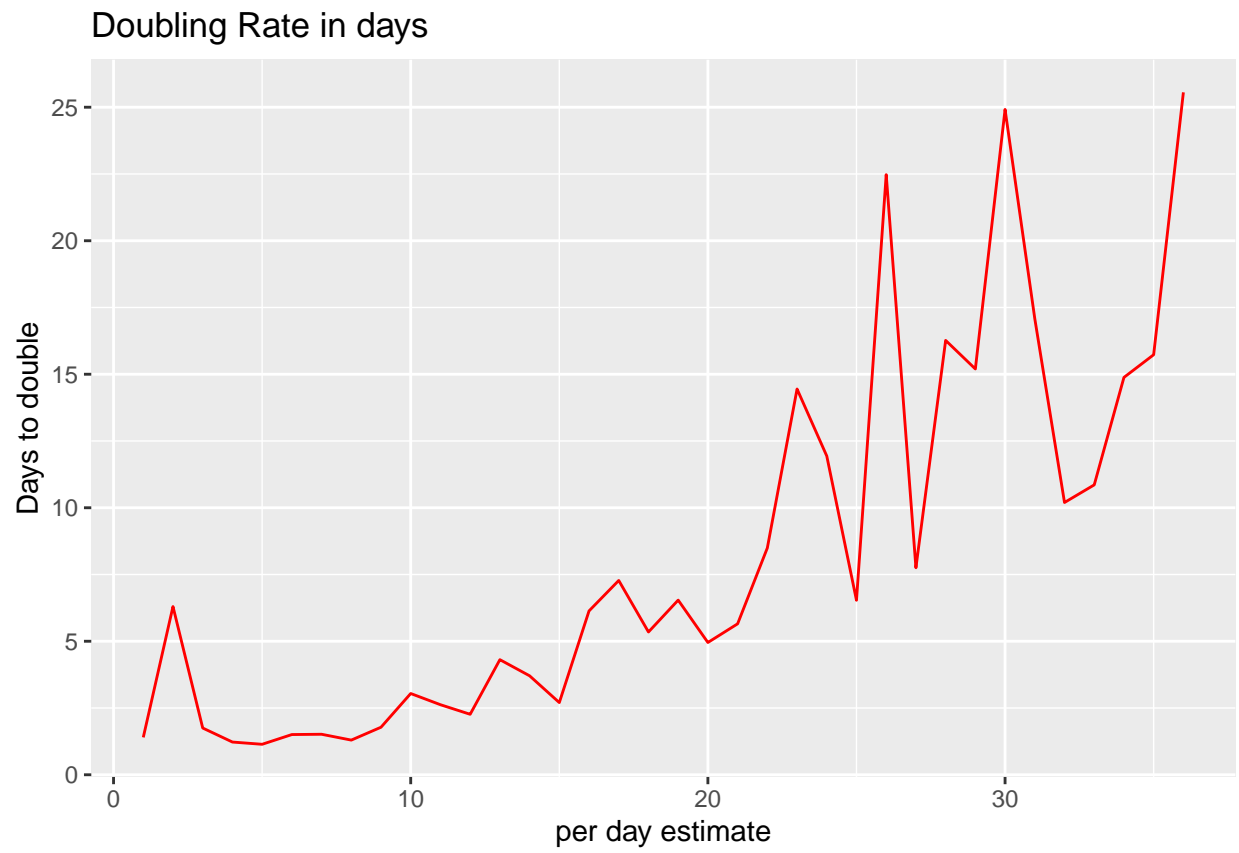
Arizona: Rate of change in Growth Rate

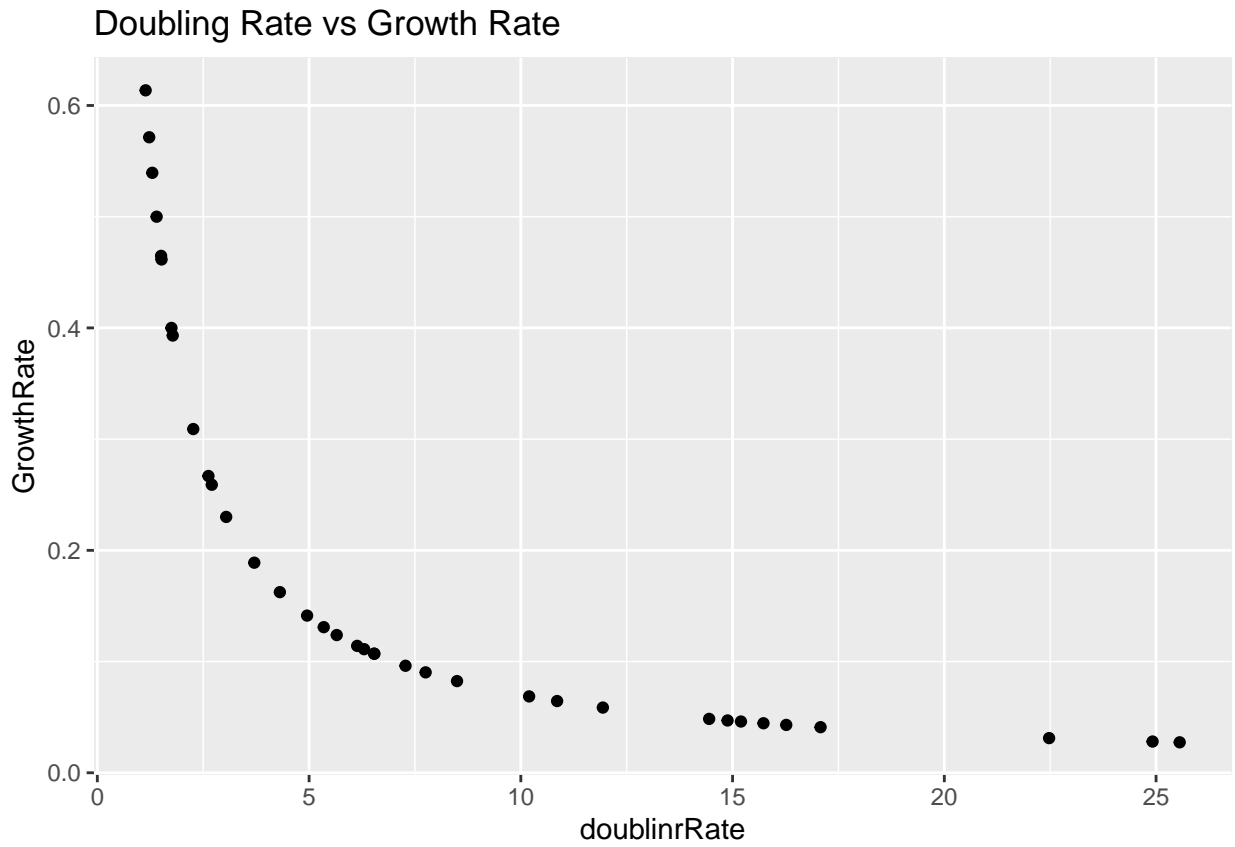


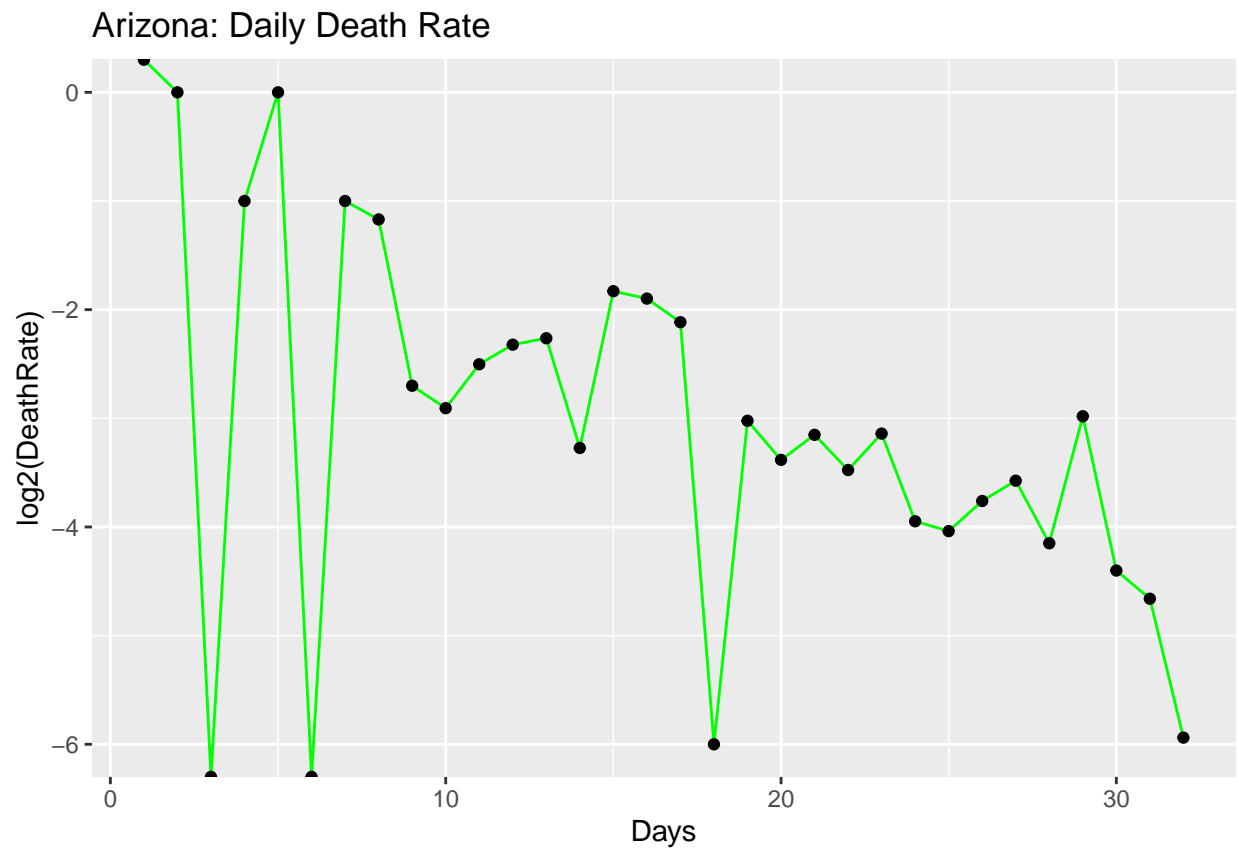
Arizona: Growth Rate



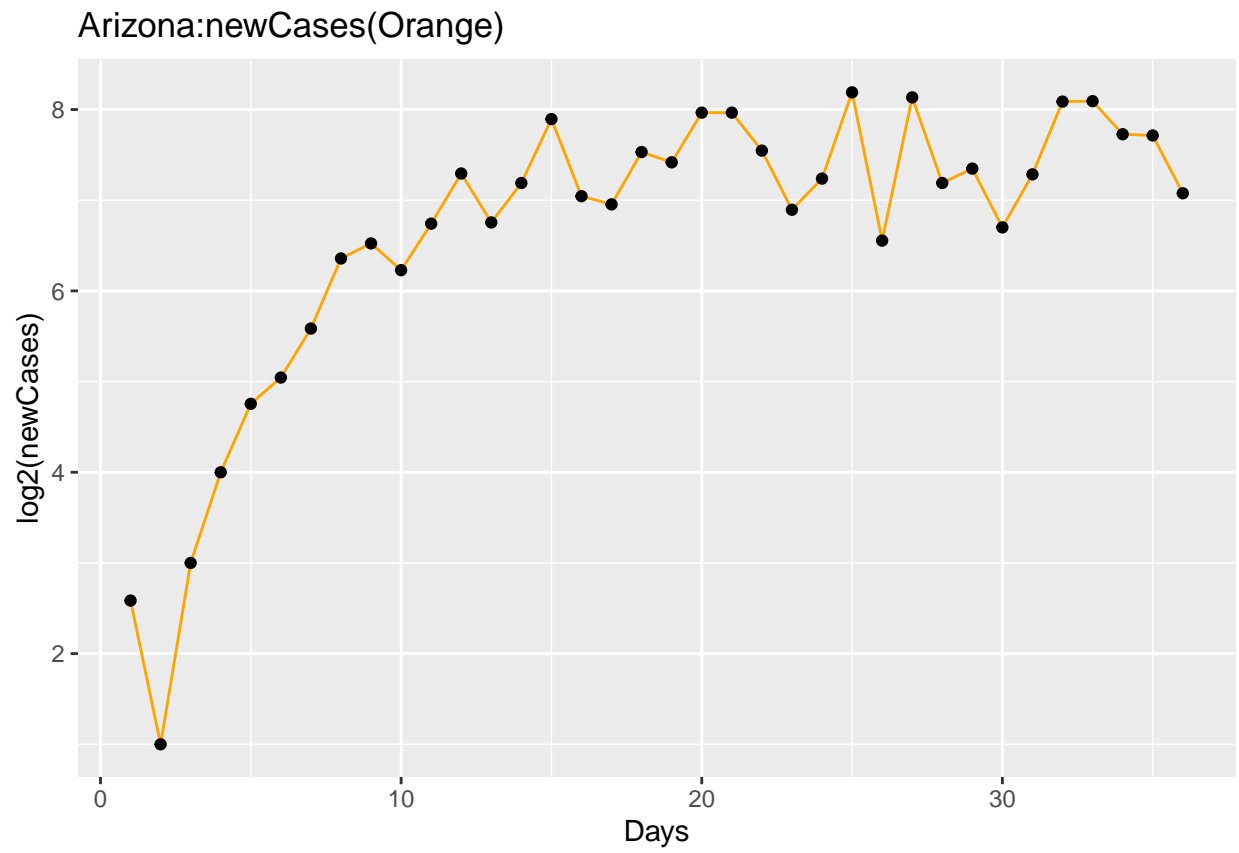




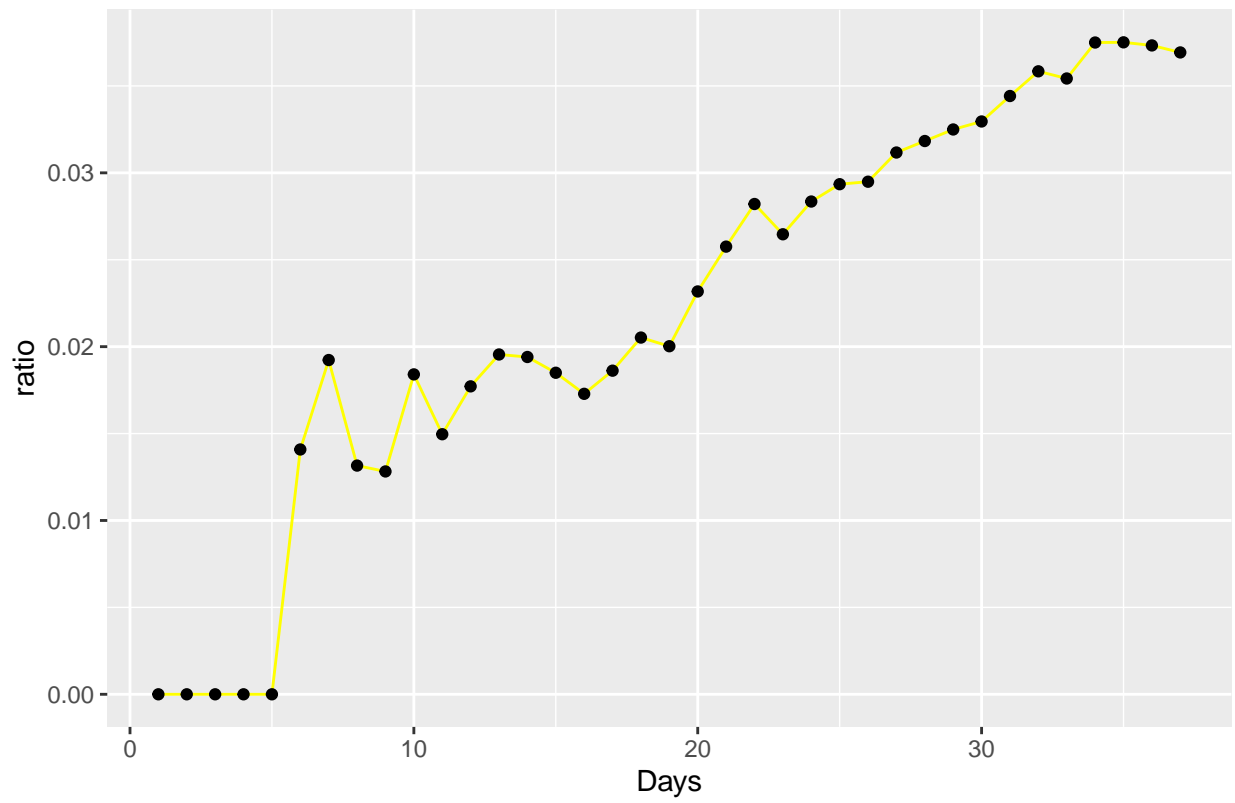


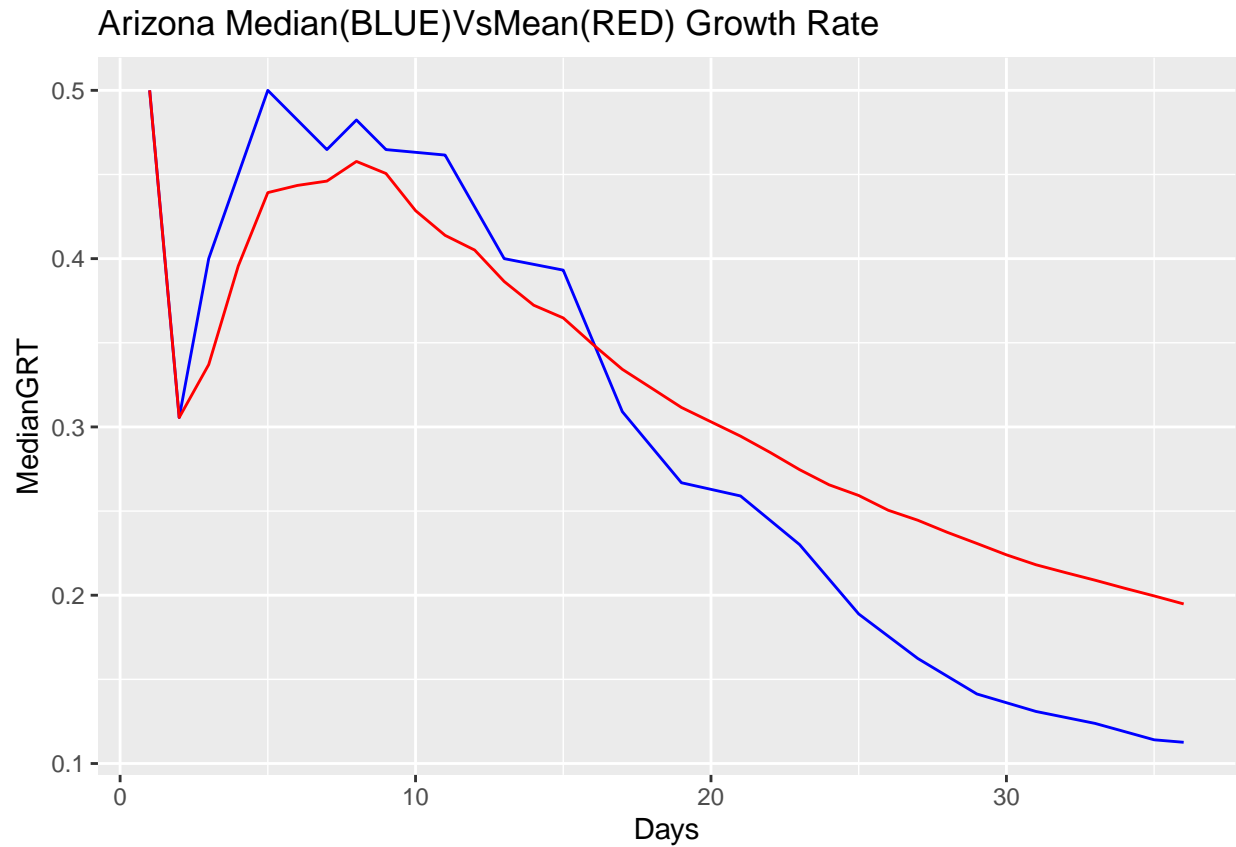






Arizona: TotalDeaths/TotalCases



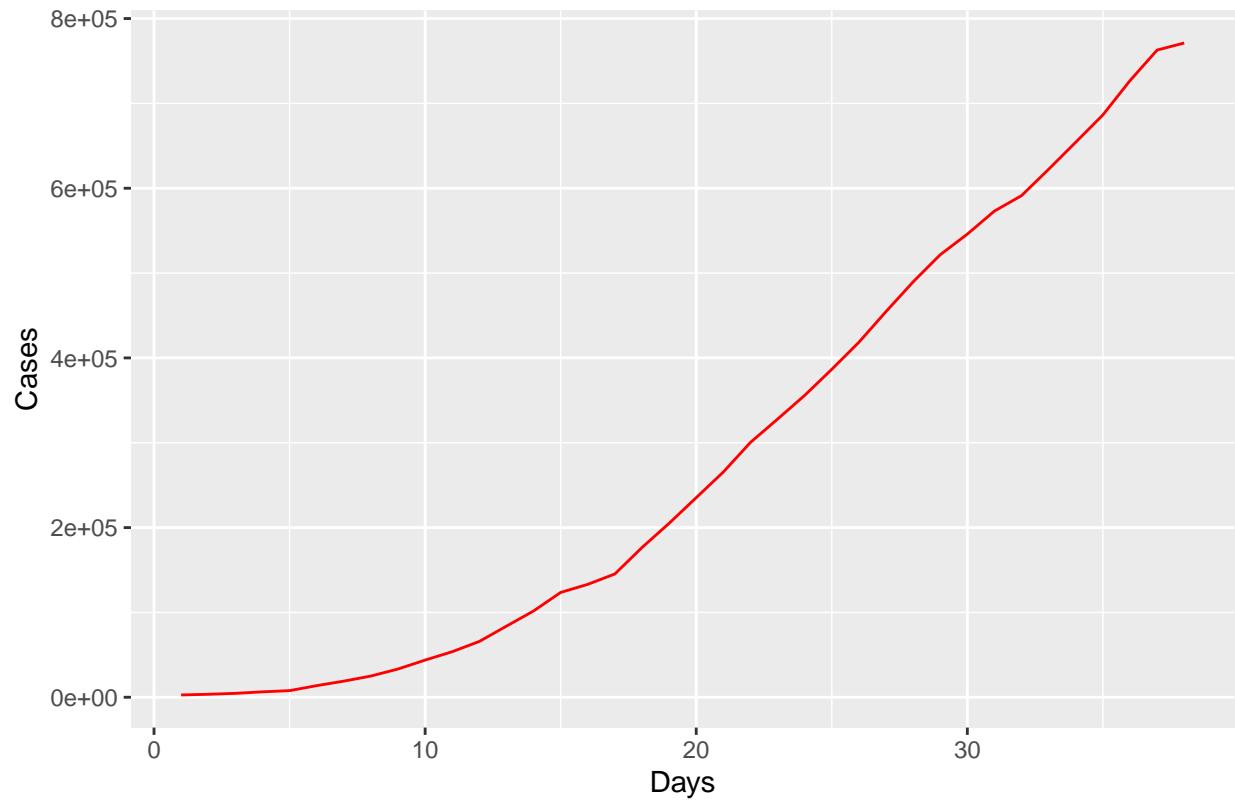


#### Results:

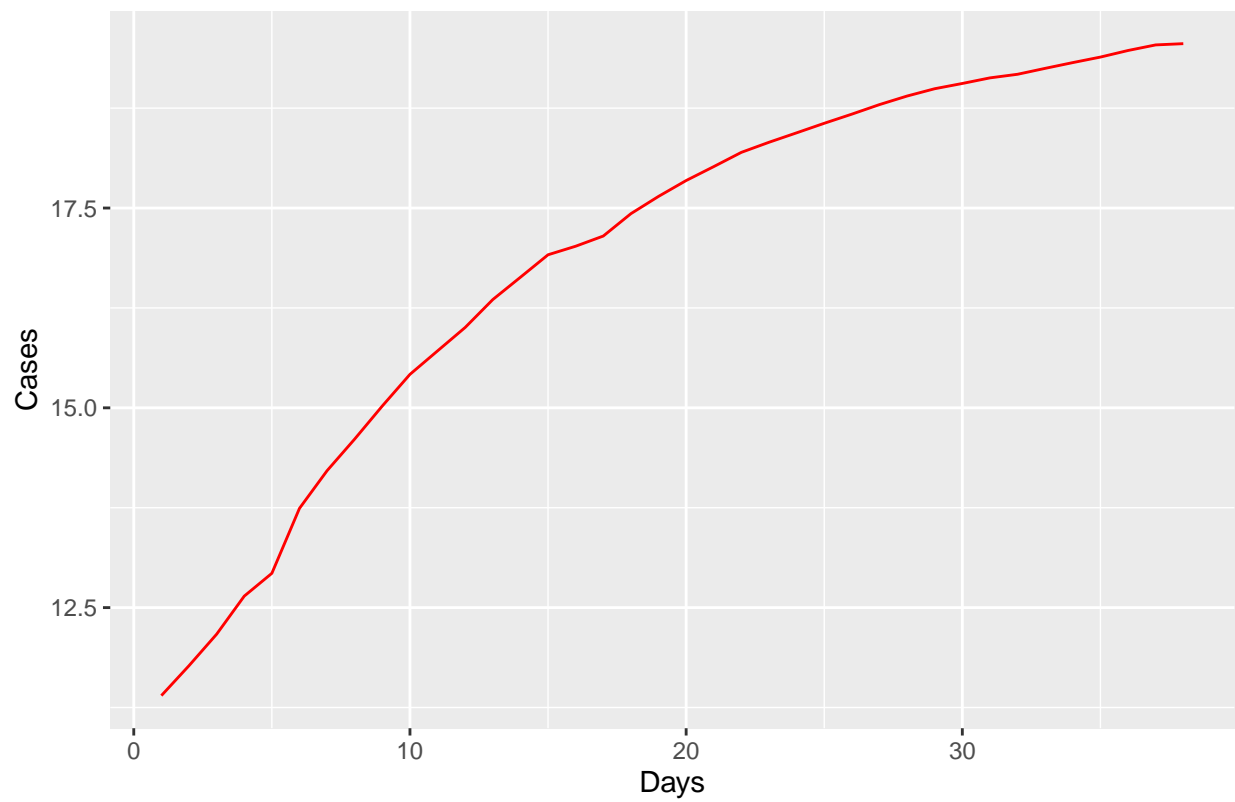
- Tomorrow's predicted case number is between **5202.6975046** and **6050.496708** cases.
- Current doubling rate is **26 days**
- Mean doubling rate, i.e number of cases doubles every **4 days**.
- Median doubling rate, i.e number of cases doubles every **6 days**.
- Latest Observed Growth Rate **2.7388923** percent.
- Mean Growth Rate: **19.4805827** percent.
- Median Growth Rate: **11.2599635** percent.
- Standard deviation: +/- **17.9066339**.

