

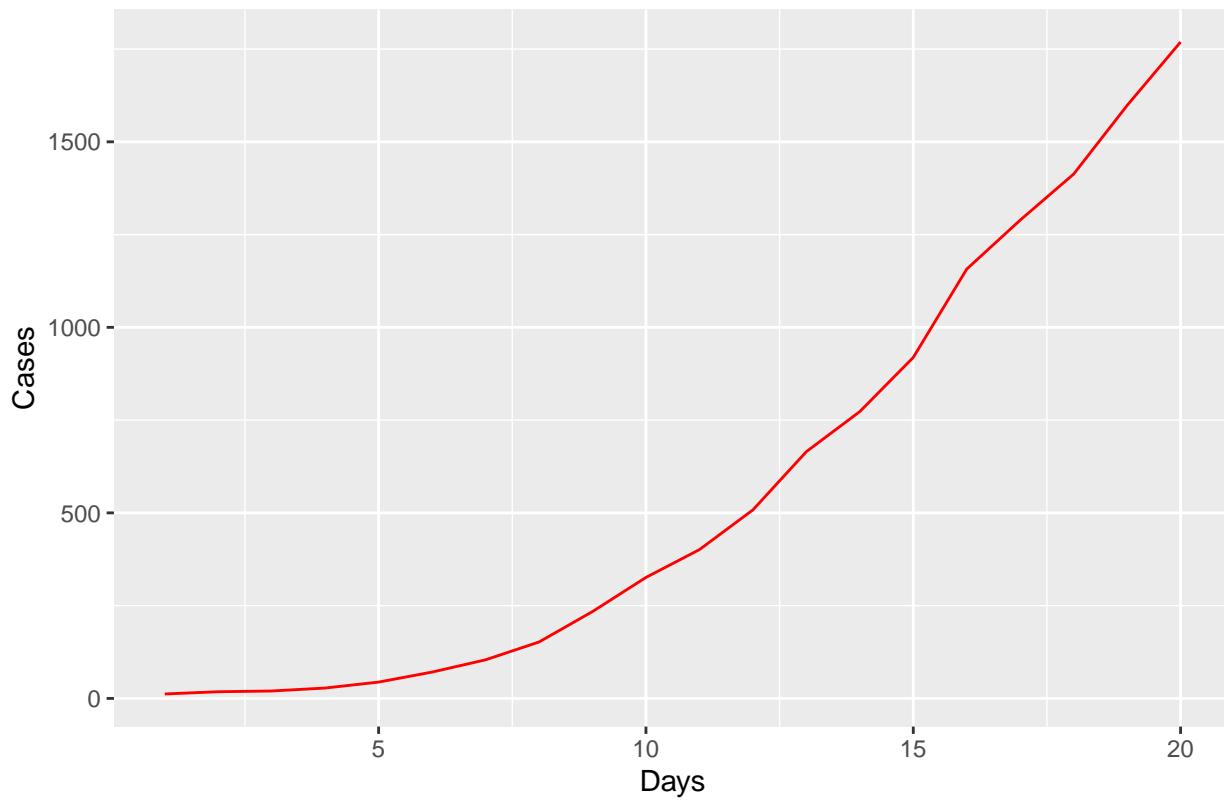
Arizona/US/India Corona Trends- 3rd April 2020 with tomorrow's prediction

