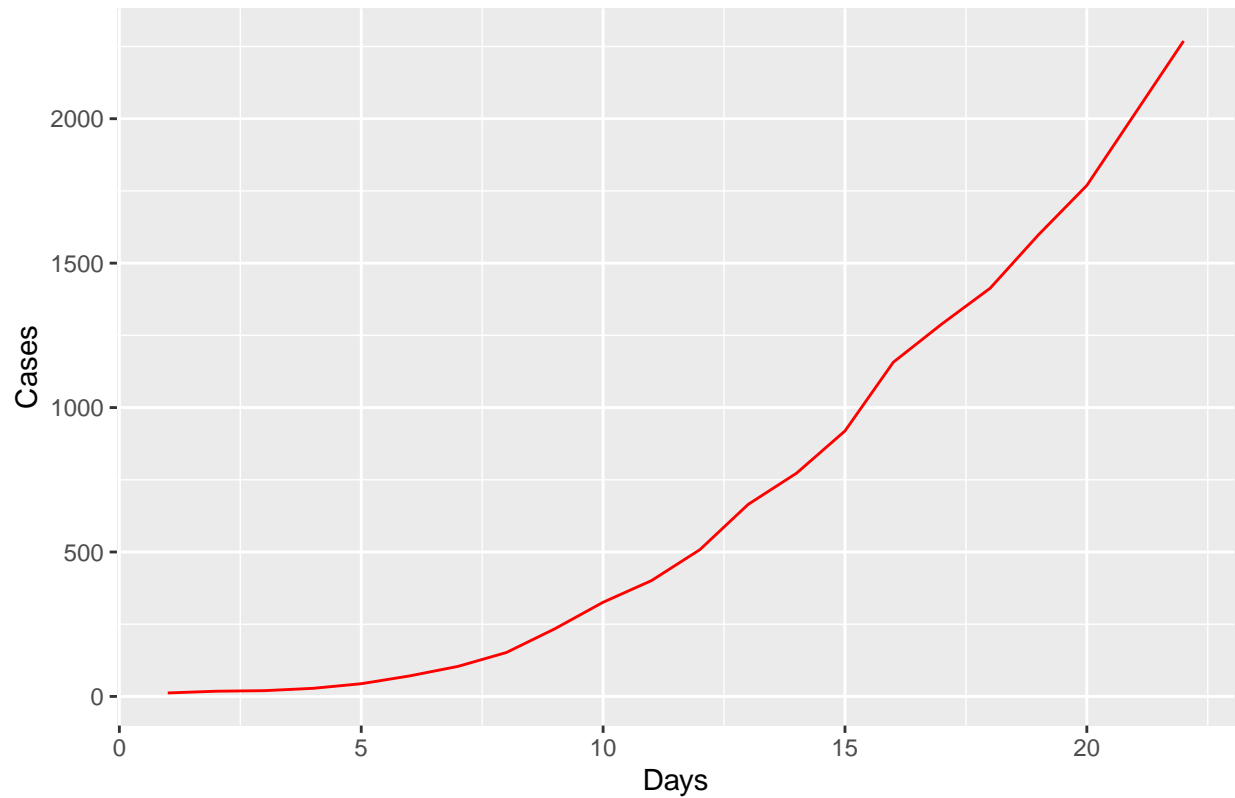


# Arizona/US/India Corona Trends- 5th April 2020 with tomorrow's prediction

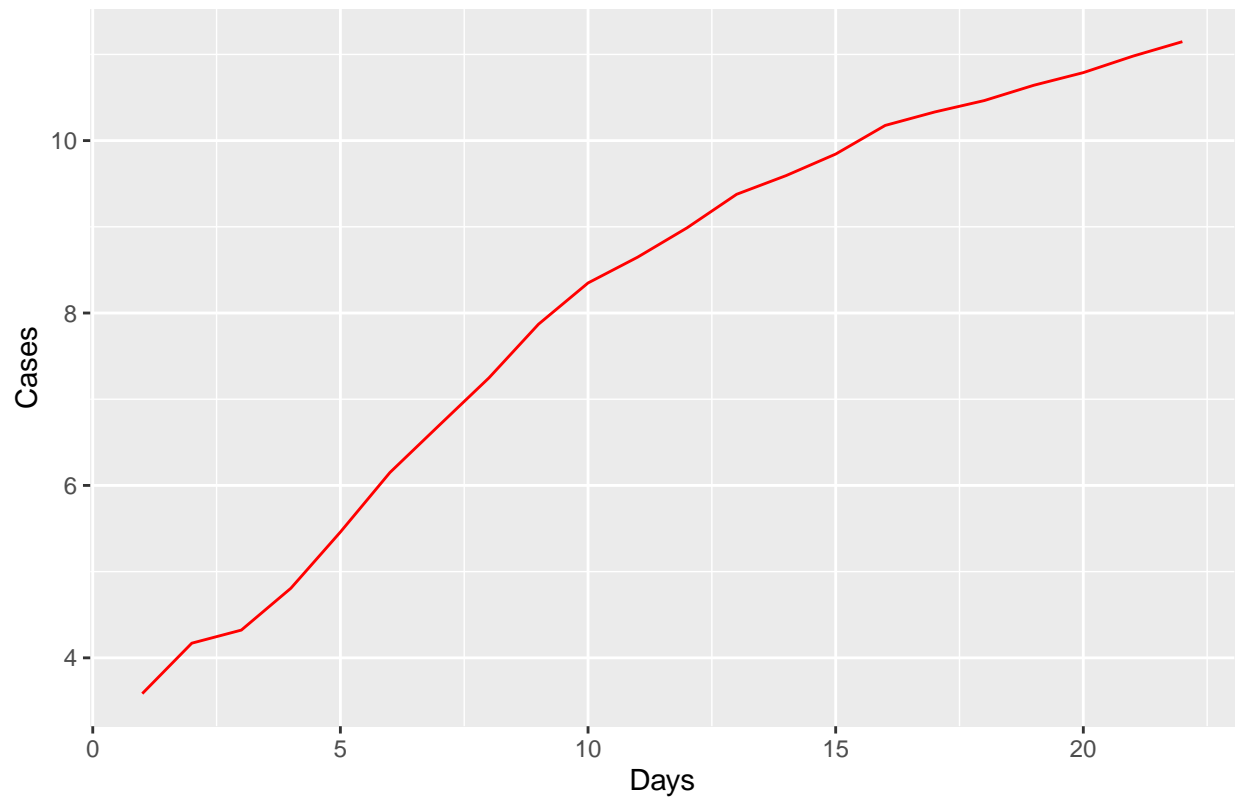
Whitchurch Muthumani

4/5/2020

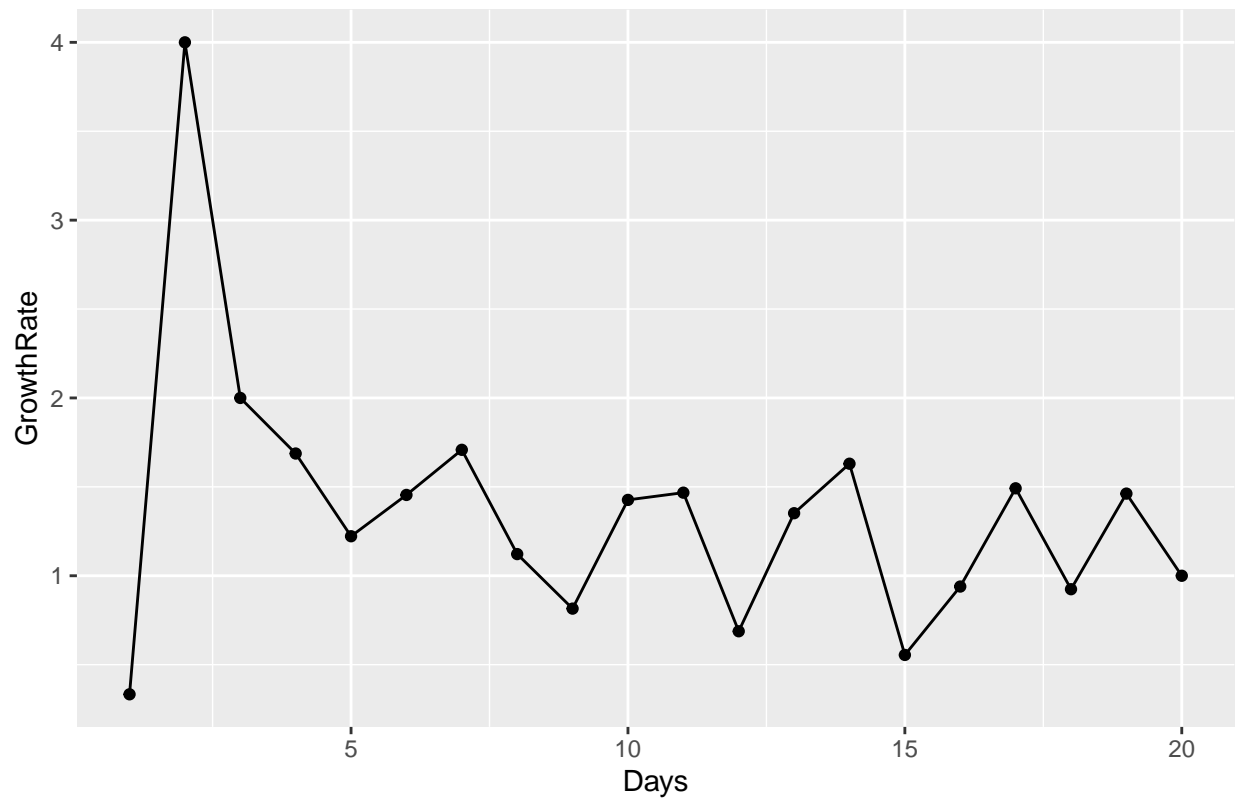
Arizona: Daily Cases



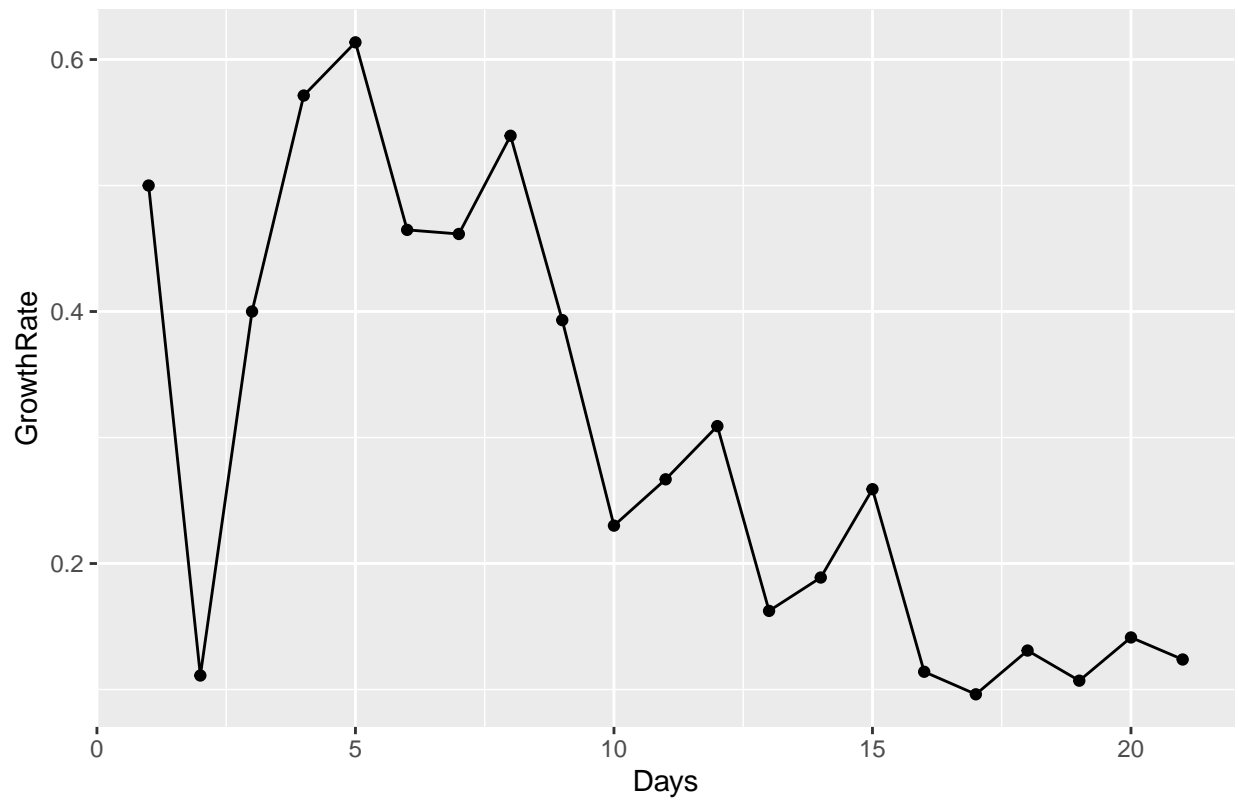
Arizona: Daily Cases

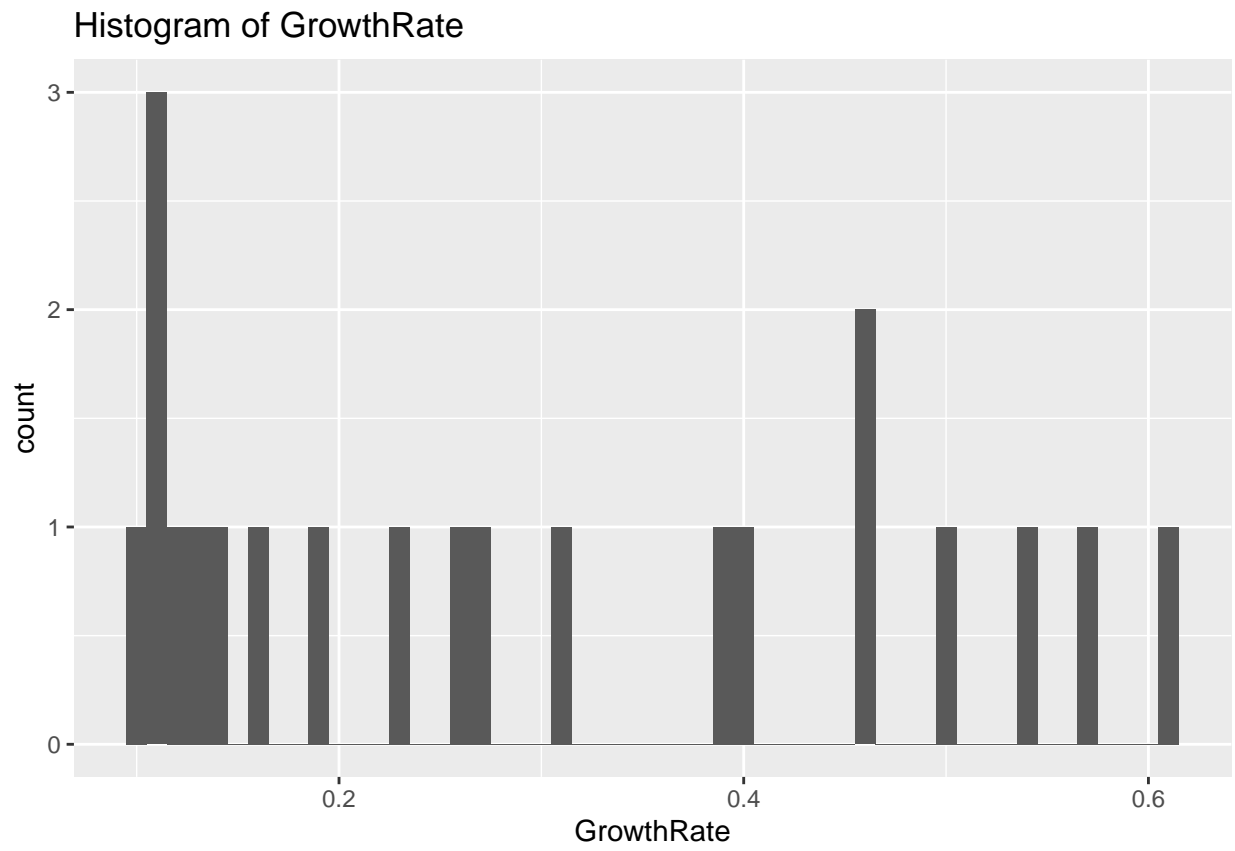


