

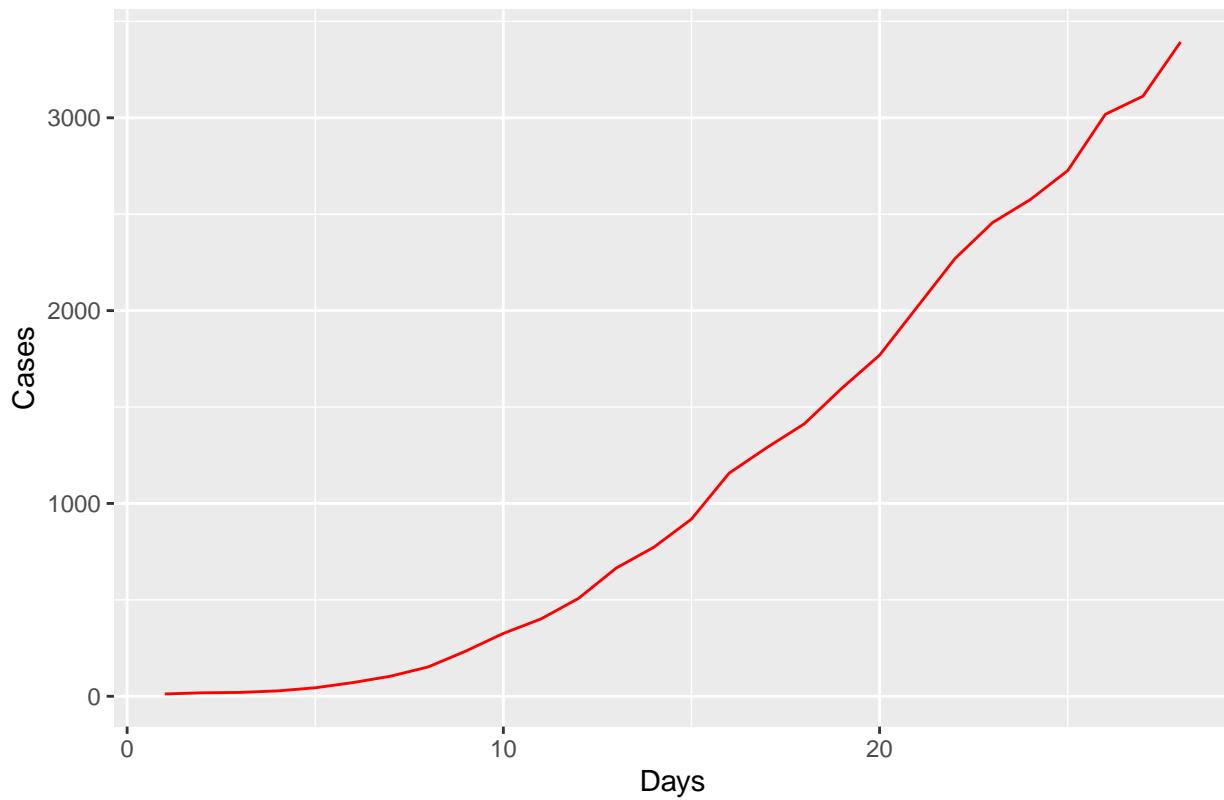
Arizona/US/India Corona Trends- 11th April 2020 with tomorrow's prediction

