

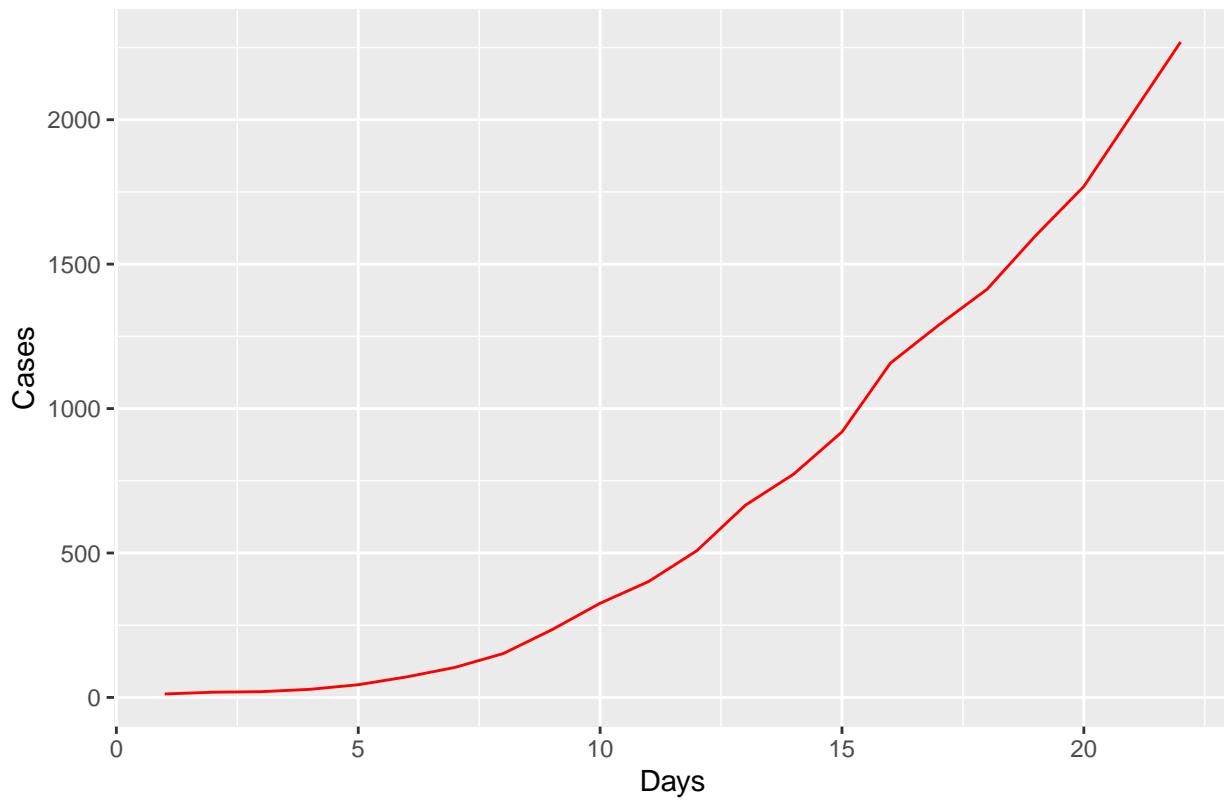
Arizona/US/India Corona Trends- 5th April 2020 with tomorrow's prediction