Whitchurch Muthumani

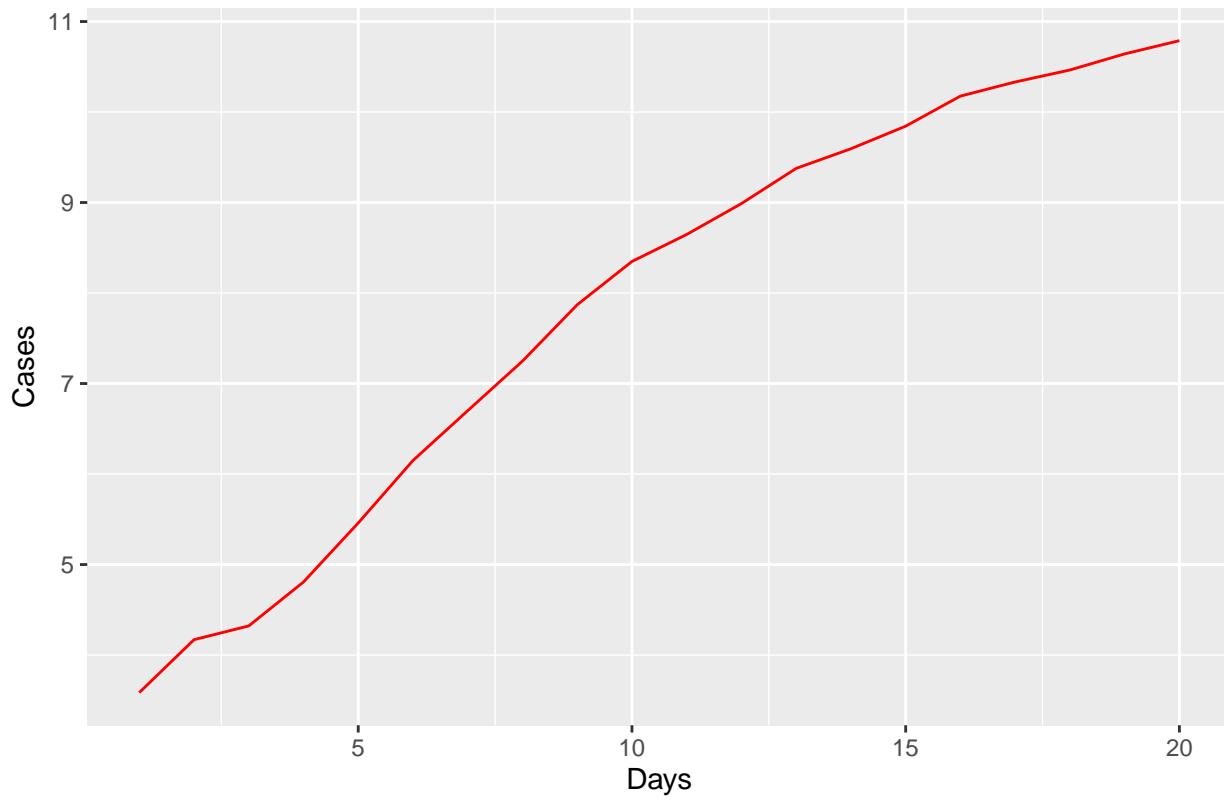
4/3/2020

Arizona Corona Dashboard

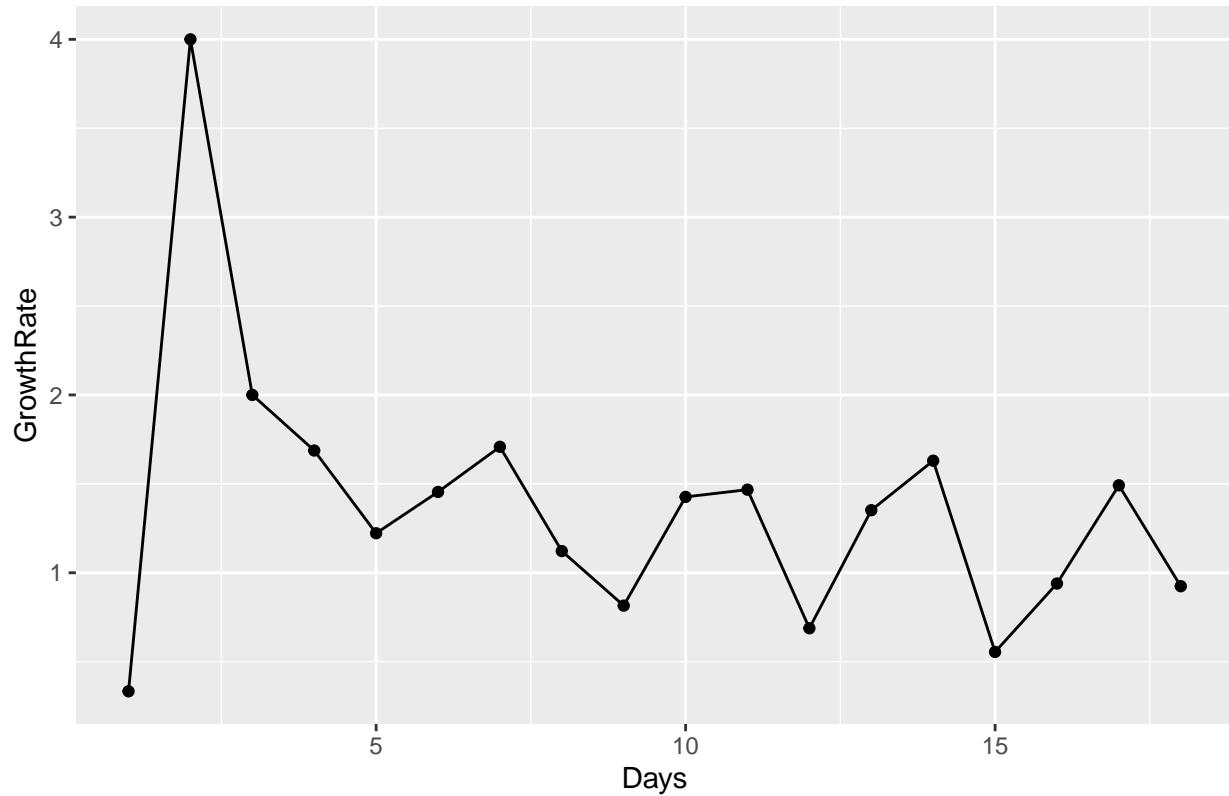
Arizona: Daily Cases



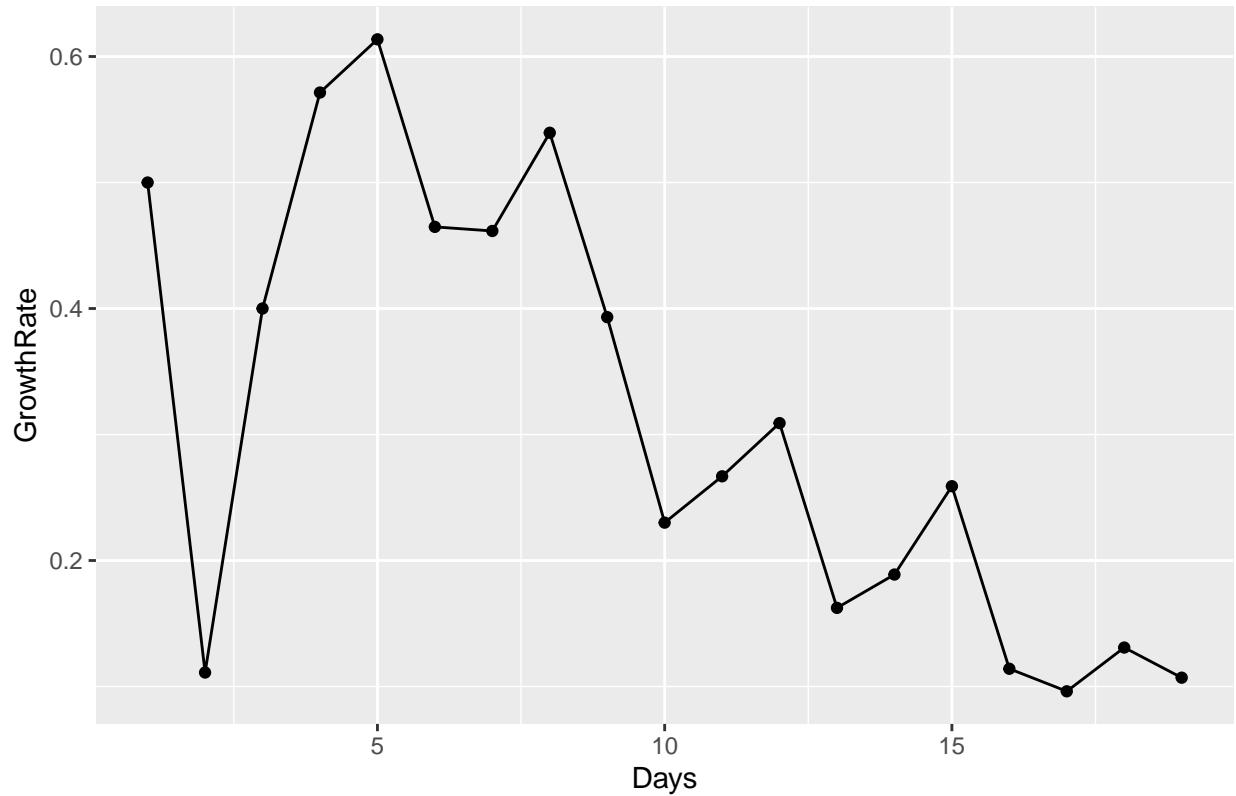
Arizona: Daily Cases



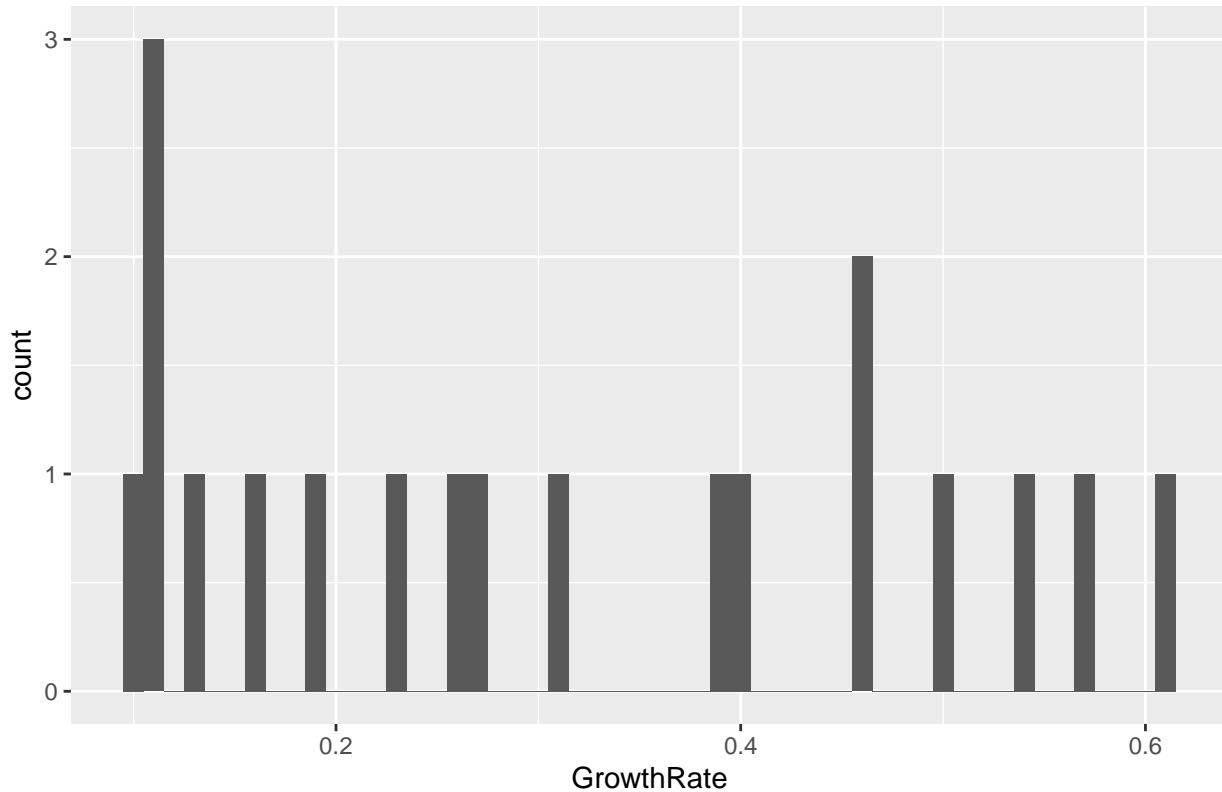
Arizona: Rate of change in Growth Rate