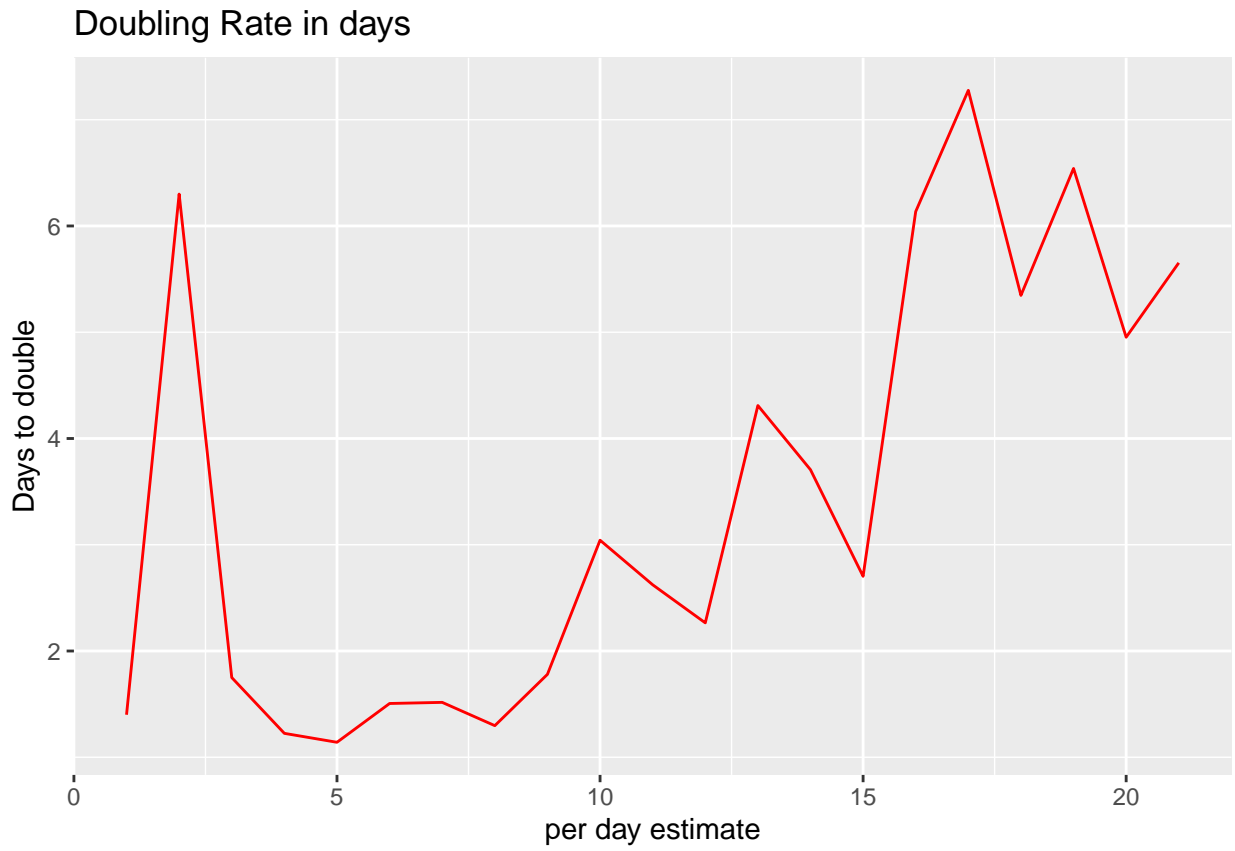
Arizona: Rate of change in Growth Rate



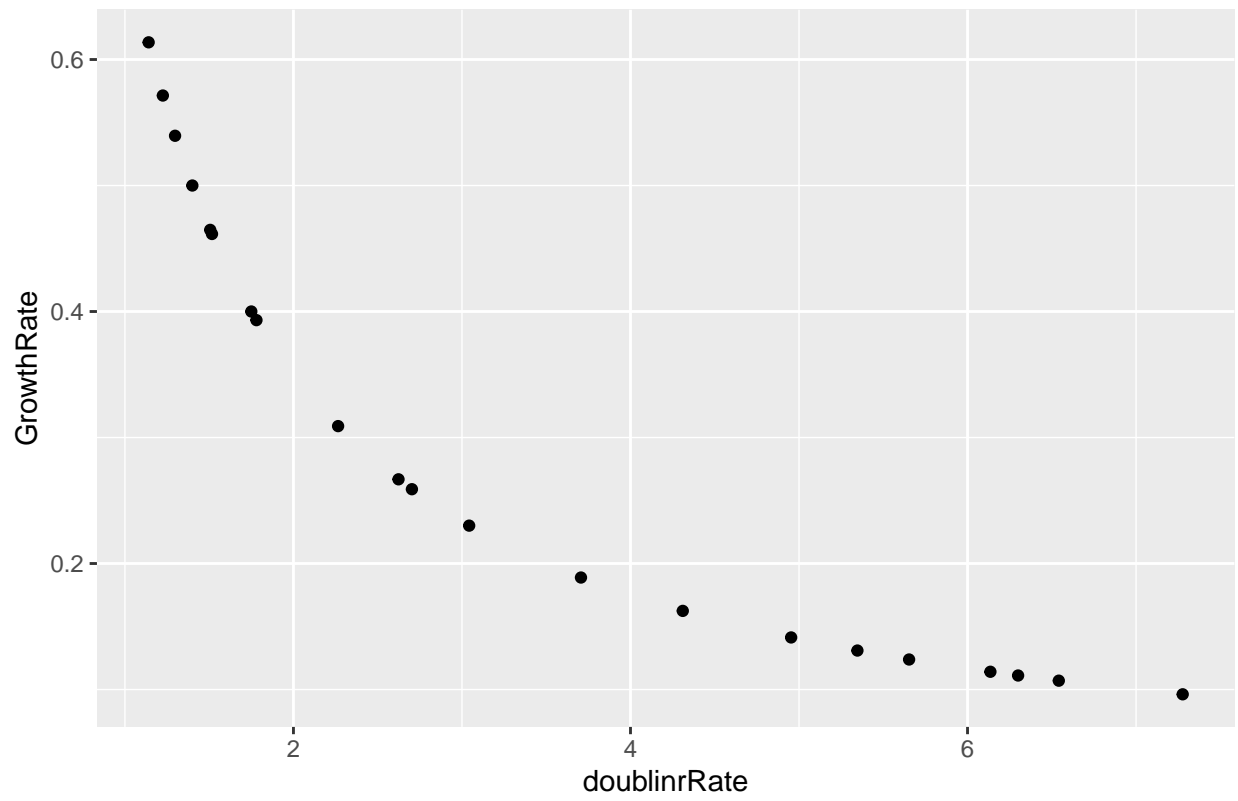
Arizona: Growth Rate

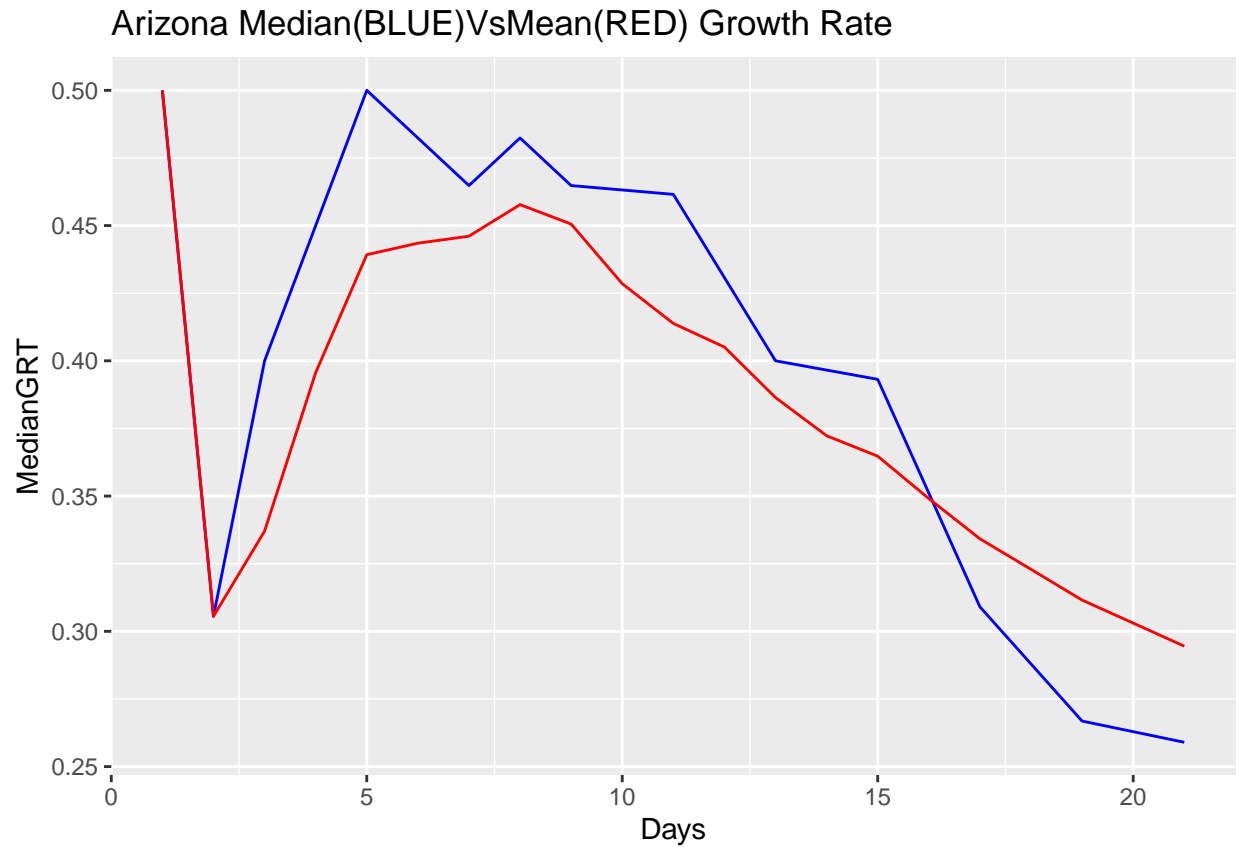






Doubling Rate vs Growth Rate





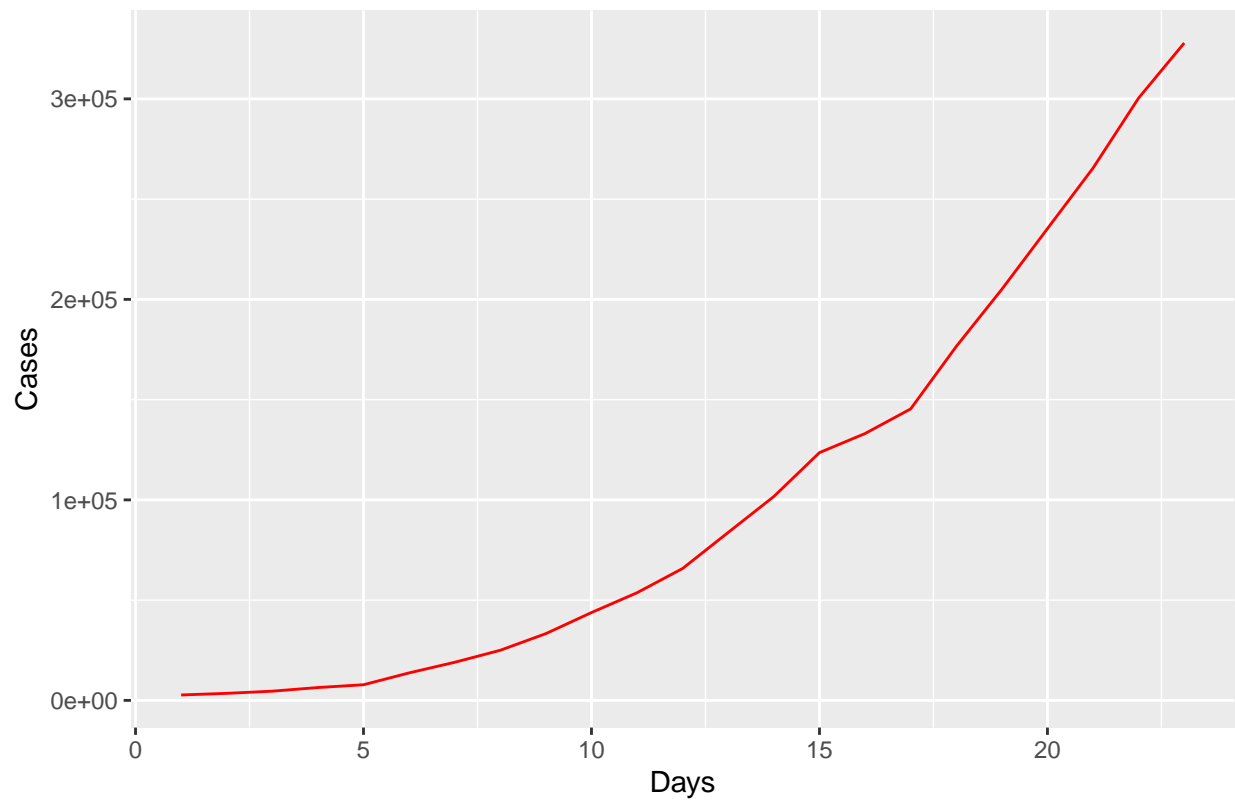
#### Results:

- Tomorrow's predicted case number is between **2549.9559188** and **2937.2437807** cases.
- Current doubling rate is **6 days**
- Mean doubling rate, i.e number of cases doubles every **2 days**.
- Median doubling rate, i.e number of cases doubles every **3 days**.
- Latest Observed Growth Rate **12.3823675** percent.
- Mean Growth Rate: **29.451026** percent.
- Median Growth Rate: **25.8977149** percent.
- Standard deviation: +/- **17.5149594**.