## US Corona Dashboard

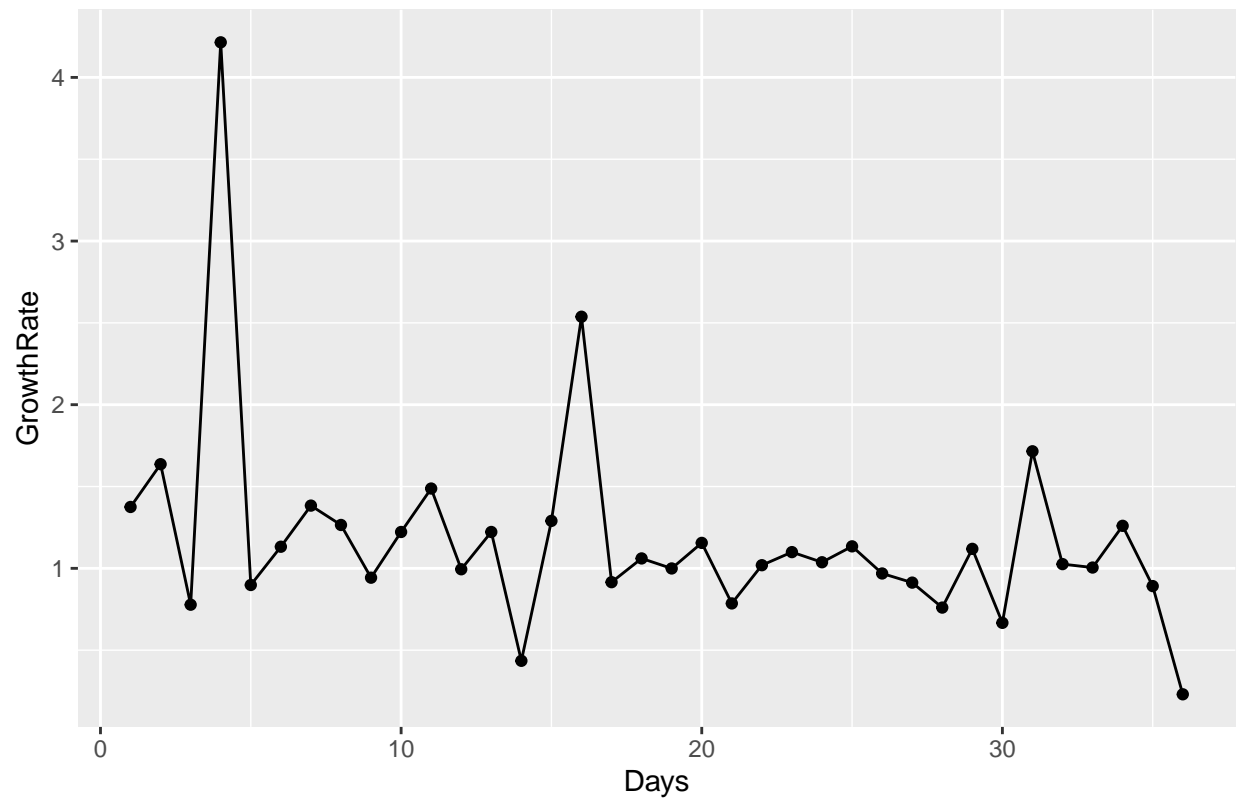
### US: Daily Cases



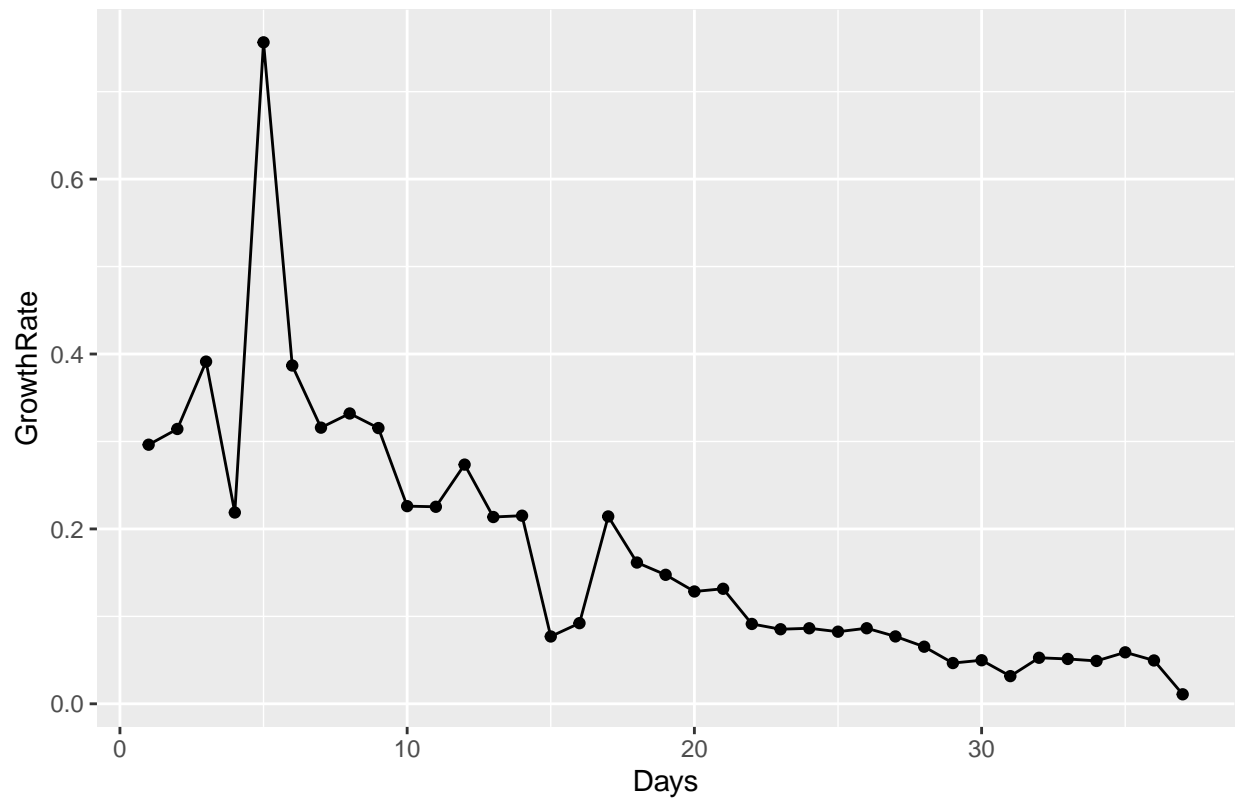
### US: Daily Cases

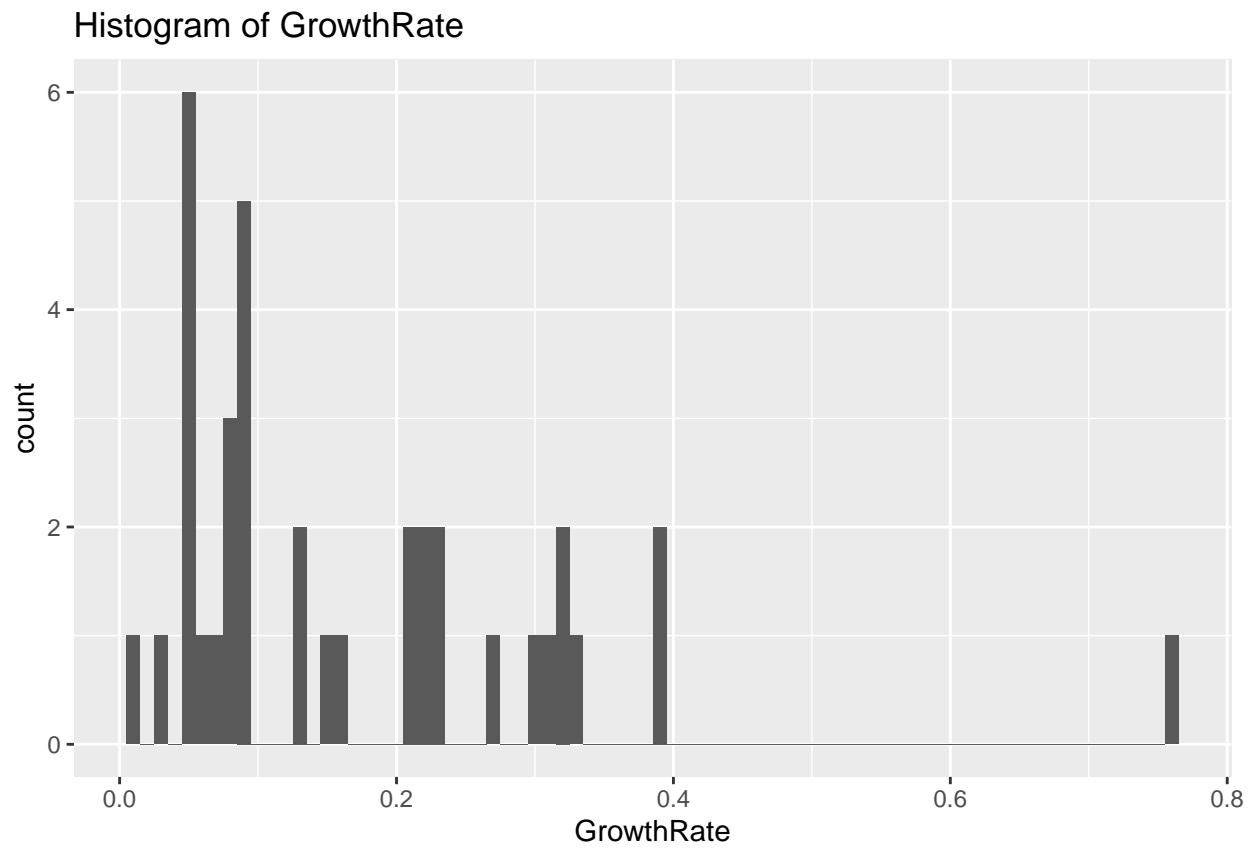


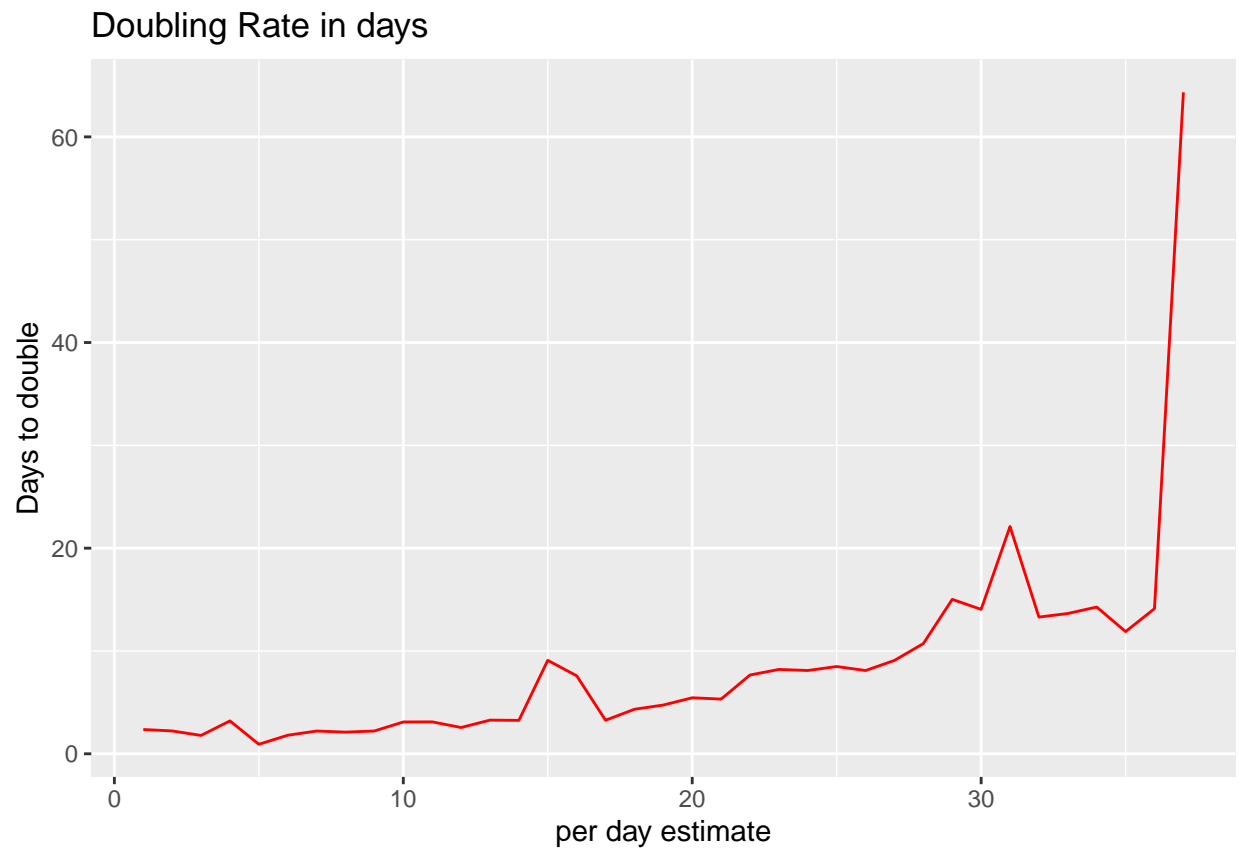
US: Rate of change in Growth Rate



US: Growth Rate

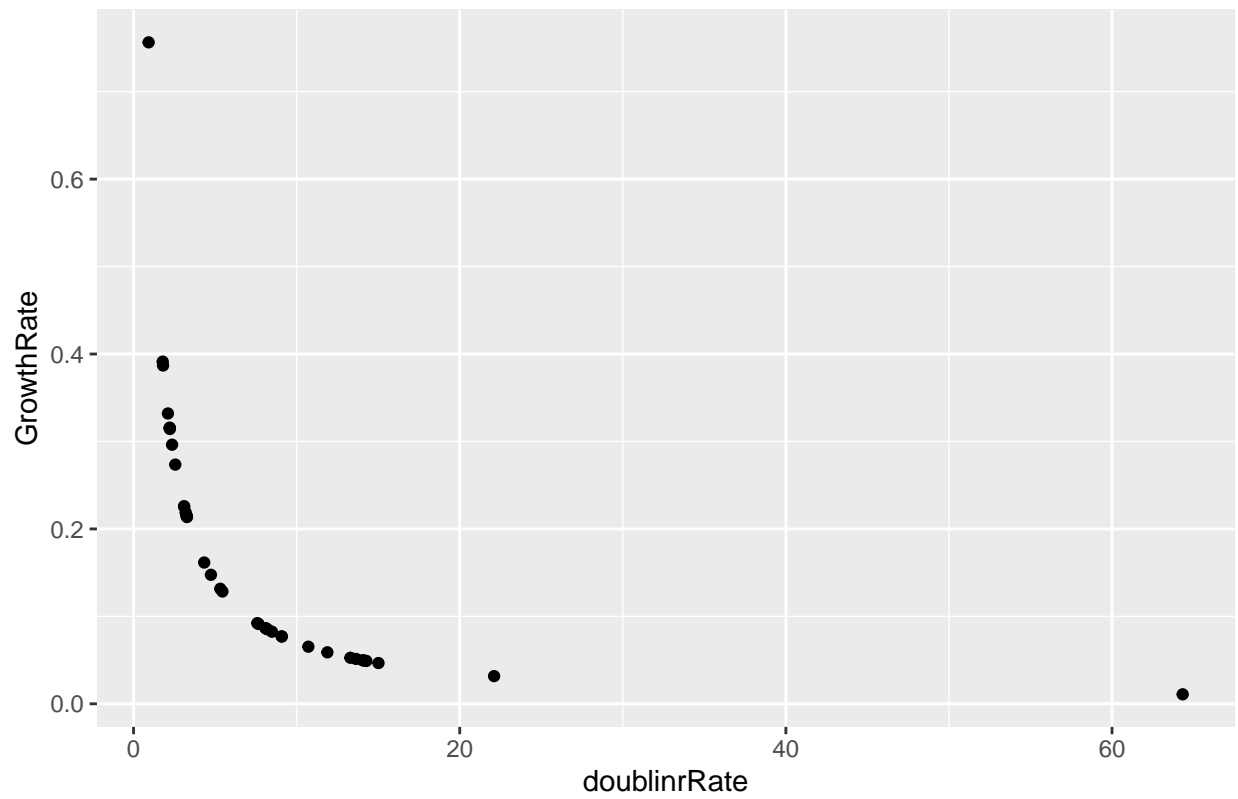




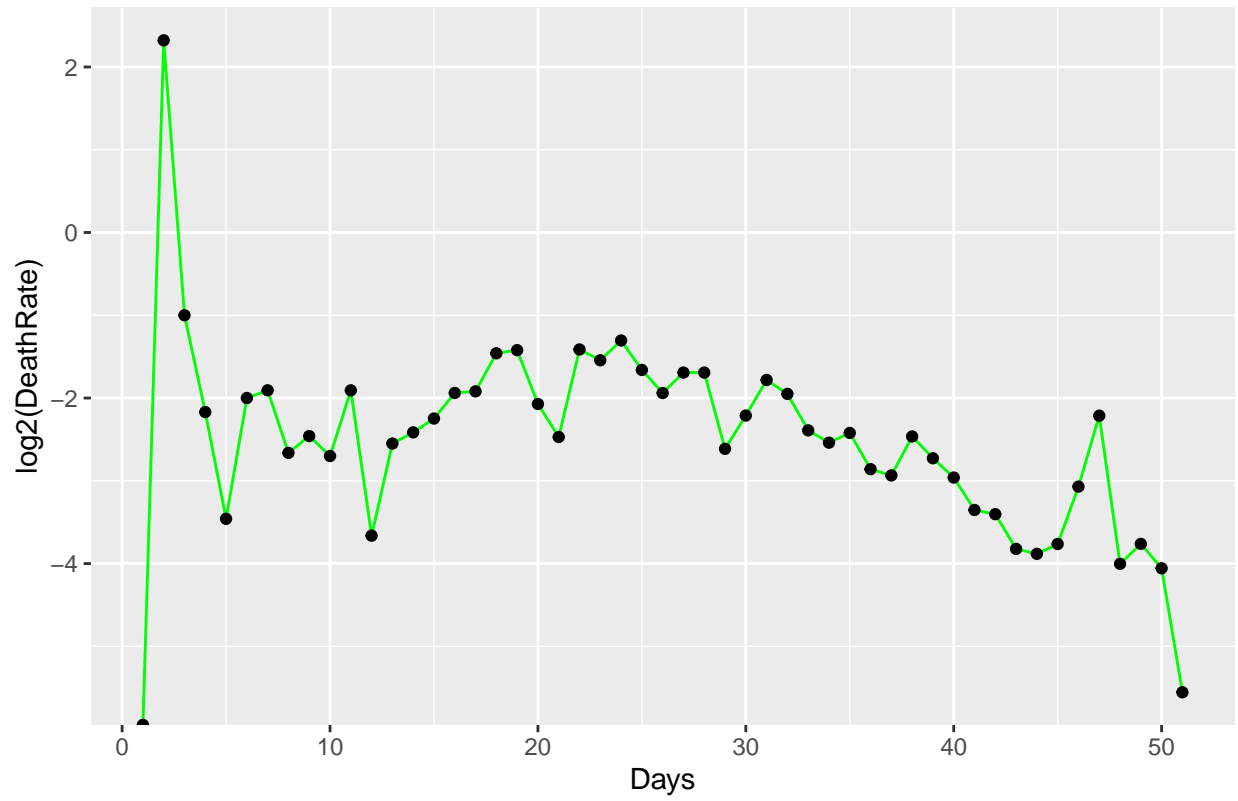


