

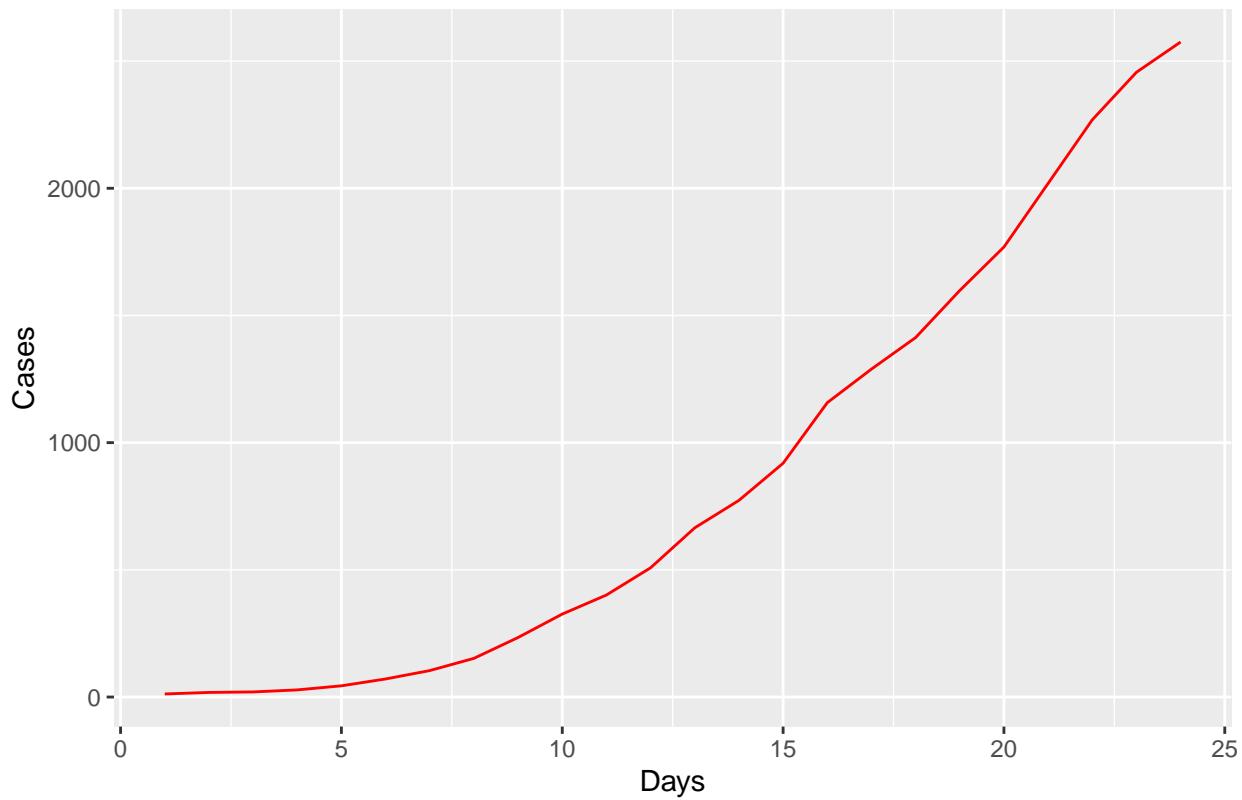
Arizona/US/India Corona Trends- 7th April 2020 with tomorrow's prediction