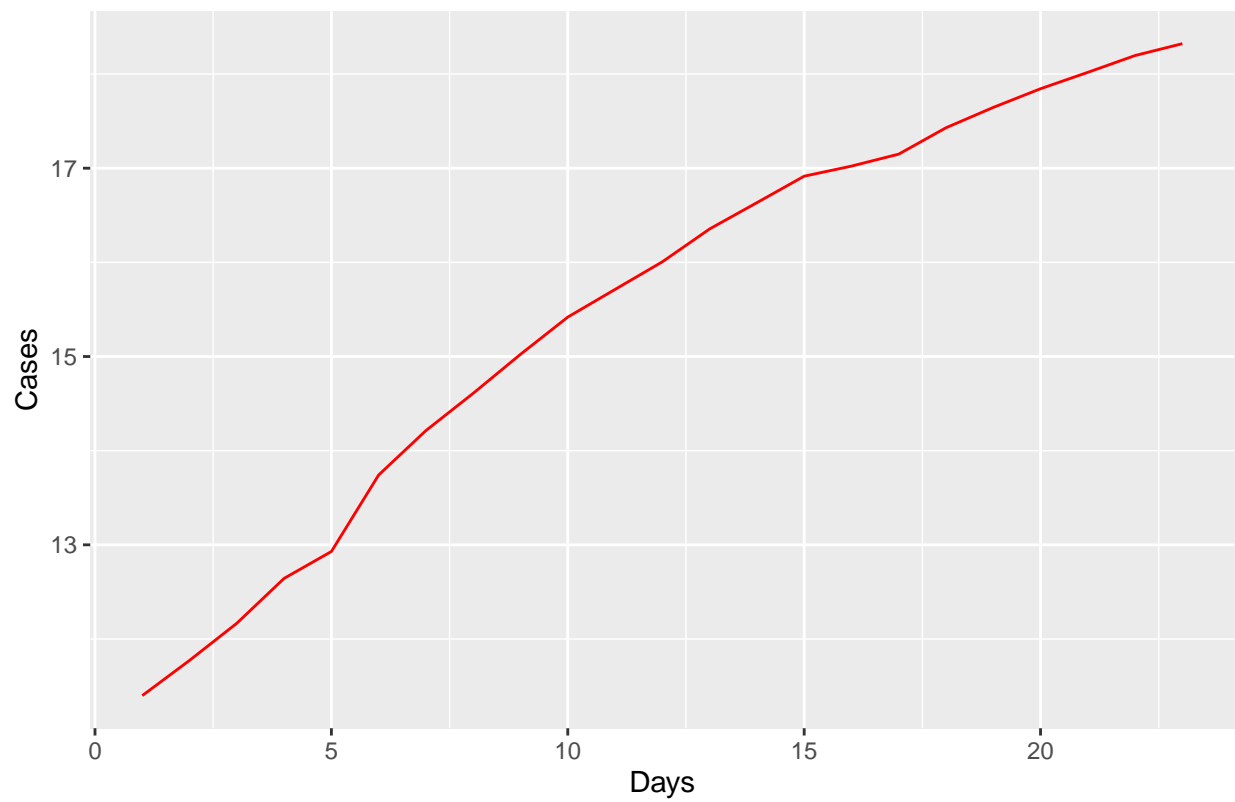


## US Corona Dashboard

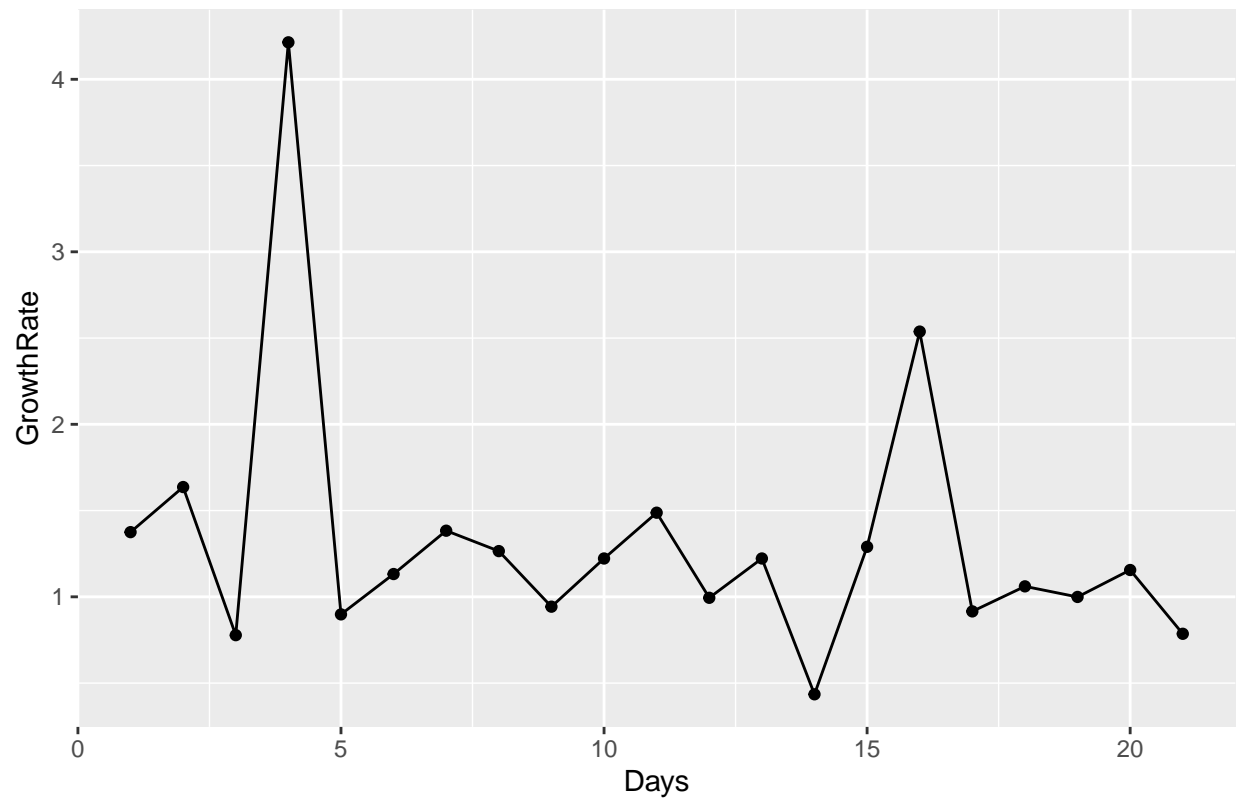
### US: Daily Cases



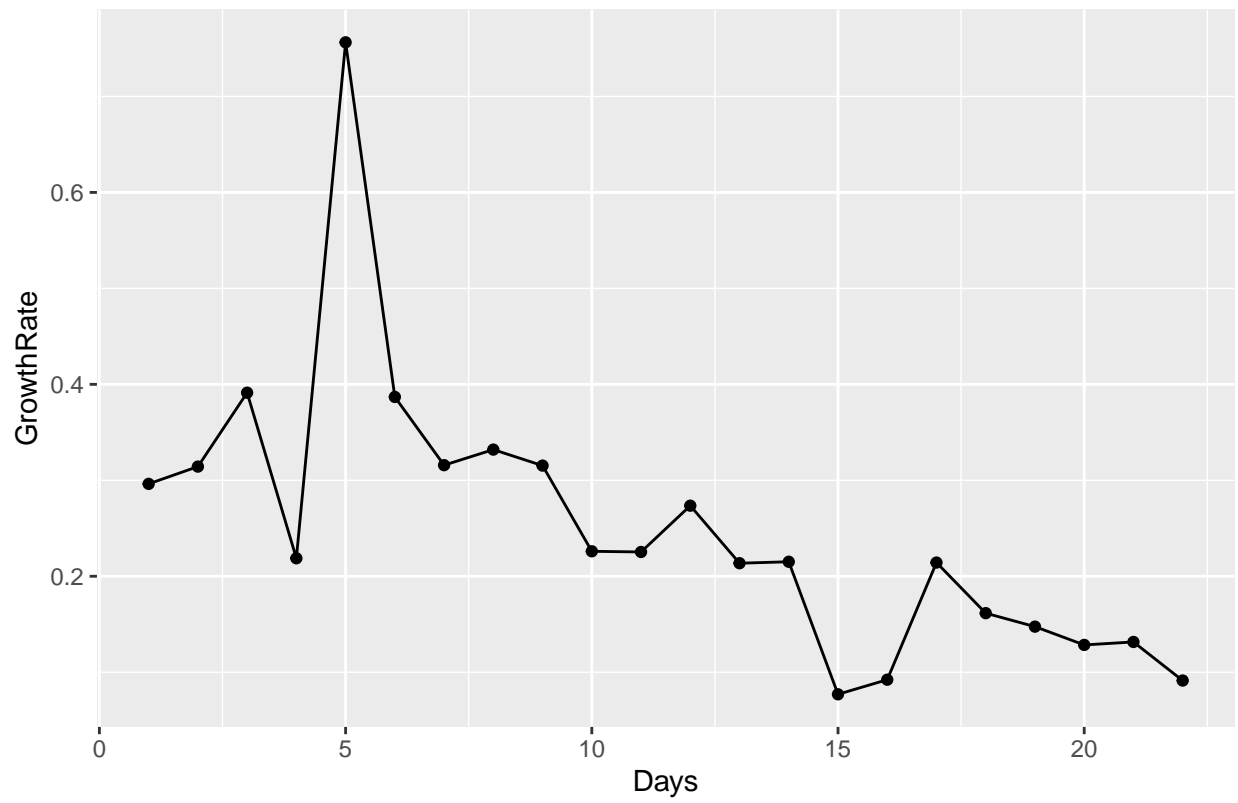
### US: Daily Cases

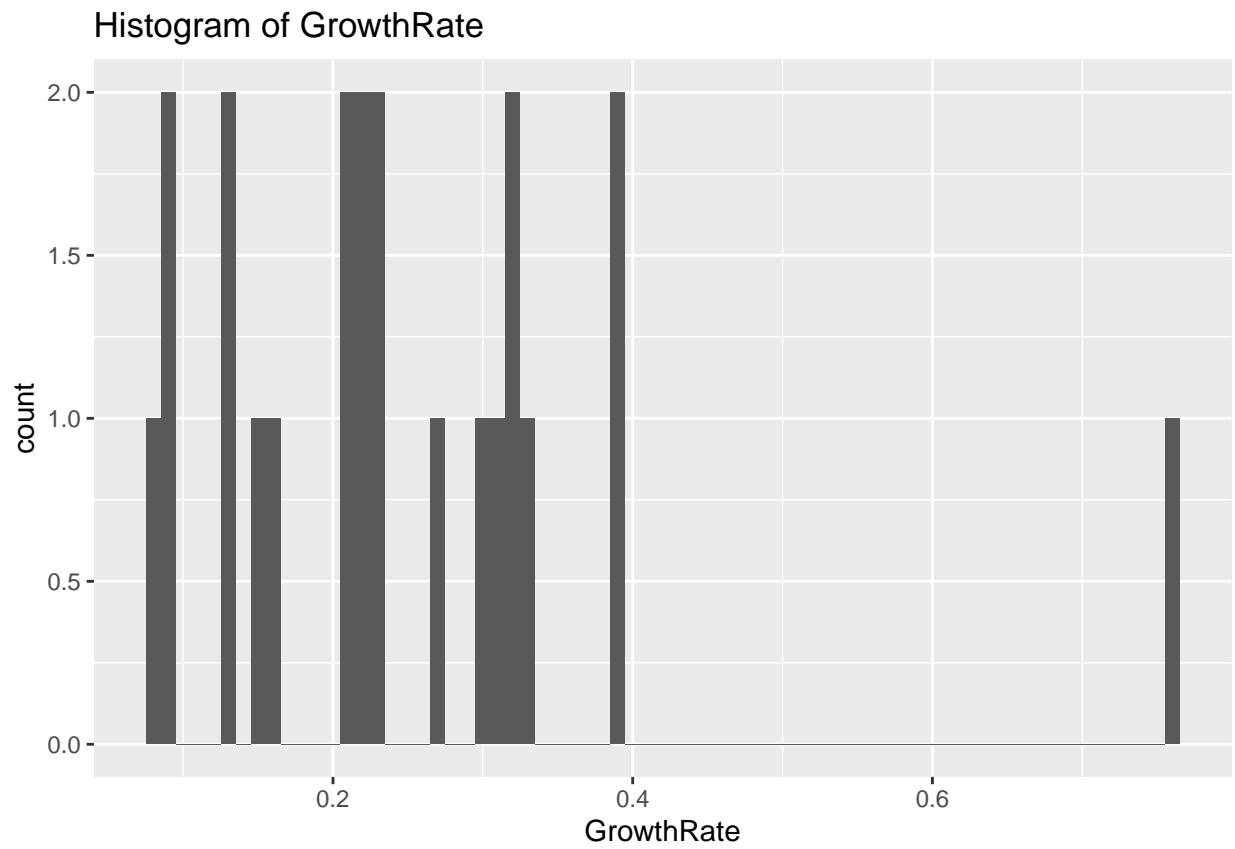


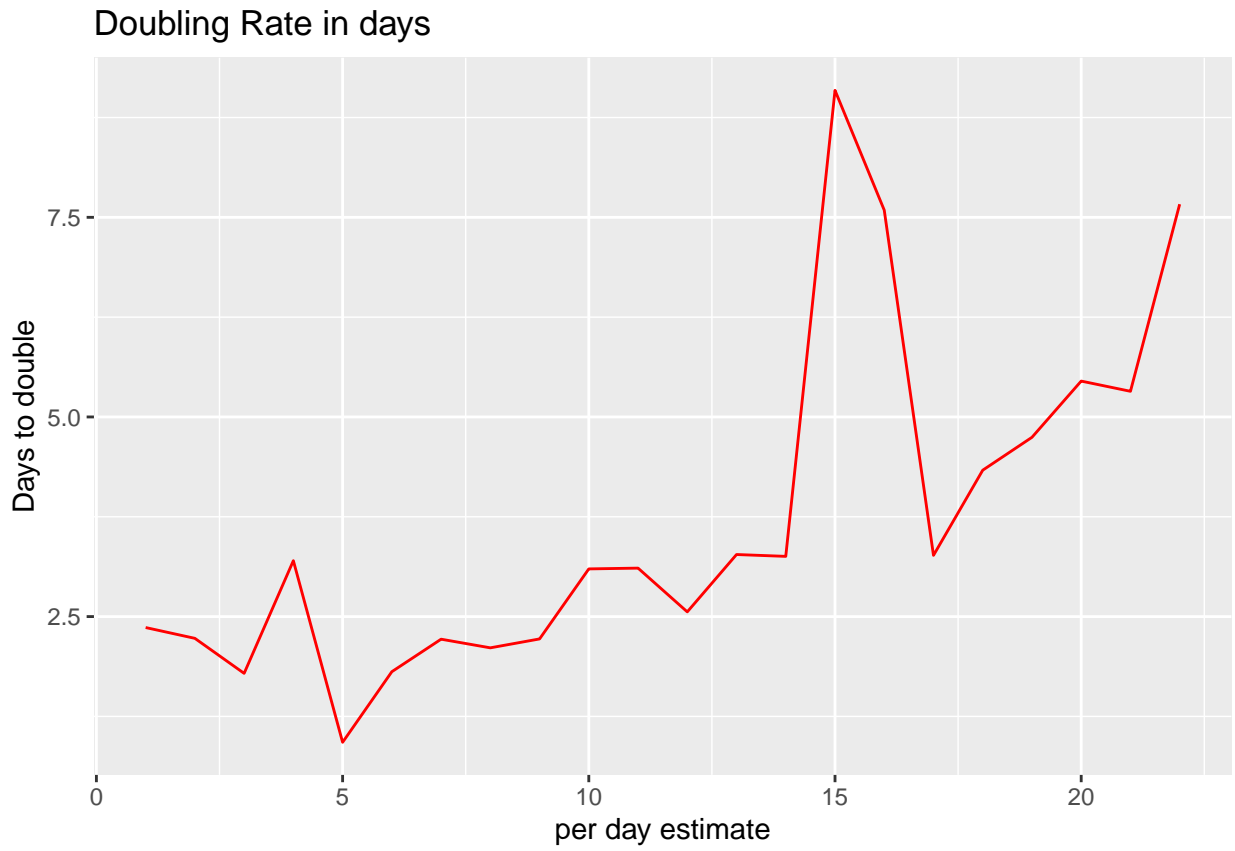
US: Rate of change in Growth Rate



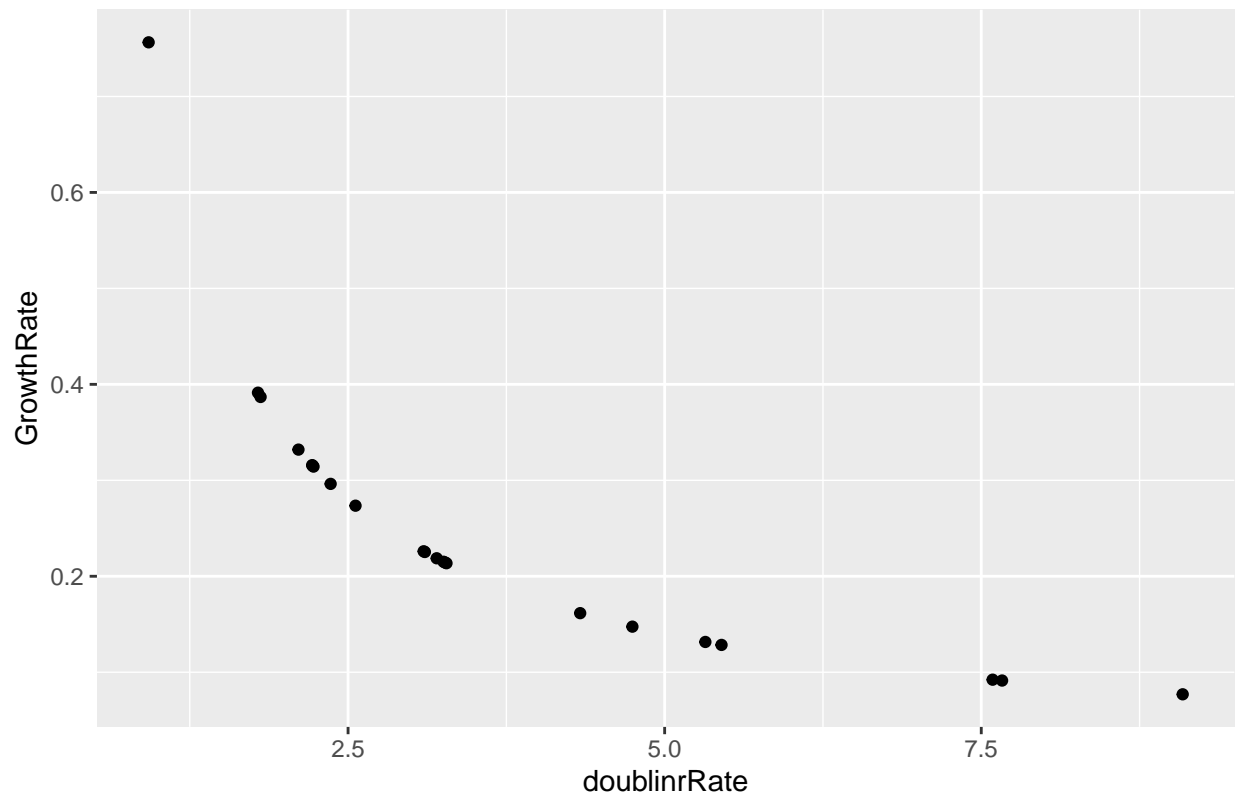