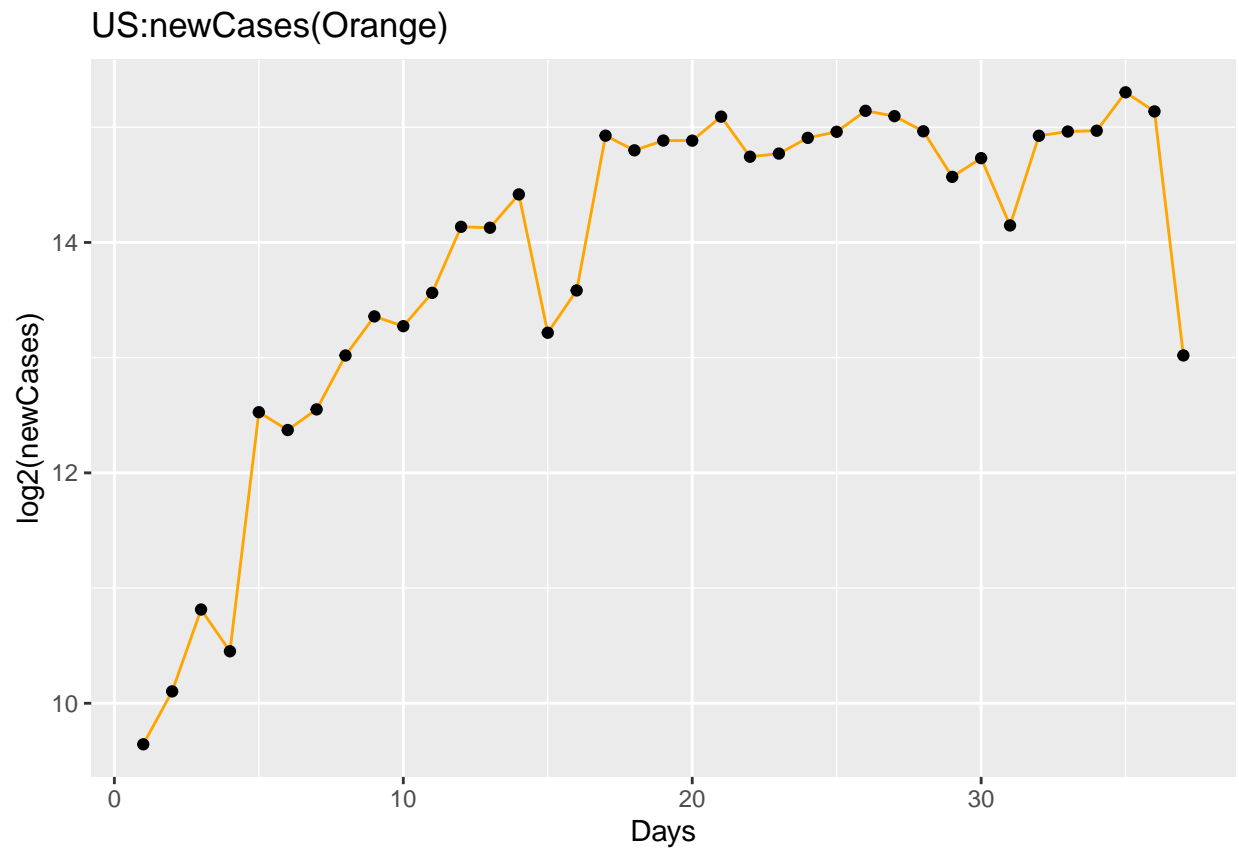


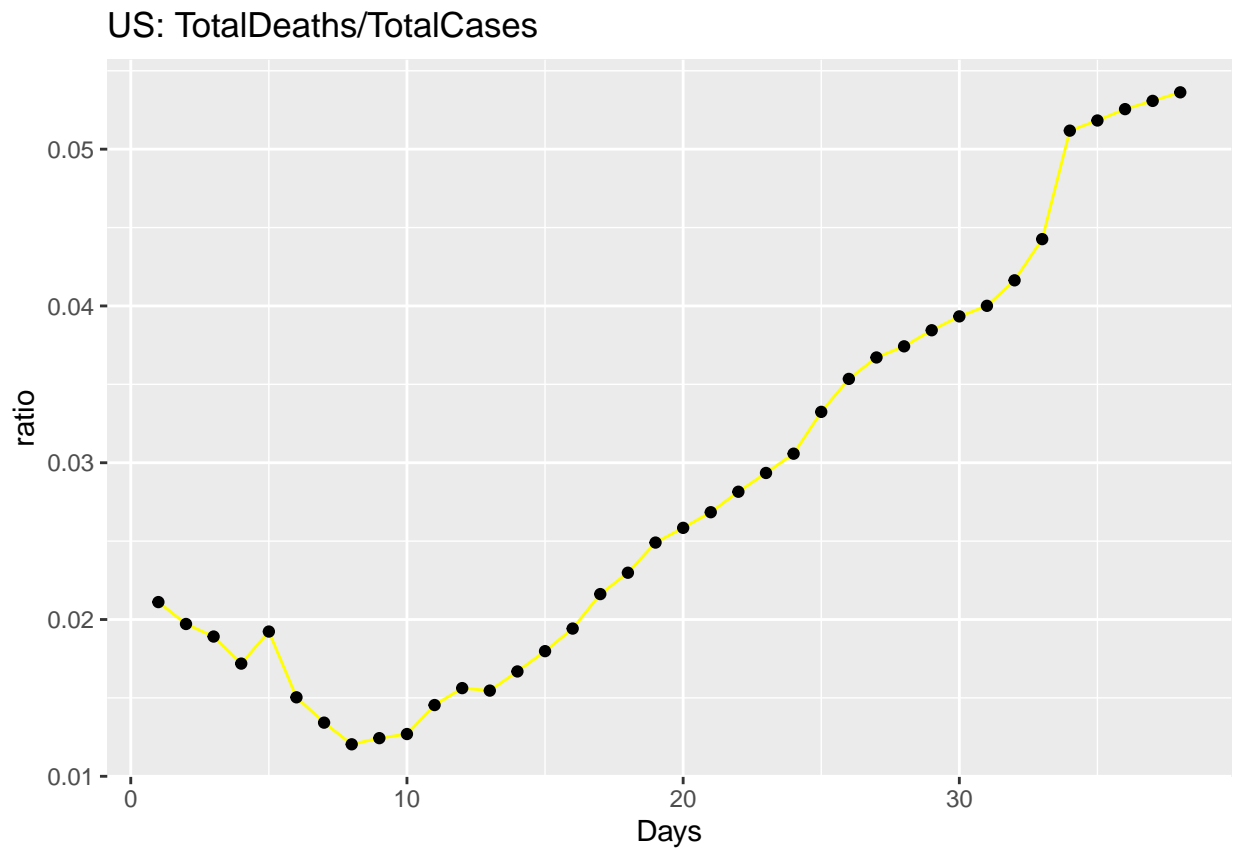
Doubling Rate vs Growth Rate

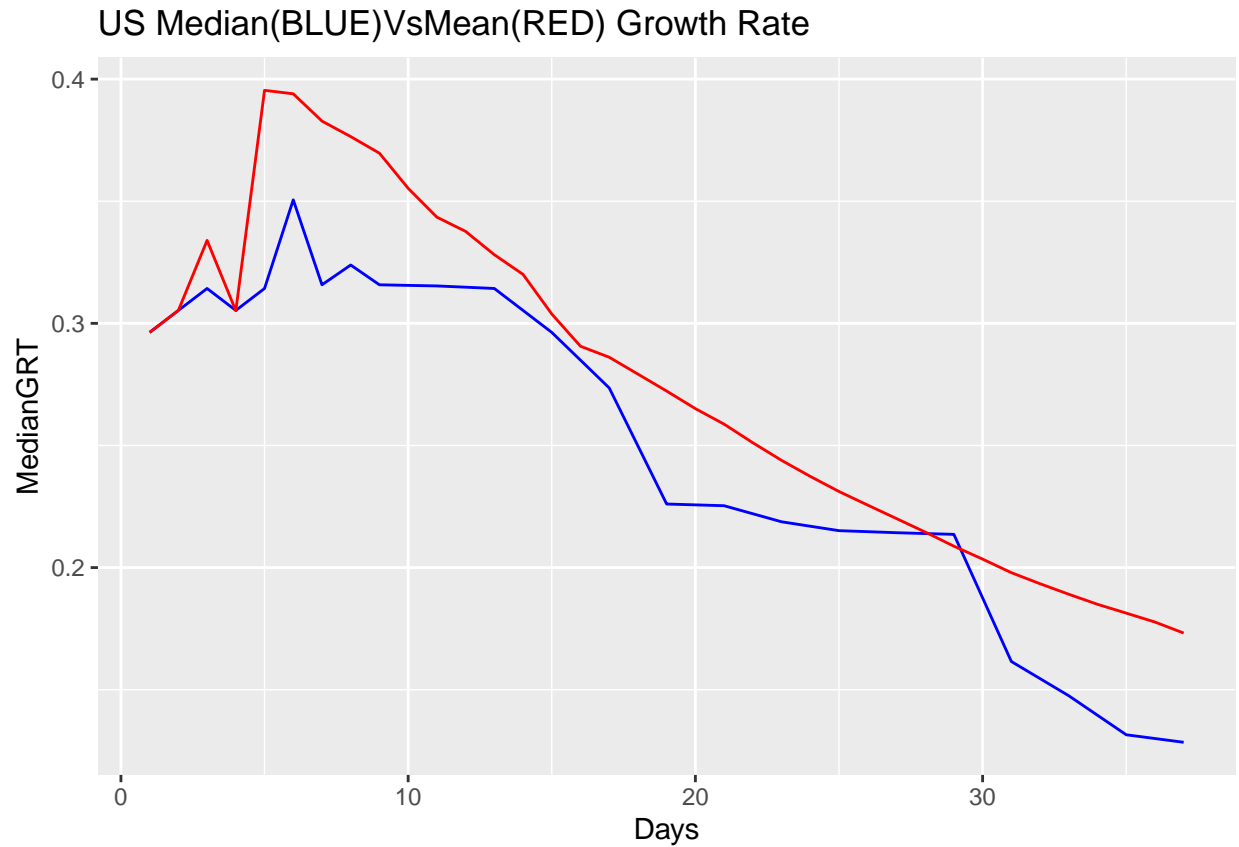


US: Daily Death Rate







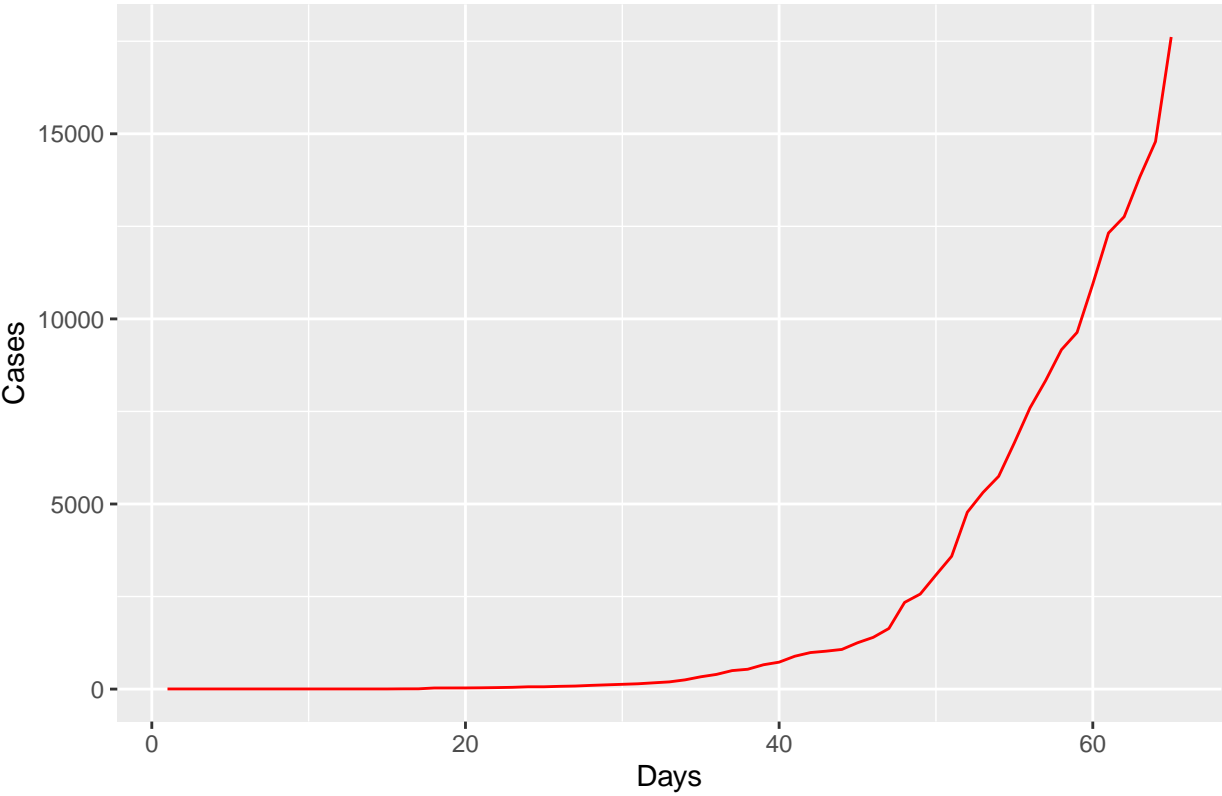


#### Results:

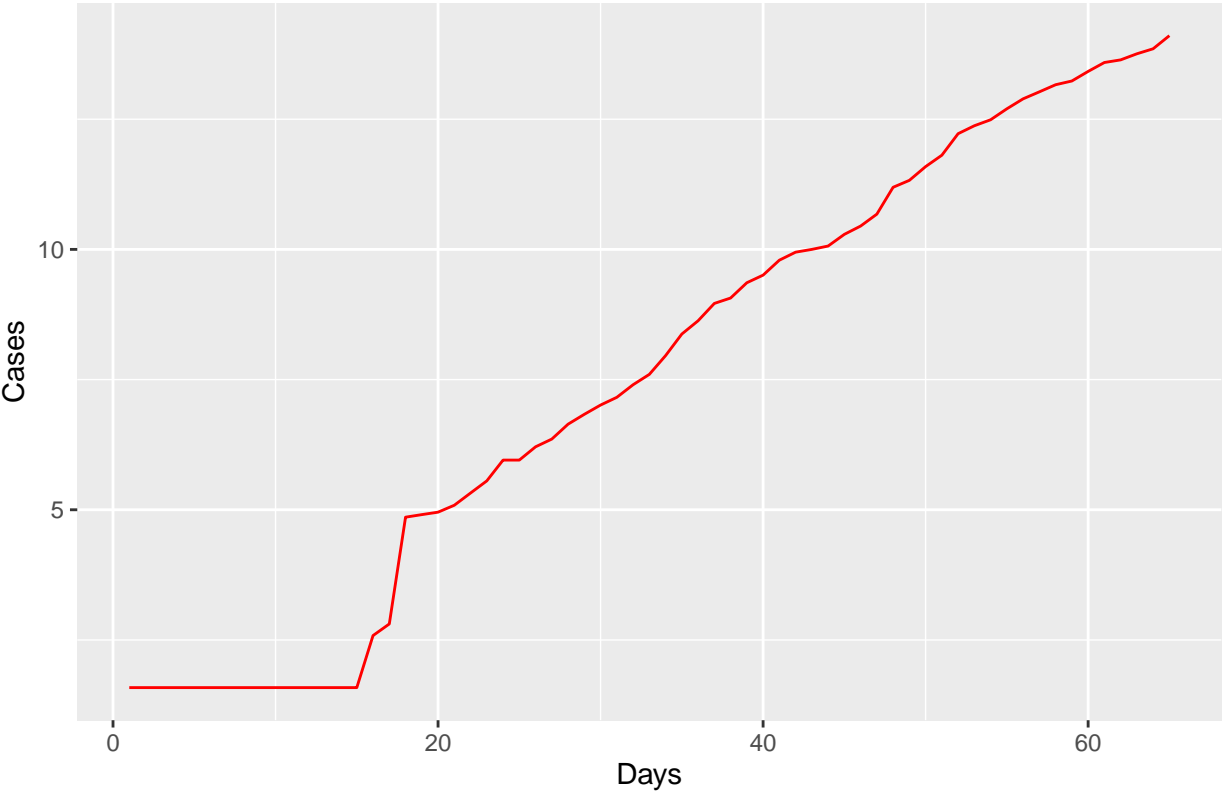
- Tomorrow's predicted case number is between  $7.7958832 \times 10^5$  and  $9.0475844 \times 10^5$  cases.
- Current doubling rate is **64 days**
- Mean doubling rate, i.e number of cases doubles every **4 days**.
- Median doubling rate, i.e number of cases doubles every **5 days**.
- Latest Observed Growth Rate **1.0880906** percent.
- Mean Growth Rate: **17.3187194** percent.
- Median Growth Rate: **12.8463412** percent.
- Standard deviation: +/- **14.7820339**.