Whitchurch Muthumani

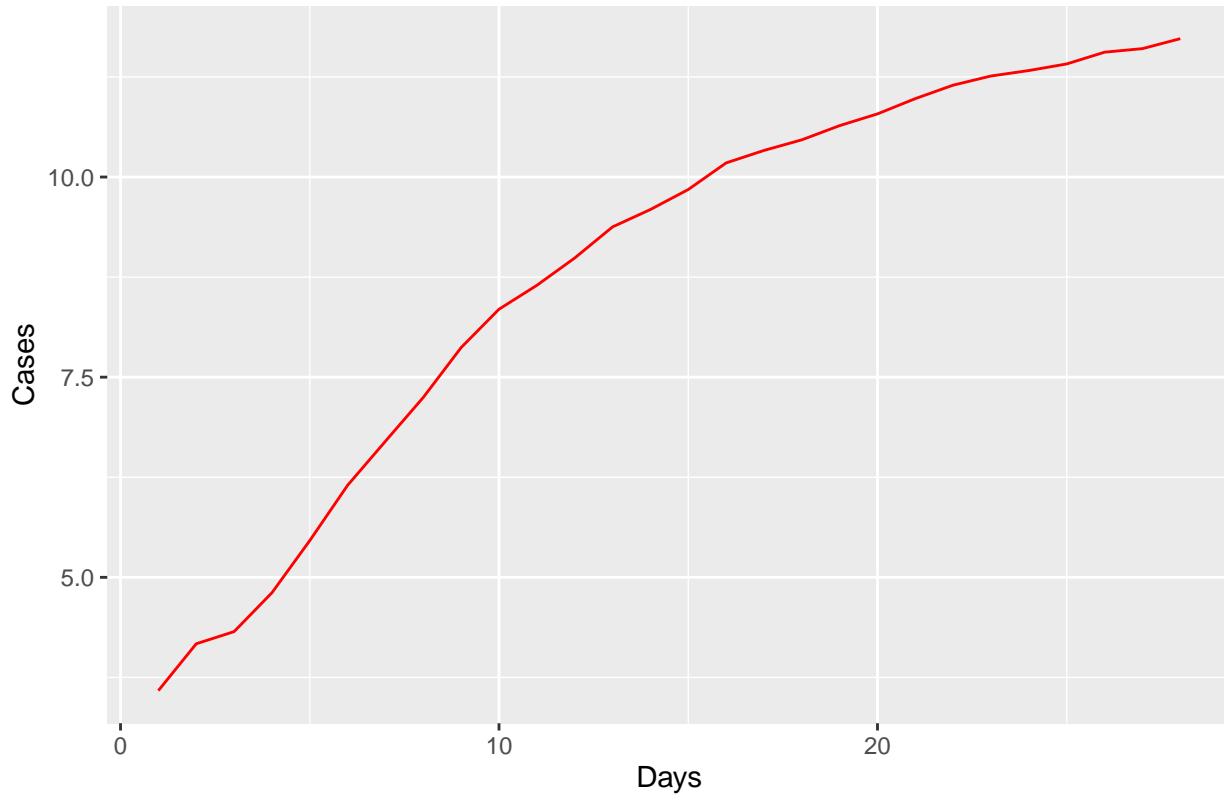
4/11/2020

Arizona Corona Dashboard

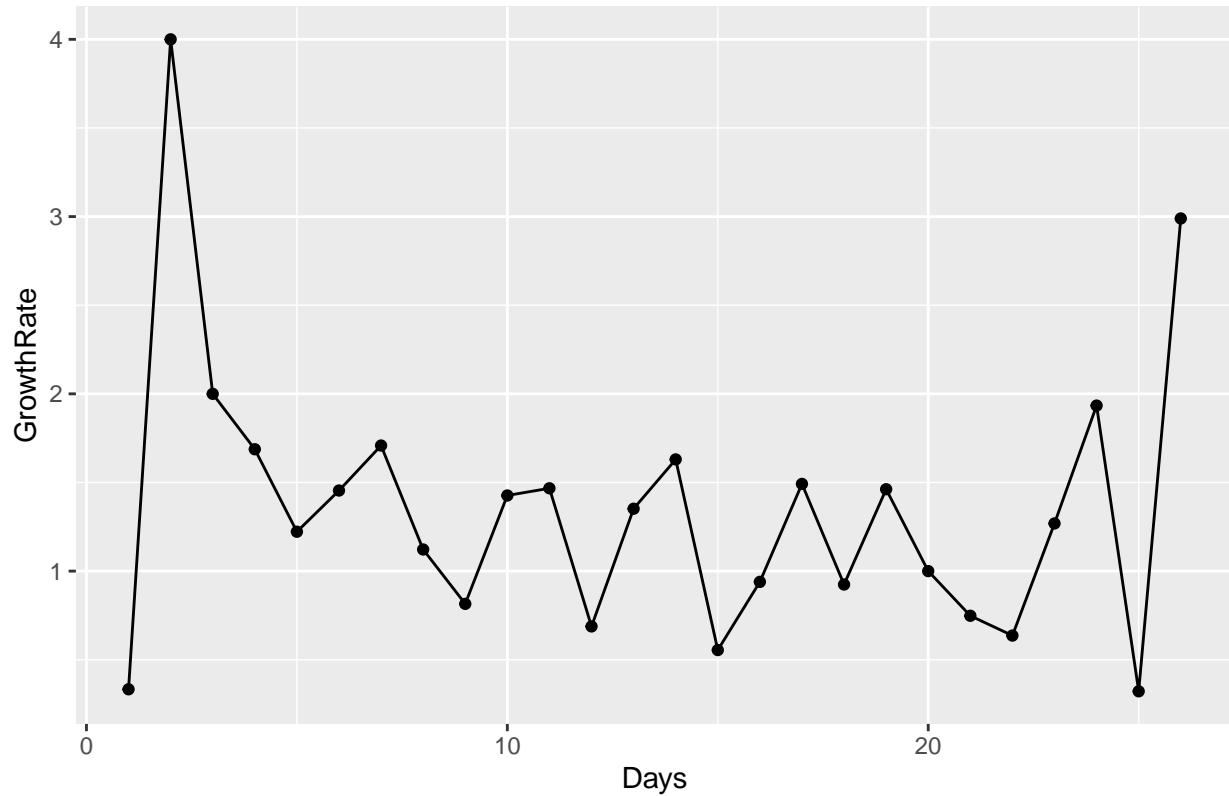
Arizona: Daily Cases



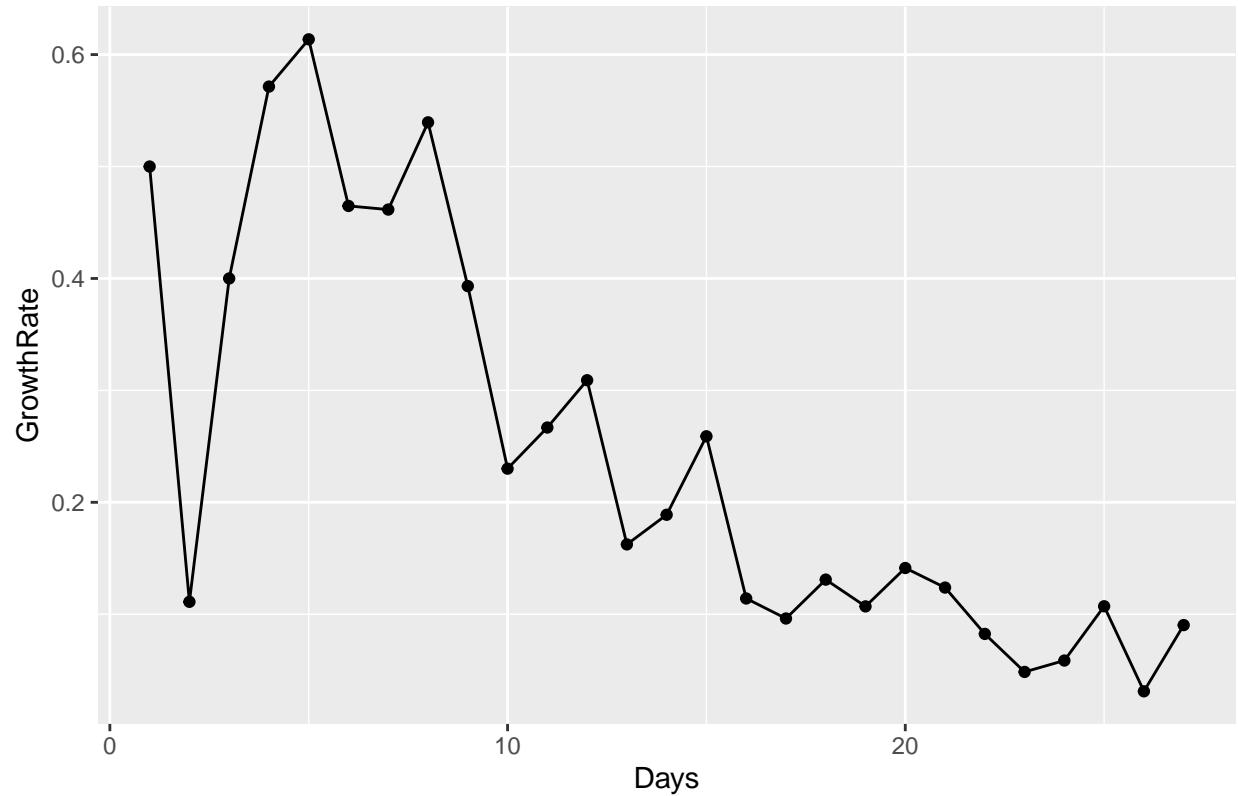
Arizona: Daily Cases



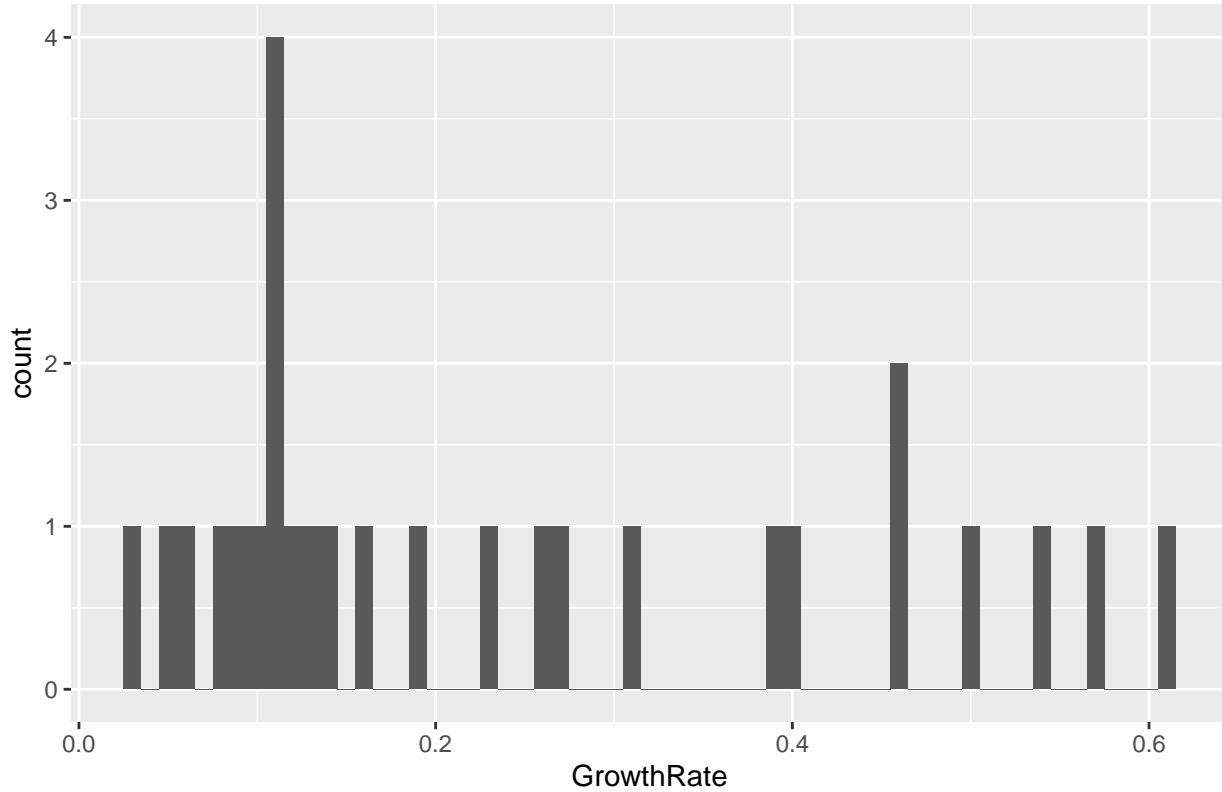