Whitchurch Muthumani

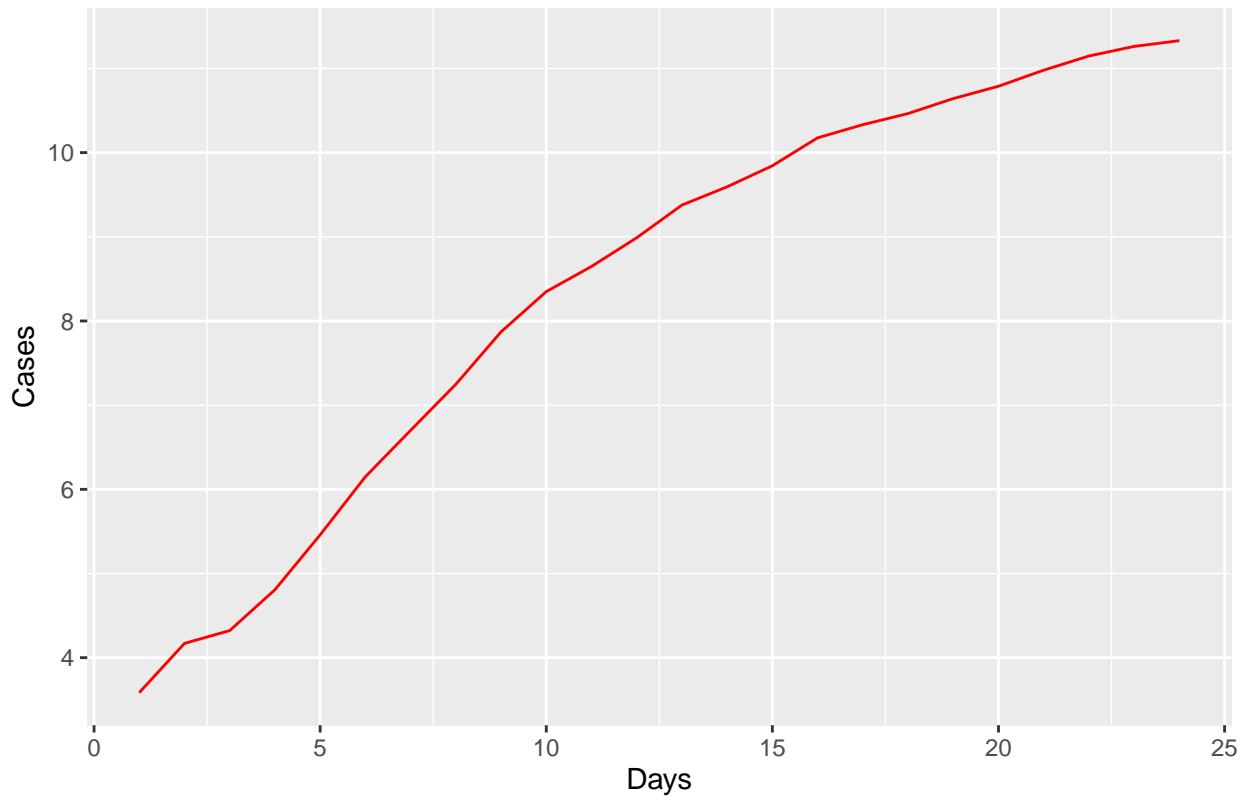
4/7/2020

Arizona Corona Dashboard

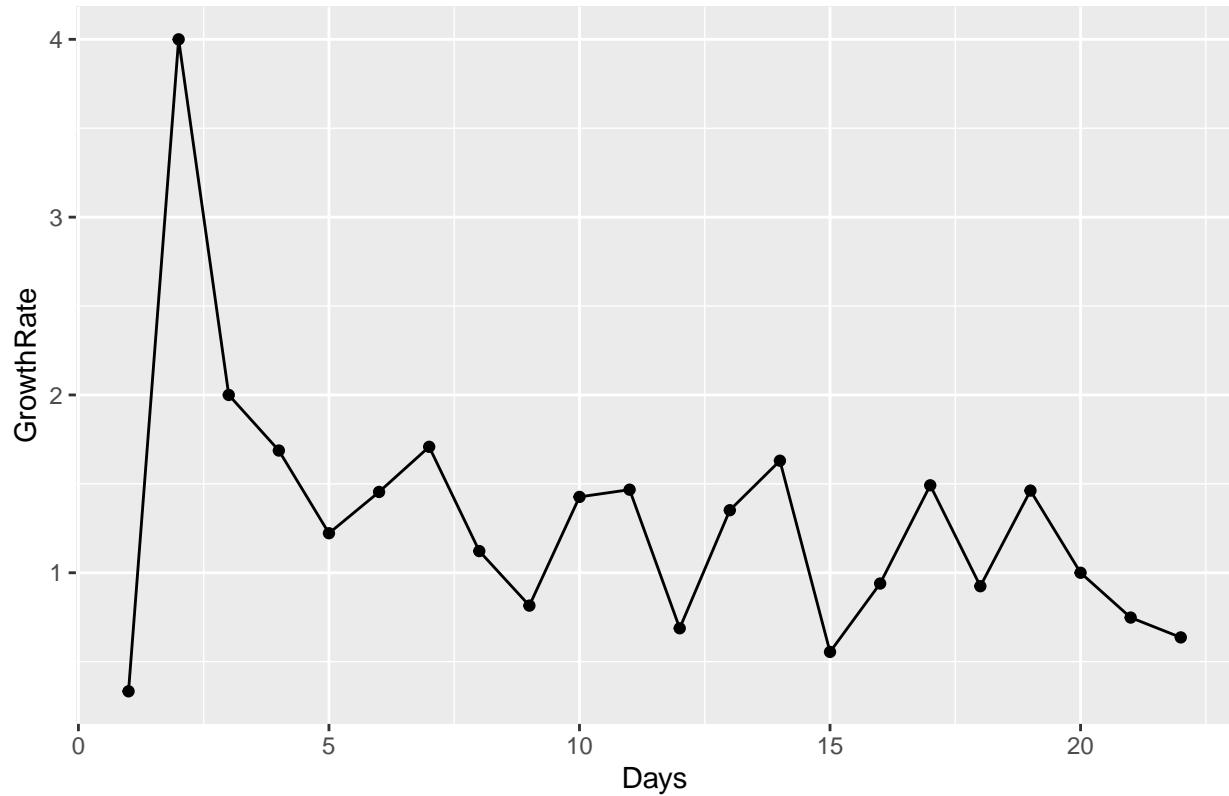
Arizona: Daily Cases



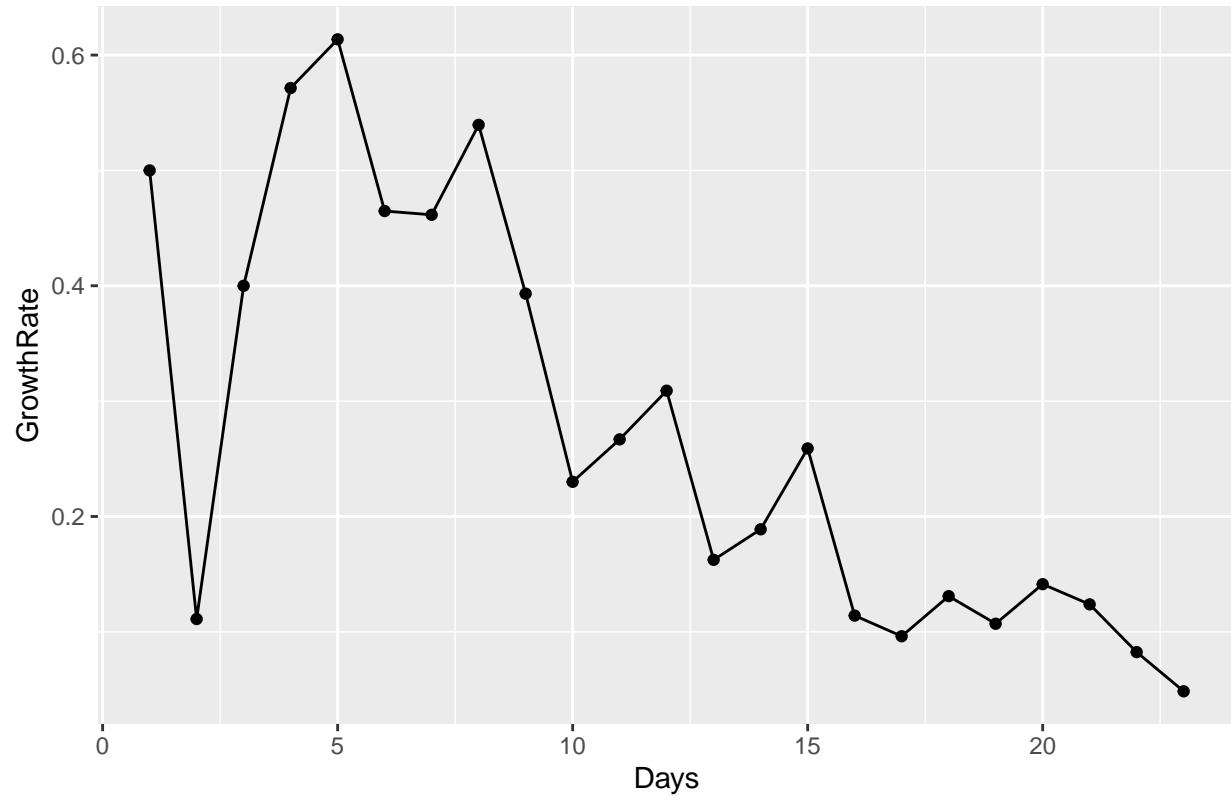
Arizona: Daily Cases



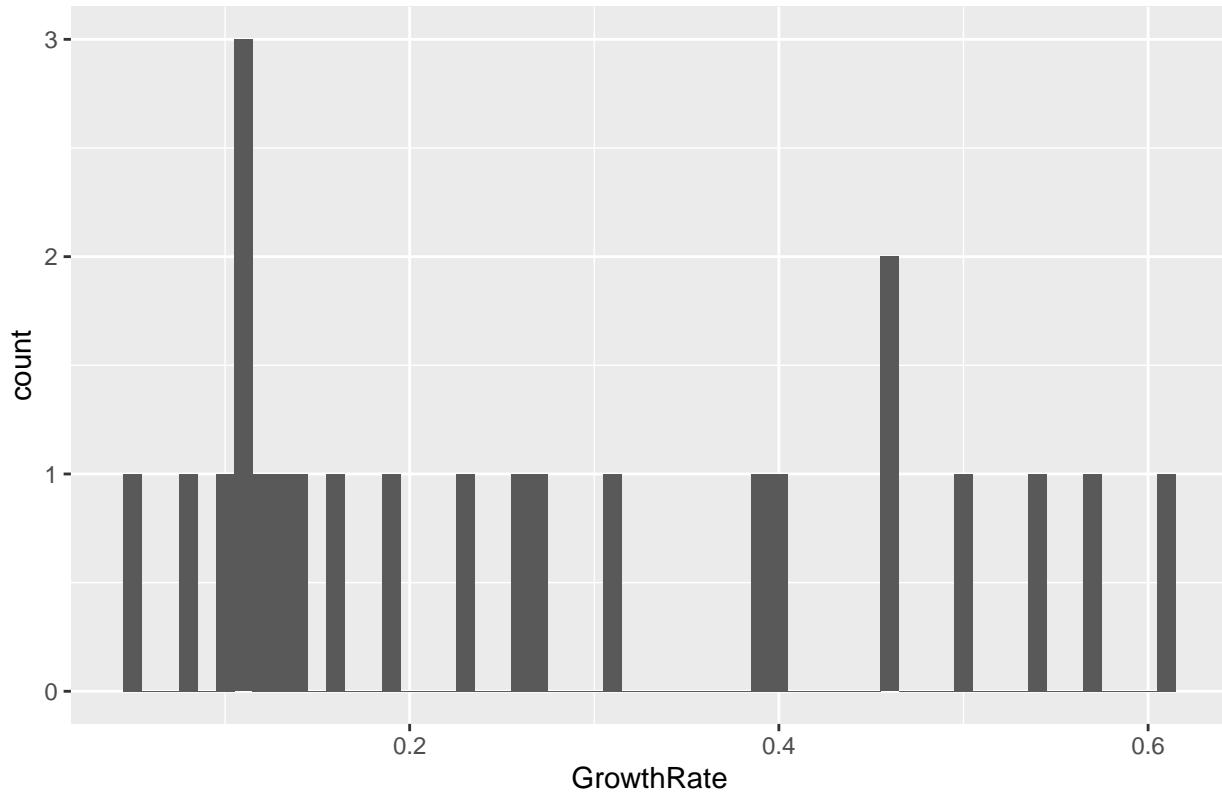
Arizona: Rate of change in Growth Rate



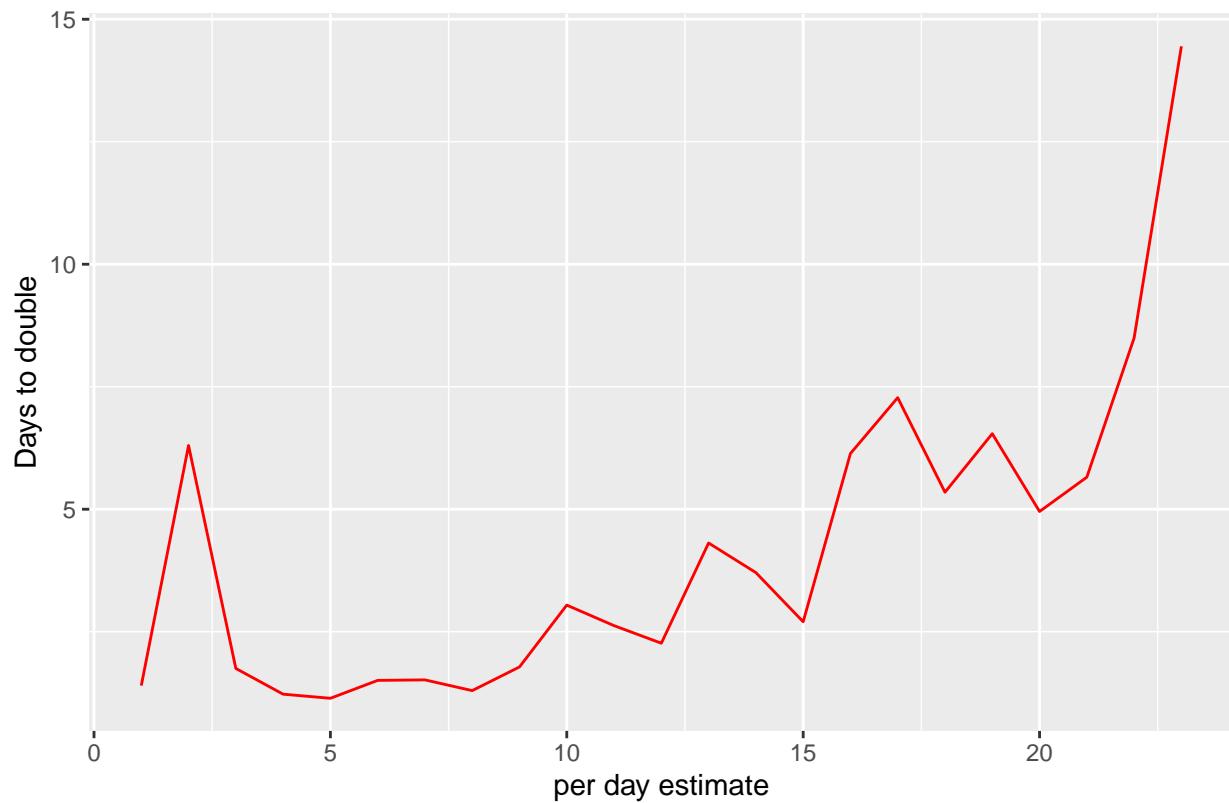