US: Growth Rate

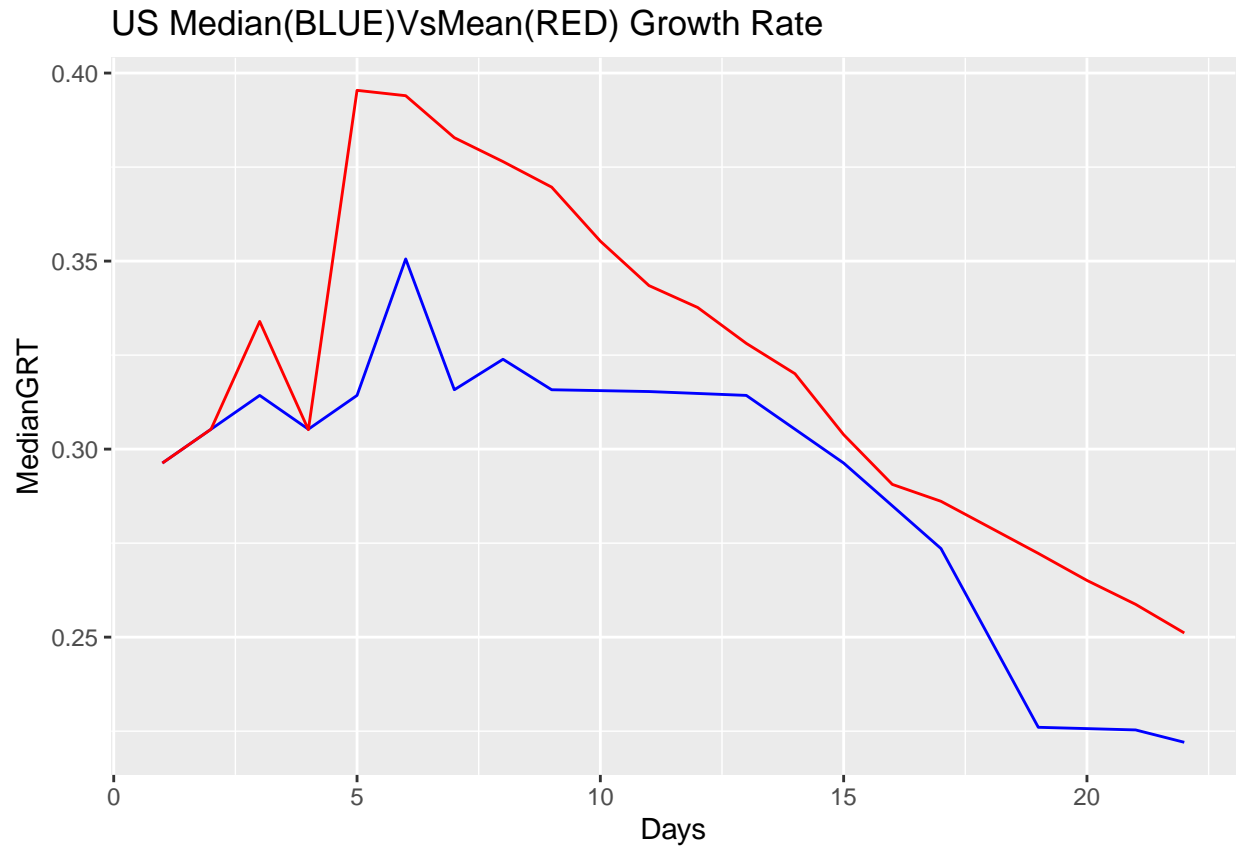






Doubling Rate vs Growth Rate



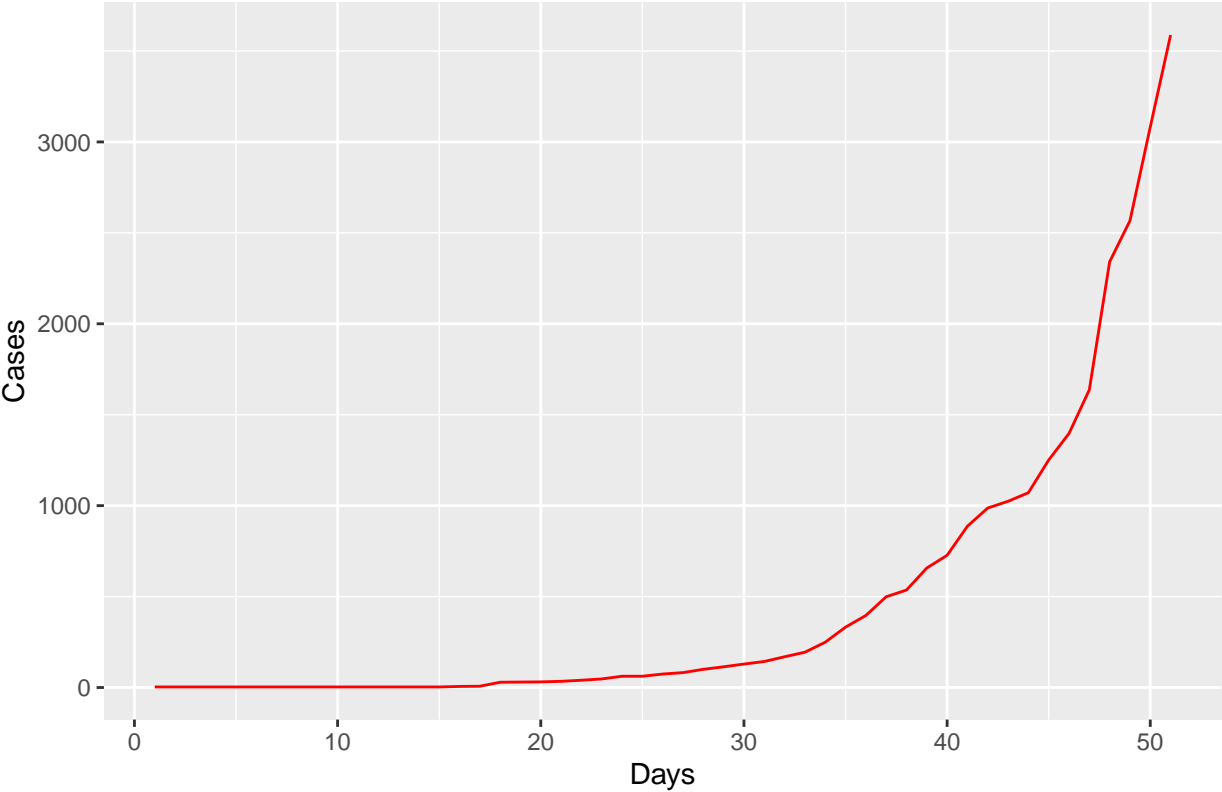


#### Results:

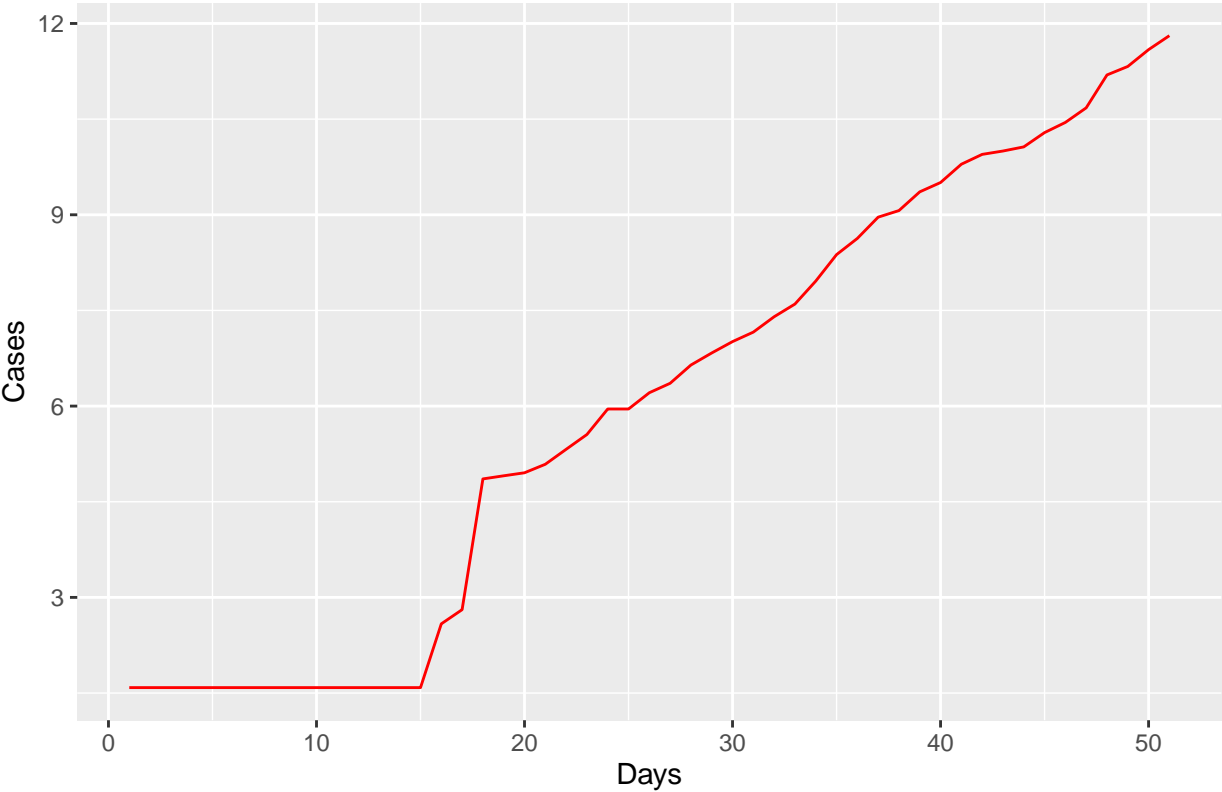
- Tomorrow's predicted case number is between  $3.5781605 \times 10^5$  and  $4.1020486 \times 10^5$  cases.
- Current doubling rate is **8 days**
- Mean doubling rate, i.e number of cases doubles every **3 days**.
- Median doubling rate, i.e number of cases doubles every **3 days**.
- Latest Observed Growth Rate **9.1331816** percent.
- Mean Growth Rate: **25.1116631** percent.
- Median Growth Rate: **22.2037942** percent.
- Standard deviation: +/- **14.6445538**.