Arizona: Rate of change in Growth Rate



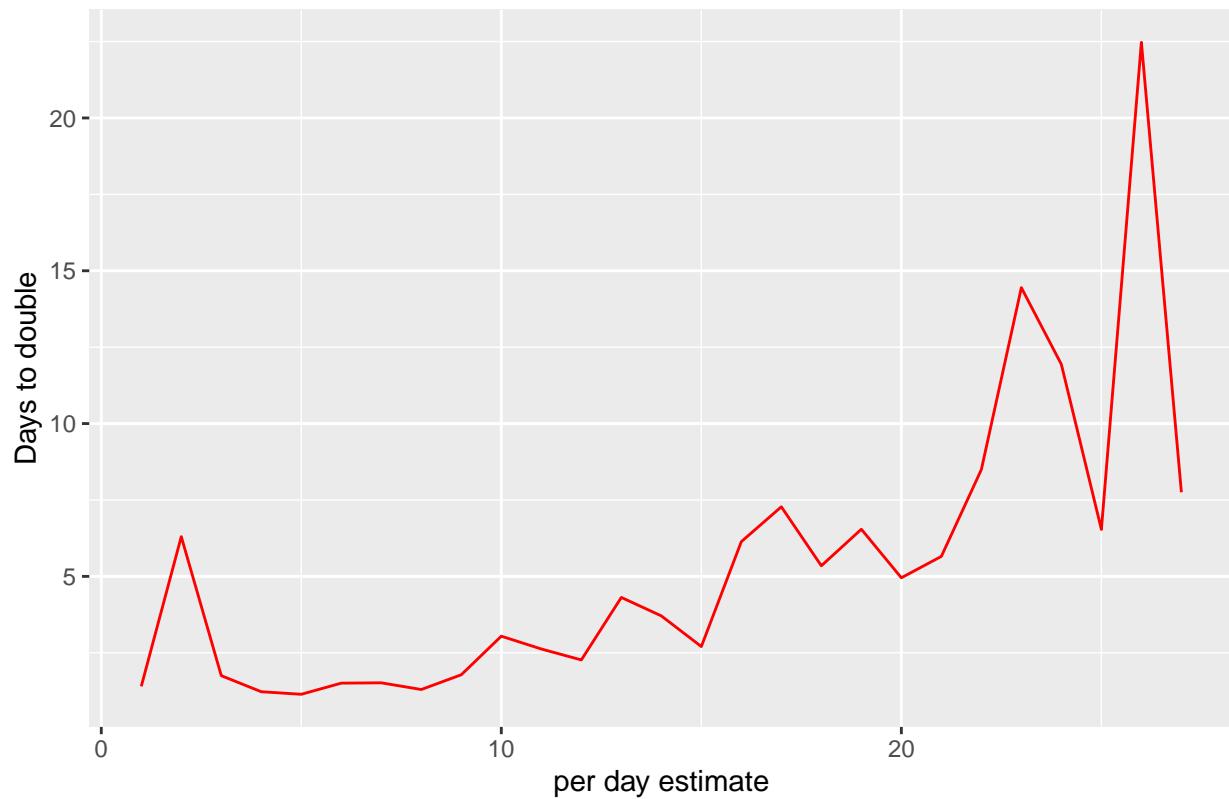
Arizona: Growth Rate



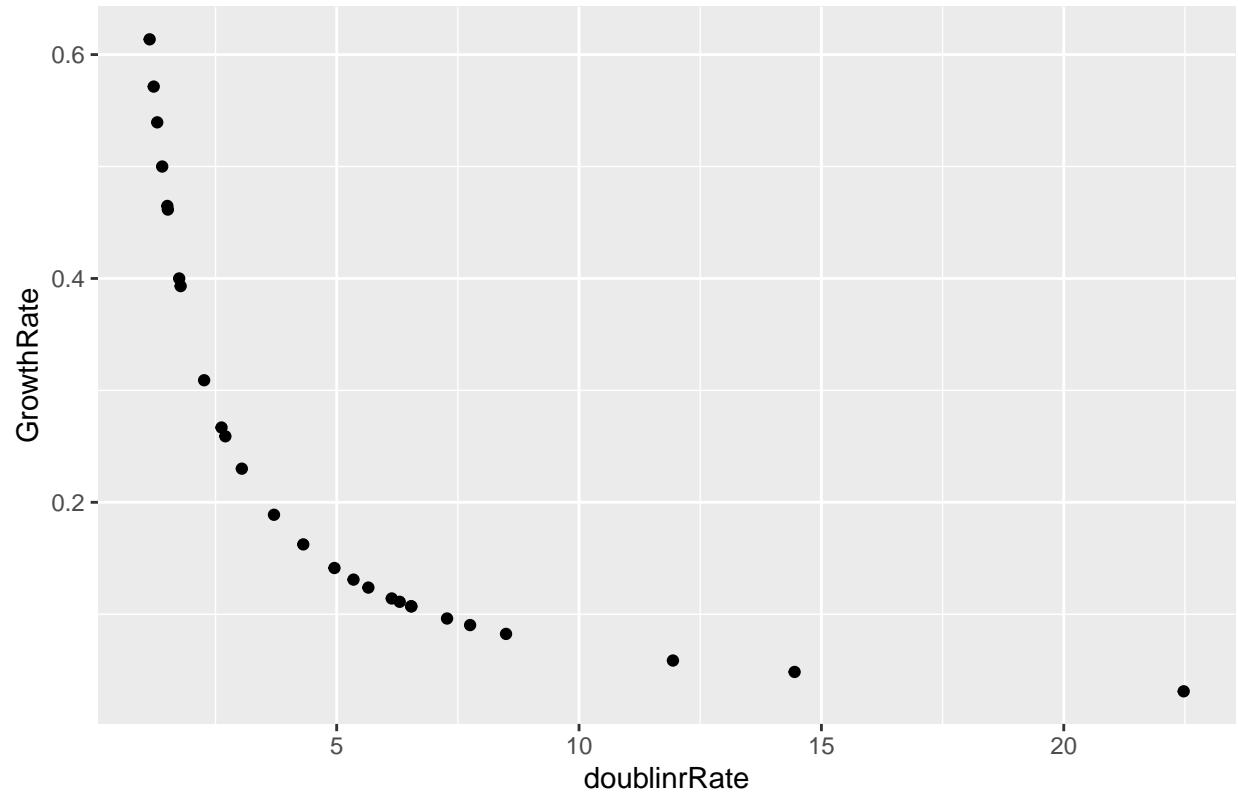
Histogram of GrowthRate



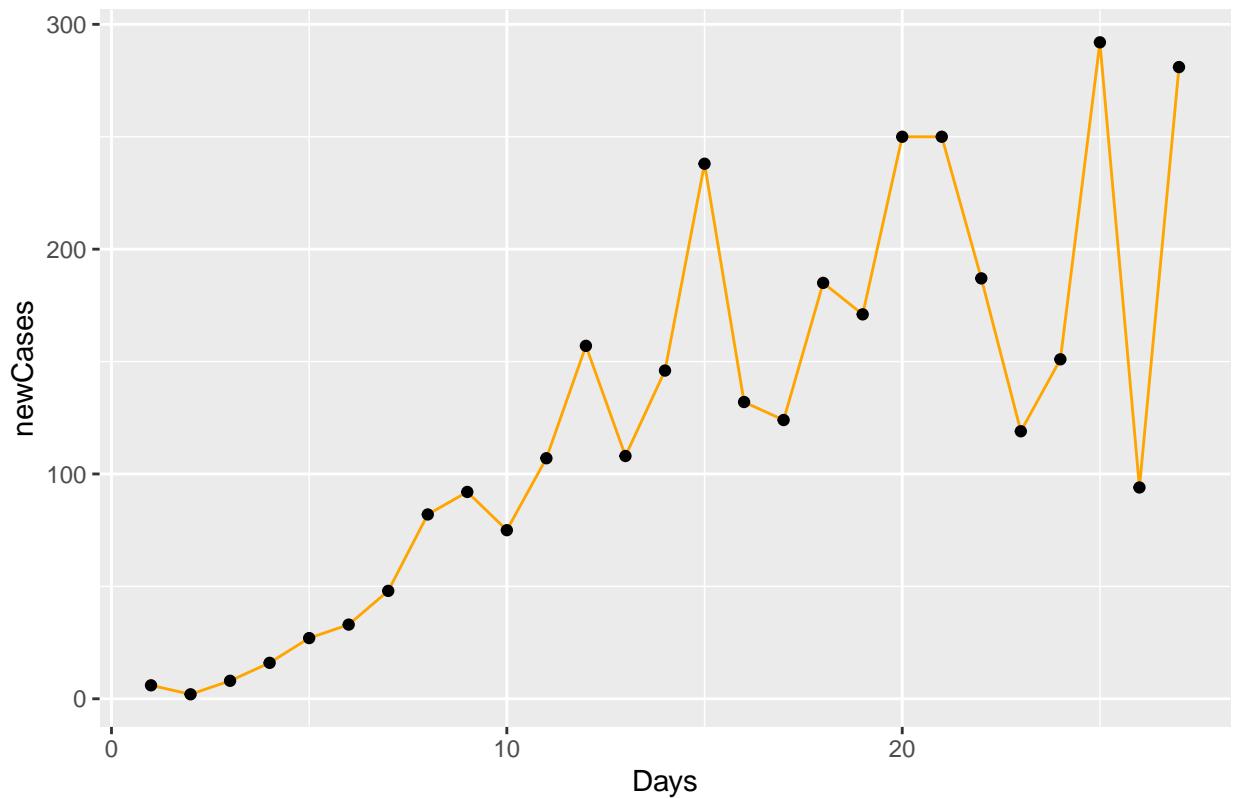
Doubling Rate in days