Arizona: Growth Rate



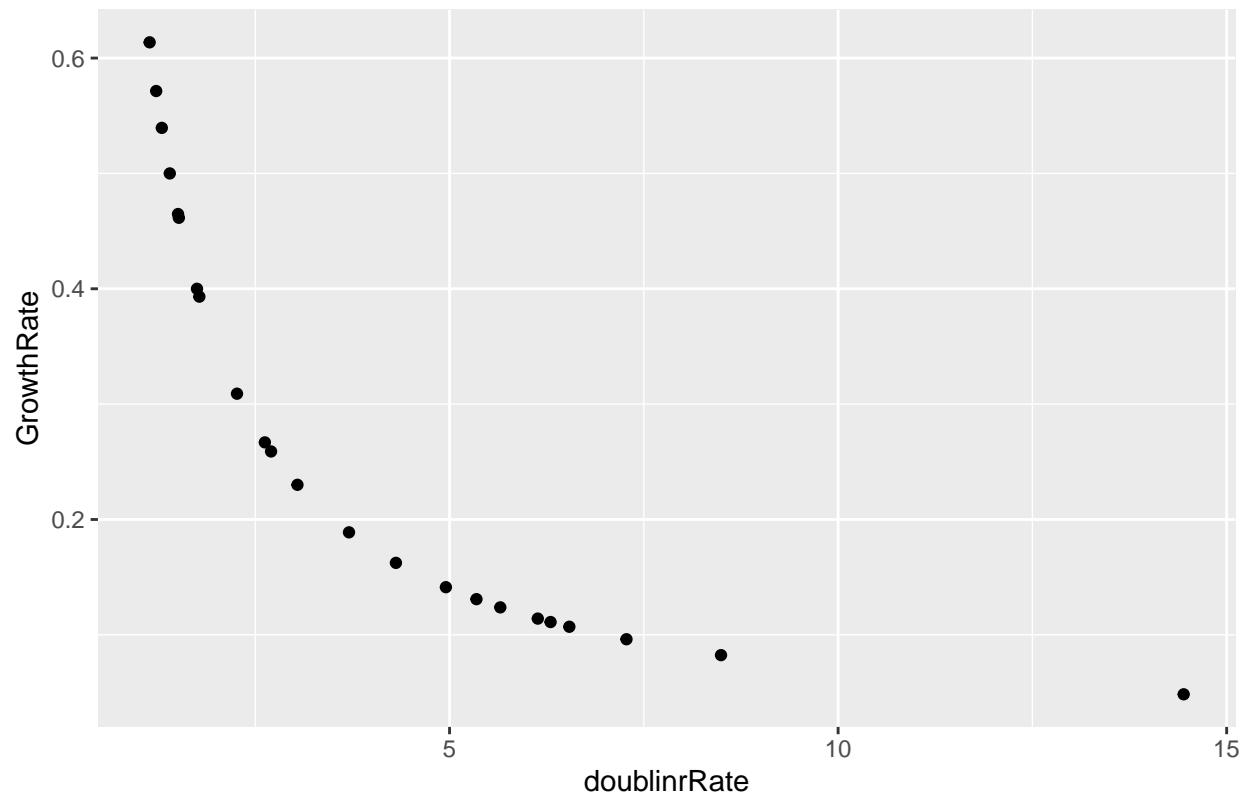
Histogram of GrowthRate



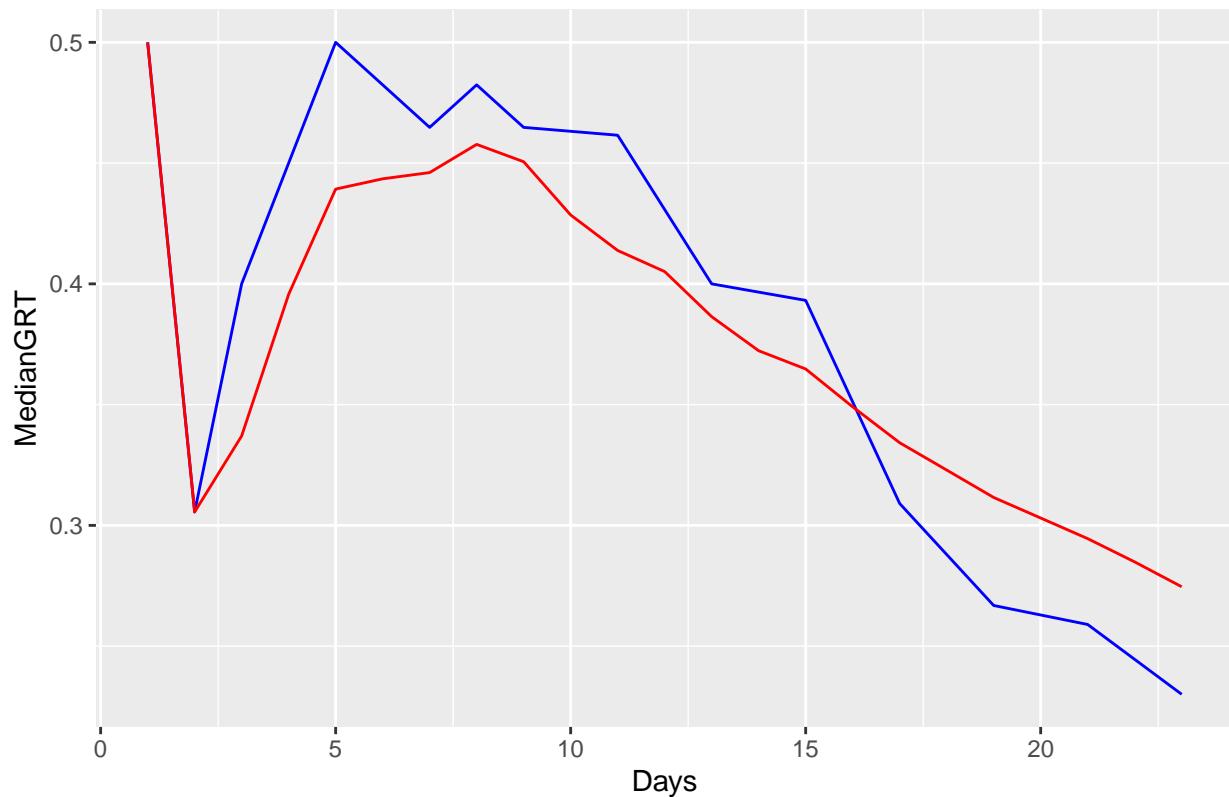
Doubling Rate in days



Doubling Rate vs Growth Rate



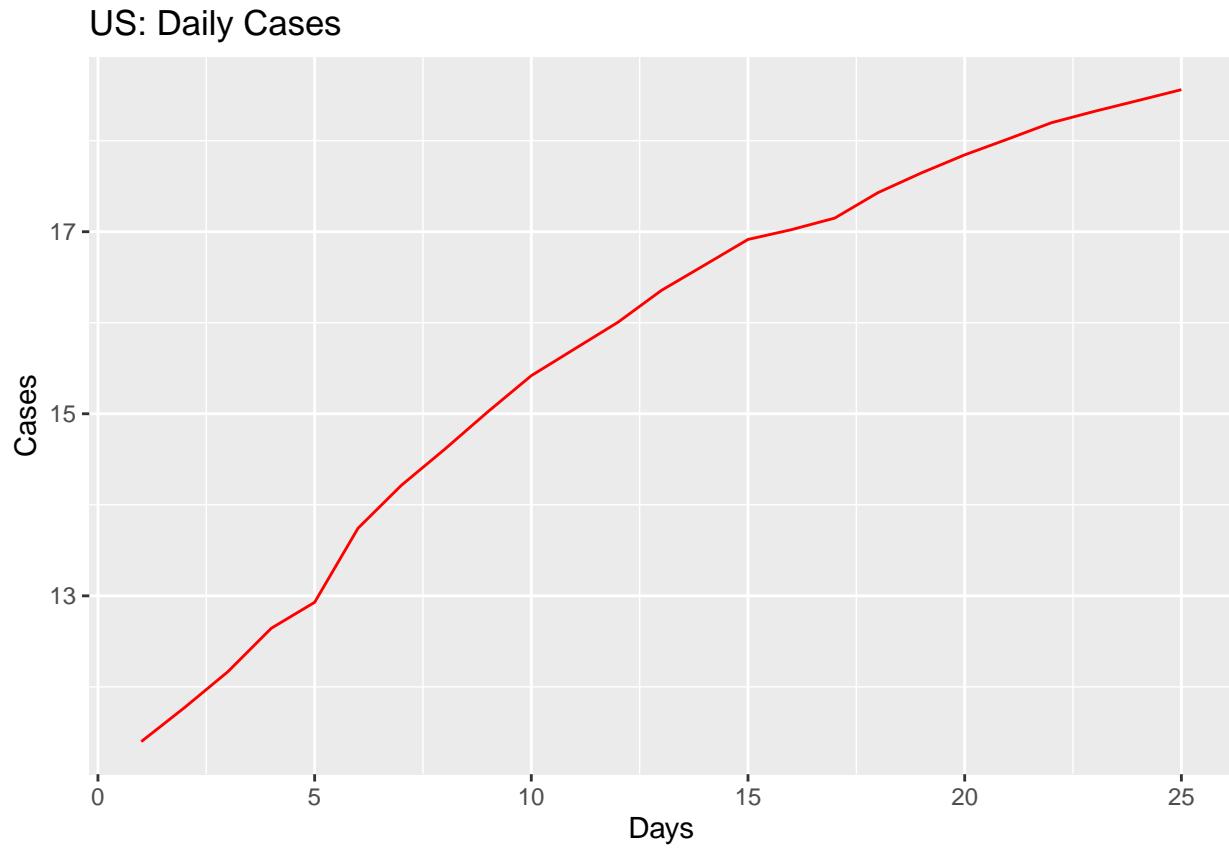
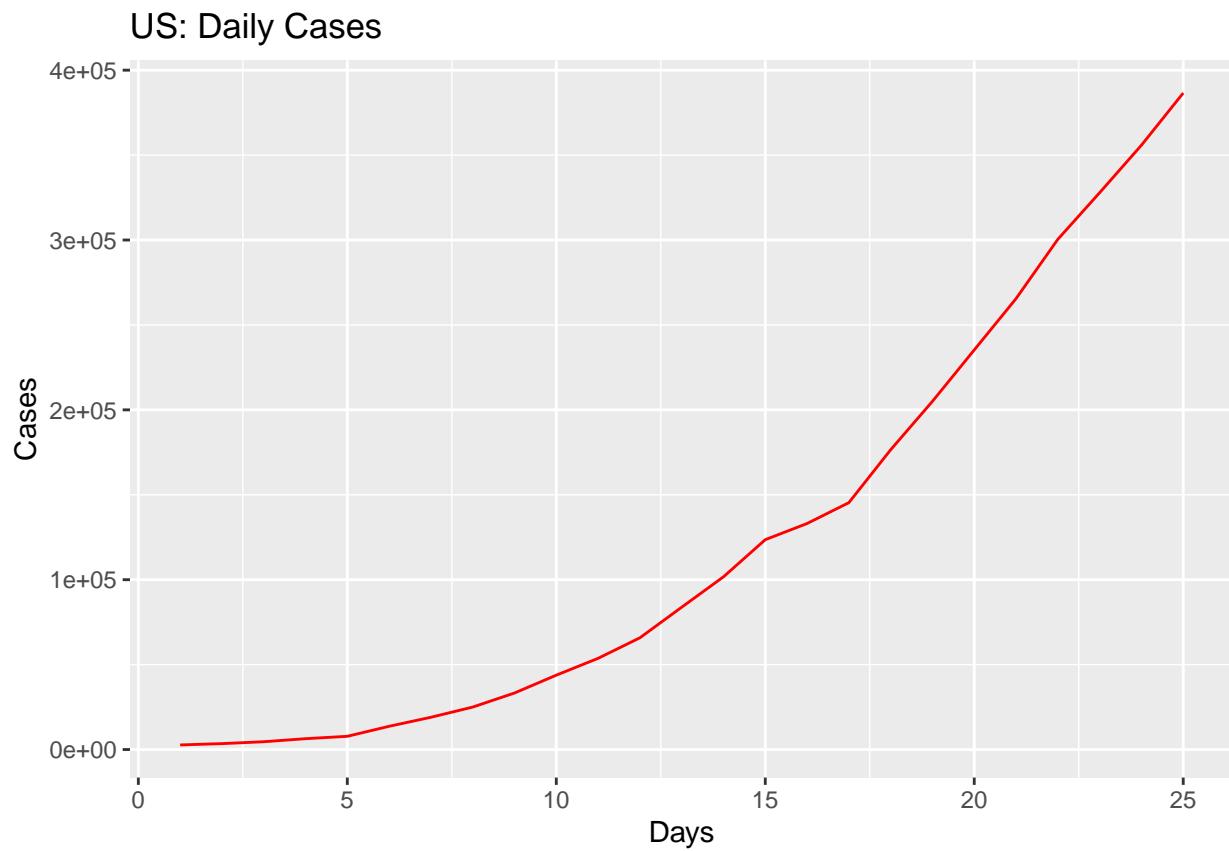
Arizona Median(BLUE)VsMean(RED) Growth Rate