Whitchurch Muthumani

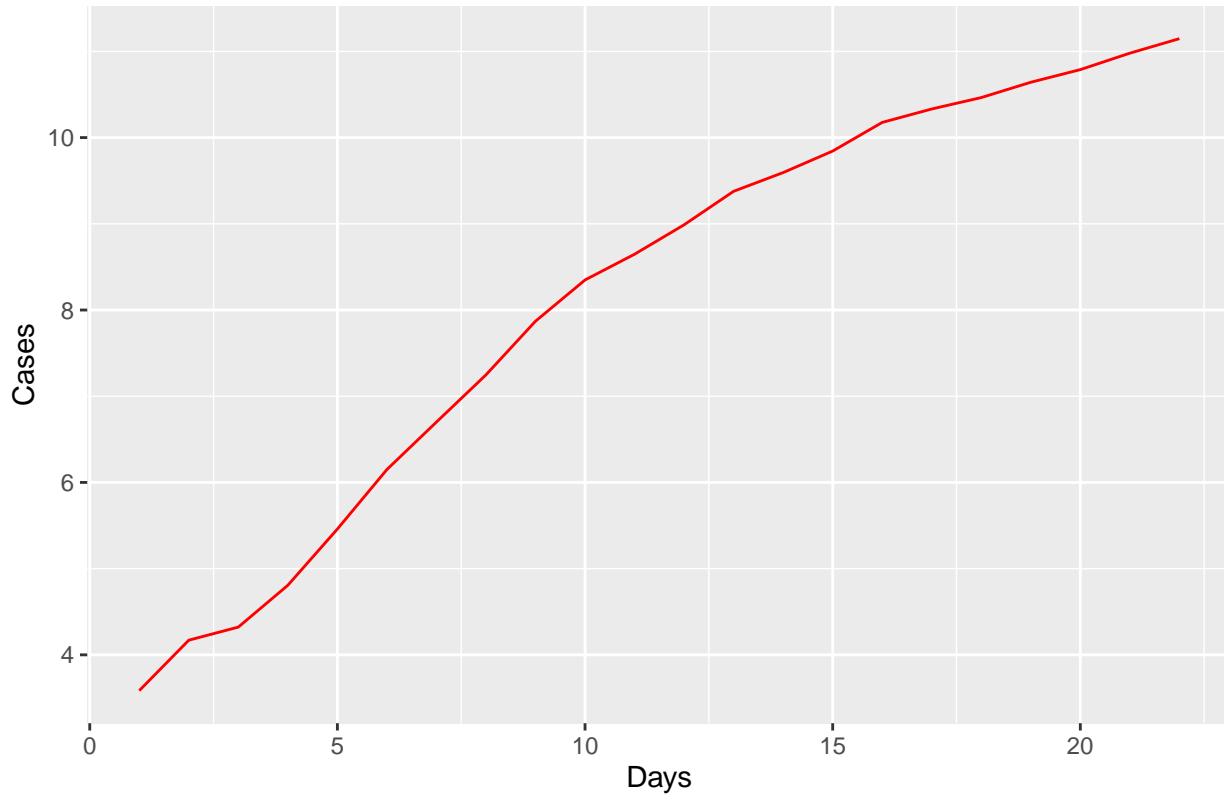
4/5/2020

Arizona Corona Dashboard

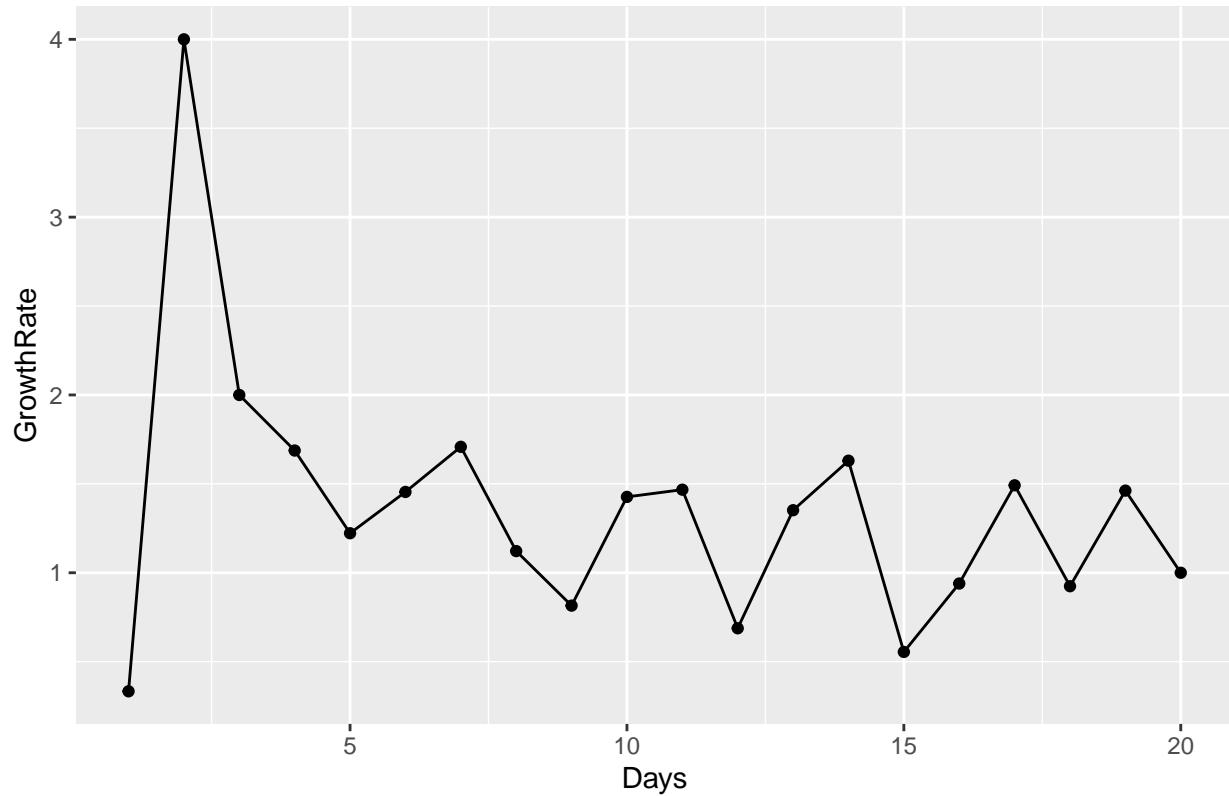
Arizona: Daily Cases



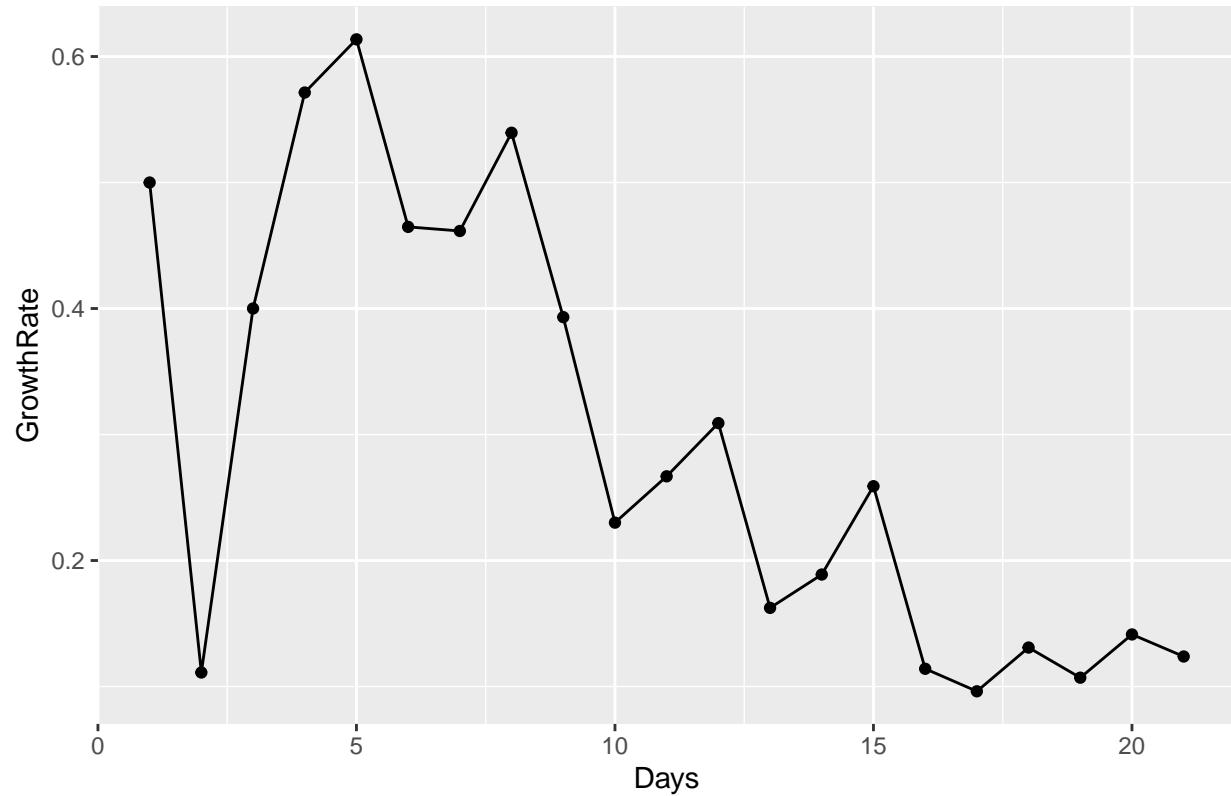
Arizona: Daily Cases



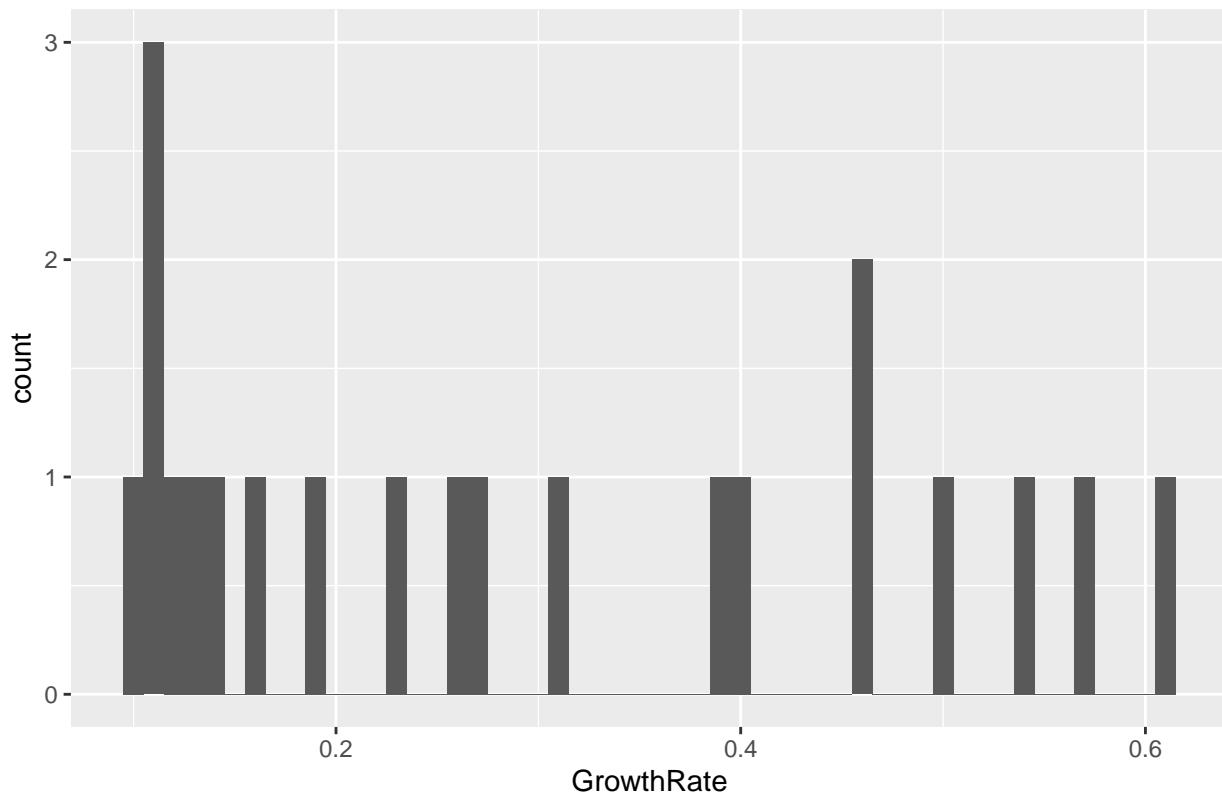
Arizona: Rate of change in Growth Rate