India Corona Dashboard

India: Daily Cases

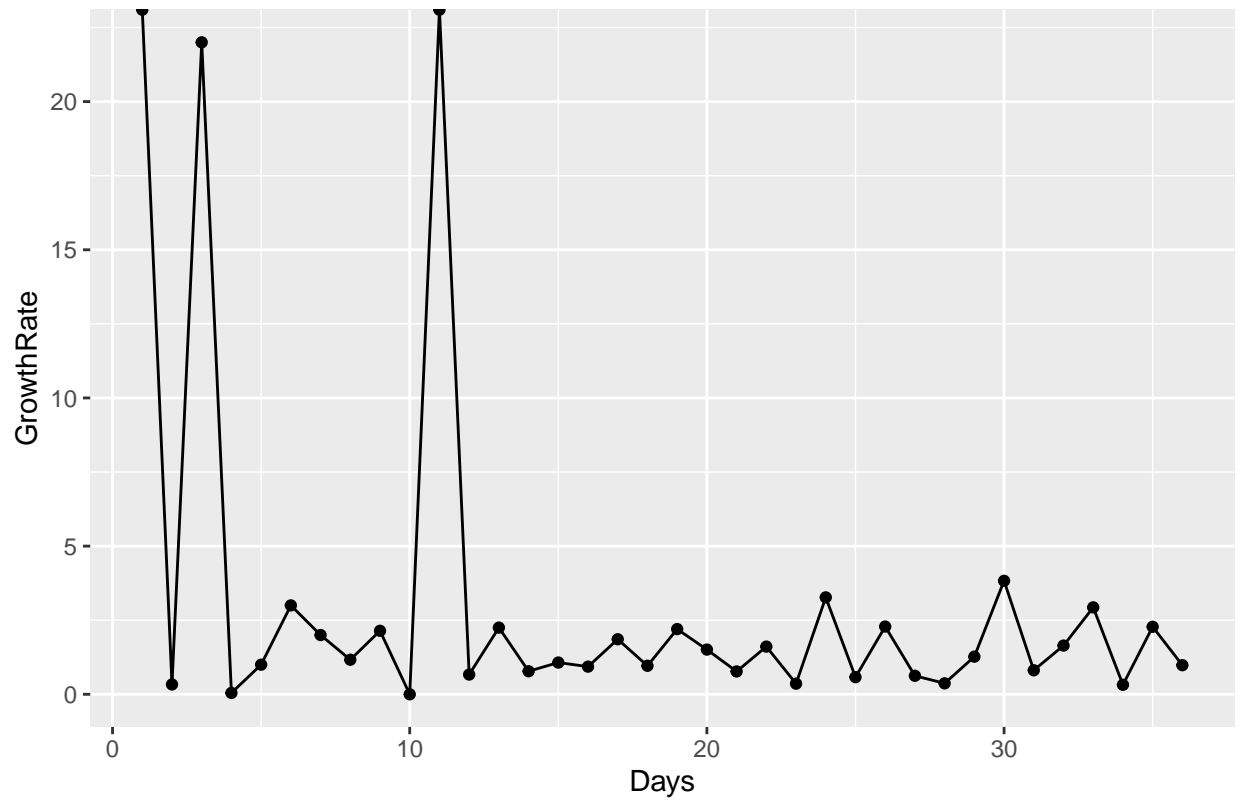


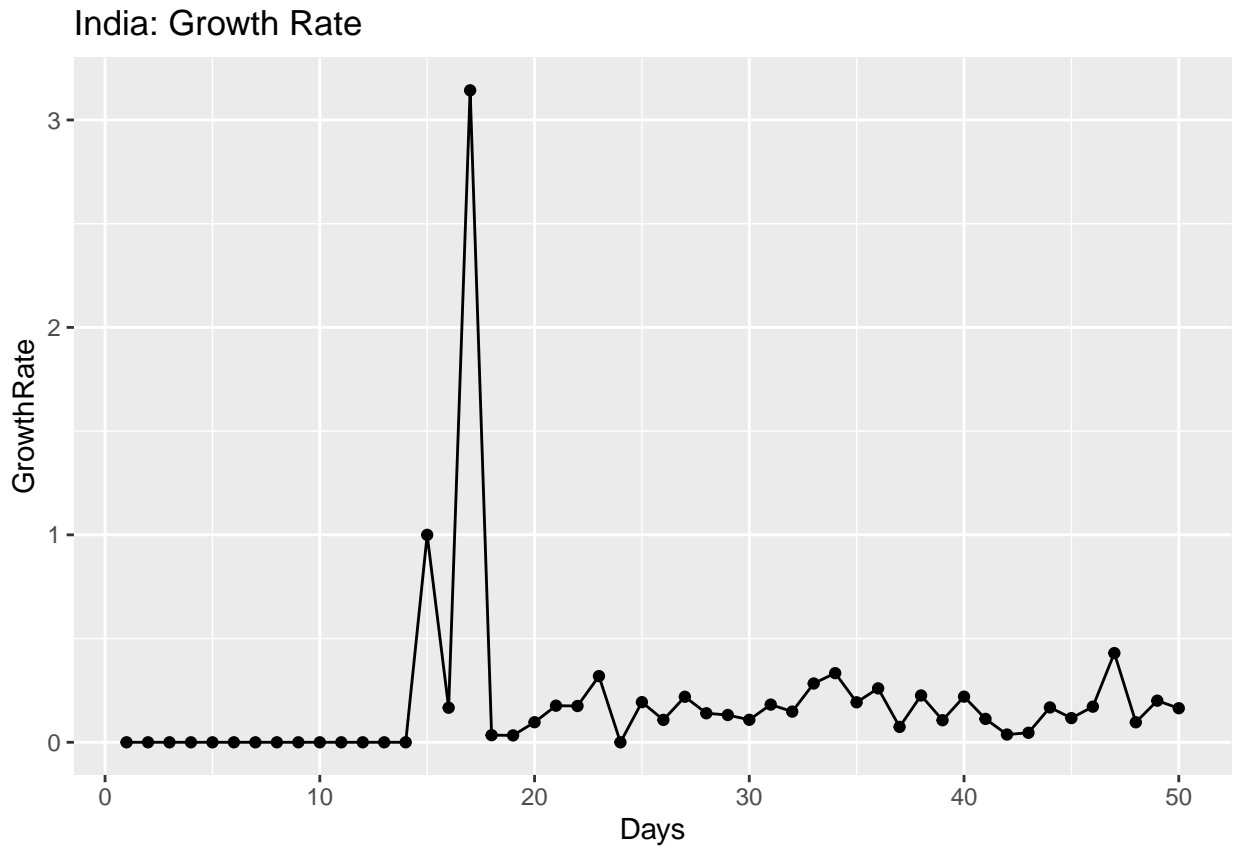
India: Daily Cases

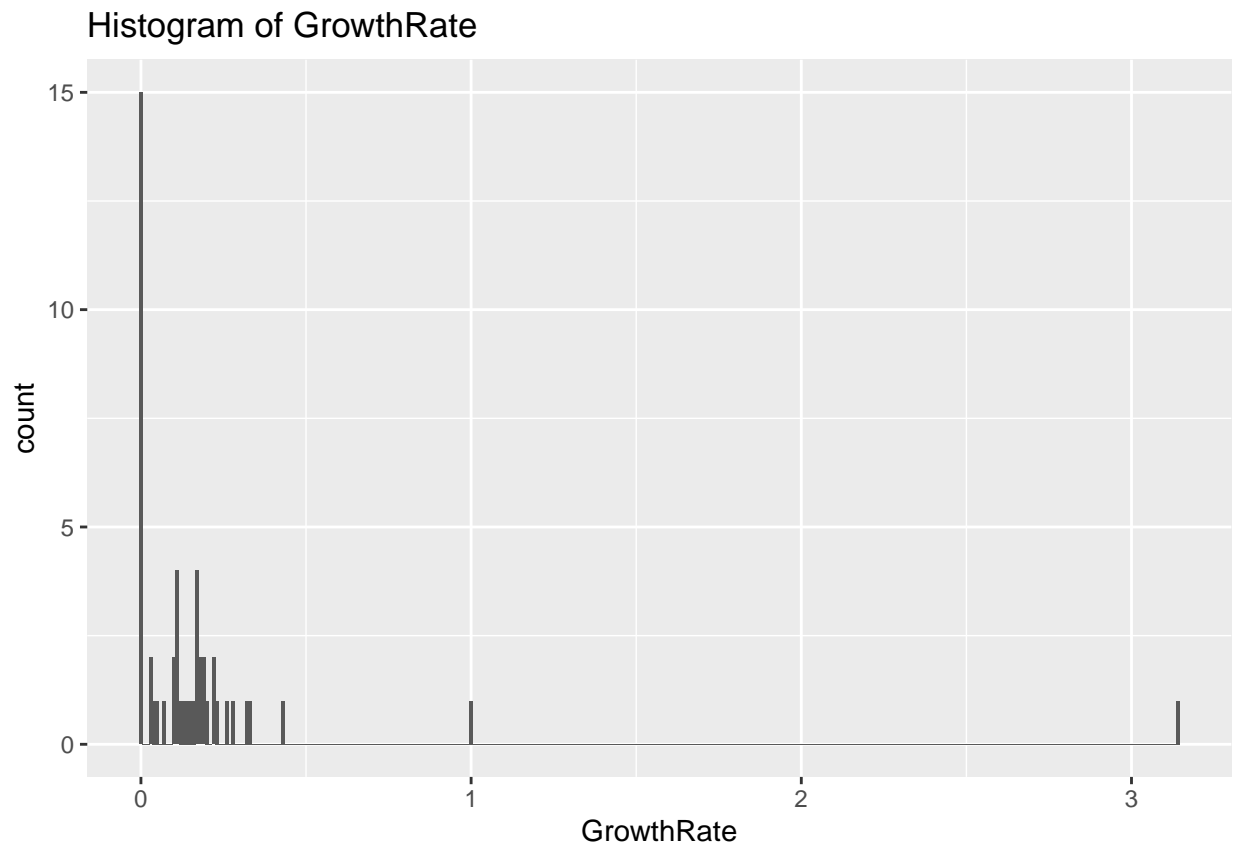


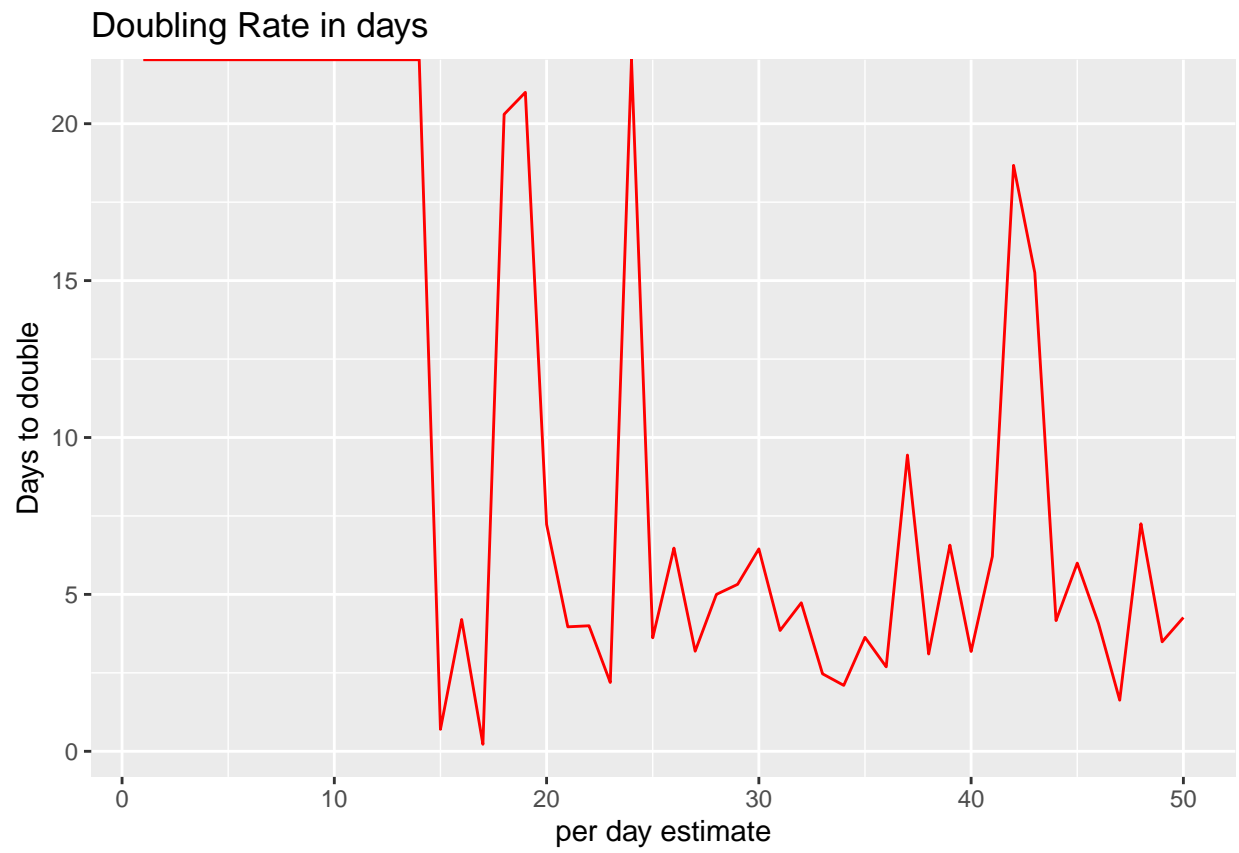


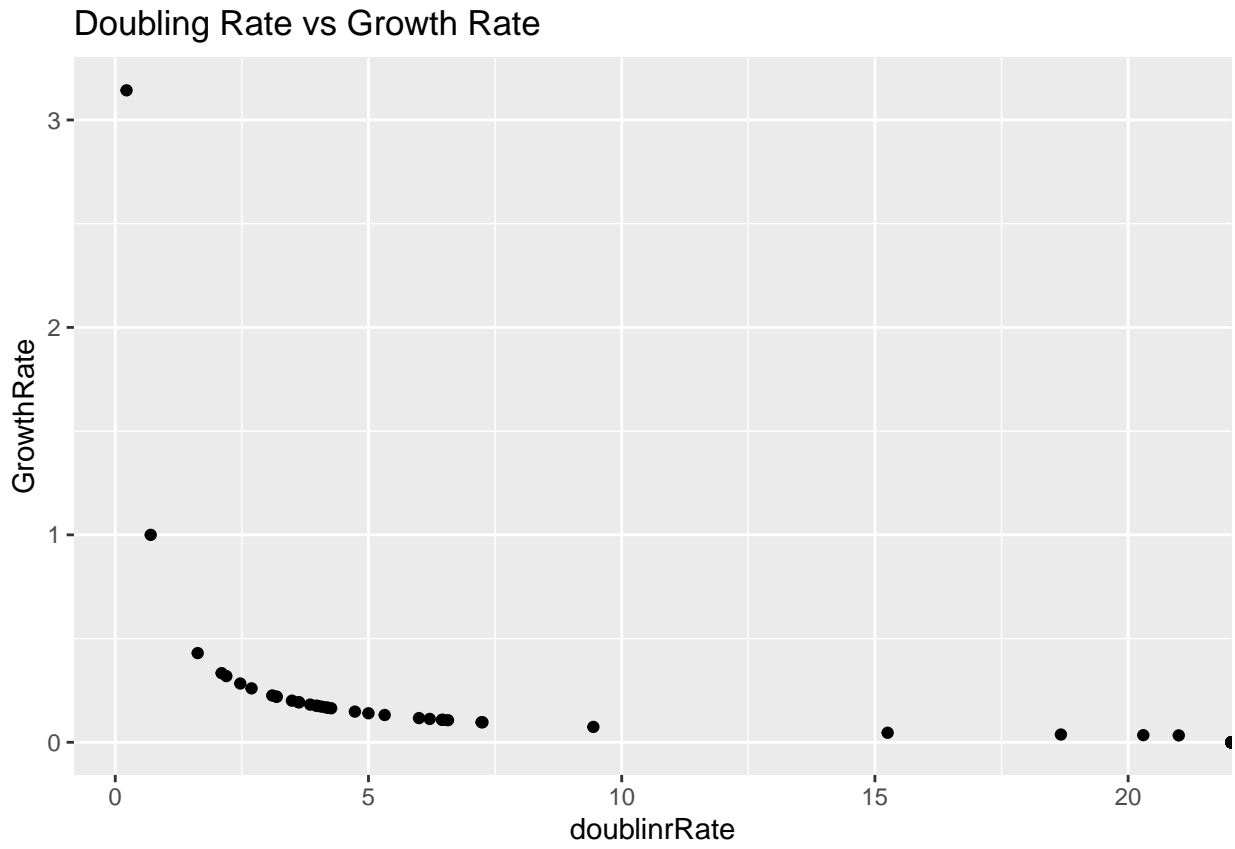
US: Rate of change in Growth Rate