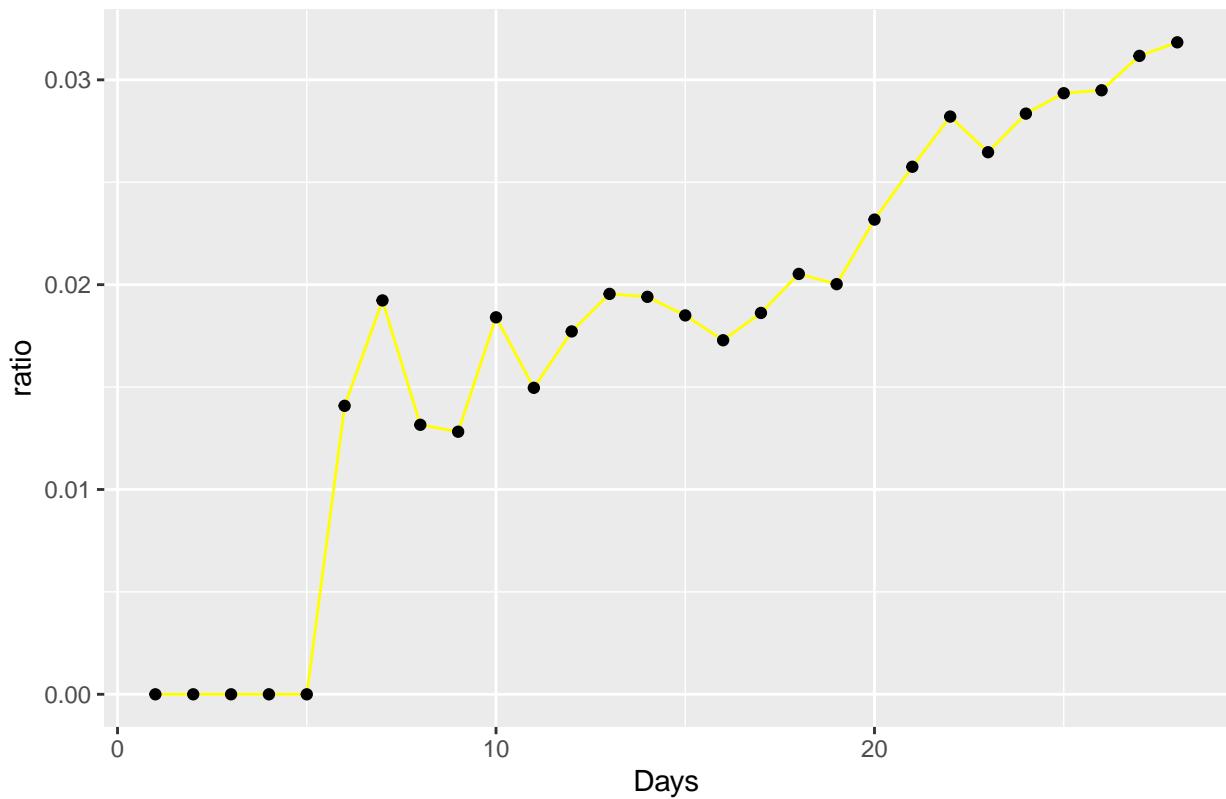
Doubling Rate vs Growth Rate



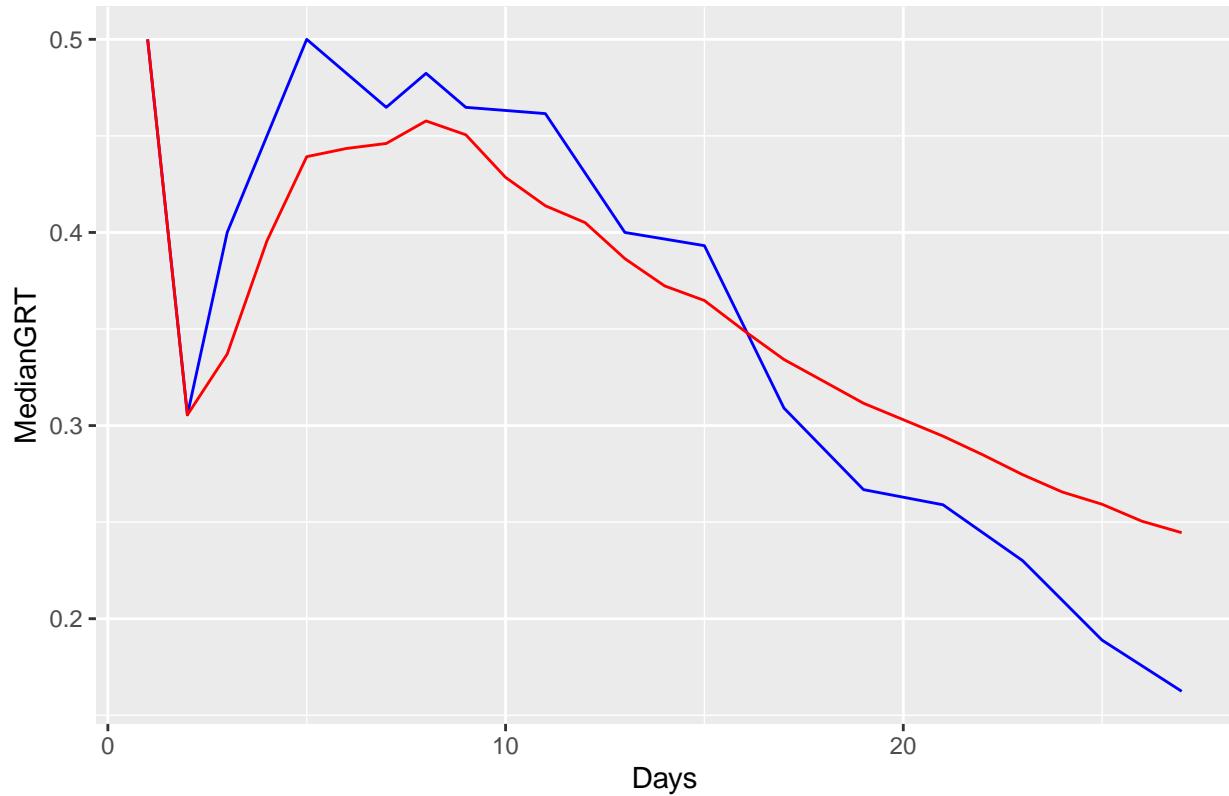
Arizona:newCases(Orange)



Arizona: TotalDeaths/TotalCases



Arizona Median(BLUE)VsMean(RED) Growth Rate

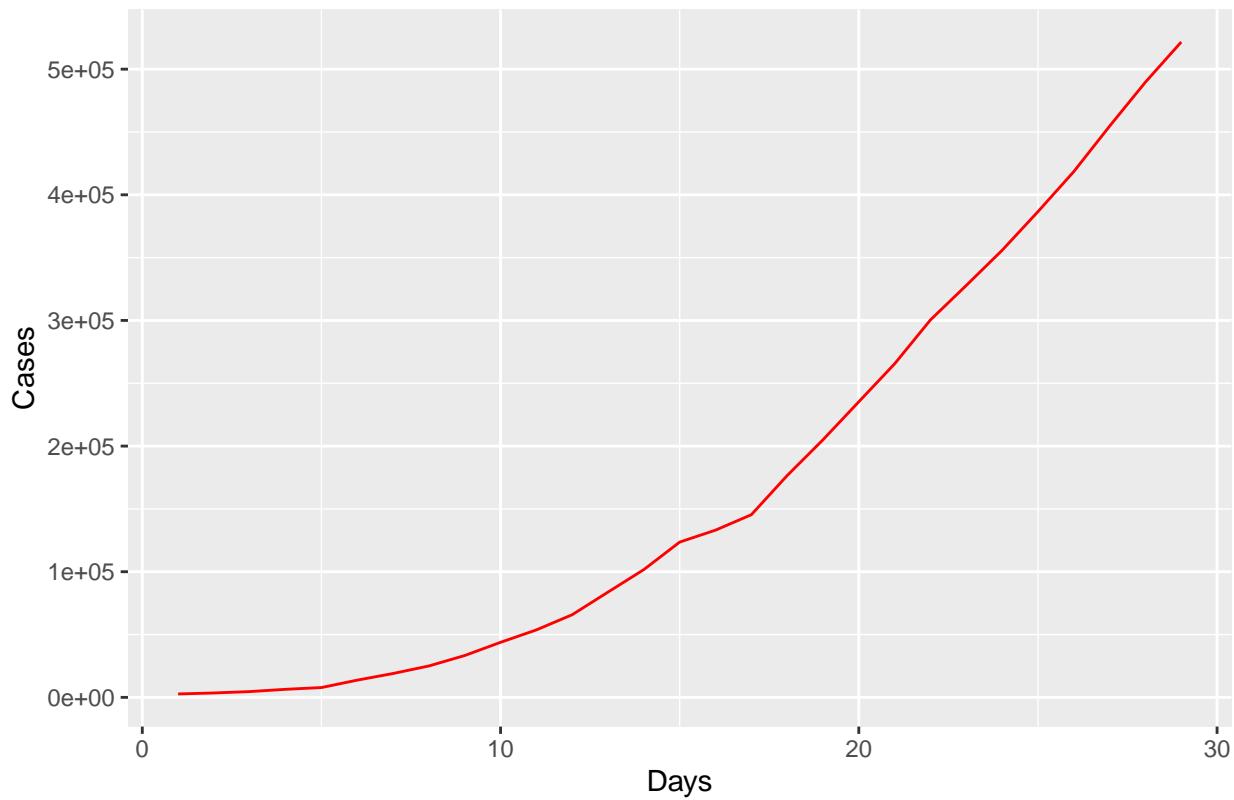


Results:

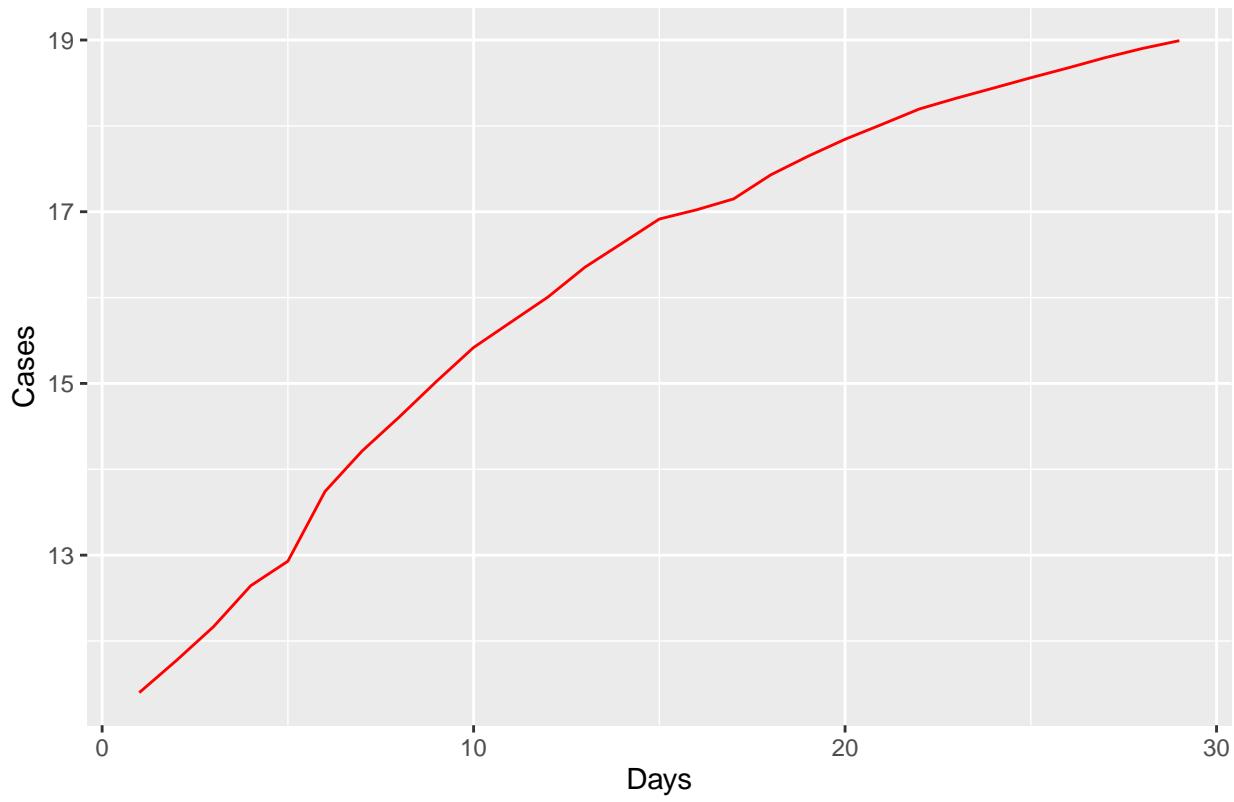
- Tomorrows predicted case number is between **3699.373072** and **4222.7497193** cases.
- Current doubling rate is **8 days**
- Mean doubling rate, i.e number of cases doubles every **3 days**.
- Median doubling rate, i.e number of cases doubles every **4 days**.
- Latest Observed Growth Rate **9.029563** percent.
- Mean Growth Rate: **24.4547515** percent.
- Median Growth Rate: **16.2406015** percent.
- Standard deviation: +/- **18.1181131**.