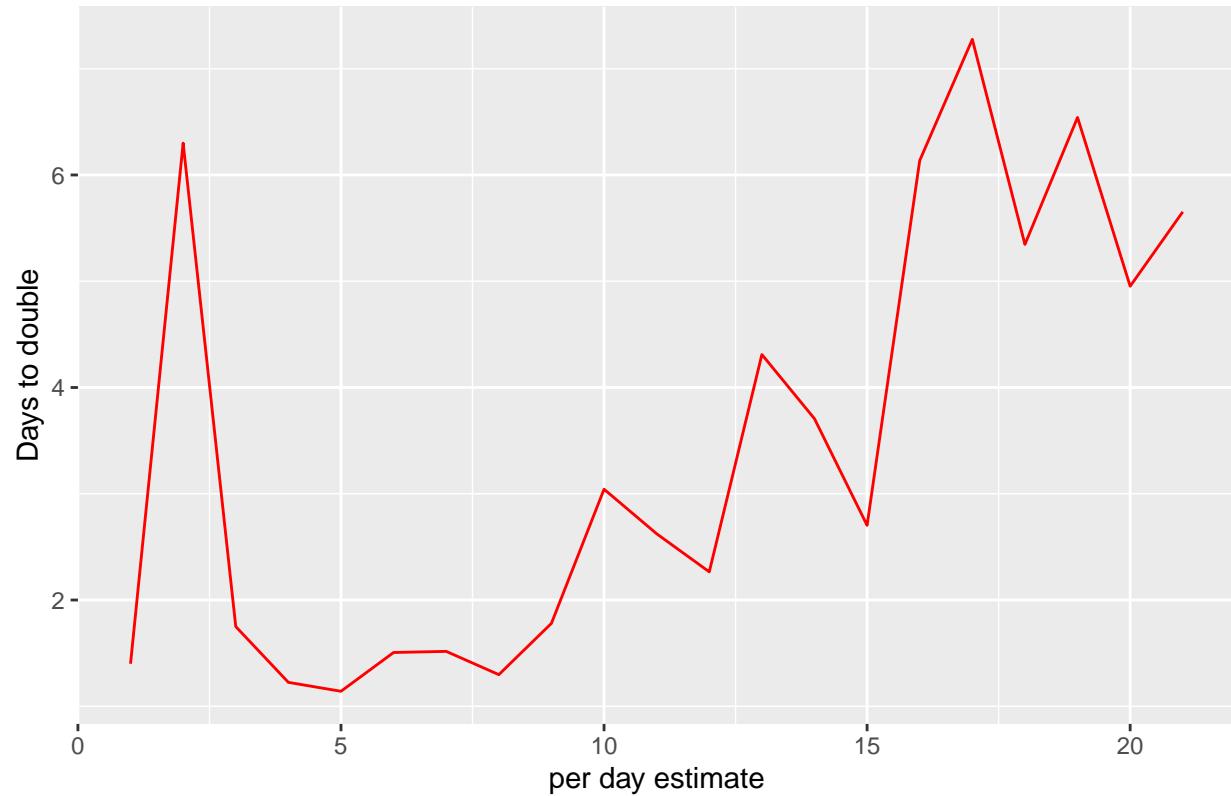
Arizona: Growth Rate



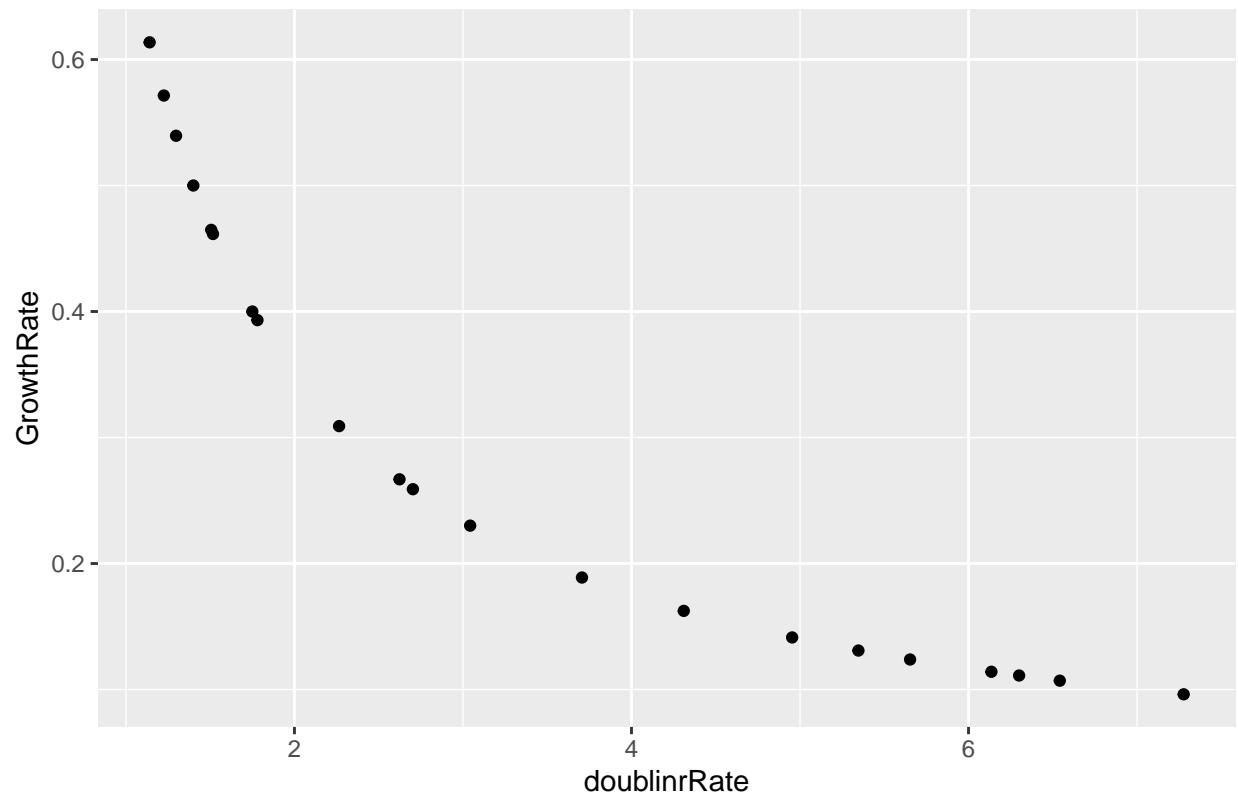
Histogram of GrowthRate



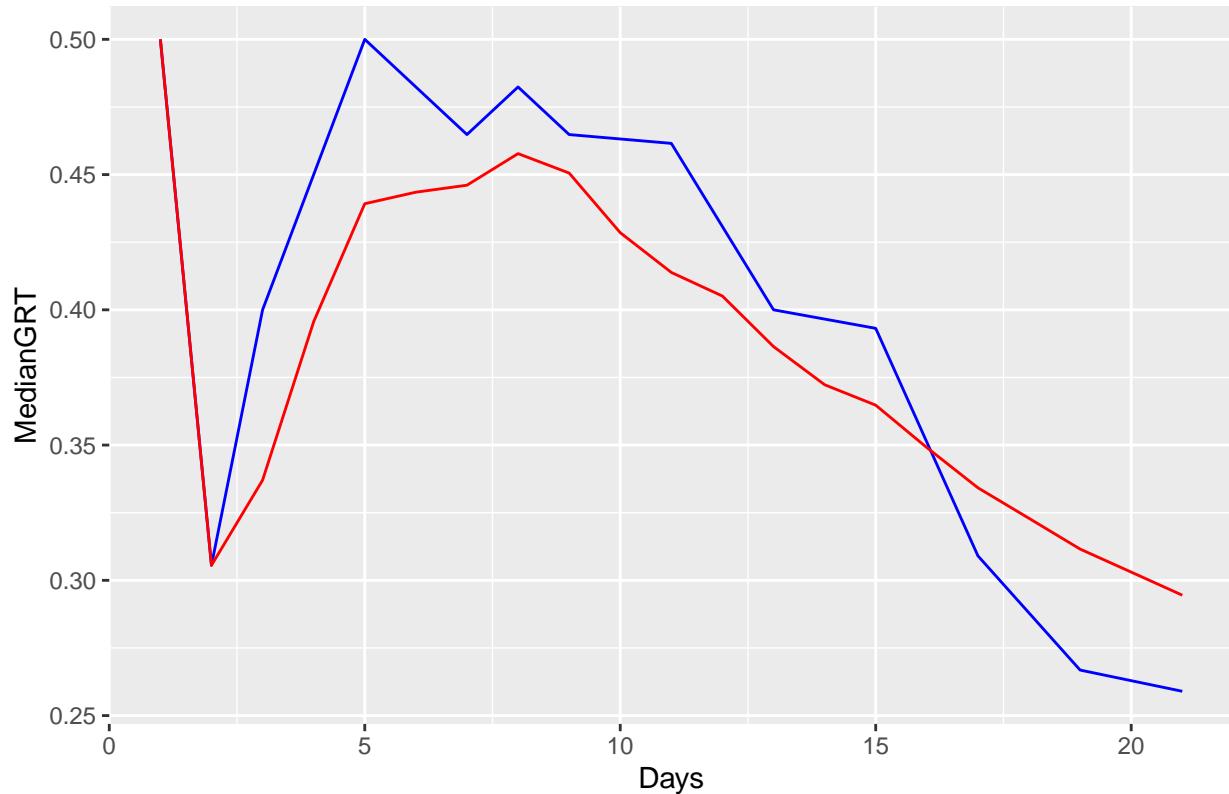
Doubling Rate in days



Doubling Rate vs Growth Rate



Arizona Median(BLUE)VsMean(RED) Growth Rate

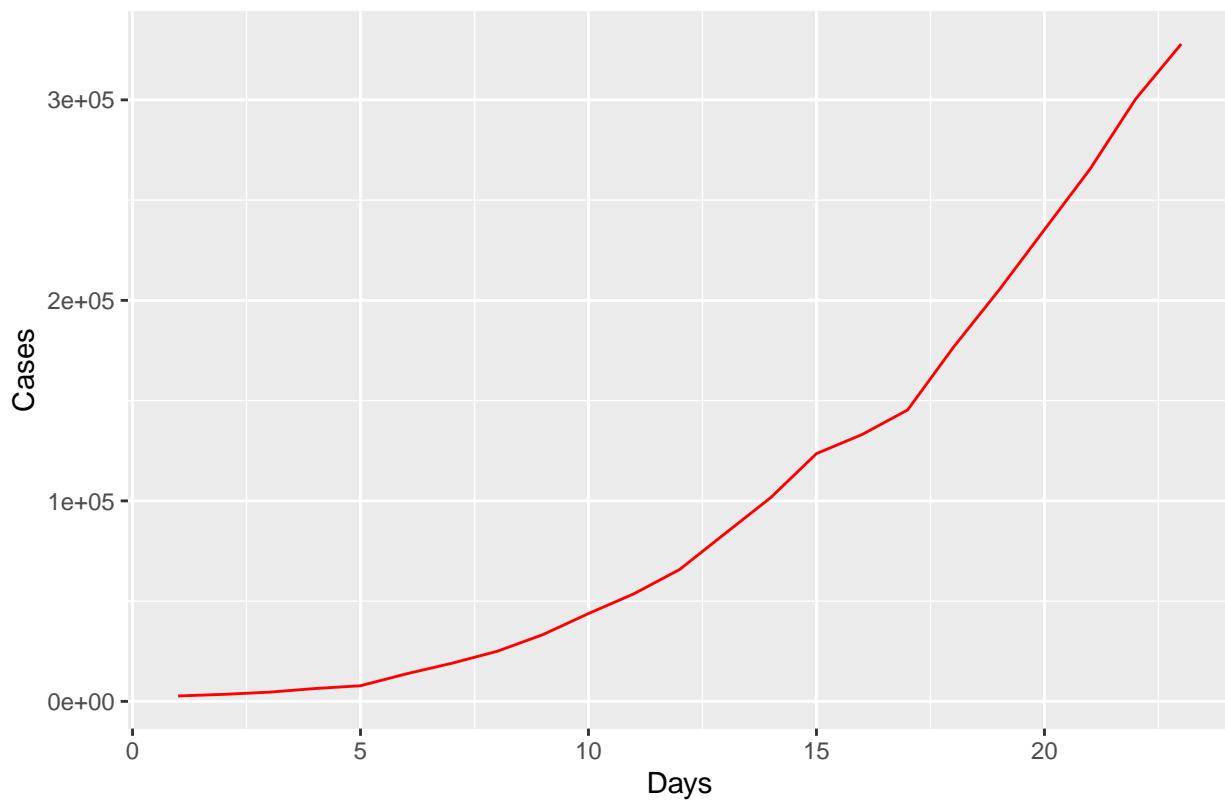


Results:

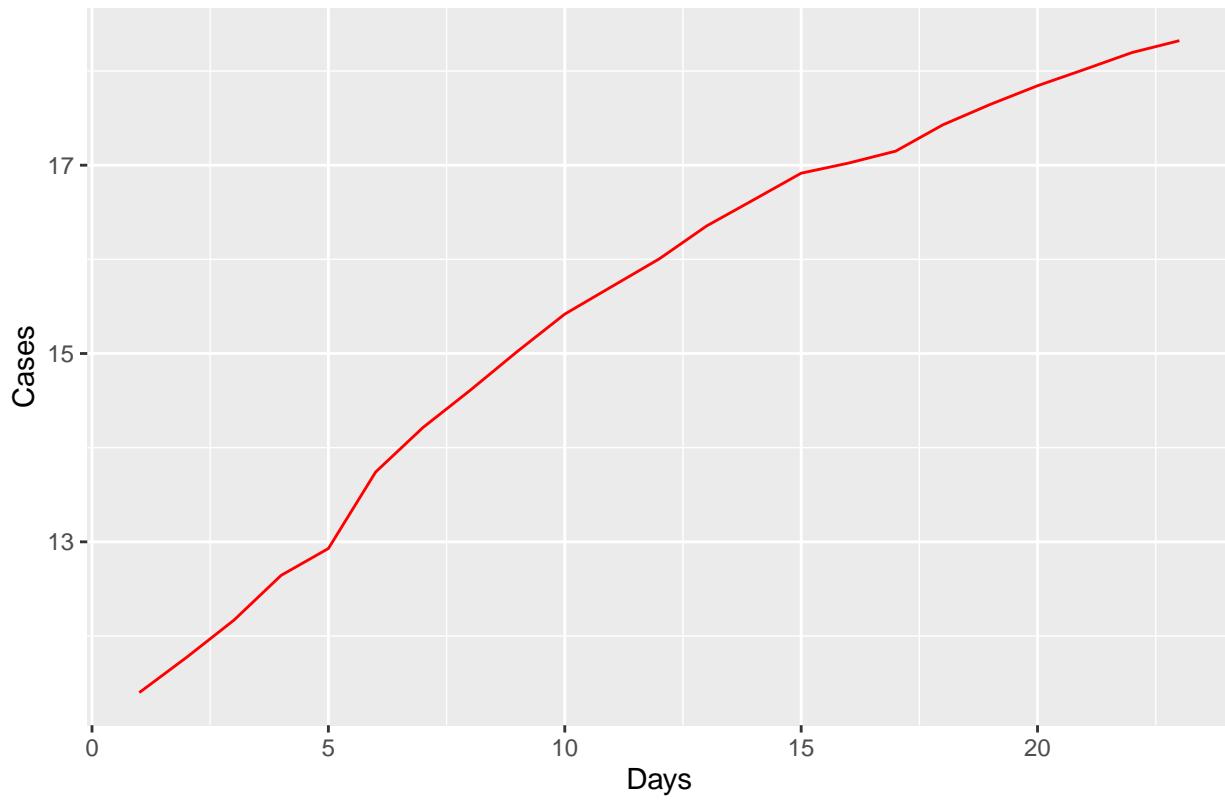
- Tomorrows predicted case number is between **2549.9559188** and **2937.2437807** cases.
- Current doubling rate is **6 days**
- Mean doubling rate, i.e number of cases doubles every **2 days**.
- Median doubling rate, i.e number of cases doubles every **3 days**.
- Latest Observed Growth Rate **12.3823675**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