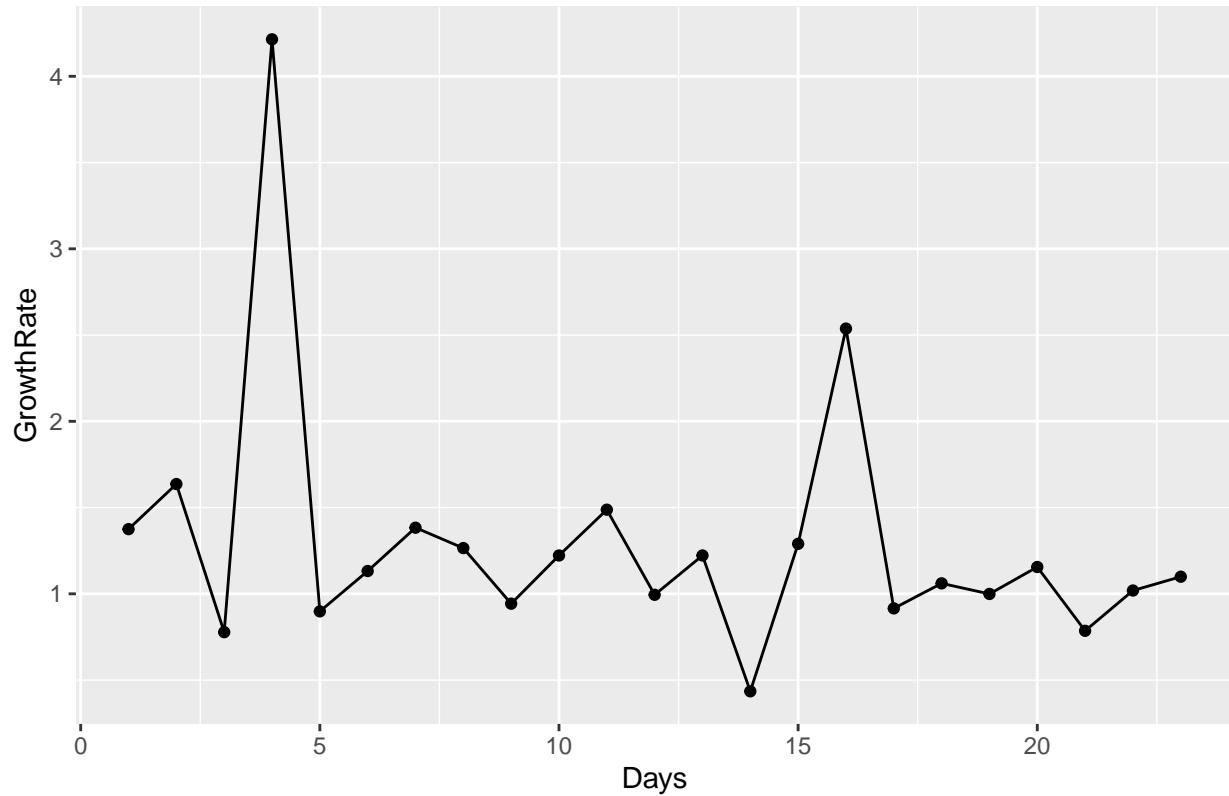
Results:

- Tomorrows predicted case number is between **2699.7658795** and **3282.0707499** cases.
- Current doubling rate is **14 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 **4.8452769** percent.
- Mean Growth Rate: **27.4590582** percent.
- Median Growth Rate: **23.006135** percent.
- Standard deviation: +/- **17.9639788**.