US Corona Dashboard

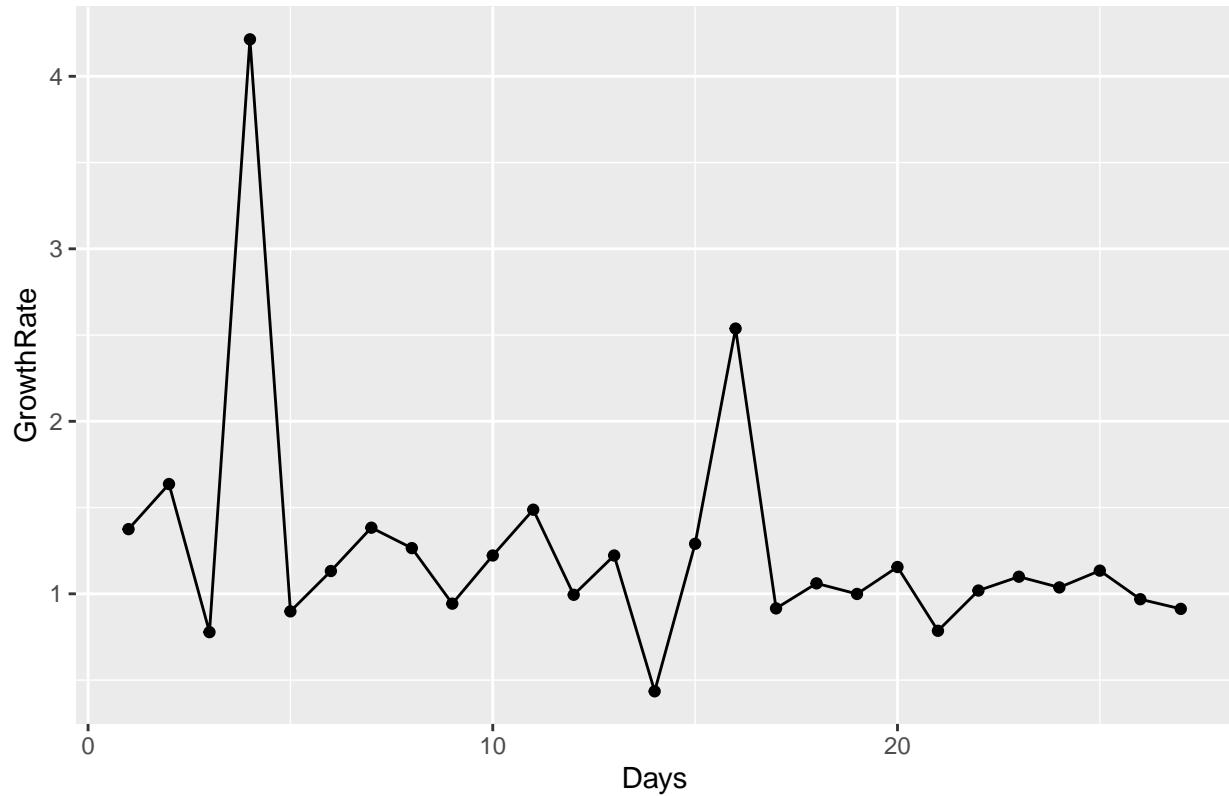
US: Daily Cases



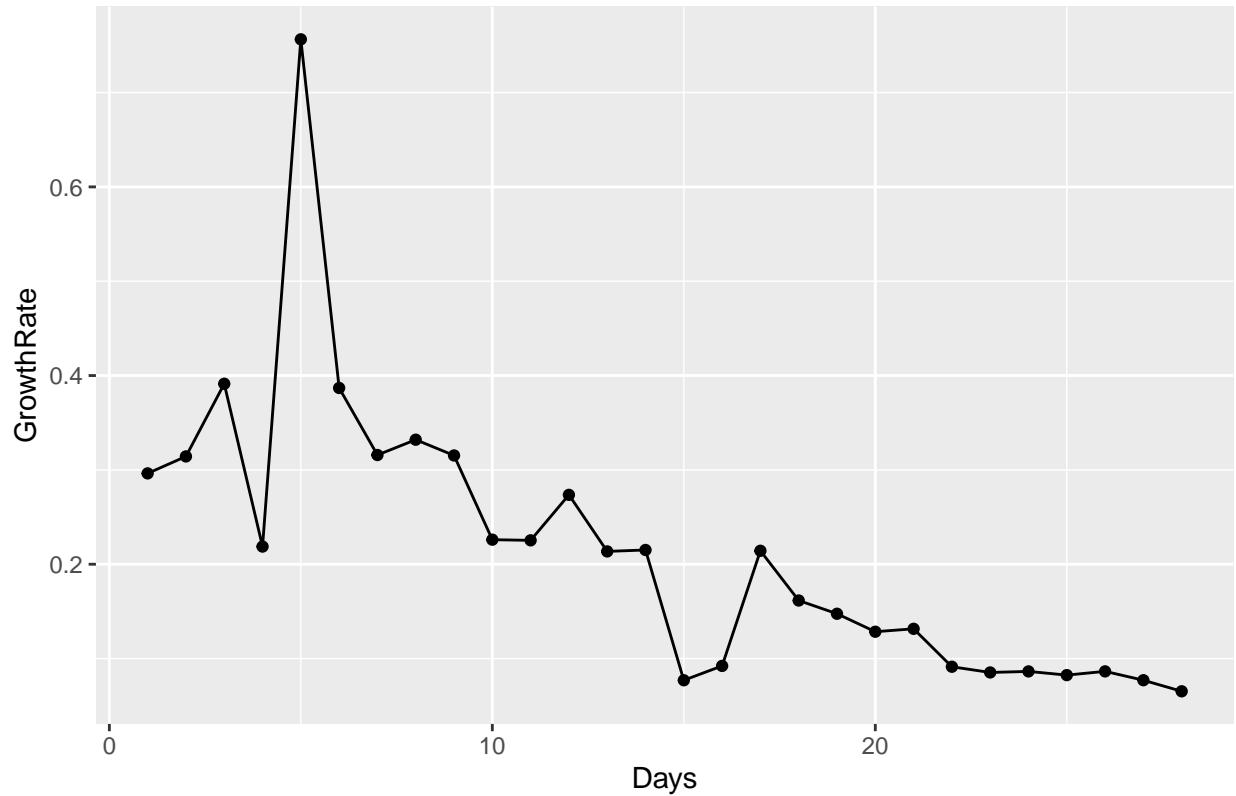
US: Daily Cases



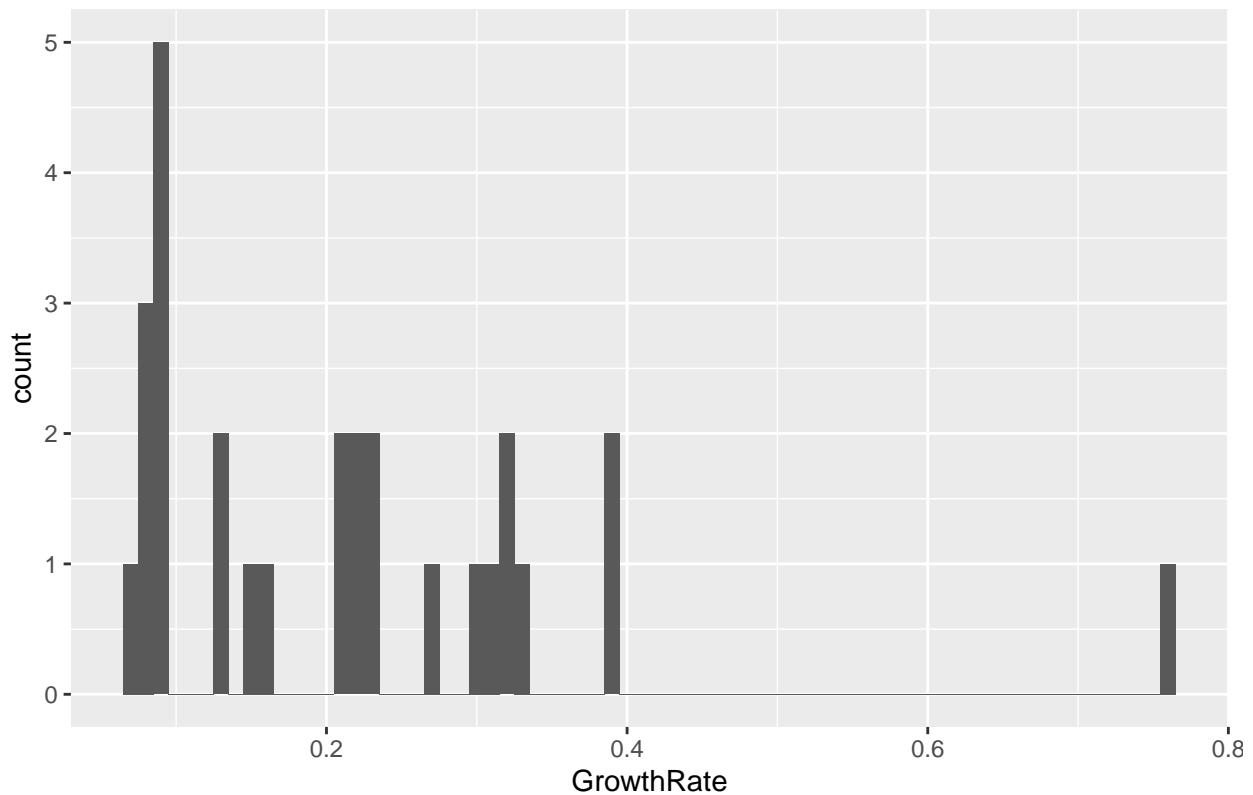
US: Rate of change in Growth Rate



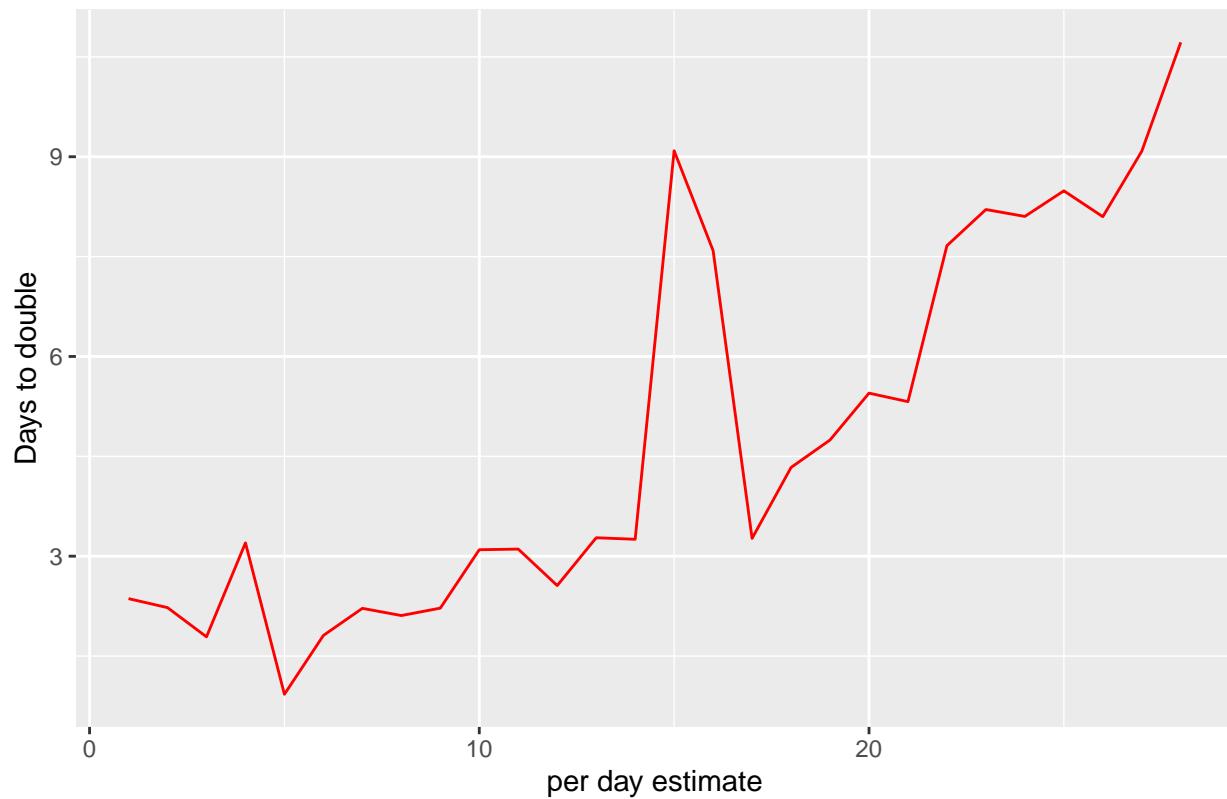
US: Growth Rate



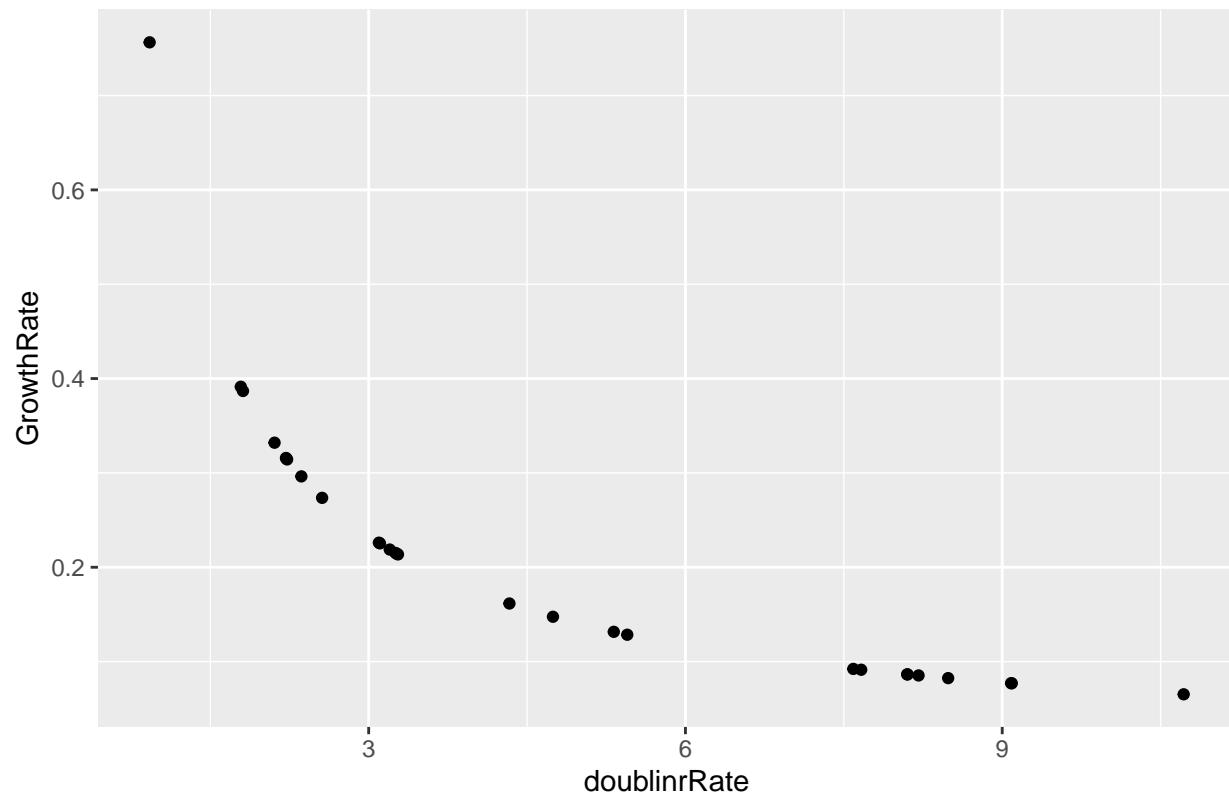
Histogram of GrowthRate



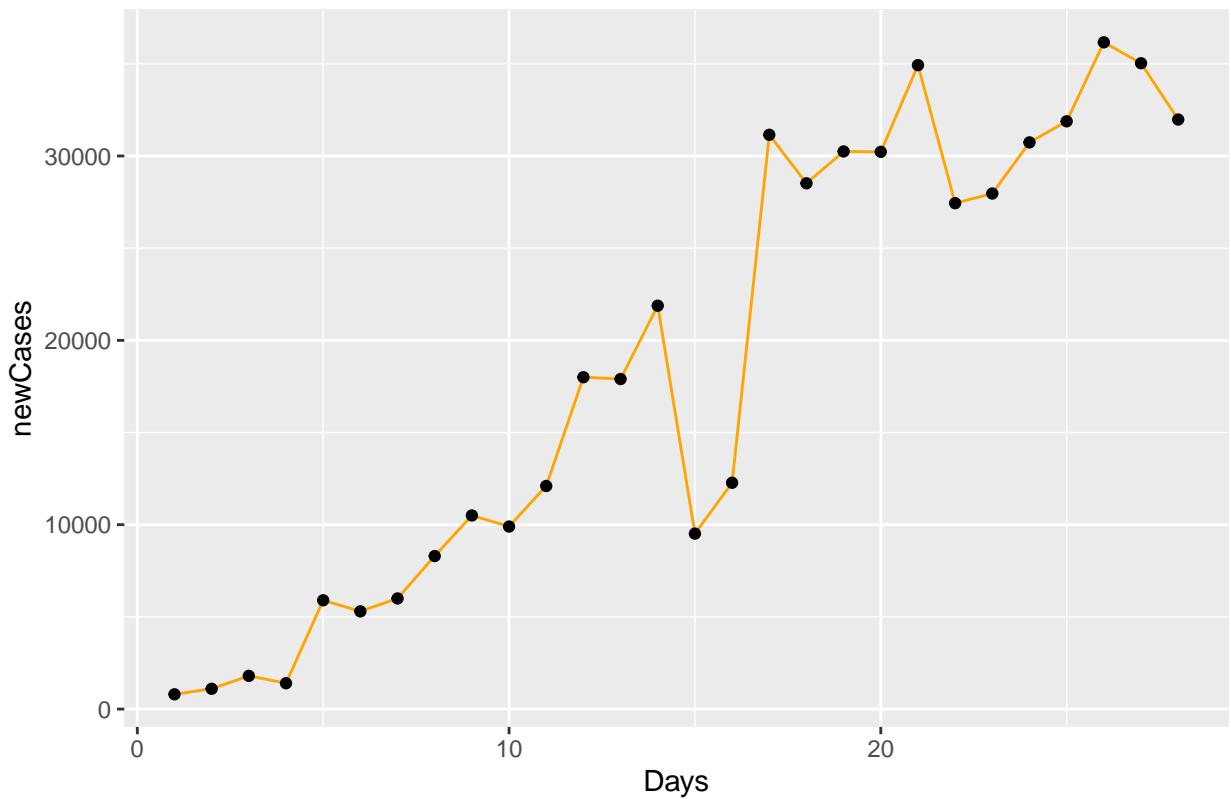