US Corona Dashboard

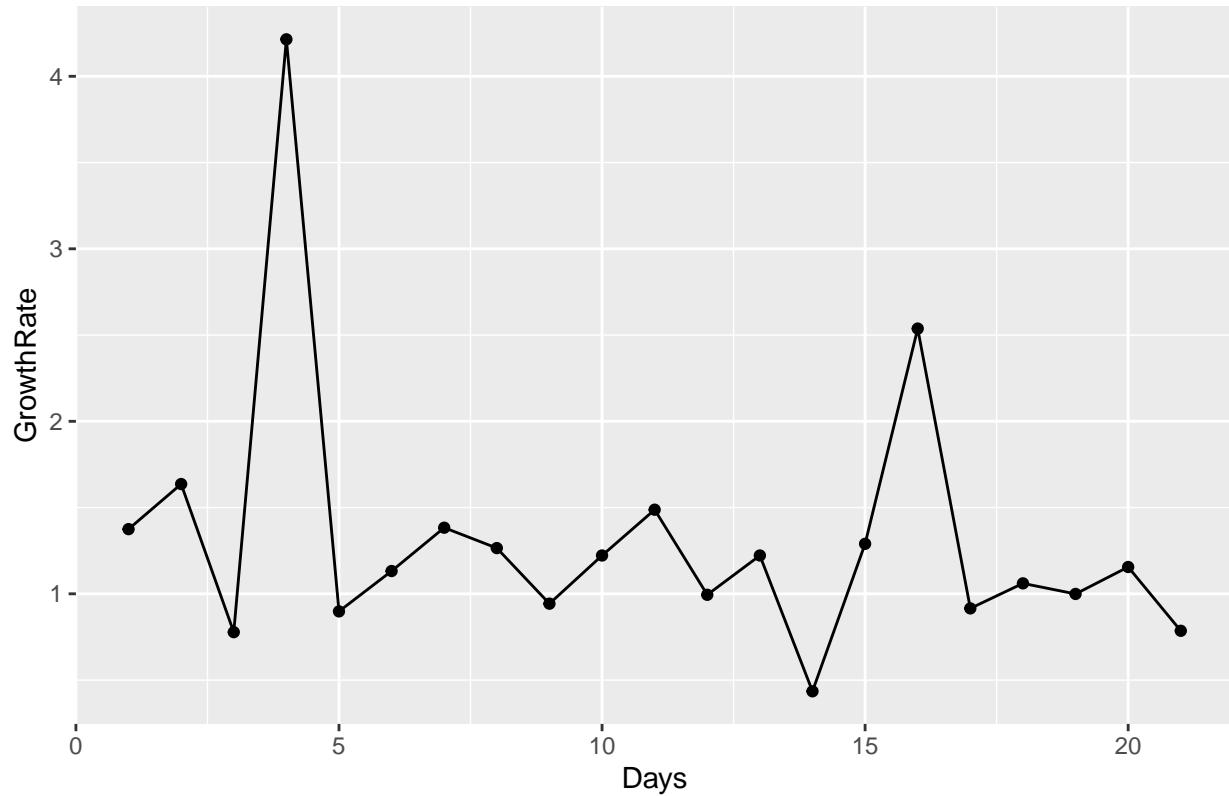
US: Daily Cases



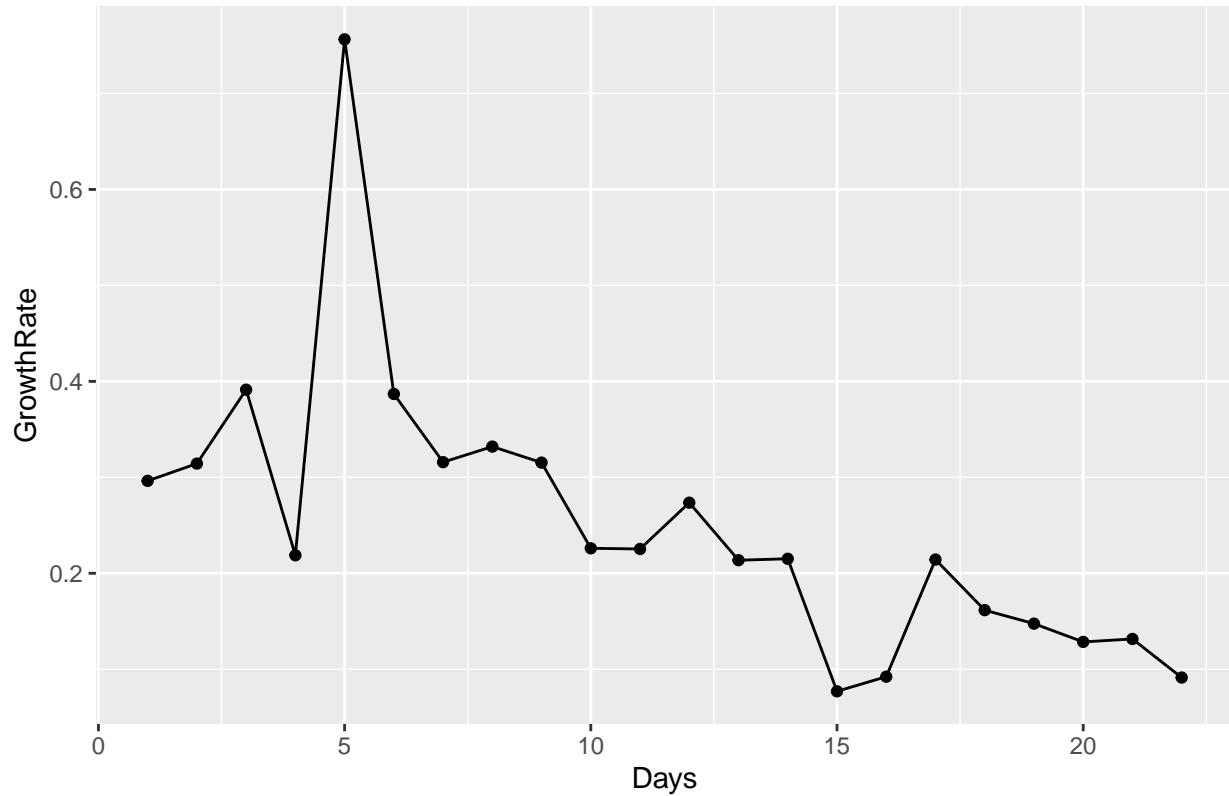
US: Daily Cases



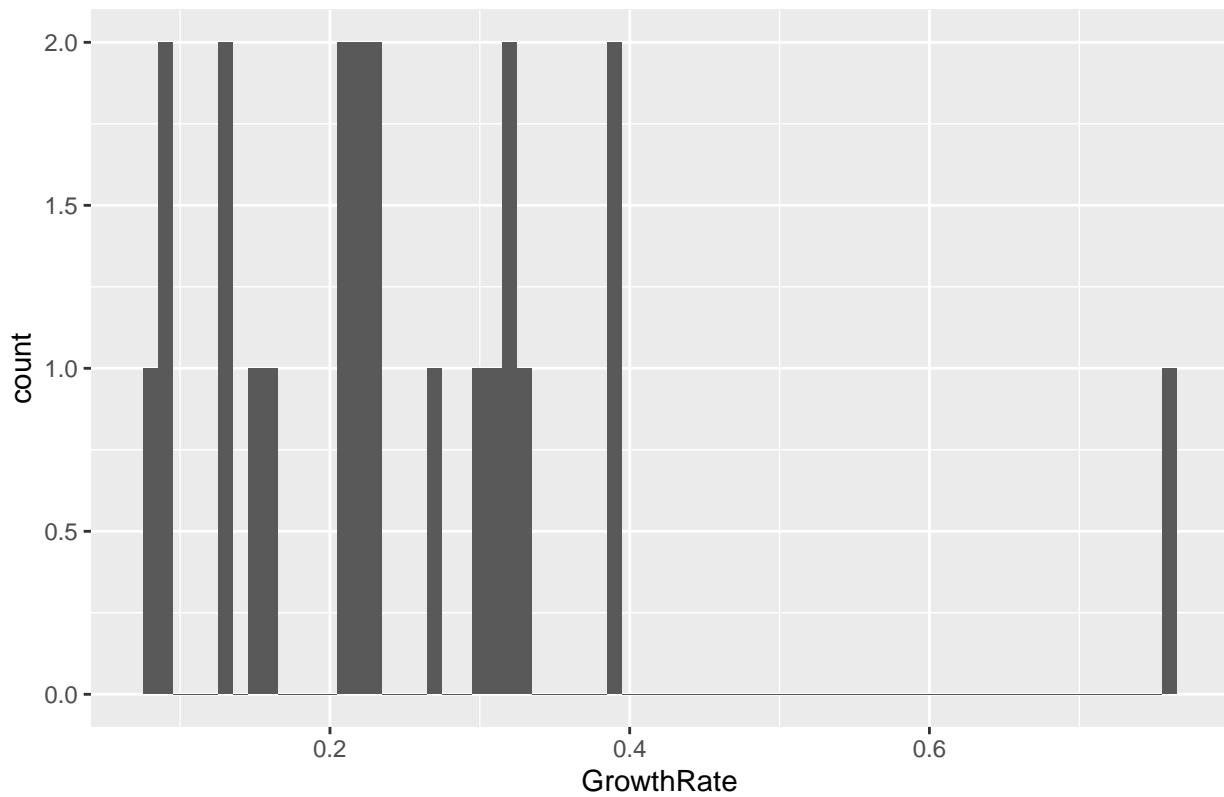
US: Rate of change in Growth Rate



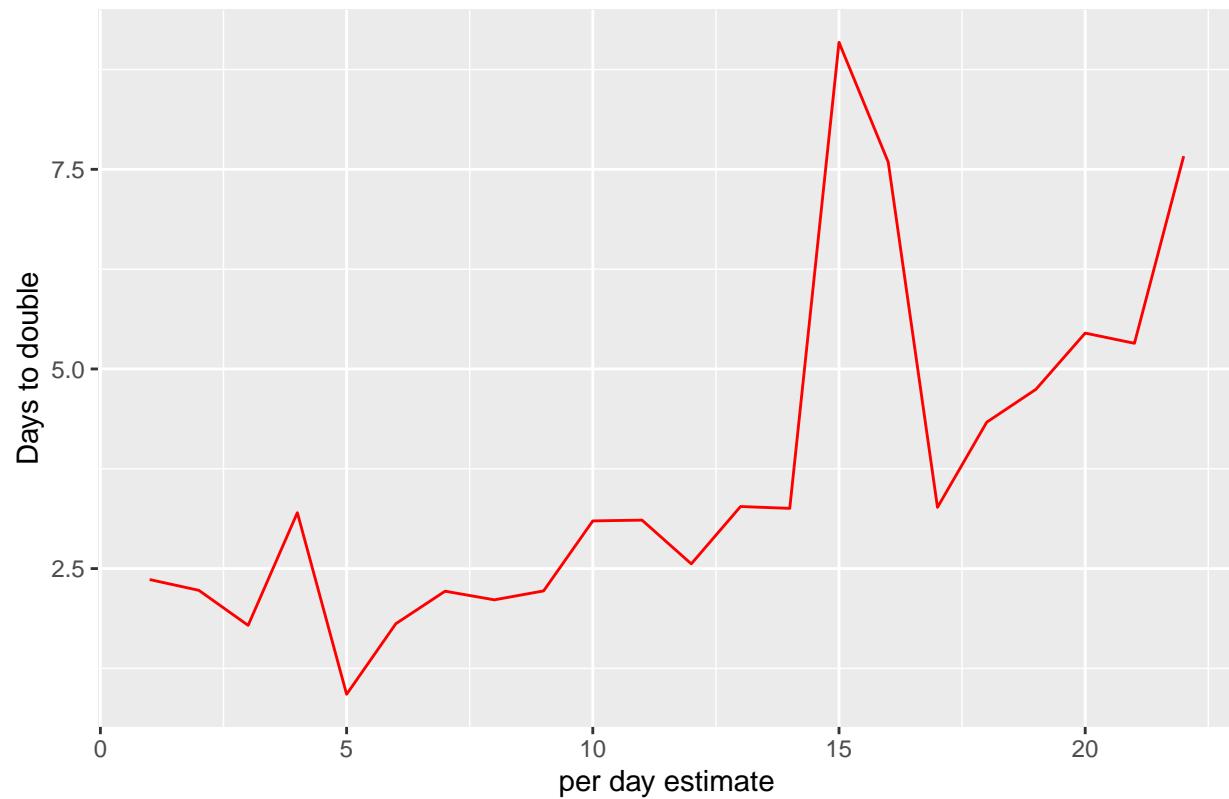
US: Growth Rate



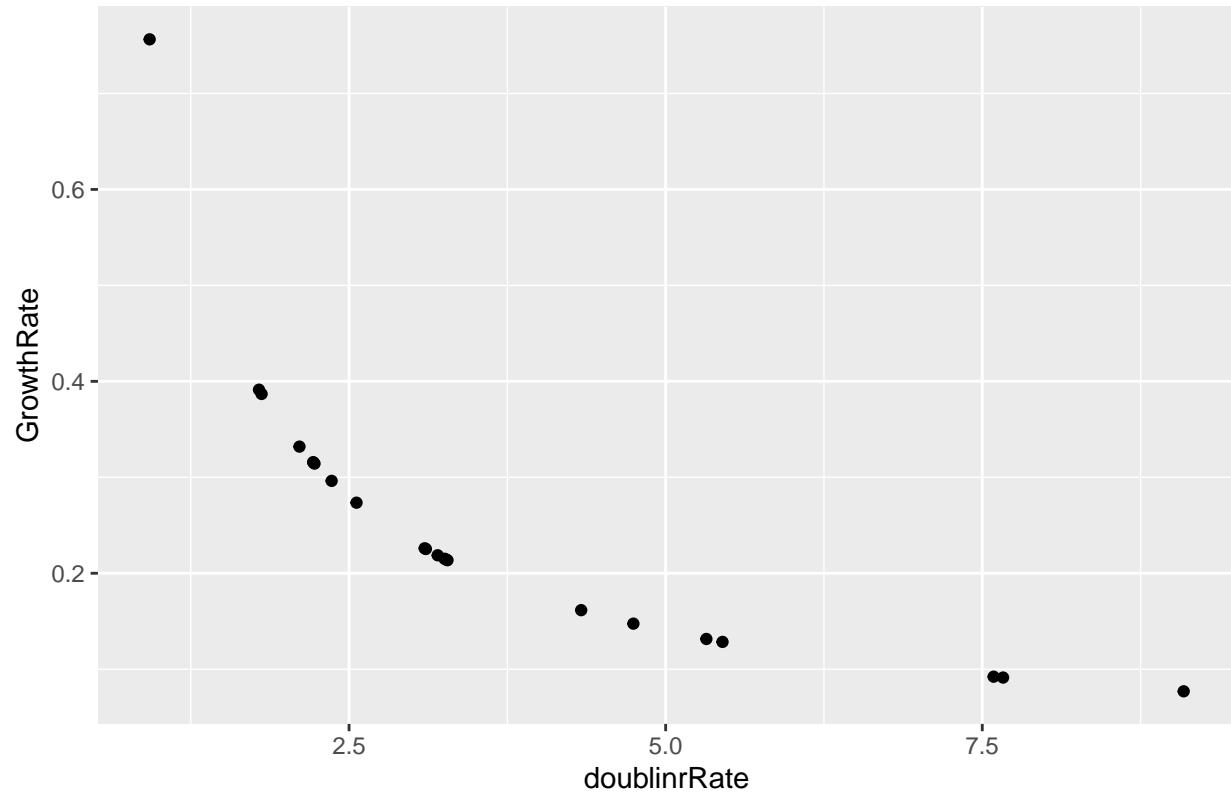
Histogram of GrowthRate



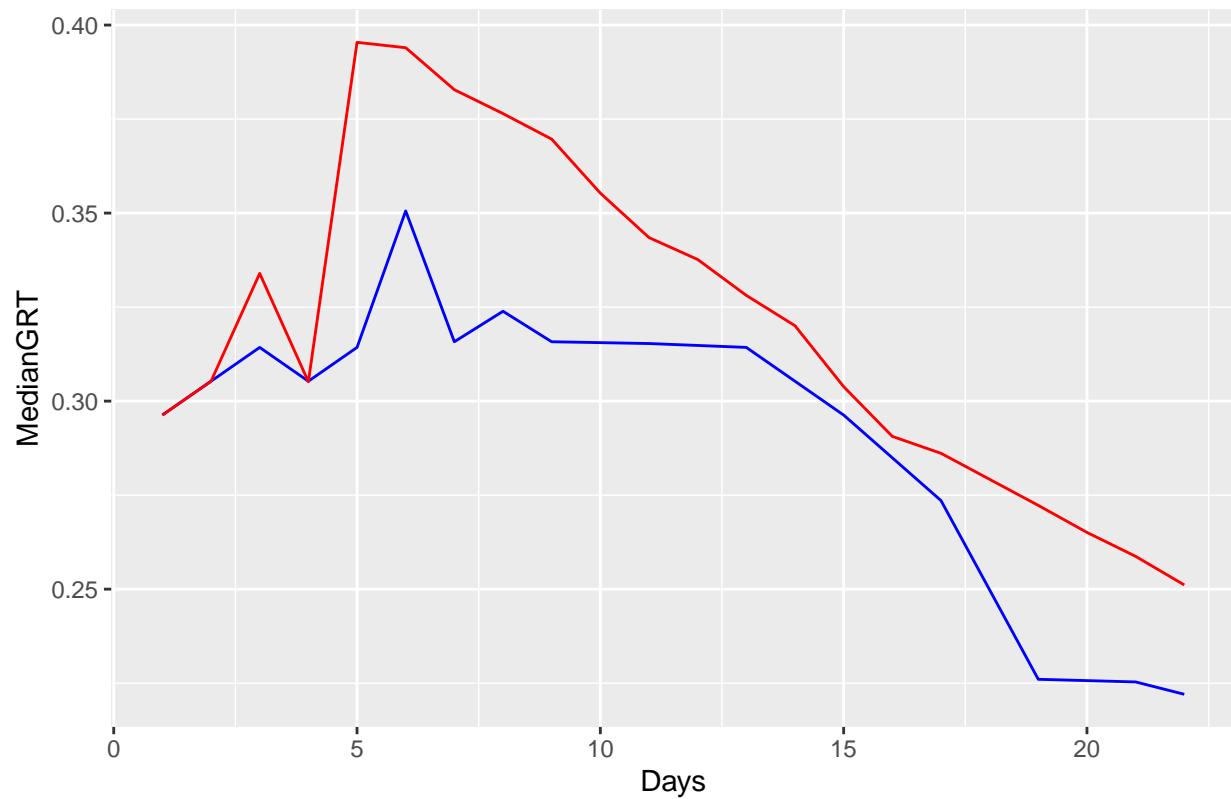
Doubling Rate in days



Doubling Rate vs Growth Rate



US Median(BLUE)VsMean(RED) Growth Rate