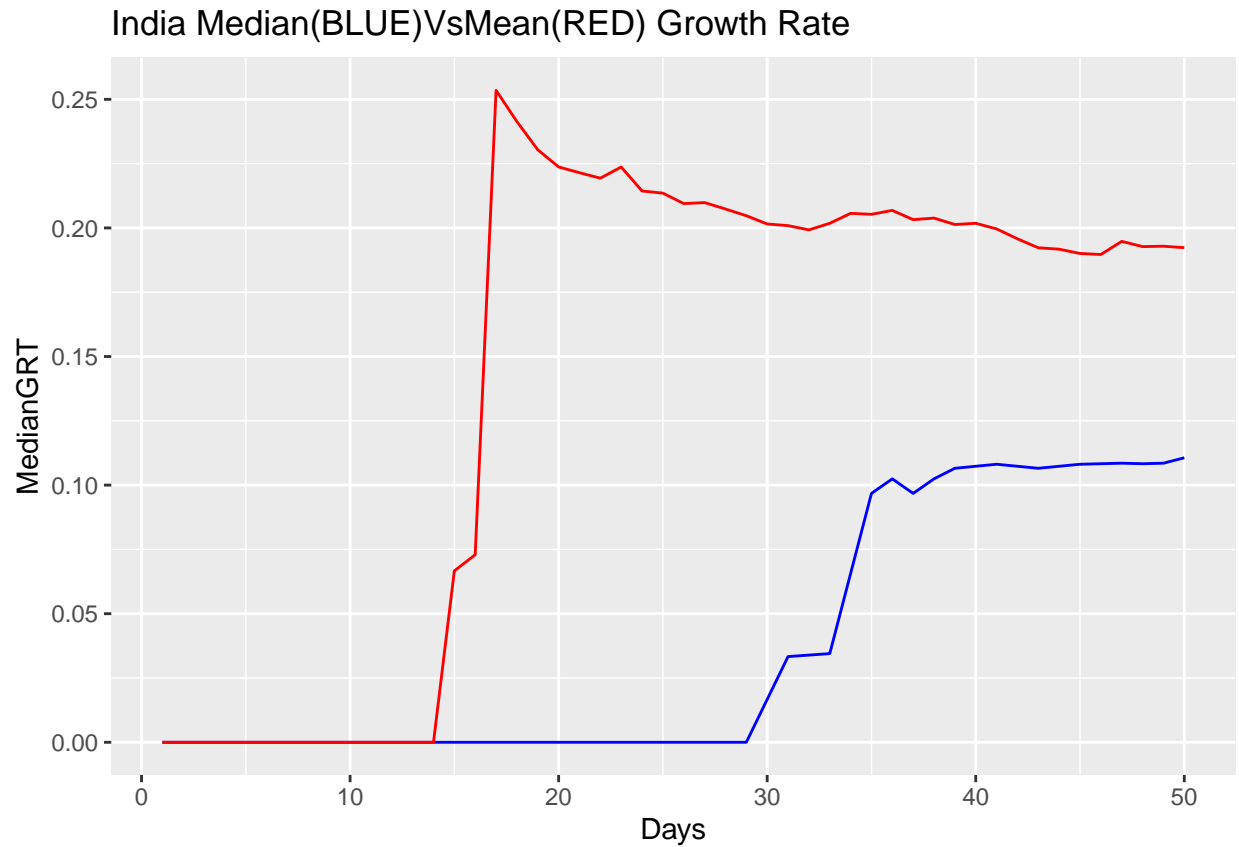












#### Results:

- Tomorrow's predicted case number is between **4177.0746269** and **4278.0499996** 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 **16.4179104** percent.
- Mean Growth Rate: **19.2321628** percent.
- Median Growth Rate: **11.0633352** percent.
- Standard deviation: +/- **45.6110994**.