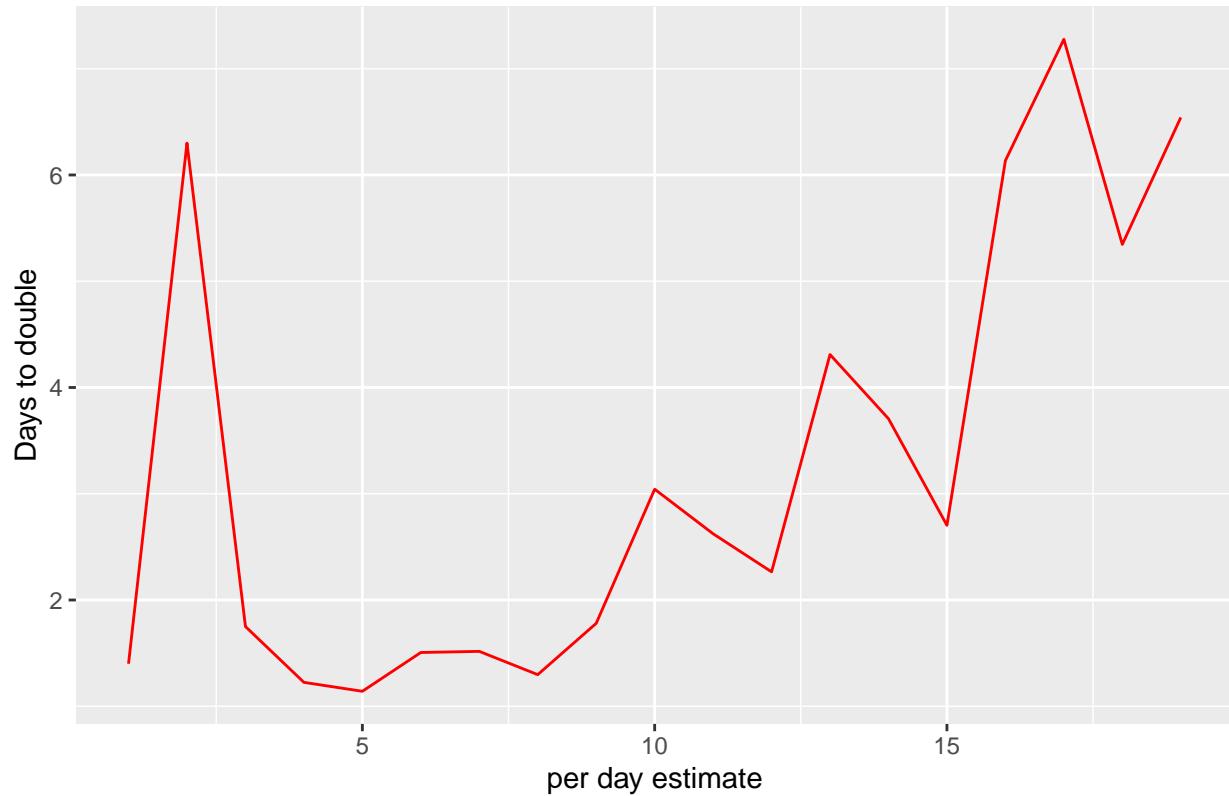
Arizona: Growth Rate



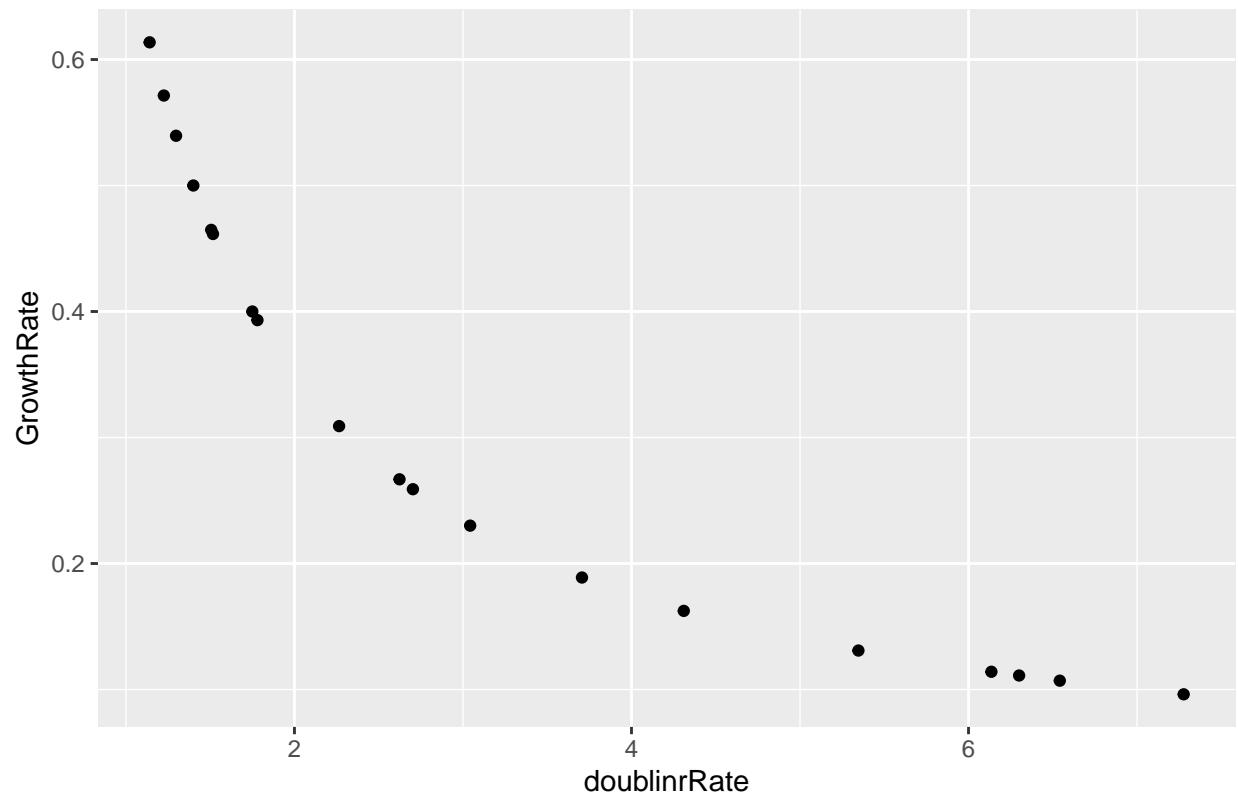
Histogram of GrowthRate



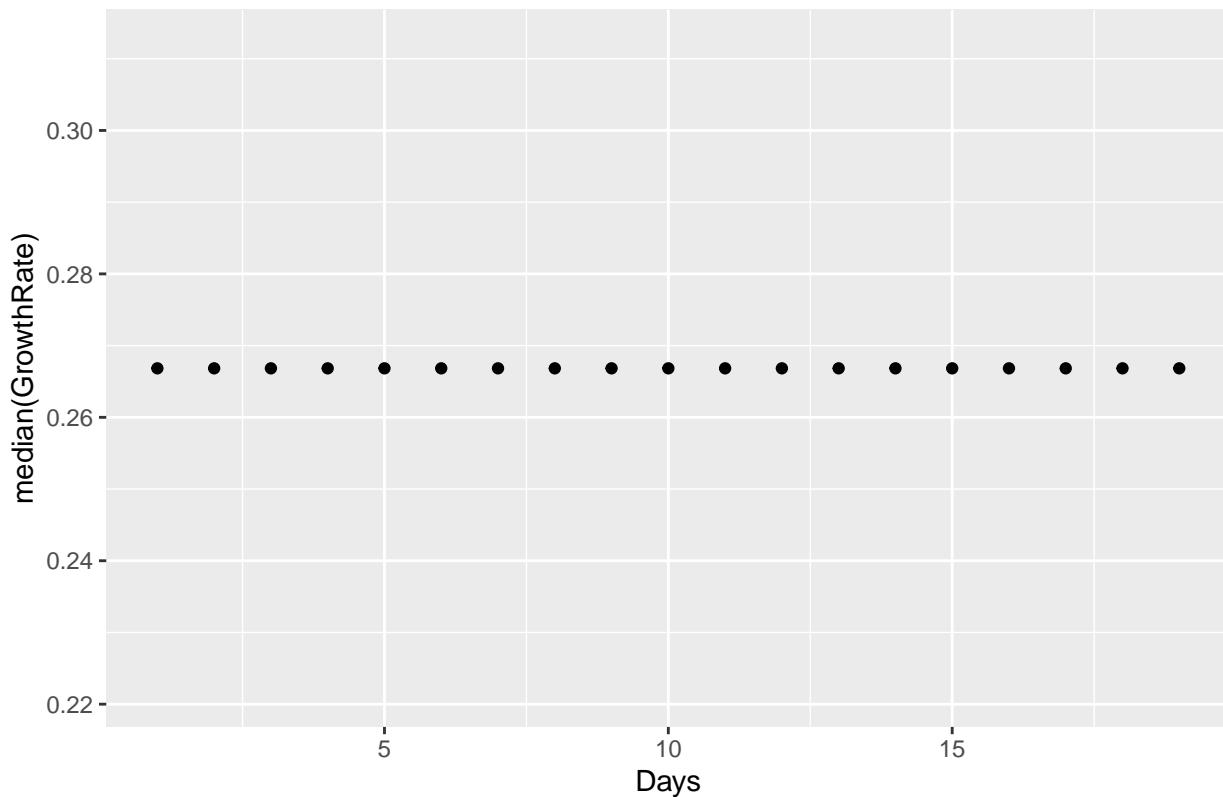
Doubling Rate in days



Doubling Rate vs Growth Rate



Arizona Median Growth Rate

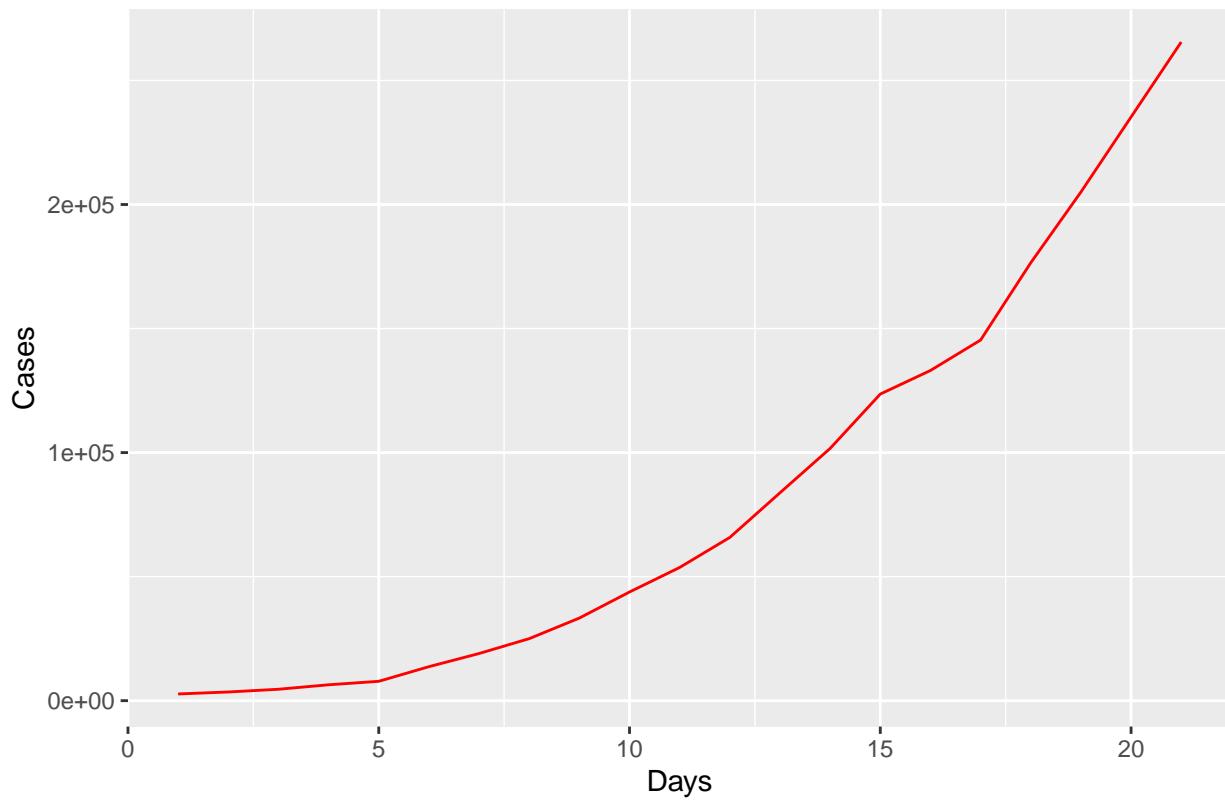


Results:

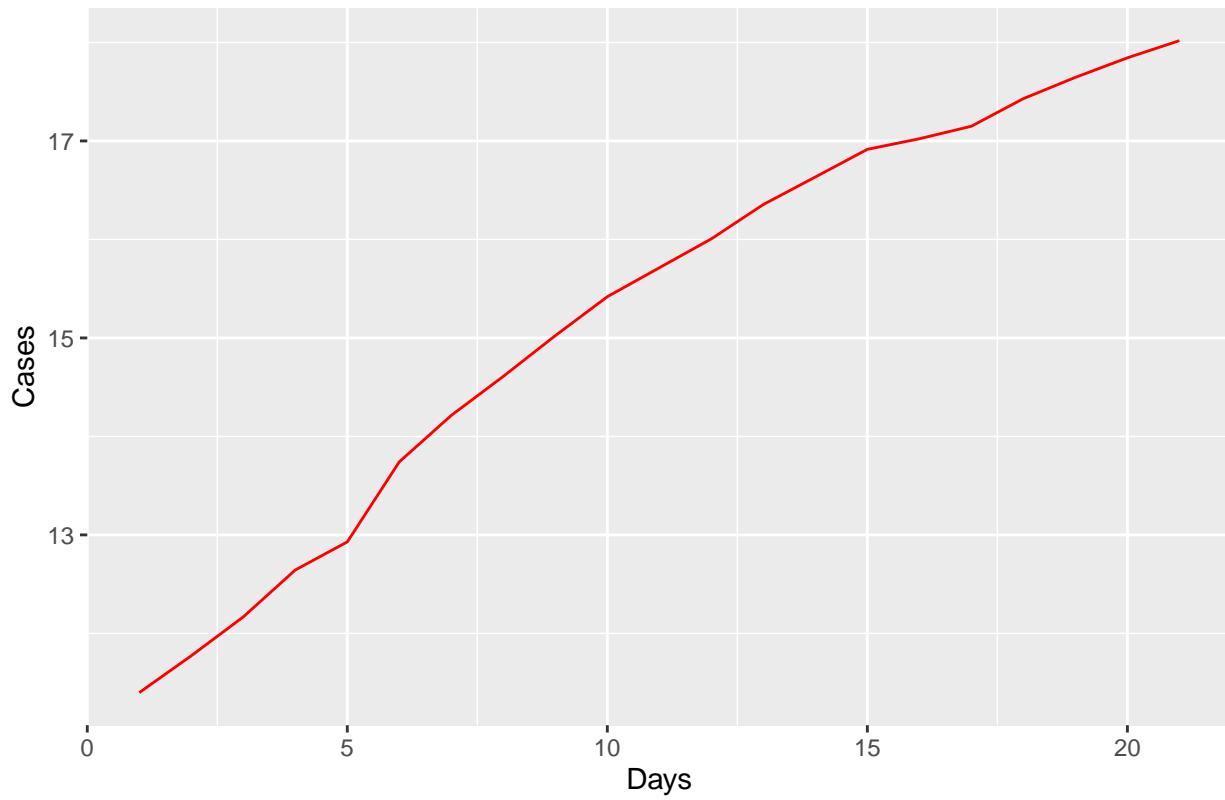
- Tomorrows predicted case number is between **1958.2984981** and **2320.1430305** cases.
- Current doubling rate is **7 days**
- Mean doubling rate, i.e number of cases doubles every **2 days**.
- Median doubling rate, i.e number of cases doubles every **3 days**.
- Latest Observed Growth Rate **10.7008761** percent.
- Mean Growth Rate: **31.1556264** percent.
- Median Growth Rate: **26.6832918** percent.
- Standard deviation: +/- **17.5661691**.