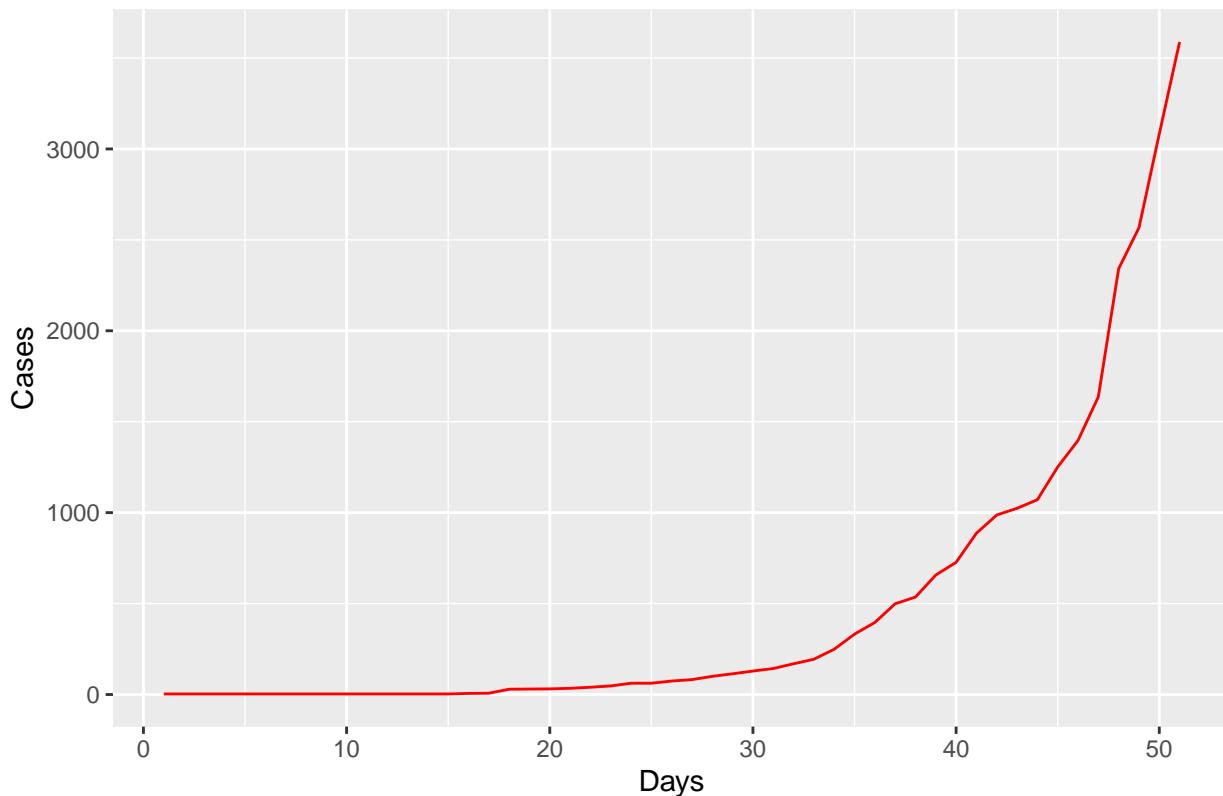


Results:

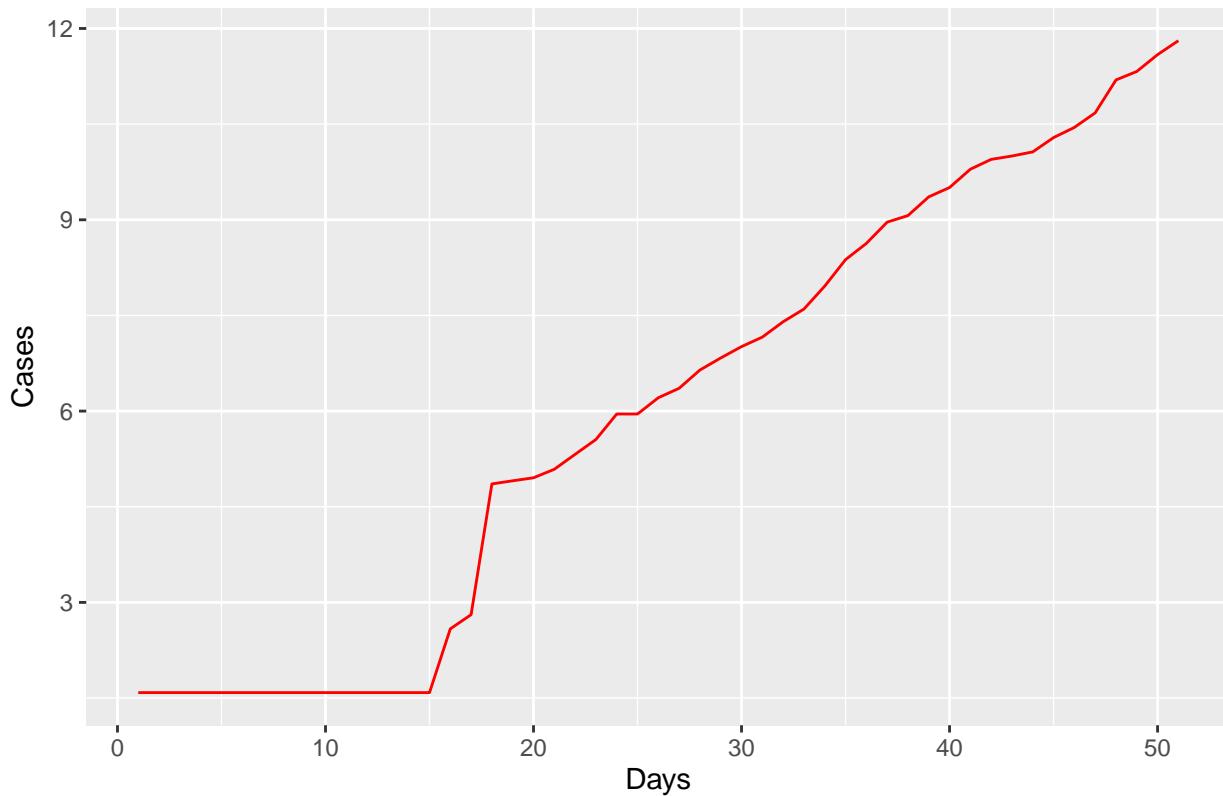
- Tomorrows predicted case number is between 3.5781605×10^5 and 4.1020486×10^5 cases.
- Current doubling rate is **8 days**
- Mean doubling rate, i.e number of cases doubles every **3 days**.
- Median doubling rate, i.e number of cases doubles every **3 days**.
- Latest Observed Growth Rate **9.1331816**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