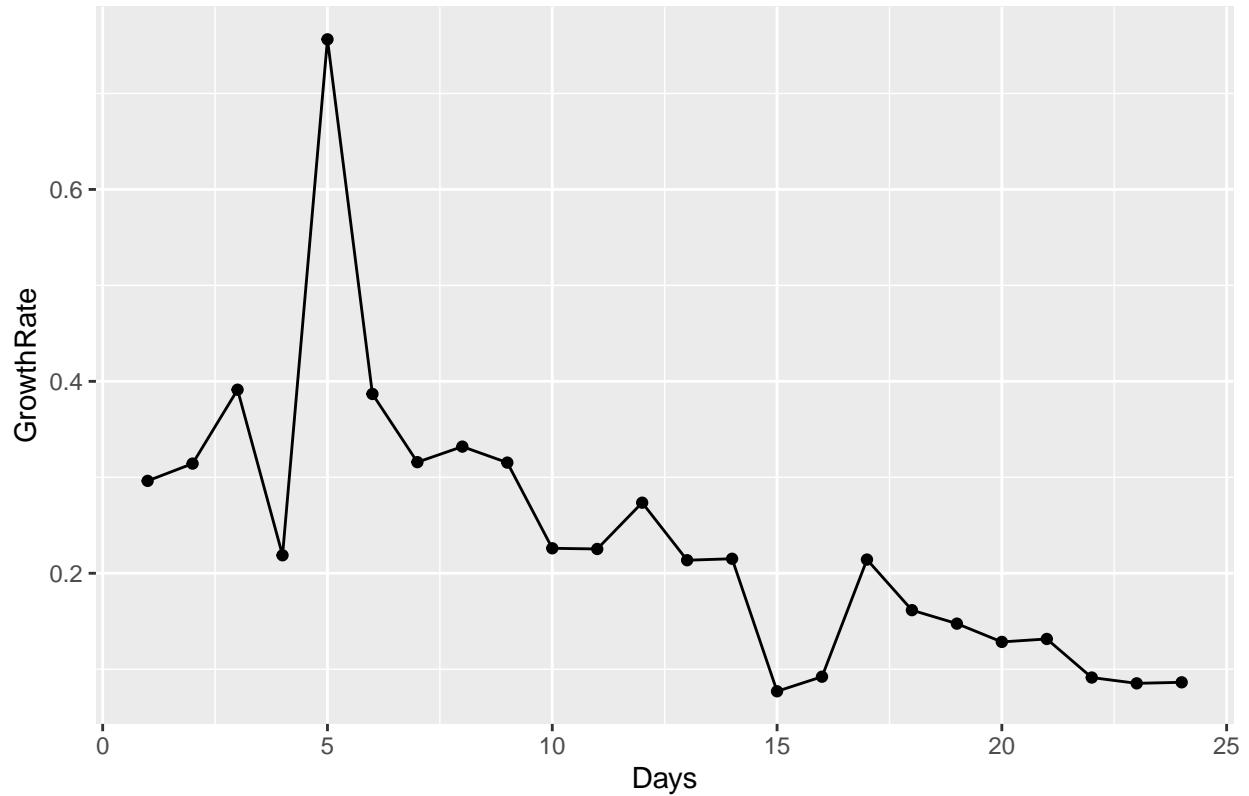
US Corona Dashboard



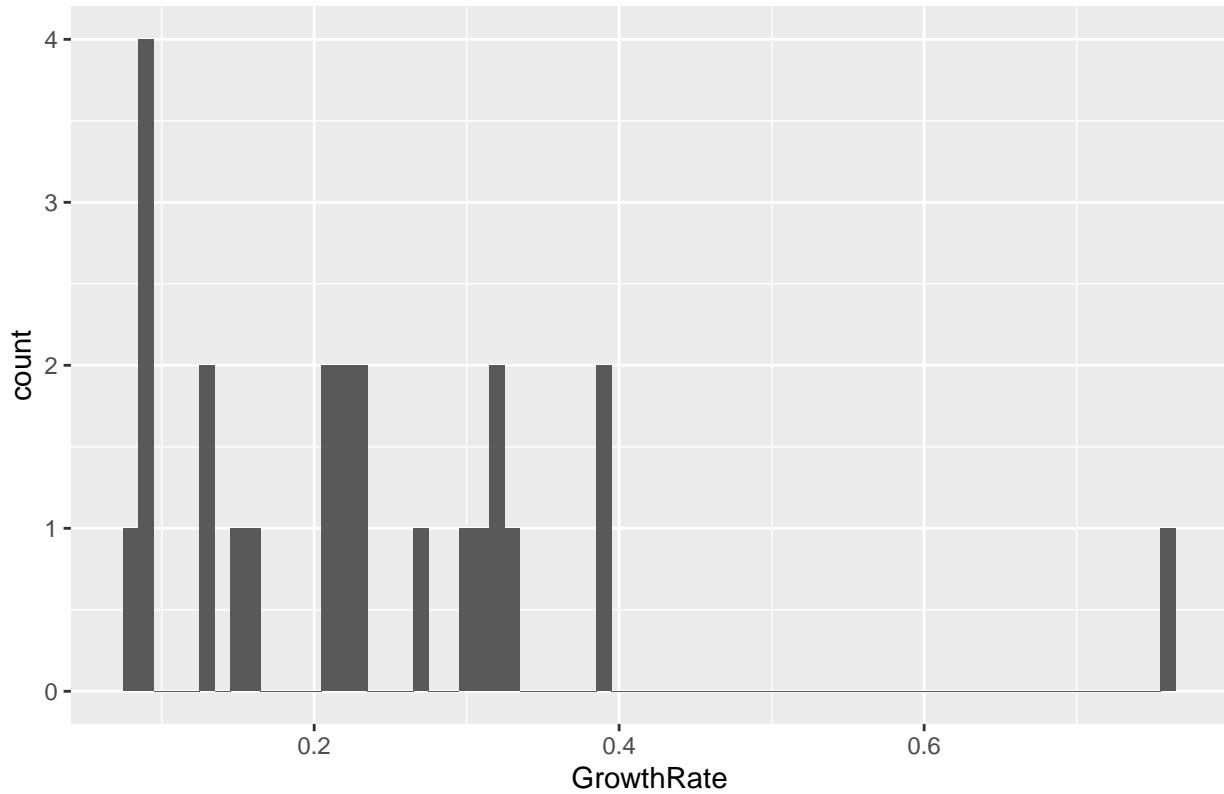
US: Rate of change in Growth Rate



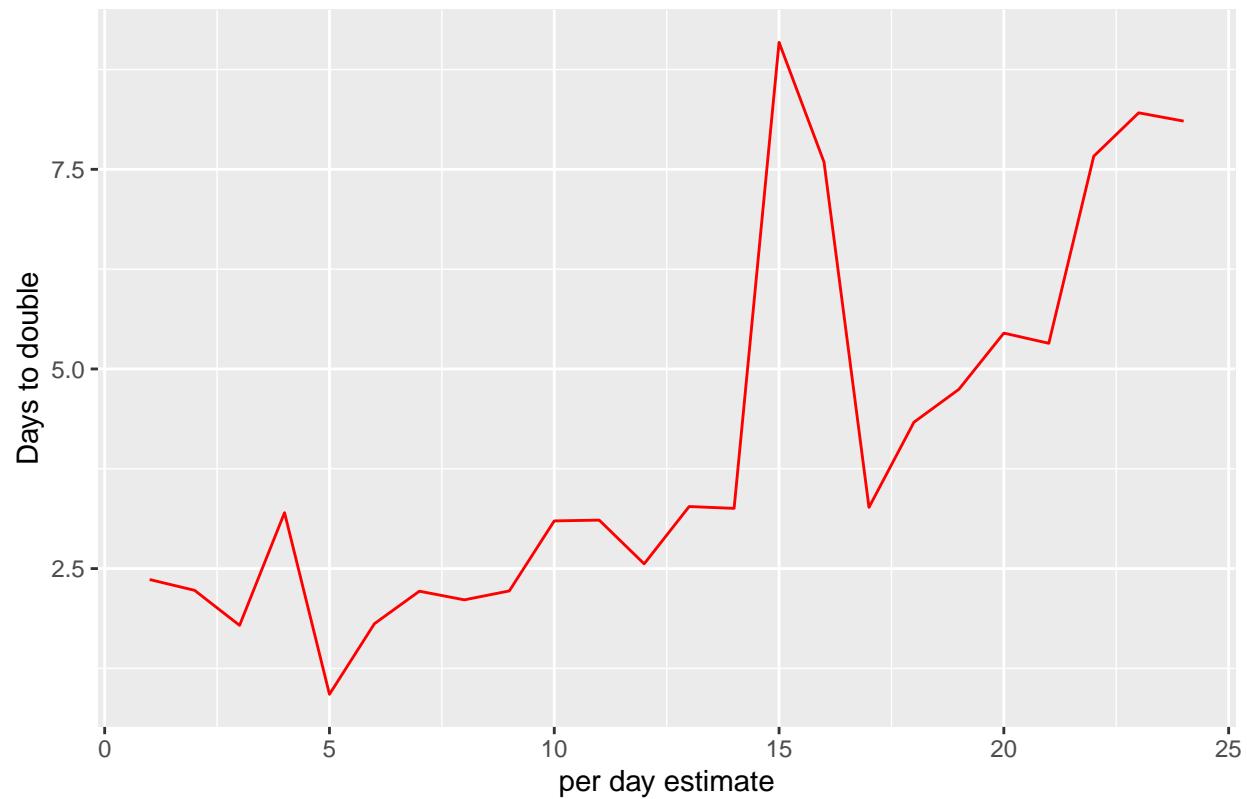
US: Growth Rate



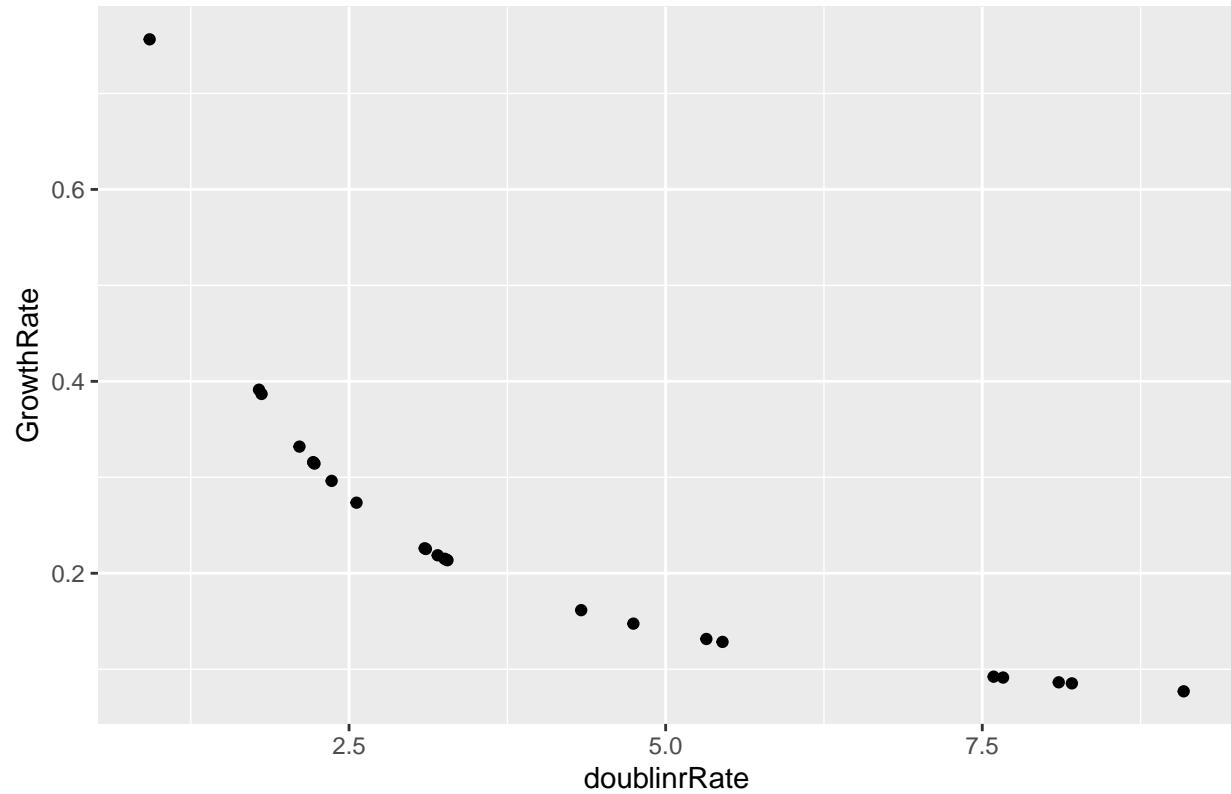
Histogram of GrowthRate



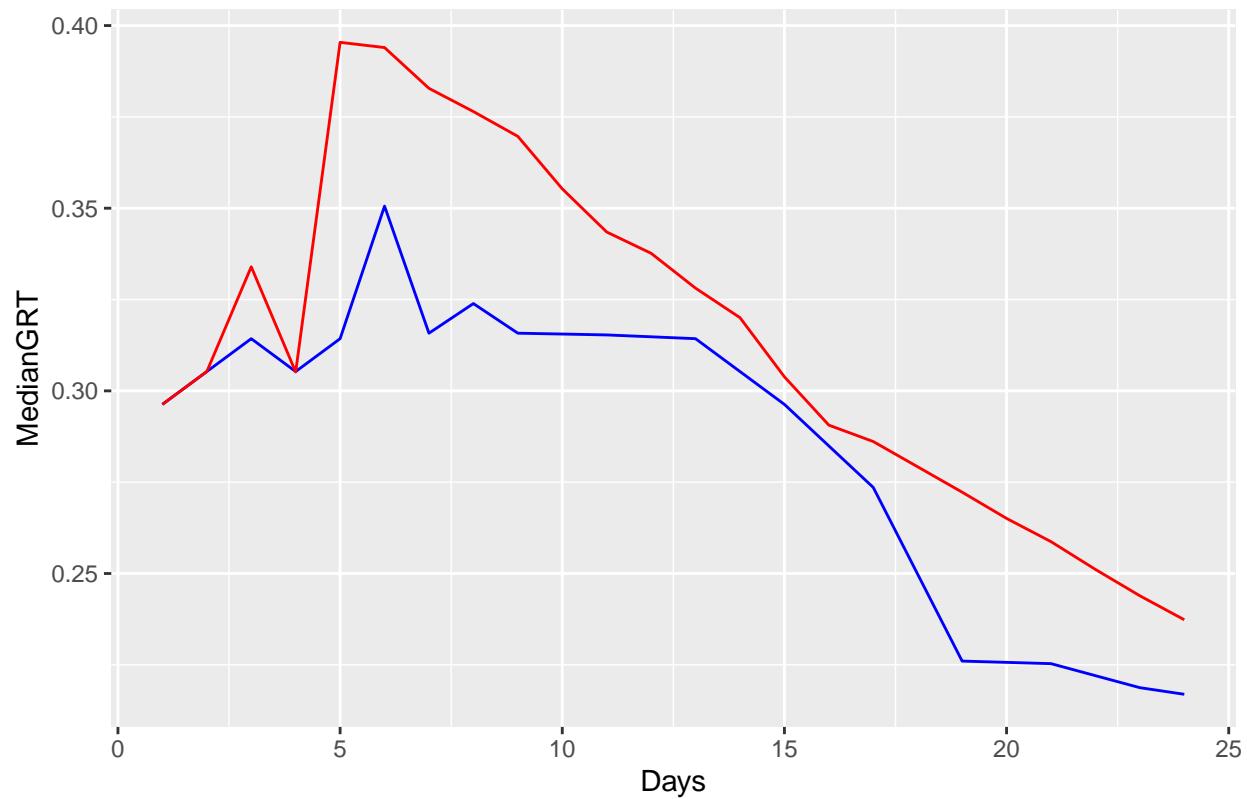
Doubling Rate in days



Doubling Rate vs Growth Rate



US Median(BLUE)VsMean(RED) Growth Rate

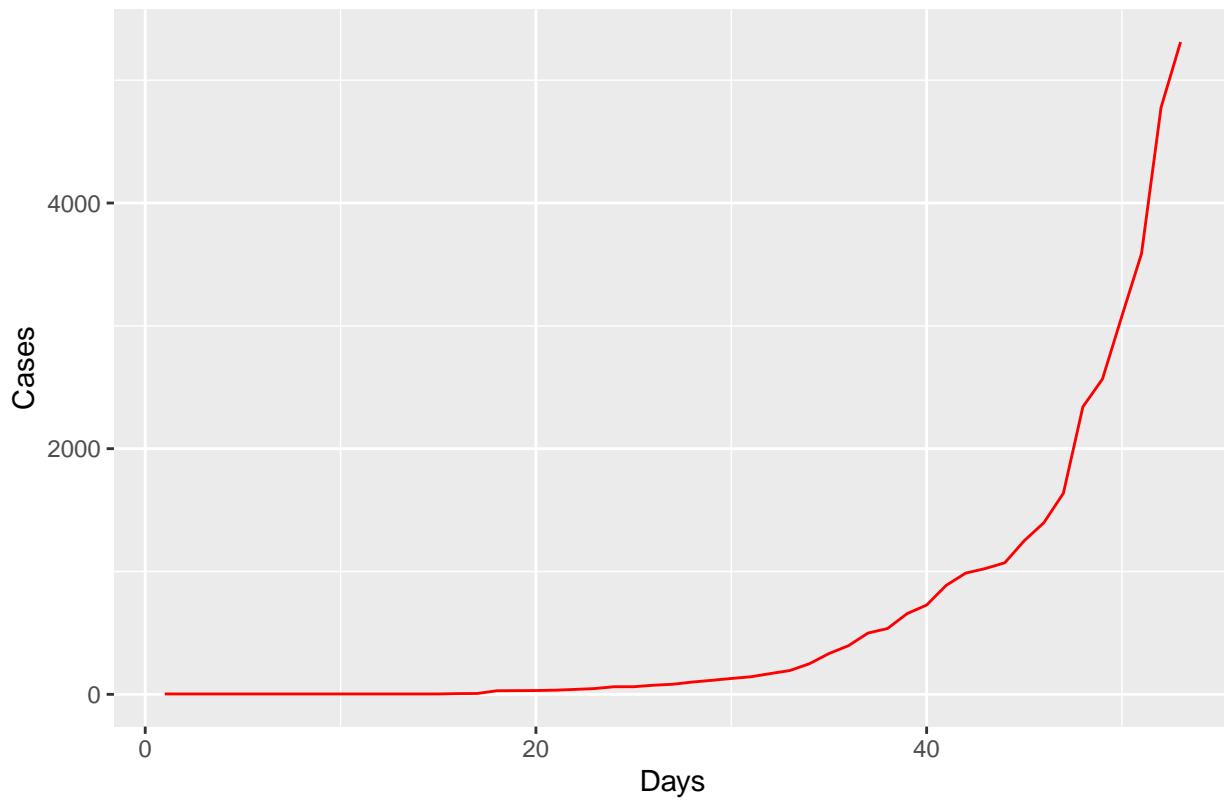


Results:

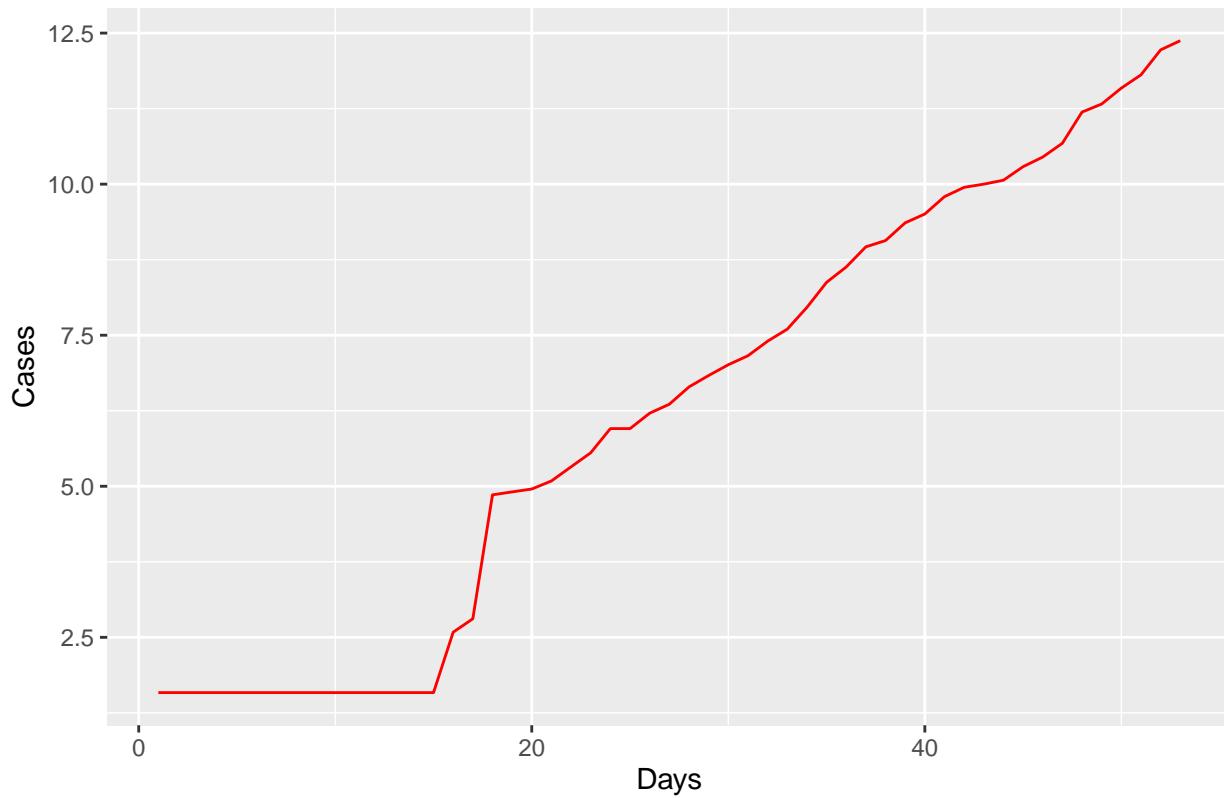
- Tomorrows predicted case number is between 4.1996307×10^5 and 4.7832093×10^5 cases.
- Current doubling rate is **8 days**
- Mean doubling rate, i.e number of cases doubles every **3 days**.
- Median doubling rate, i.e number of cases doubles every **3 days**.
- Latest Observed Growth Rate **8.6380166** percent.
- Mean Growth Rate: **23.7343027** percent.
- Median Growth Rate: **21.6936455** percent.
- Standard deviation: +/- **14.7509296**.