US Corona Dashboard

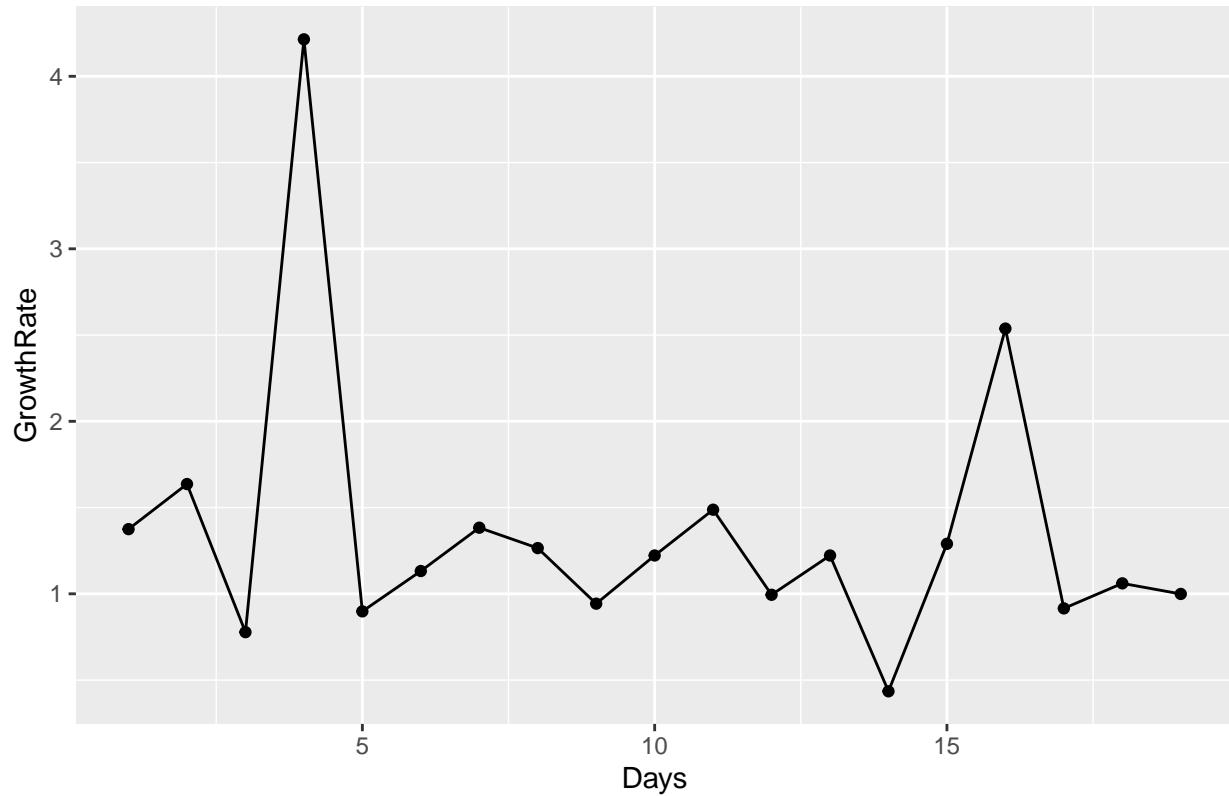
US: Daily Cases



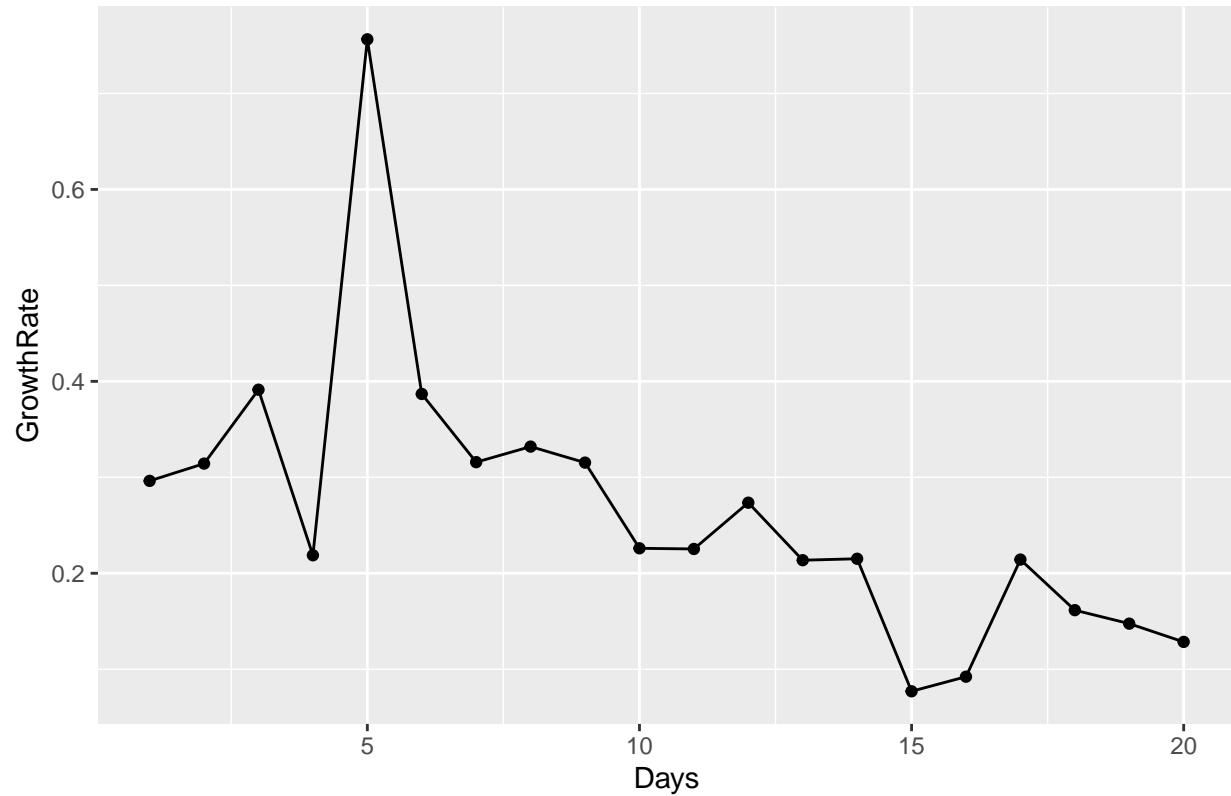
US: Daily Cases



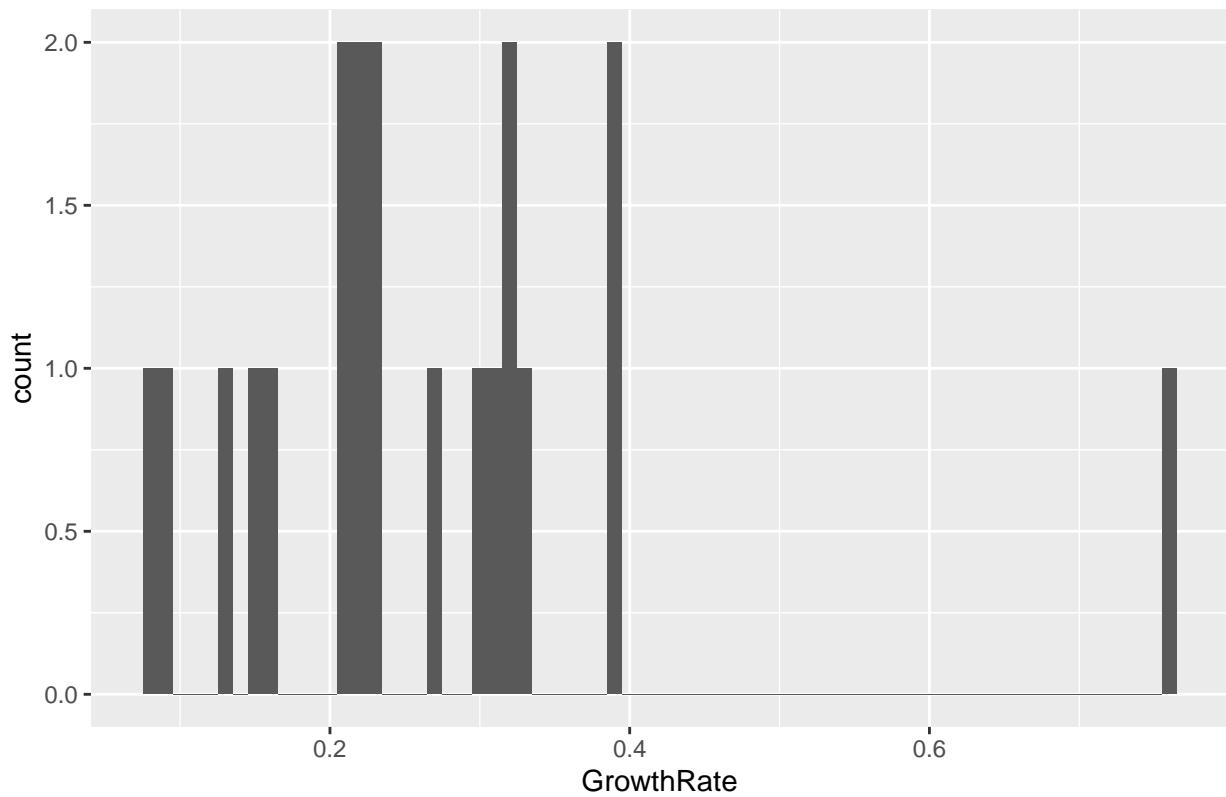
US: Rate of change in Growth Rate



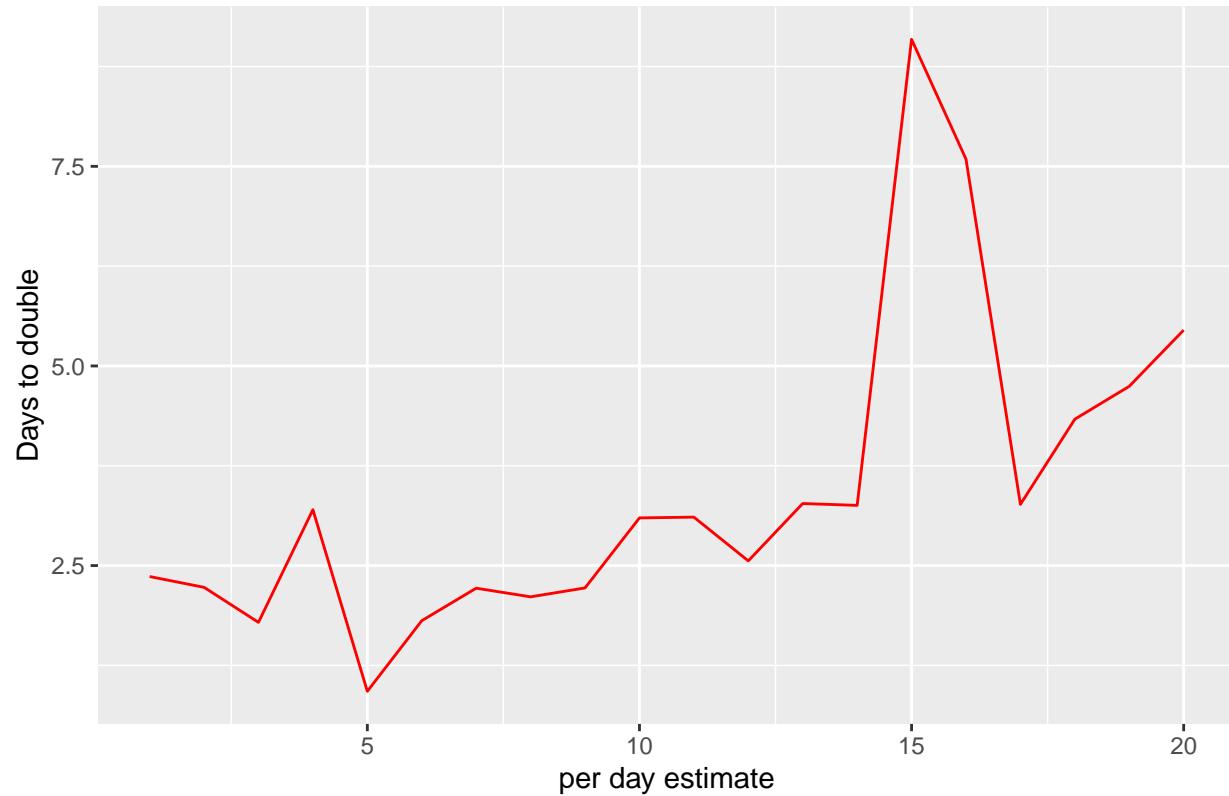
US: Growth Rate



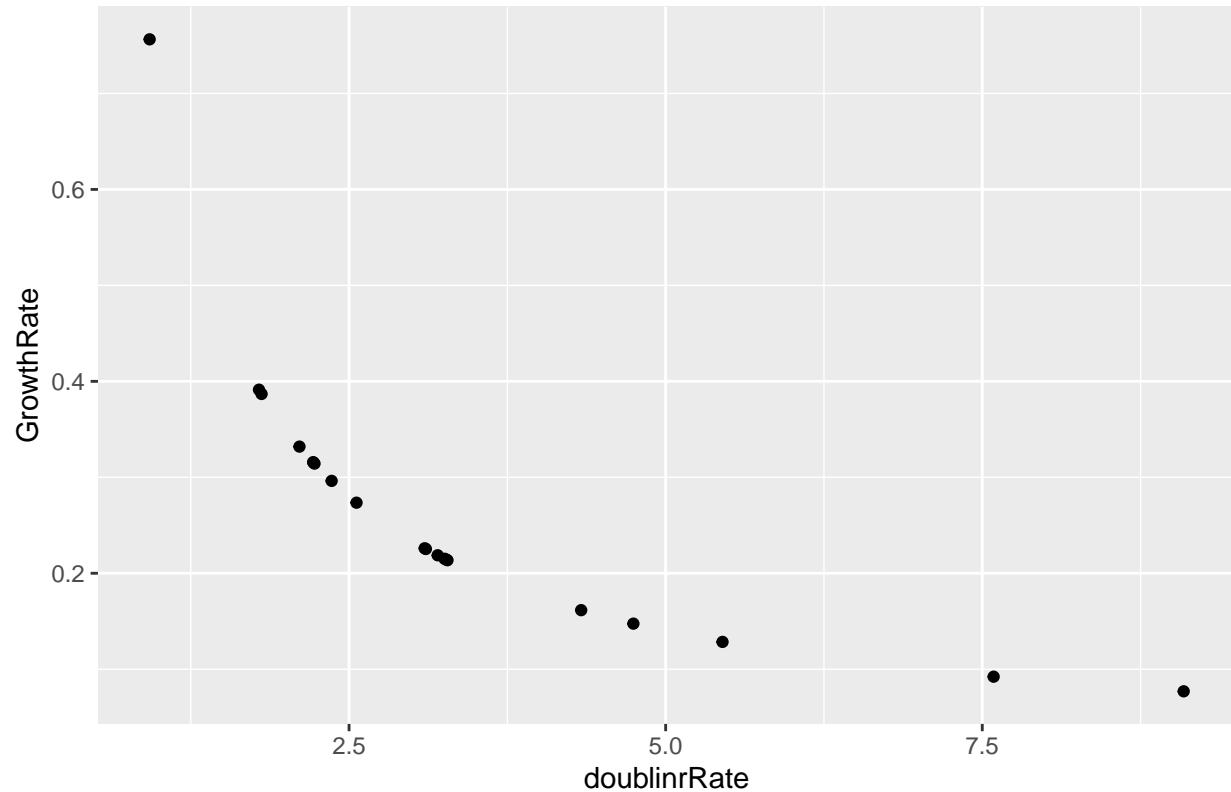
Histogram of GrowthRate

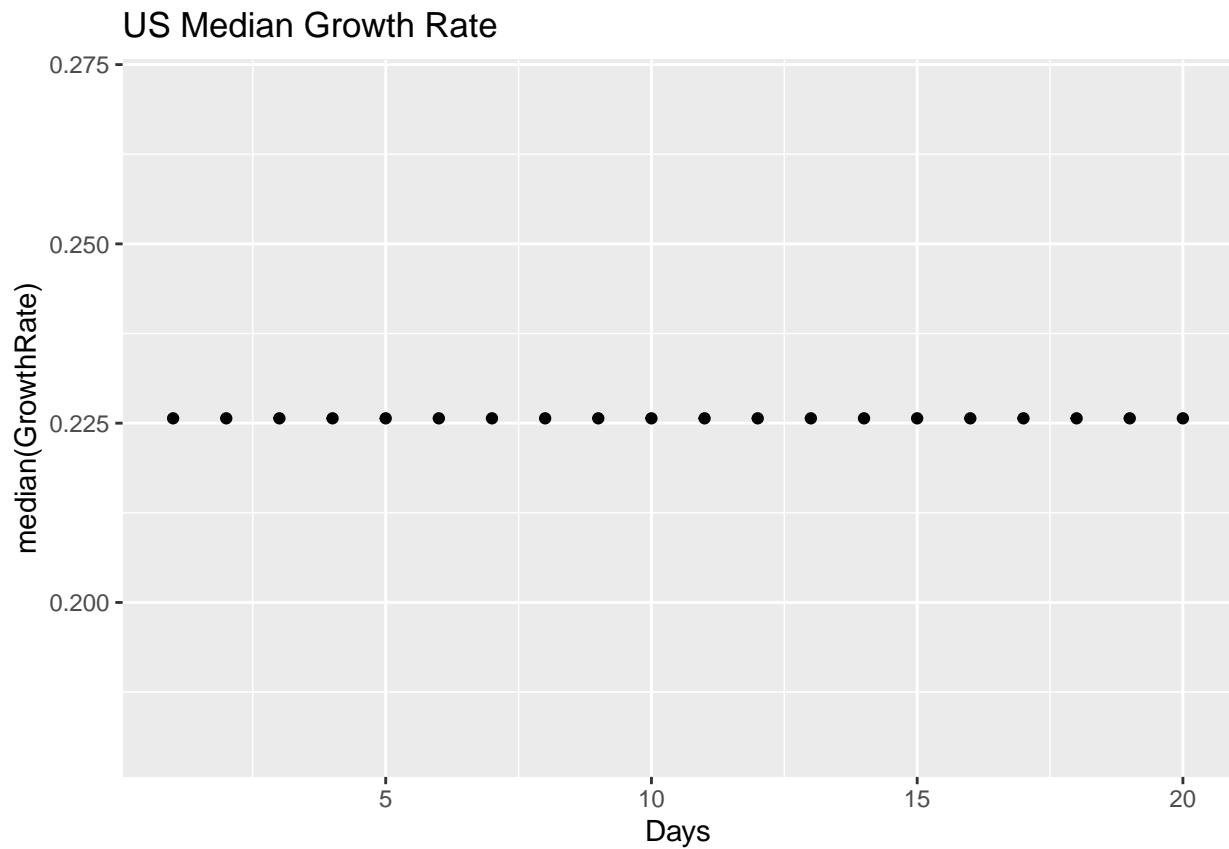


Doubling Rate in days



Doubling Rate vs Growth Rate



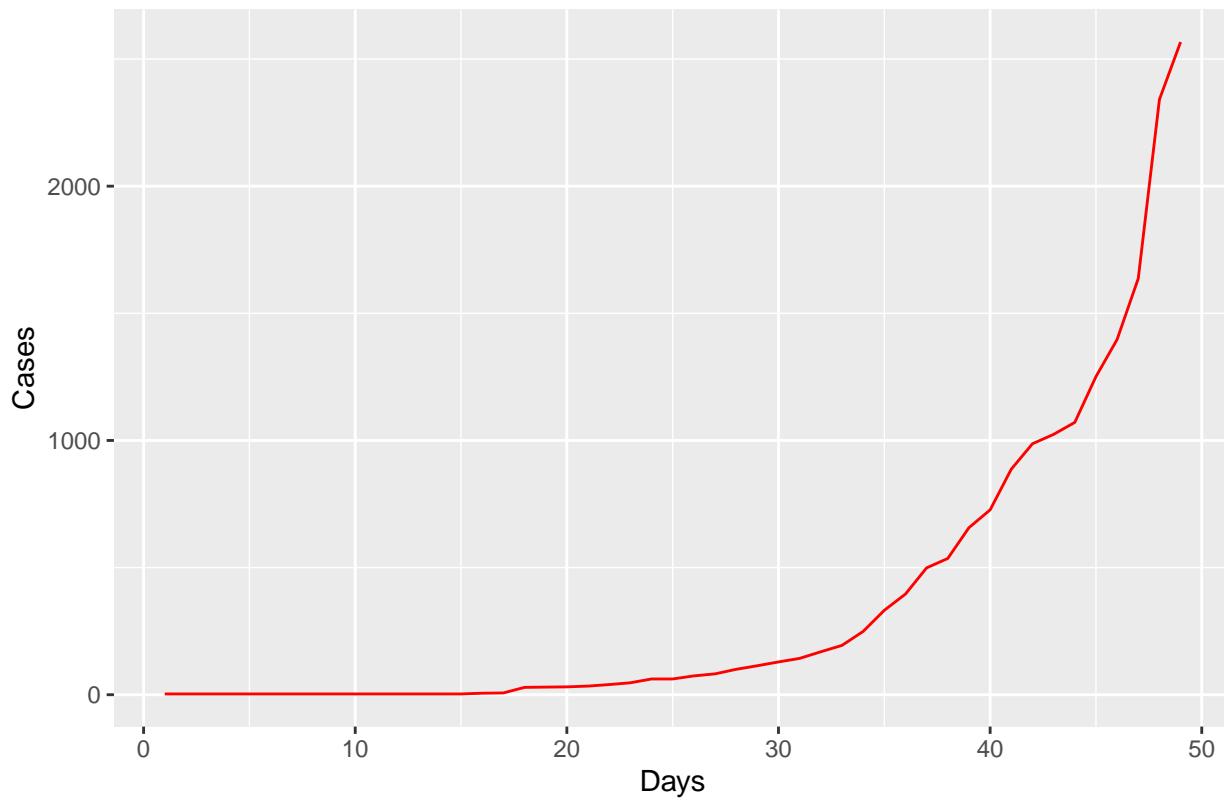


Results:

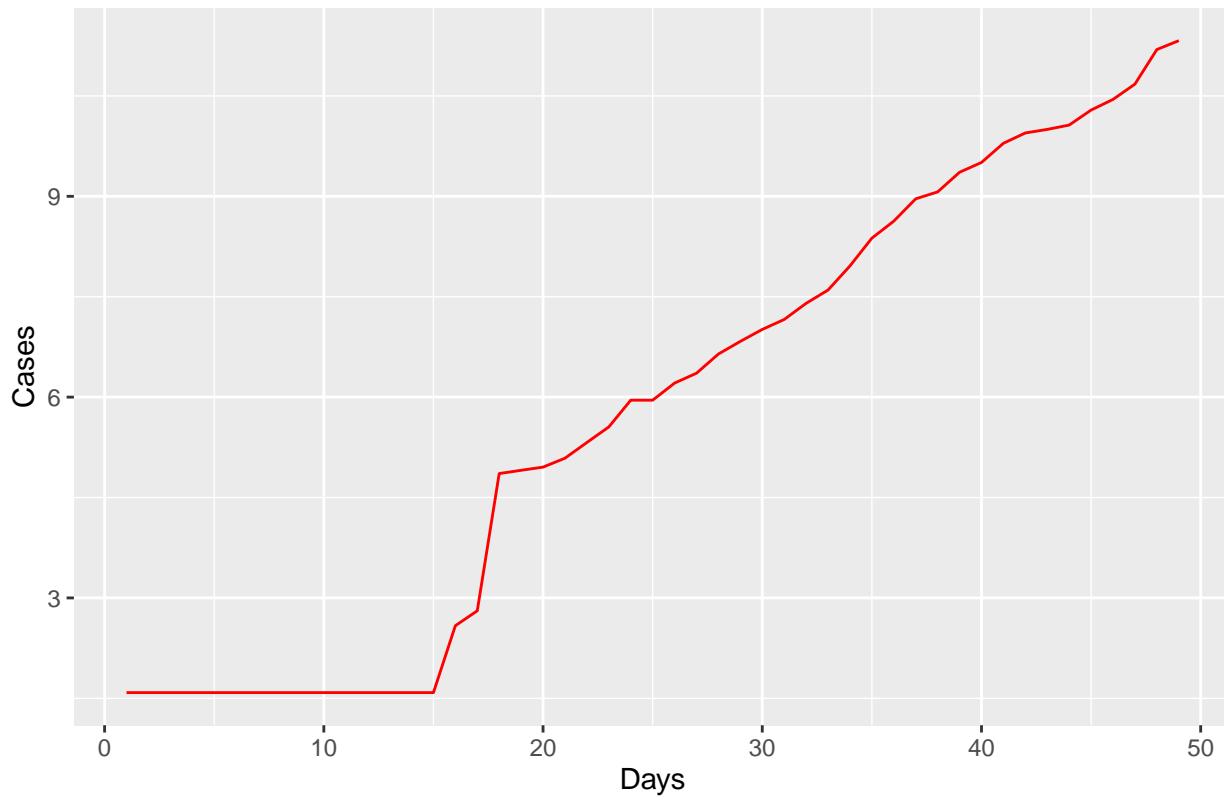
- Tomorrows predicted case number is between 2.9961381×10^5 and 3.3588751×10^5 cases.
- Current doubling rate is **5 days**
- Mean doubling rate, i.e number of cases doubles every **3 days**.
- Median doubling rate, i.e number of cases doubles every **3 days**.
- Latest Observed Growth Rate **12.8463412** percent.
- Mean Growth Rate: **26.5084451** percent.
- Median Growth Rate: **22.5676641** percent.
- Standard deviation: +/- **14.6294882**.