India Corona Dashboard

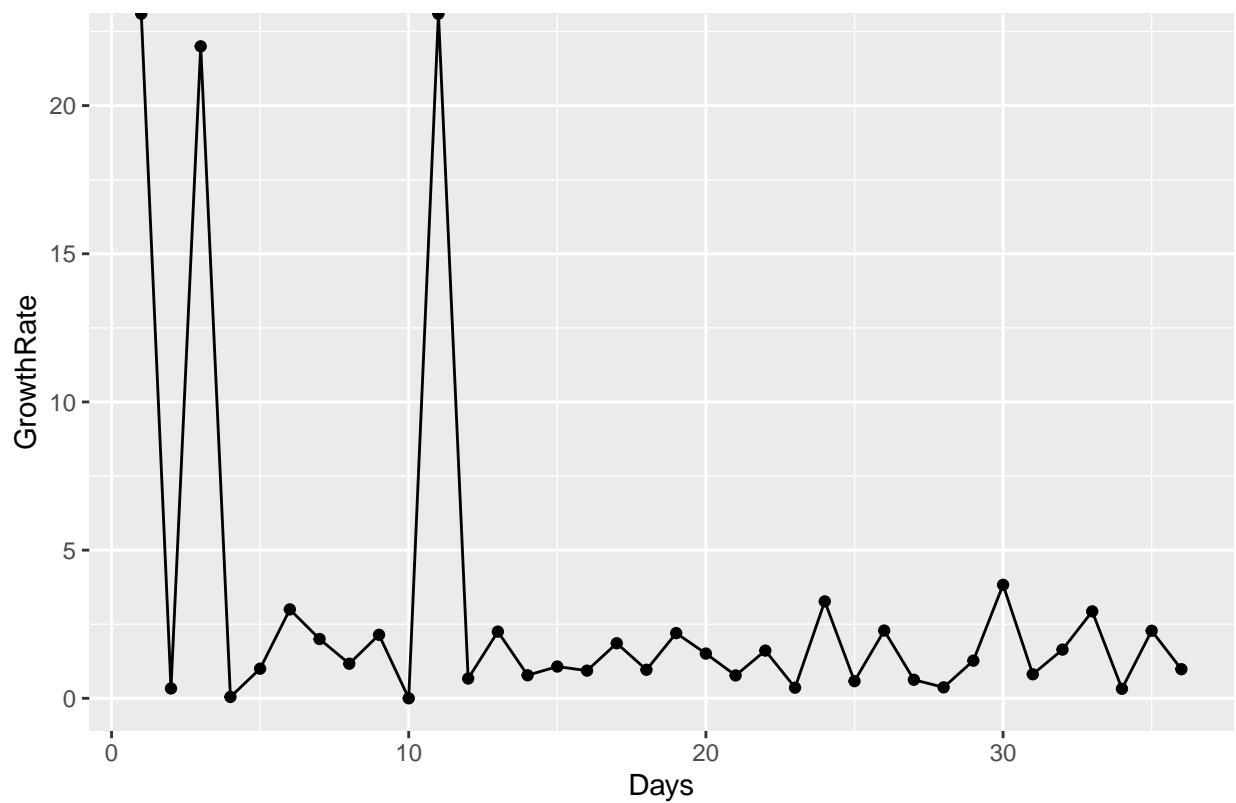
India: Daily Cases



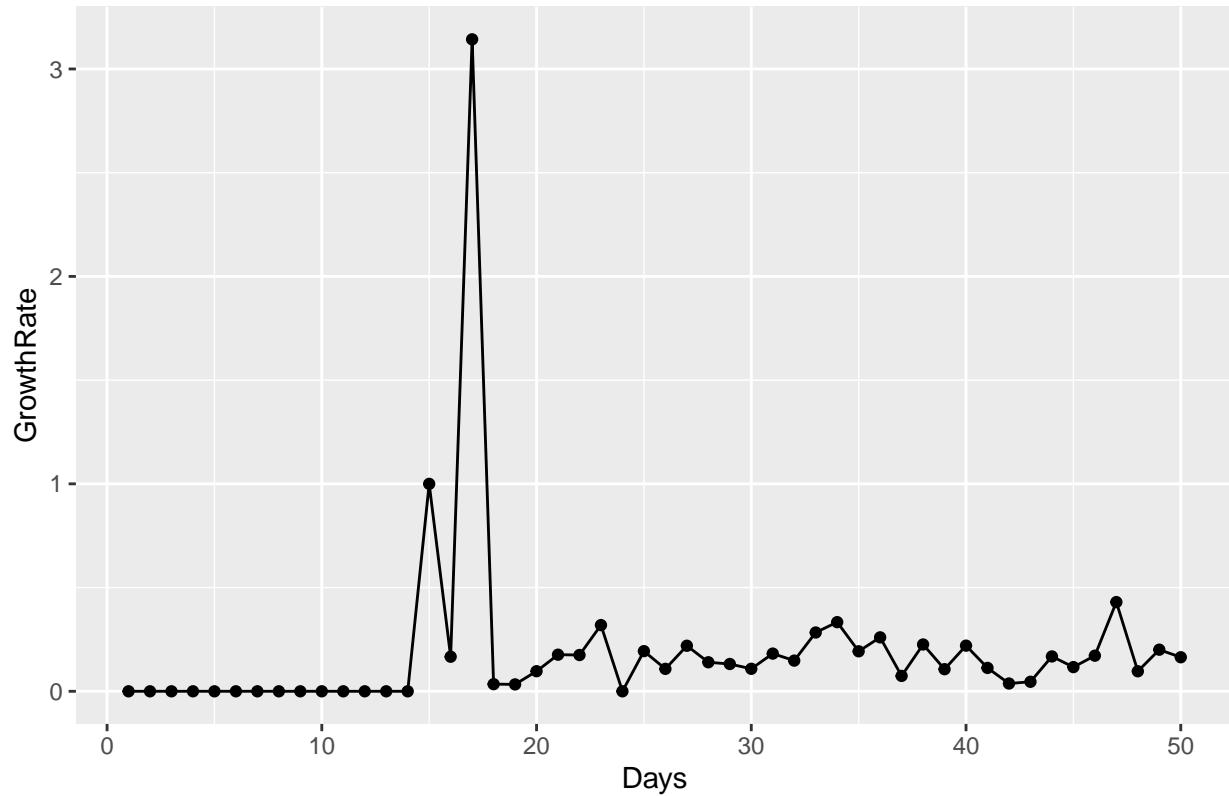
India: Daily Cases



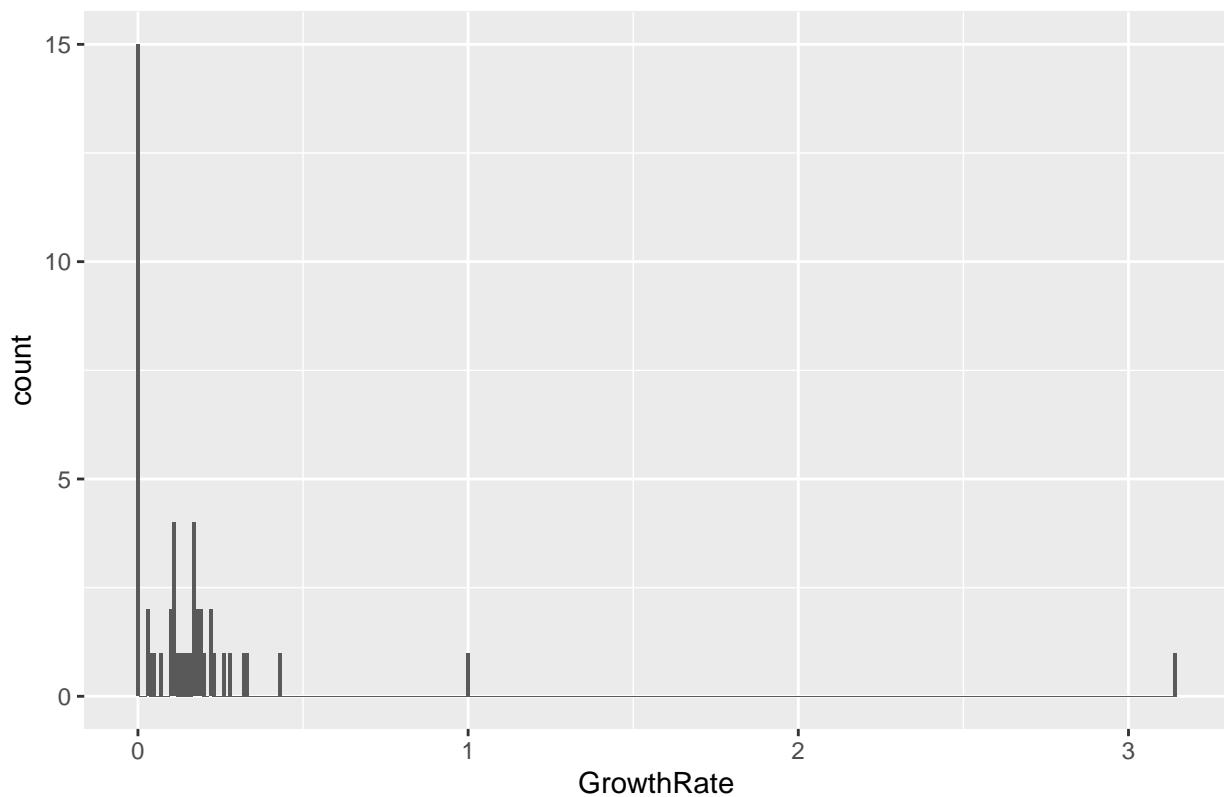
US: Rate of change in Growth Rate



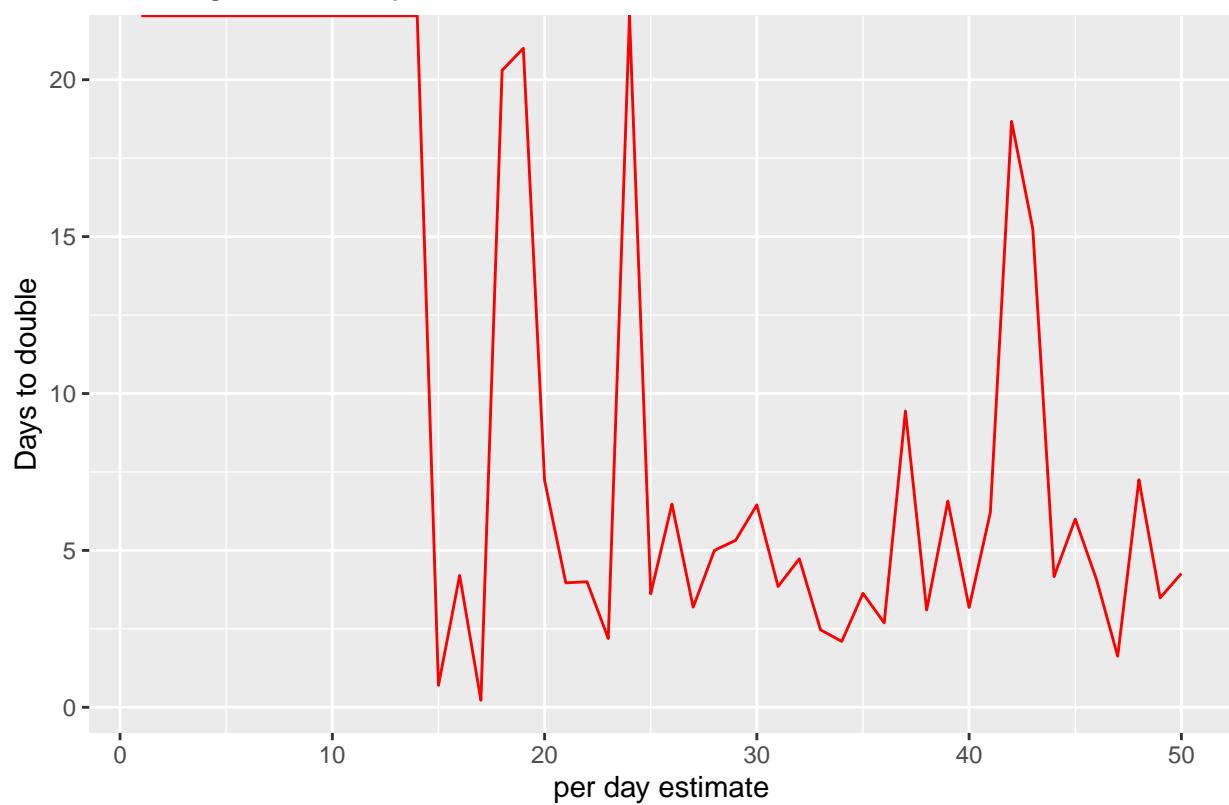
India: Growth Rate