India Corona Dashboard

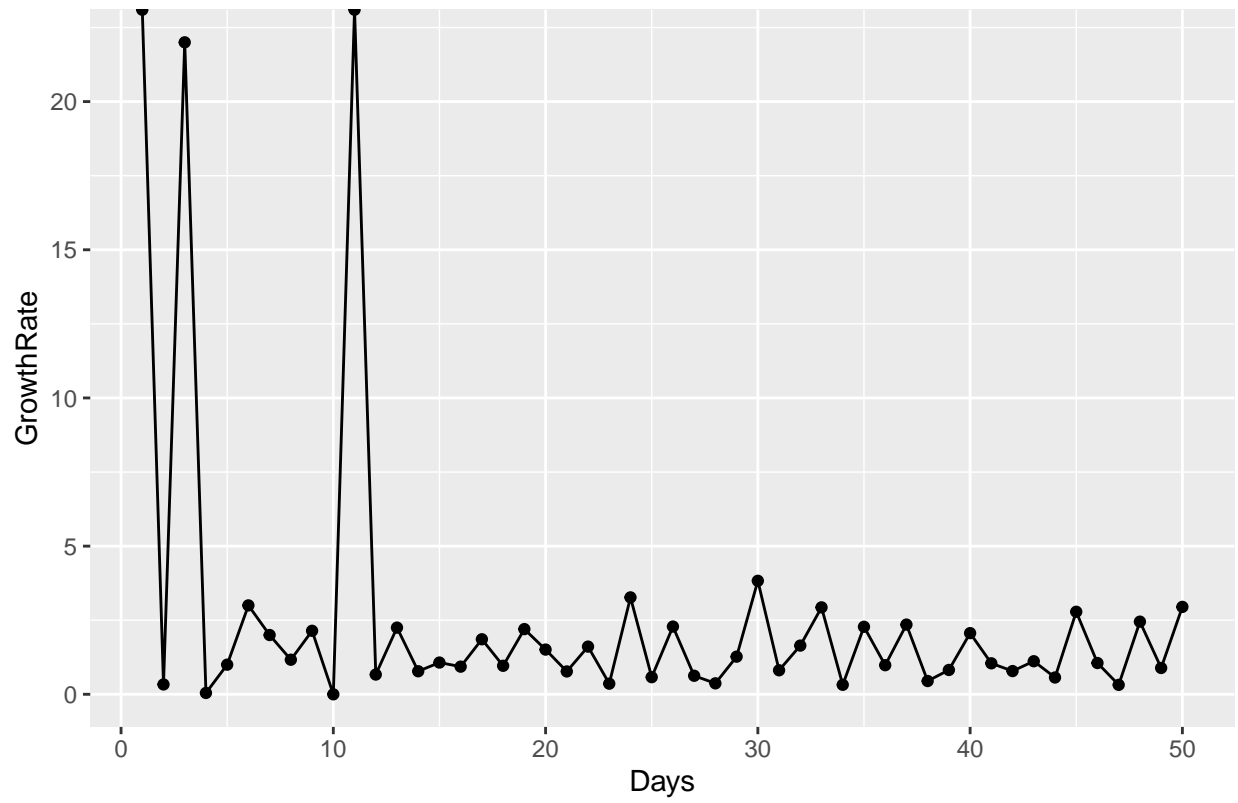
India: Daily Cases

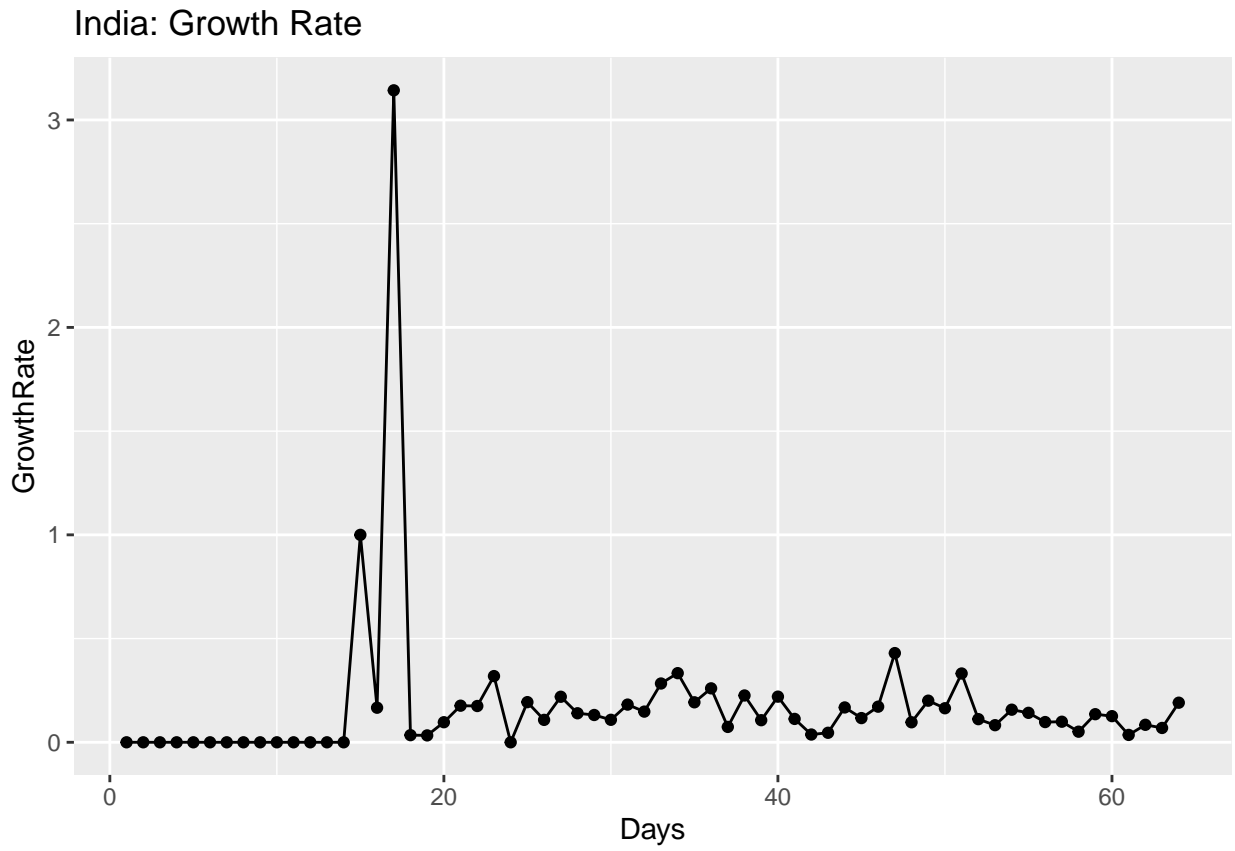


India: Daily Cases

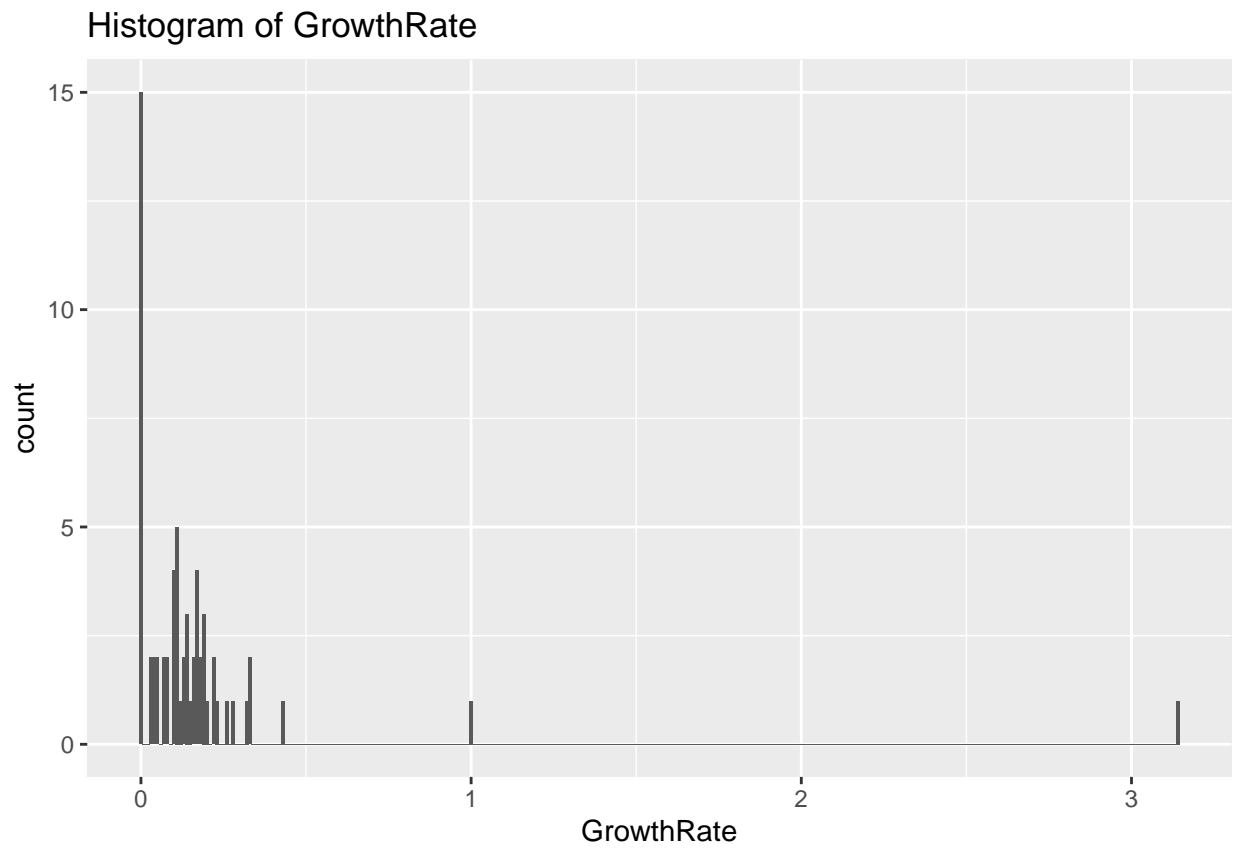


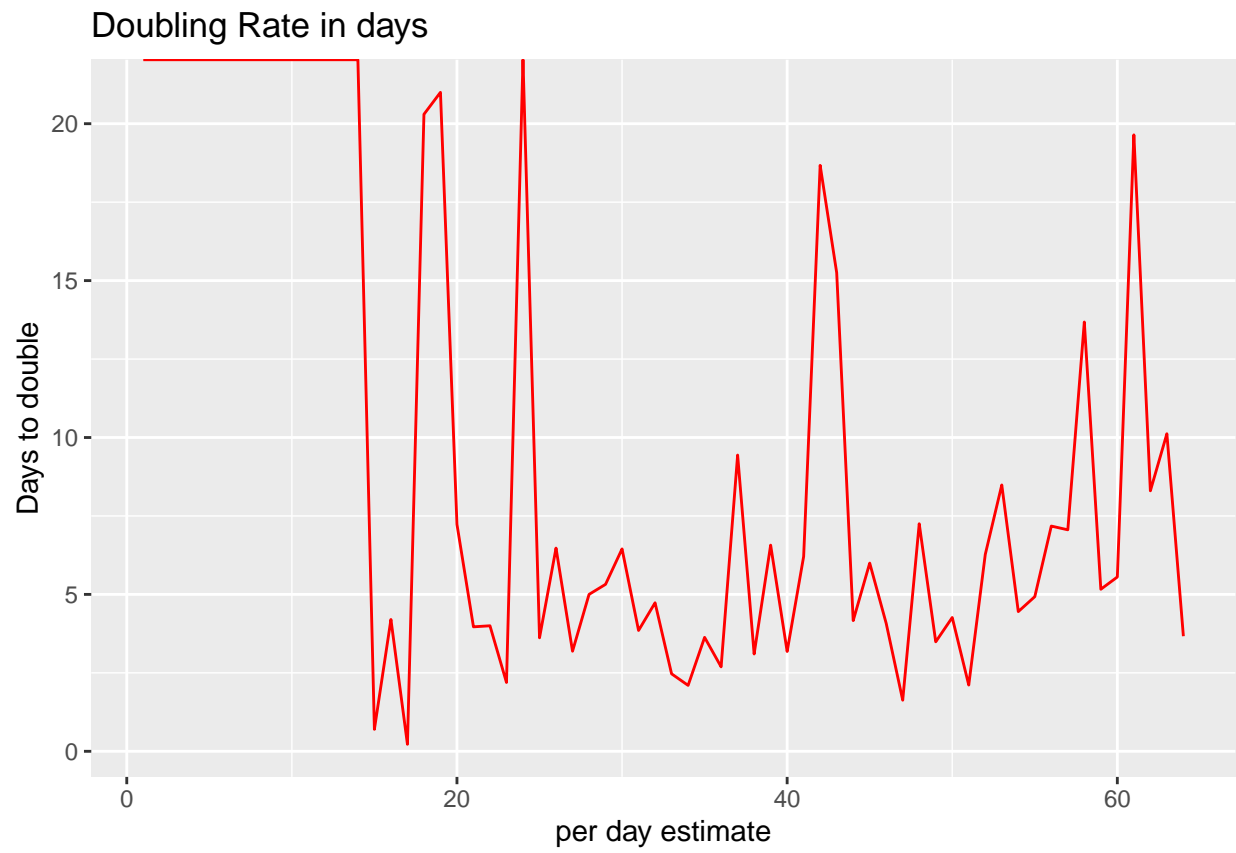
US: Rate of change in Growth Rate

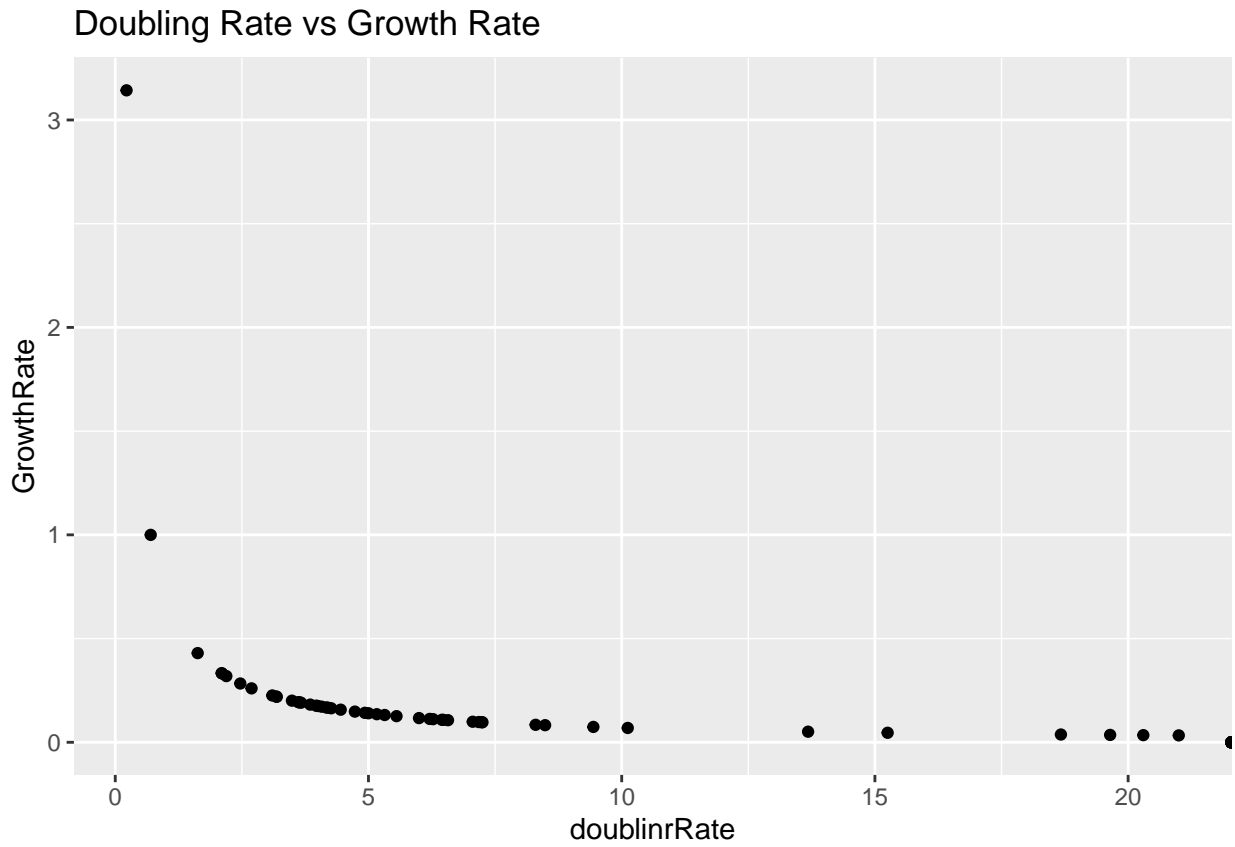