India Corona Dashboard

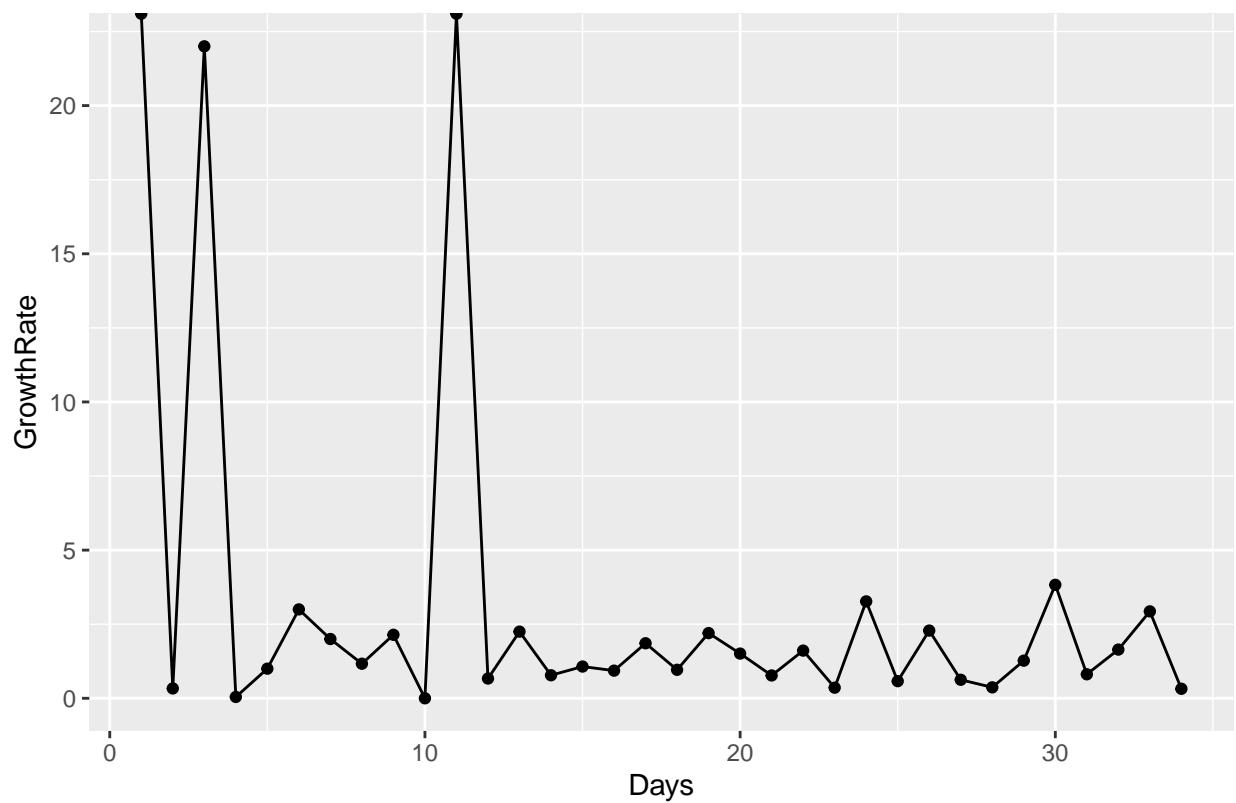
India: Daily Cases



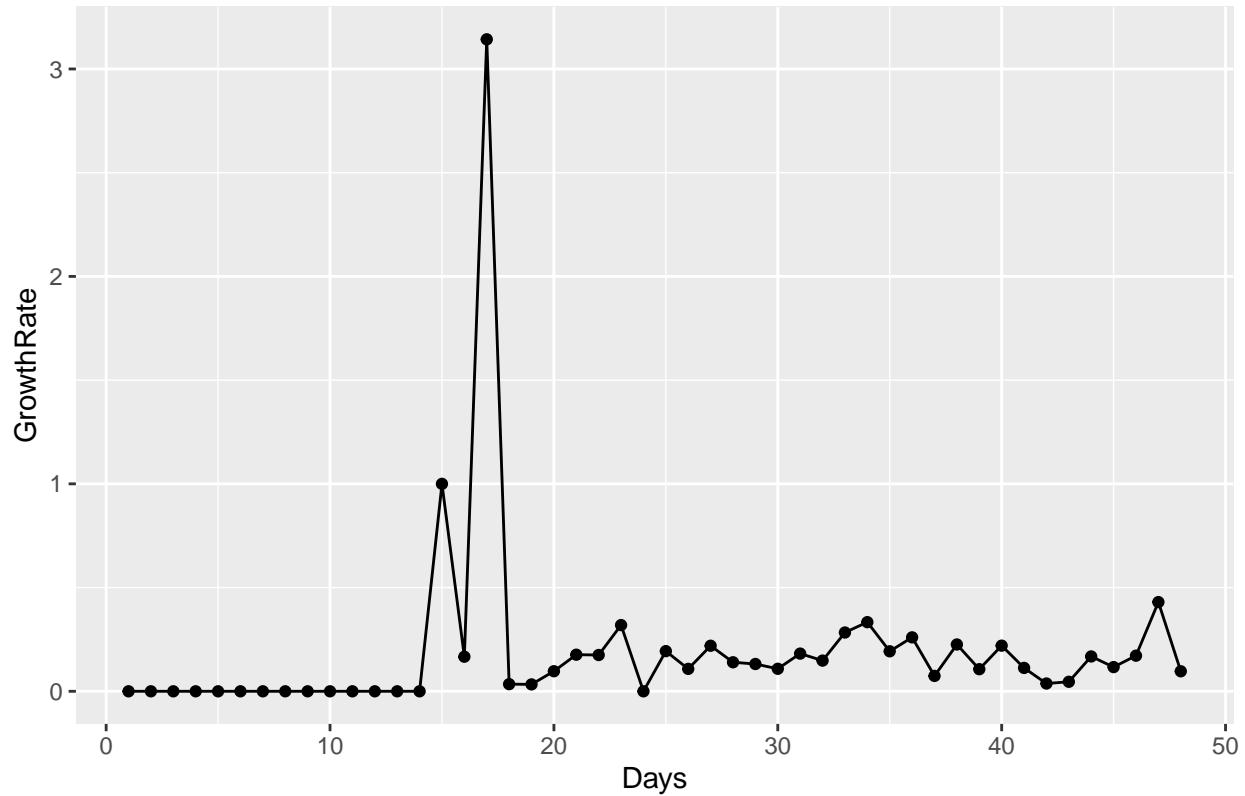
India: Daily Cases



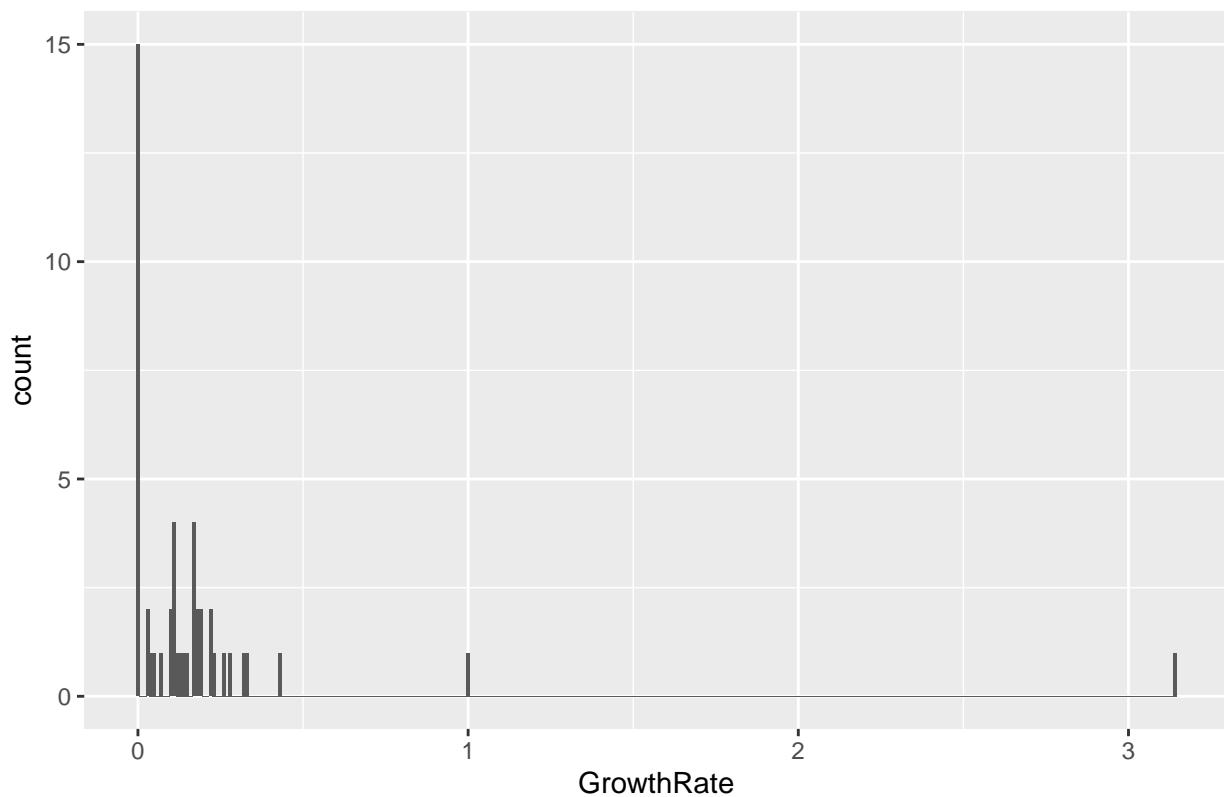
US: Rate of change in Growth Rate

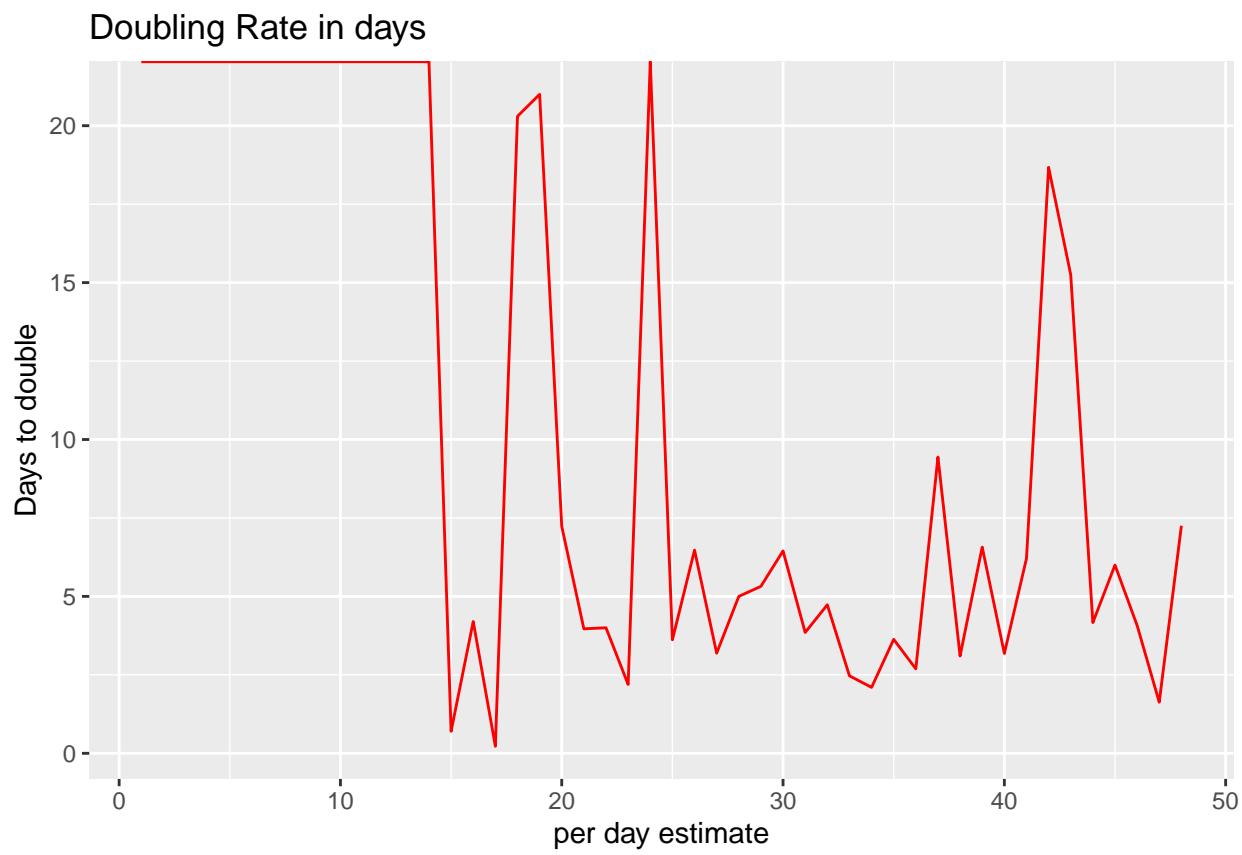


India: Growth Rate

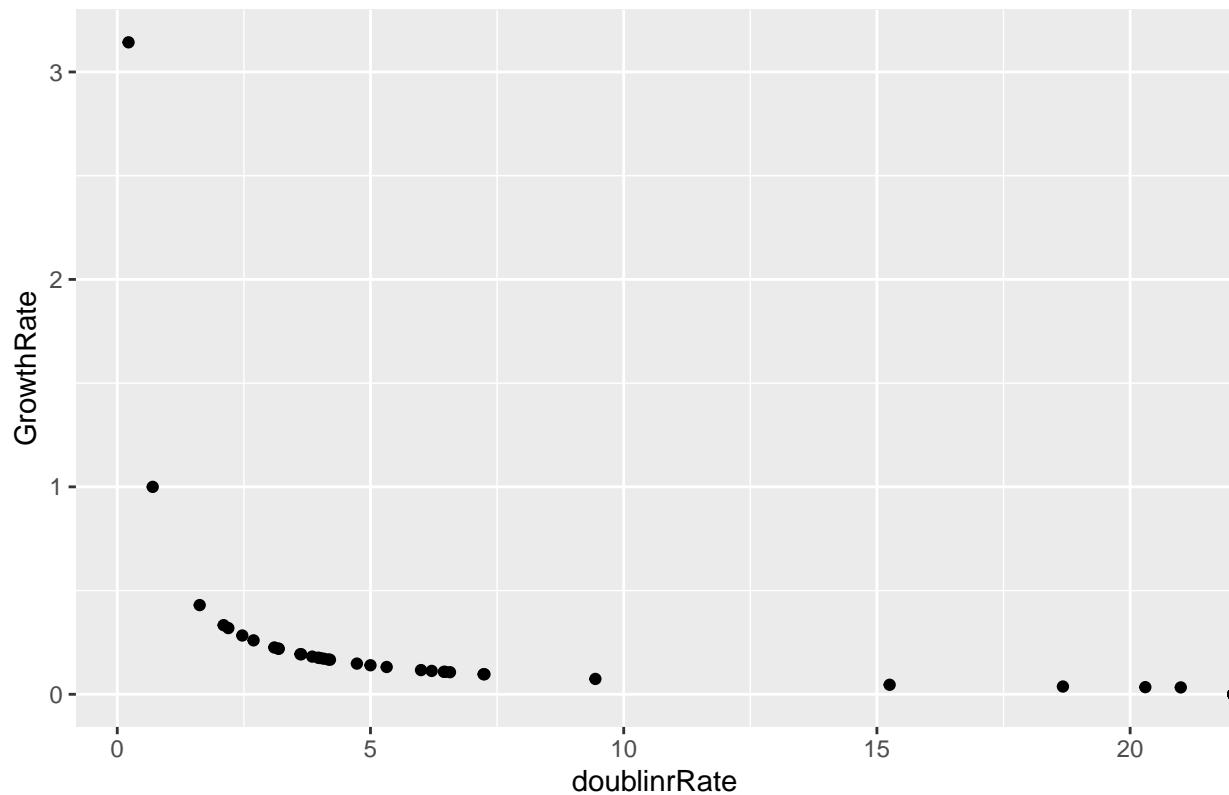


Histogram of GrowthRate

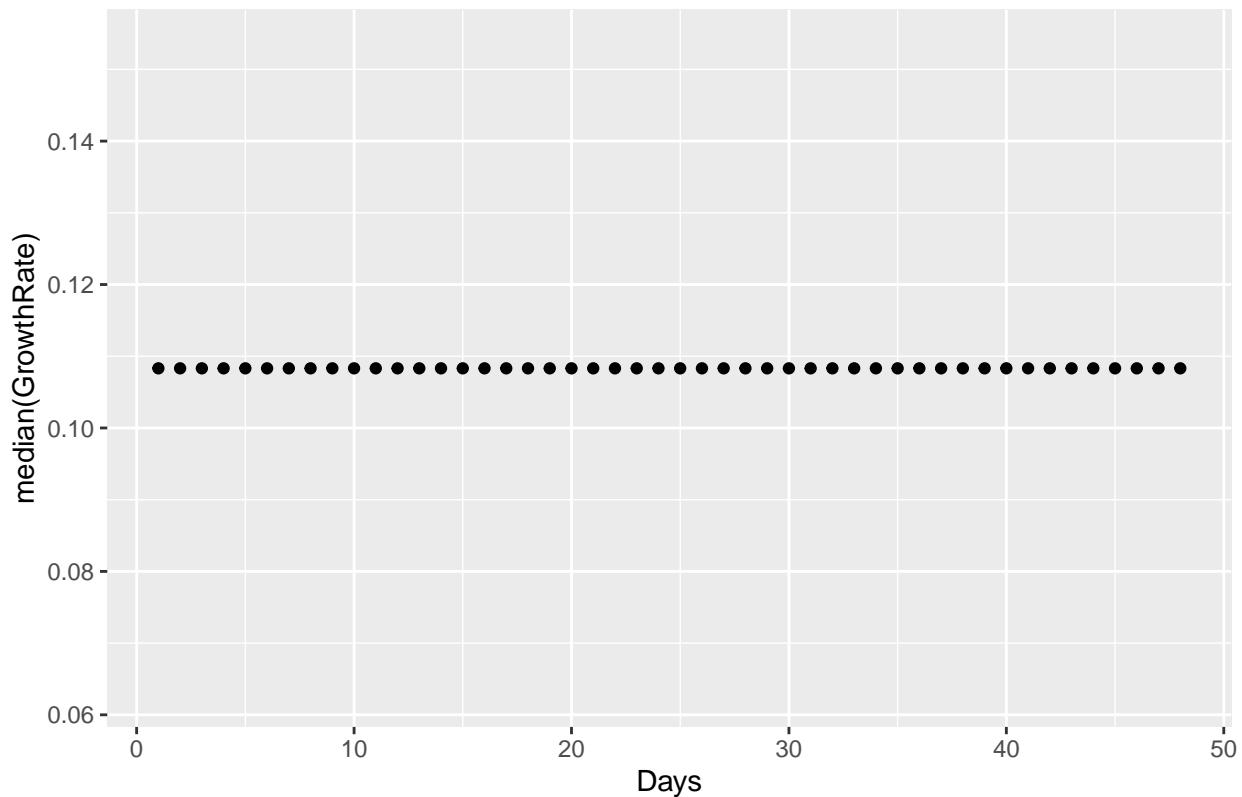




Doubling Rate vs Growth Rate



India Median Growth Rate



Results:

- Tomorrows predicted case number is between **2814.8180265** and **3061.7506903** cases.
- Current doubling rate is **7 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 **9.653994** percent.
- Mean Growth Rate: **19.2734979** percent.
- Median Growth Rate: **10.831762** percent.
- Standard deviation: +/- **46.569453**.