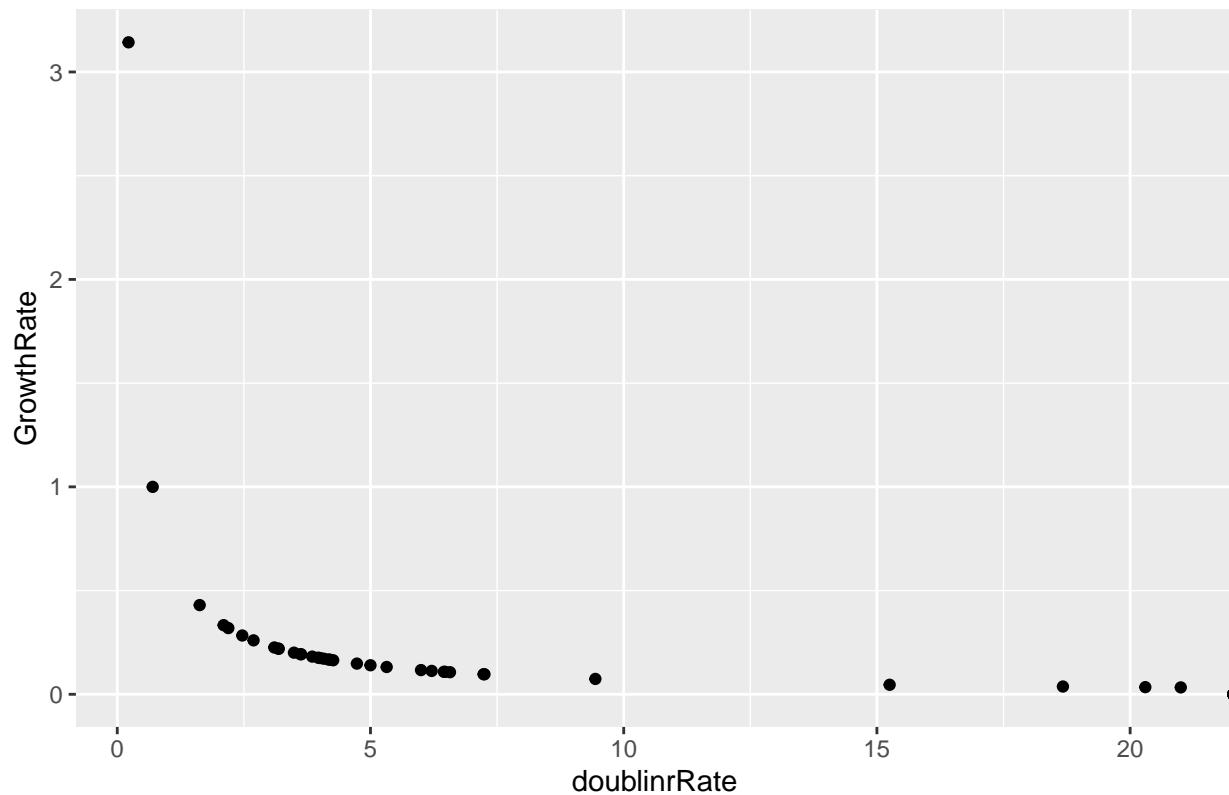
Histogram of GrowthRate



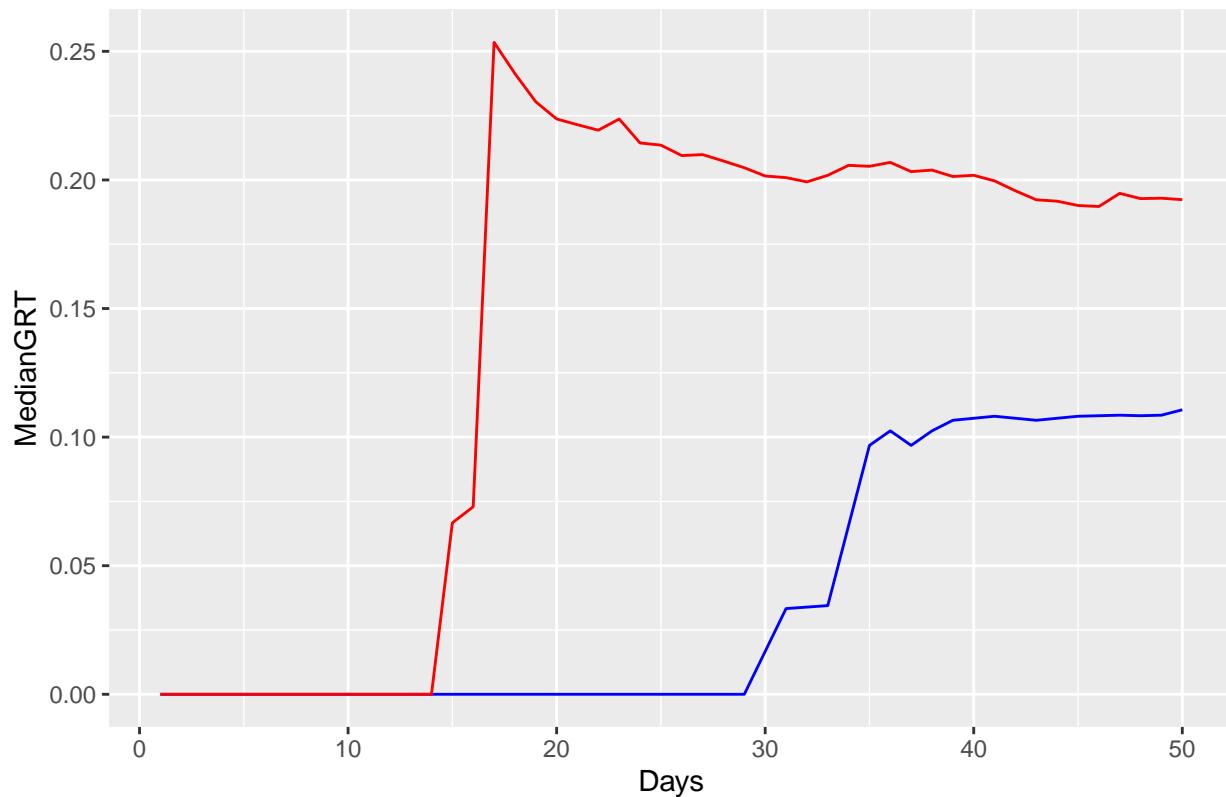
Doubling Rate in days



Doubling Rate vs Growth Rate



India Median(BLUE)VsMean(RED) Growth Rate



Results:

- Tomorrows 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**.