India Corona Dashboard

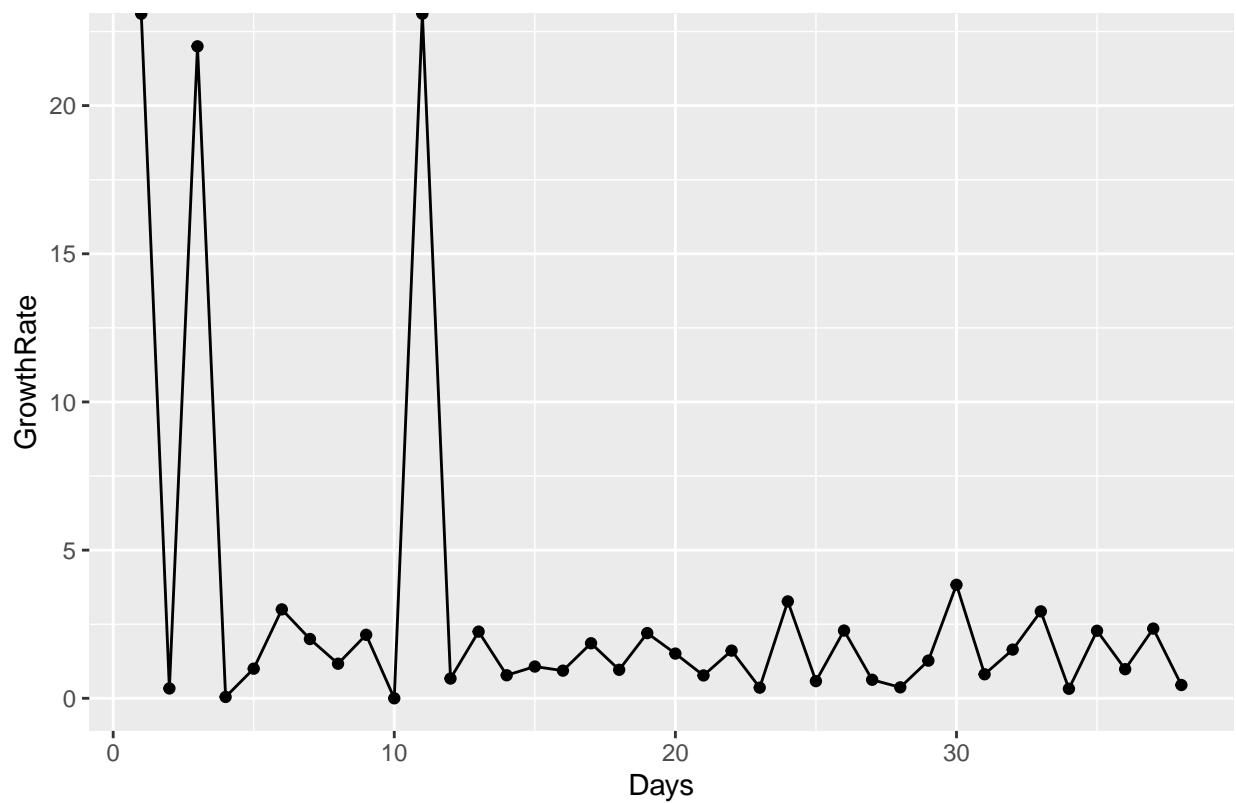
India: Daily Cases



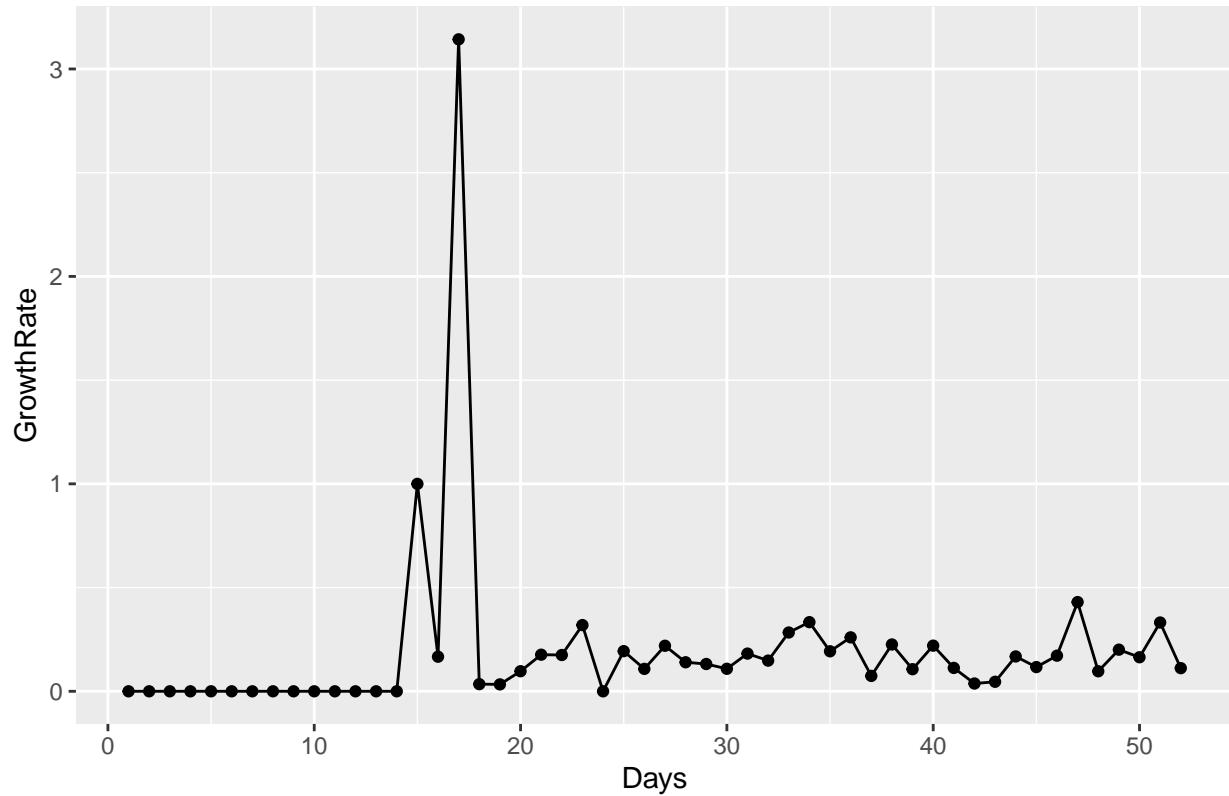
India: Daily Cases



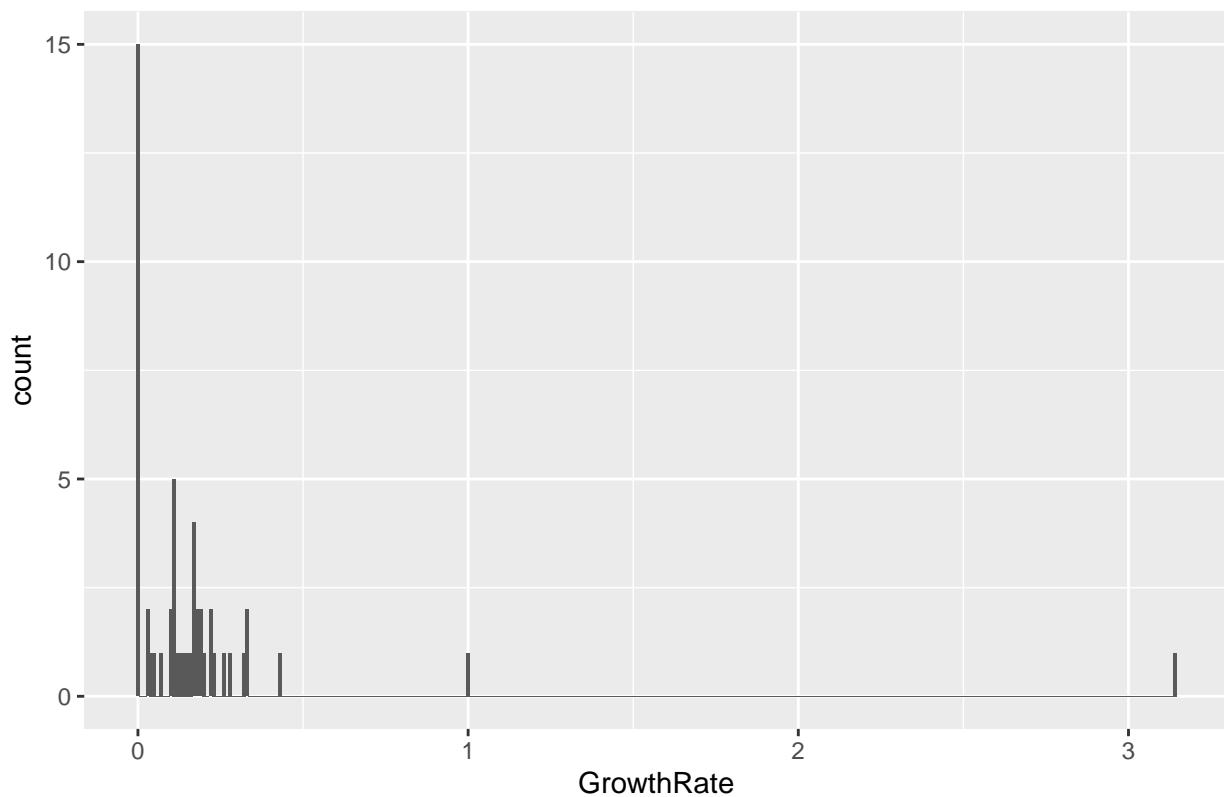
US: Rate of change in Growth Rate



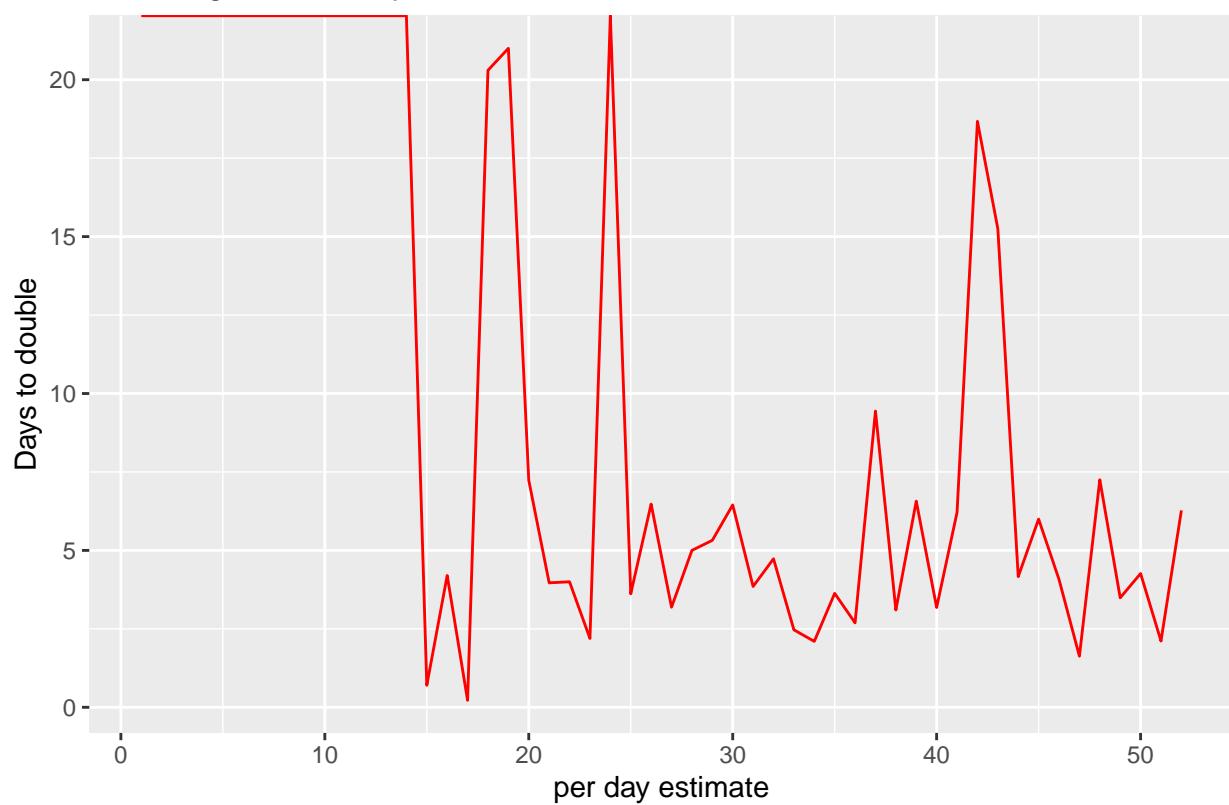
India: Growth Rate



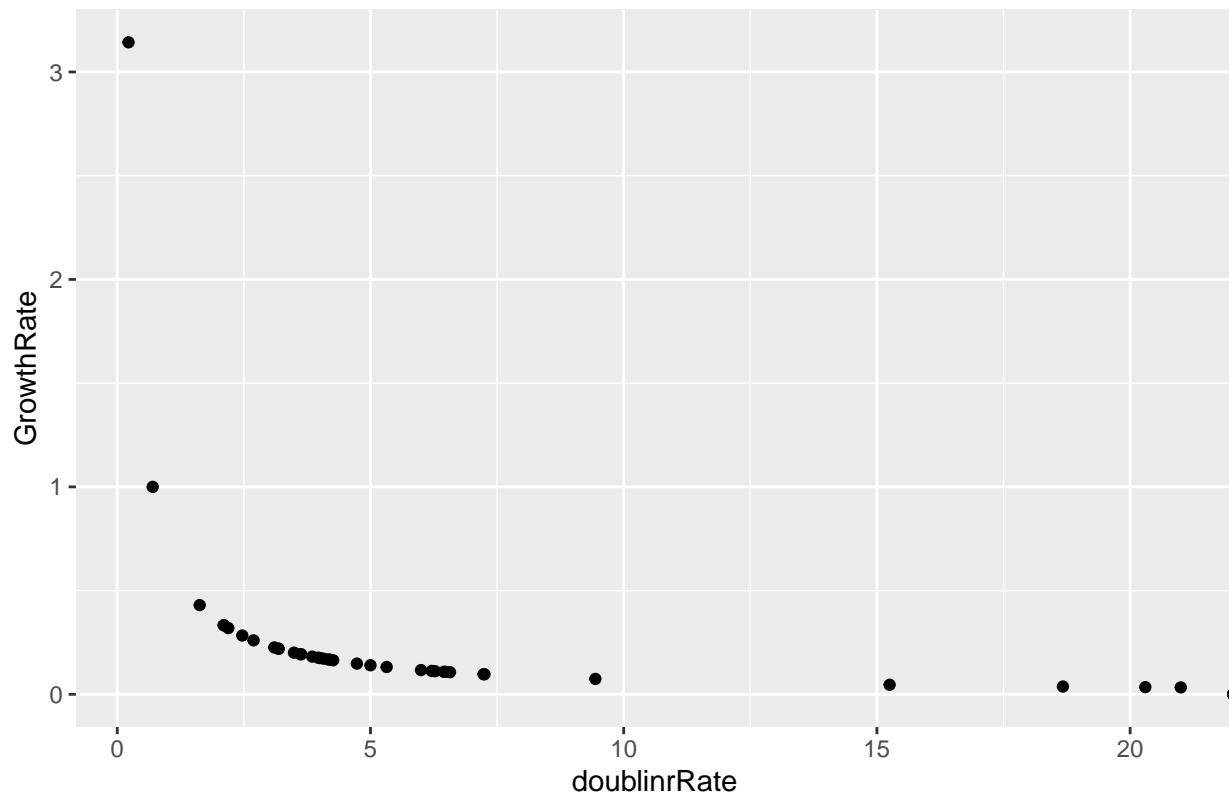
Histogram of GrowthRate



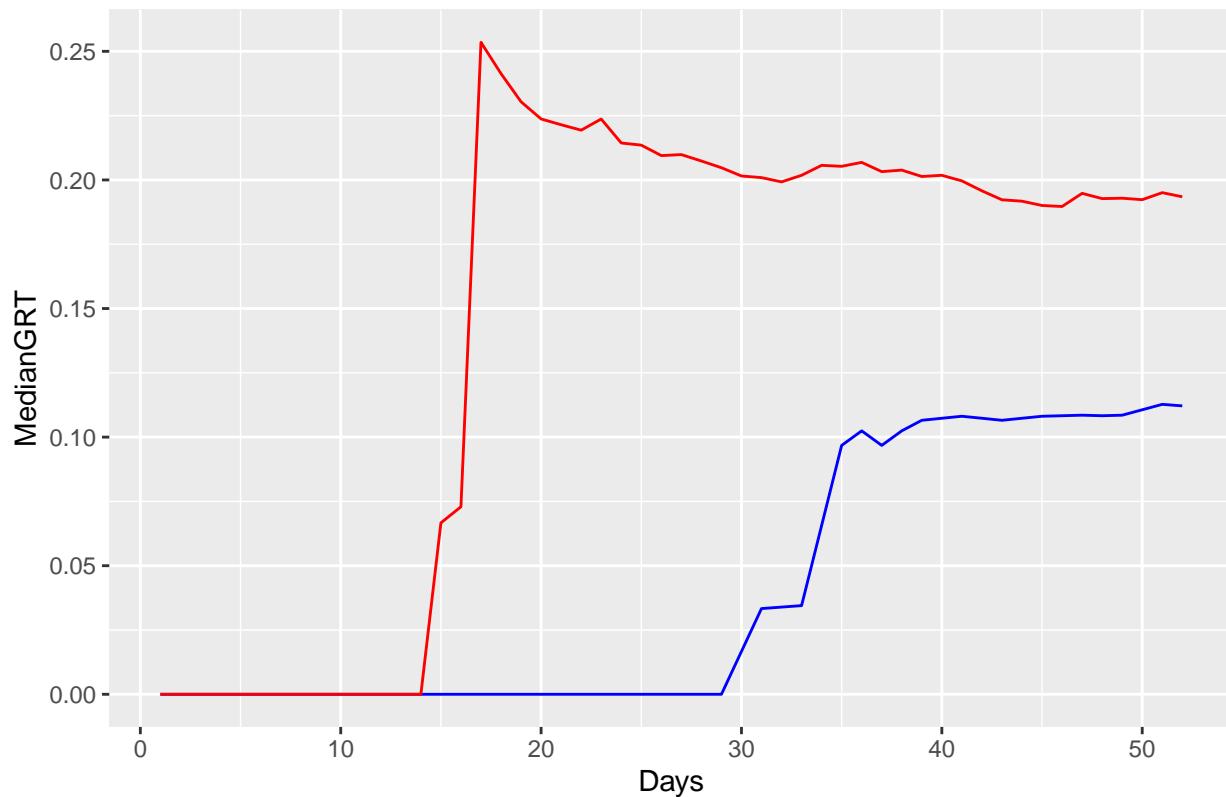
Doubling Rate in days



Doubling Rate vs Growth Rate



India Median(BLUE)VsMean(RED) Growth Rate



Results:

- Tomorrows predicted case number is between **5903.4577229** and **6338.4022688** cases.
- Current doubling rate is **6 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 **11.1552951** percent.
- Mean Growth Rate: **19.3447989** percent.
- Median Growth Rate: **11.2146261** percent.
- Standard deviation: +/- **44.7645207**.