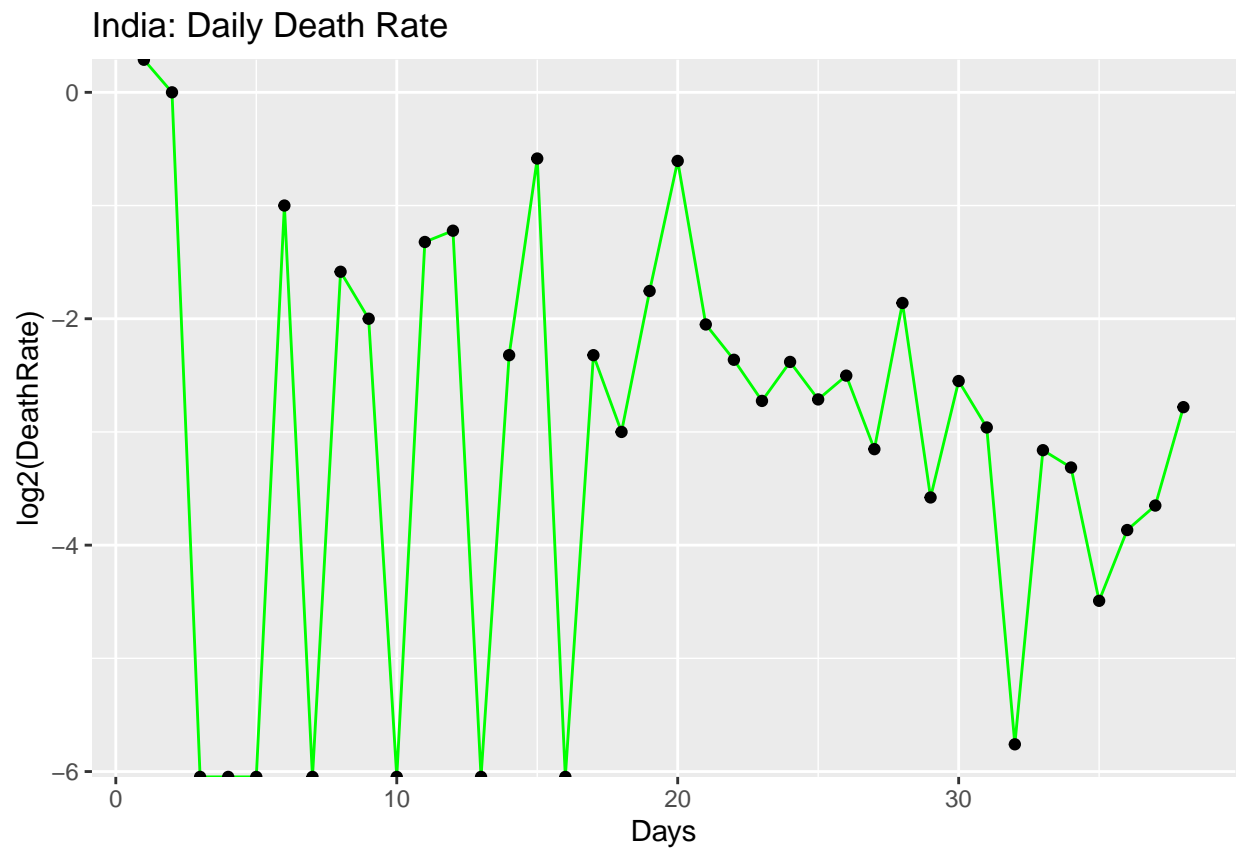


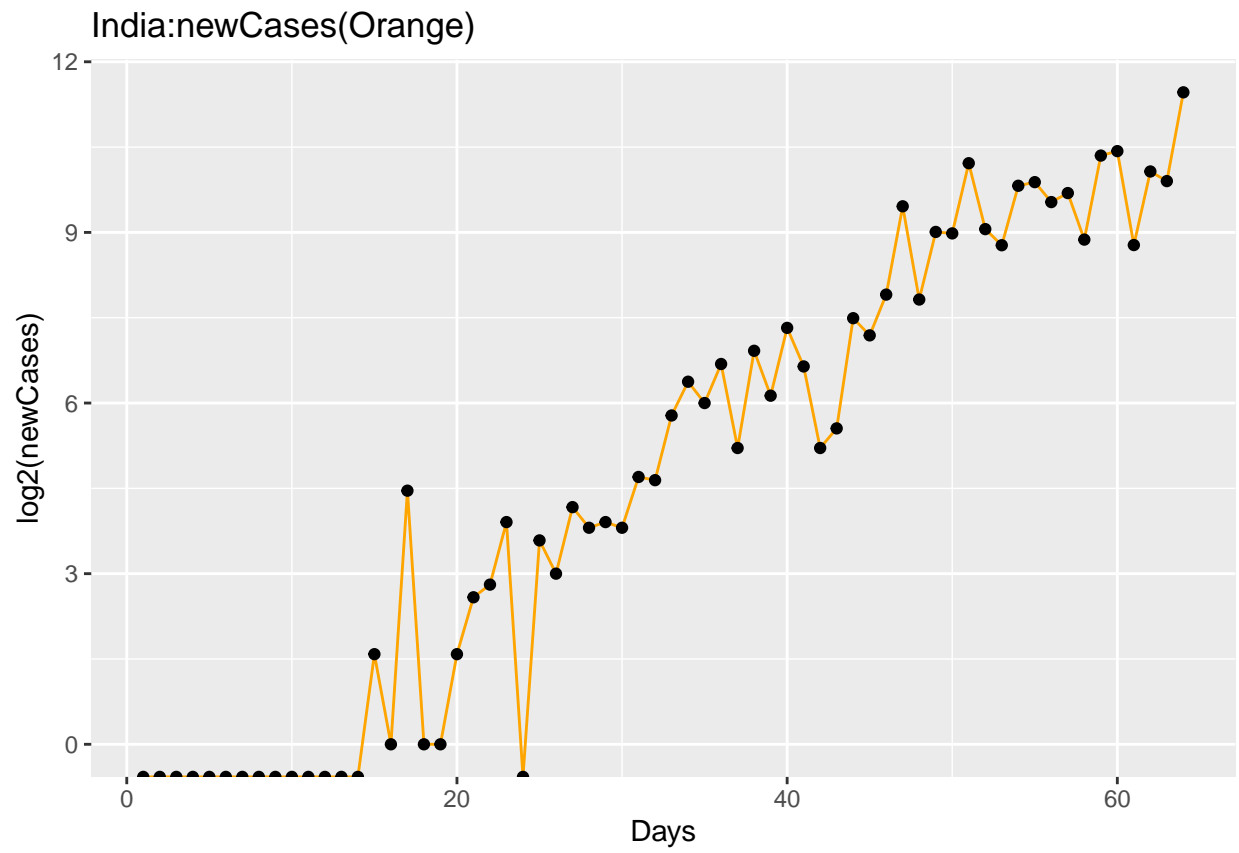




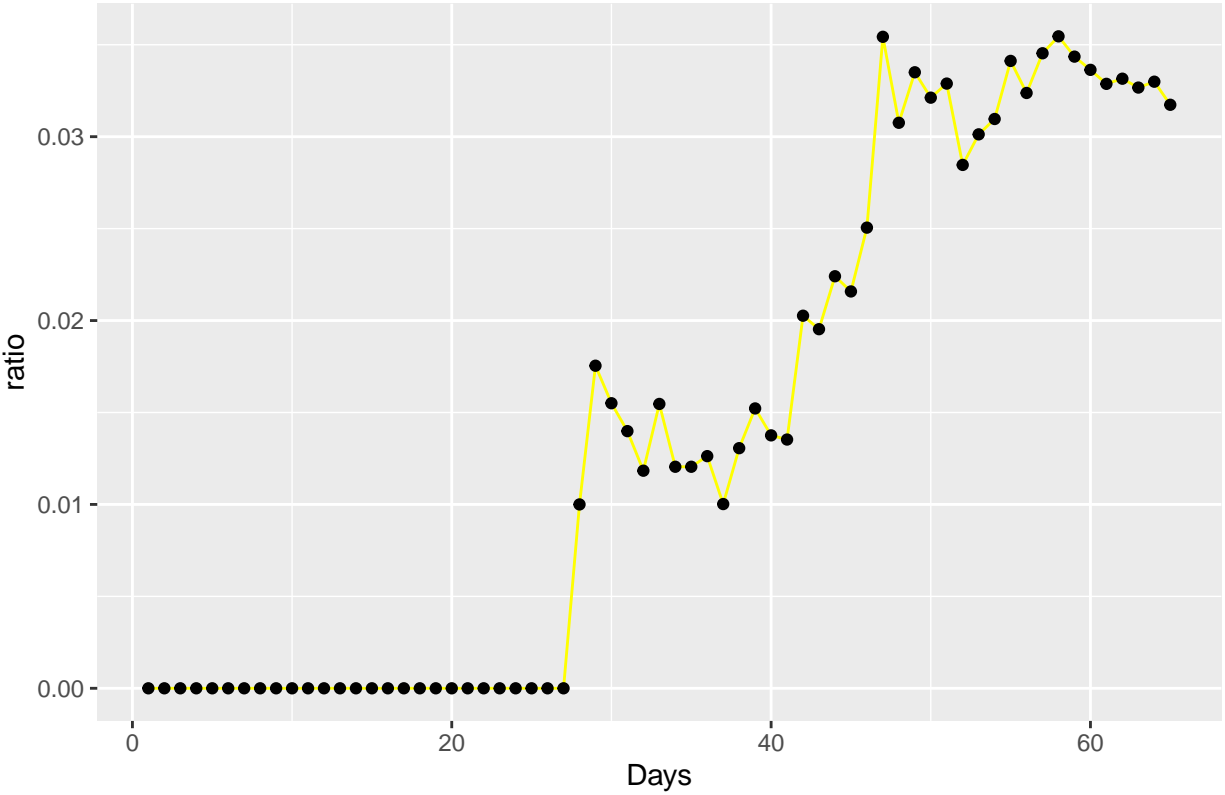


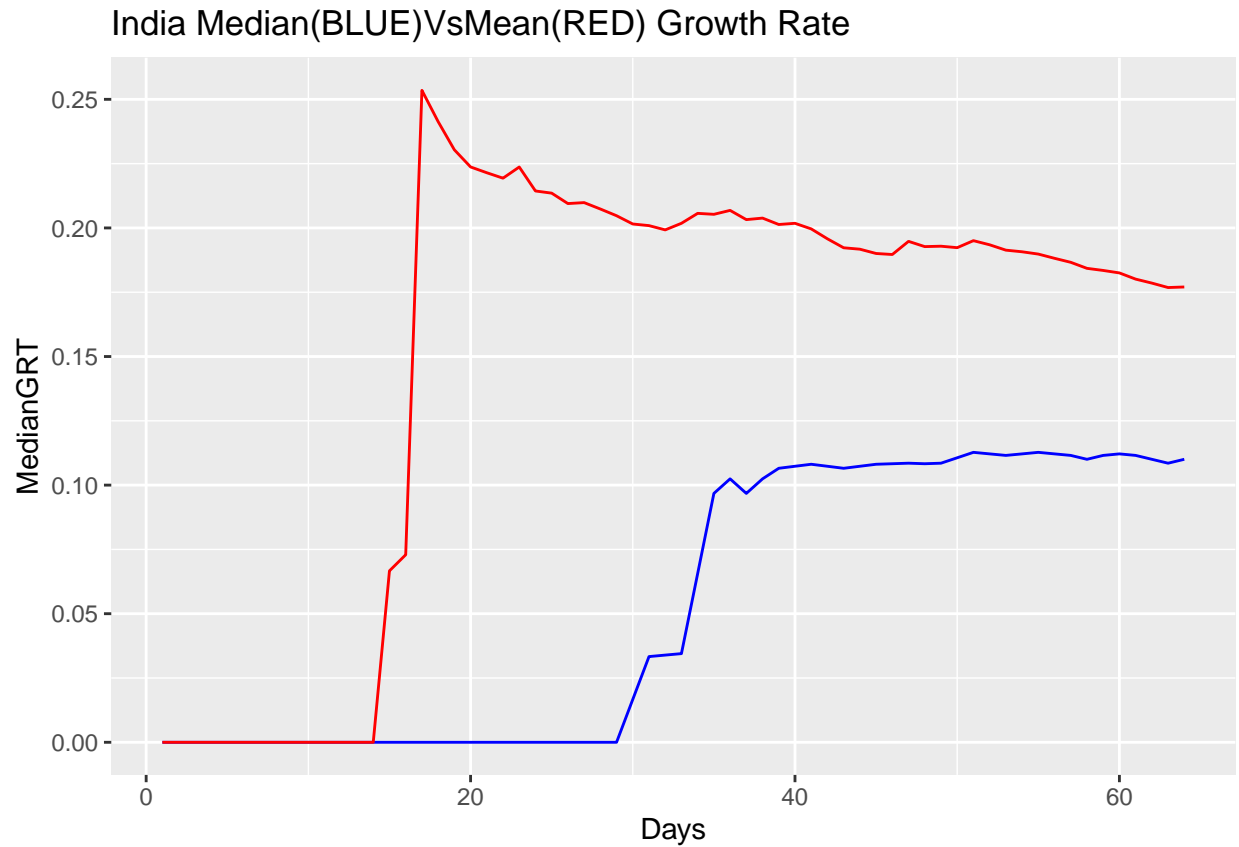






India: TotalDeaths/TotalCases





#### Results:

- Tomorrow's predicted case number is between  $2.0976759 \times 10^4$  and  $2.073354 \times 10^4$  cases.
- Current doubling rate is **4 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 **19.0846403** percent.
- Mean Growth Rate: **17.703889** percent.
- Median Growth Rate: **11.0040041** percent.
- Standard deviation: +/- **40.4679504**.