Doubling Rate in days



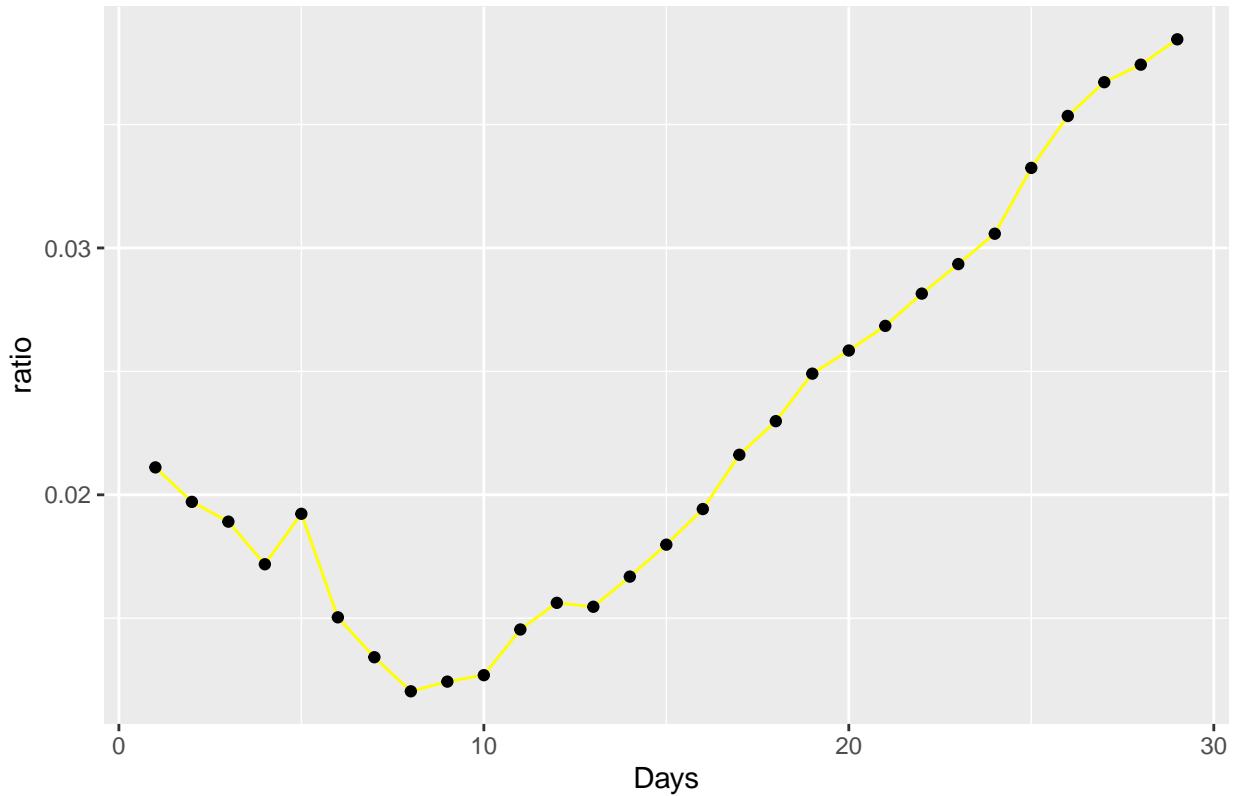
Doubling Rate vs Growth Rate



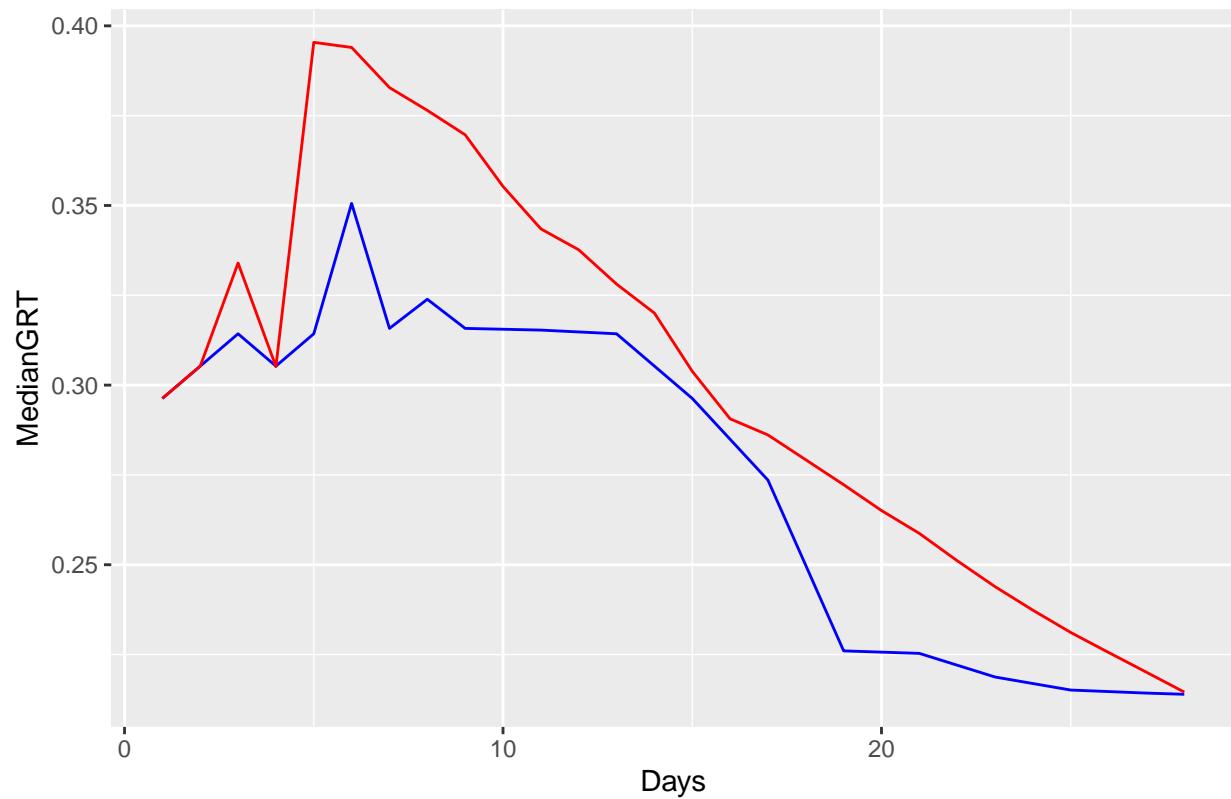
US:newCases(Orange)



US: TotalDeaths/TotalCases



US Median(BLUE)VsMean(RED) Growth Rate

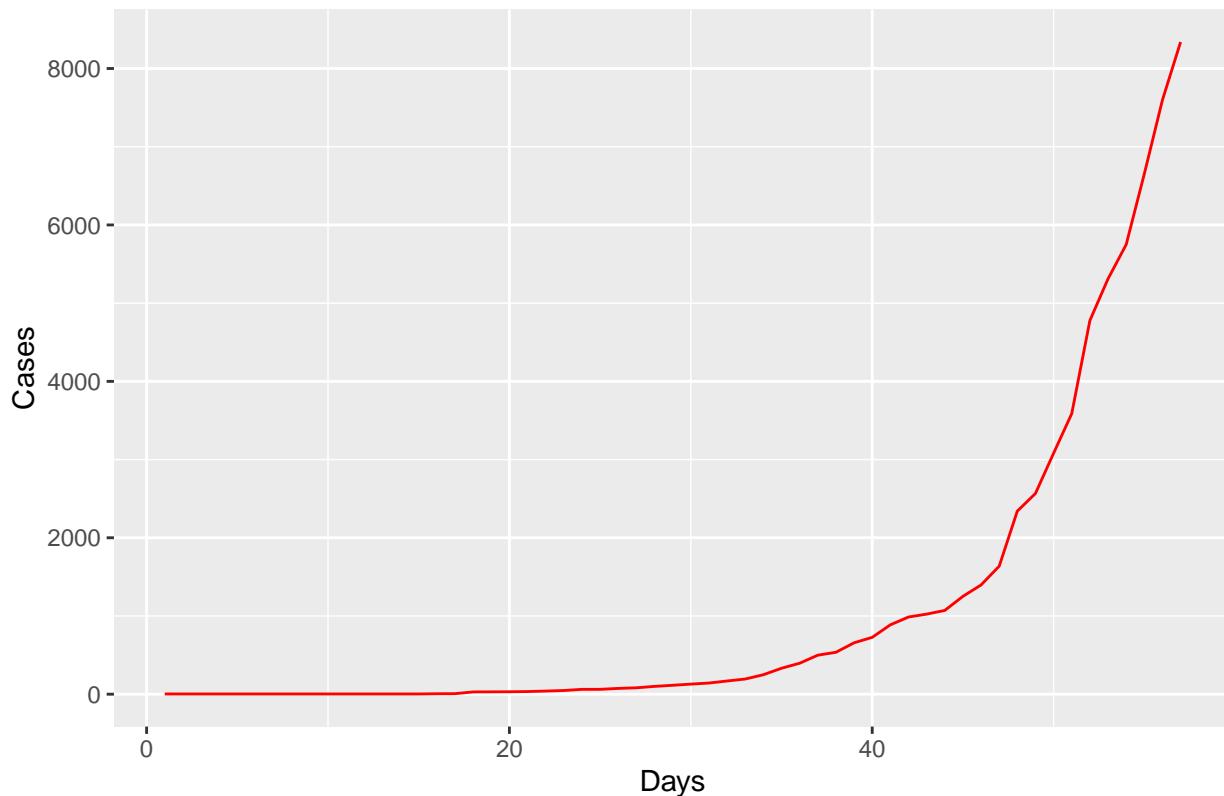


Results:

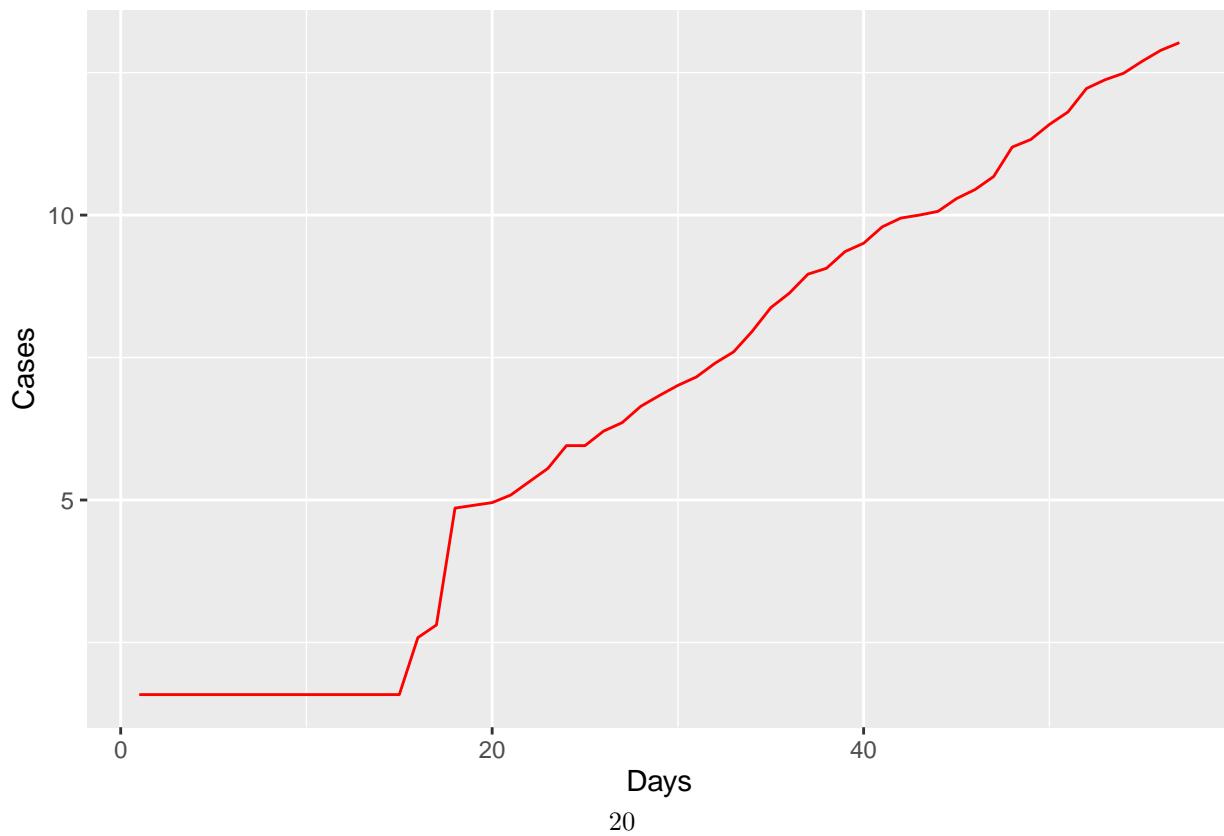
- Tomorrows predicted case number is between 5.556883×10^5 and 6.3353885×10^5 cases.
- Current doubling rate is **11 days**
- Mean doubling rate, i.e number of cases doubles every **3 days**.
- Median doubling rate, i.e number of cases doubles every **3 days**.
- Latest Observed Growth Rate **6.5306364** percent.
- Mean Growth Rate: **21.4553129** percent.
- Median Growth Rate: **21.3939607** percent.
- Standard deviation: +/- **14.7568613**.

India Corona Dashboard

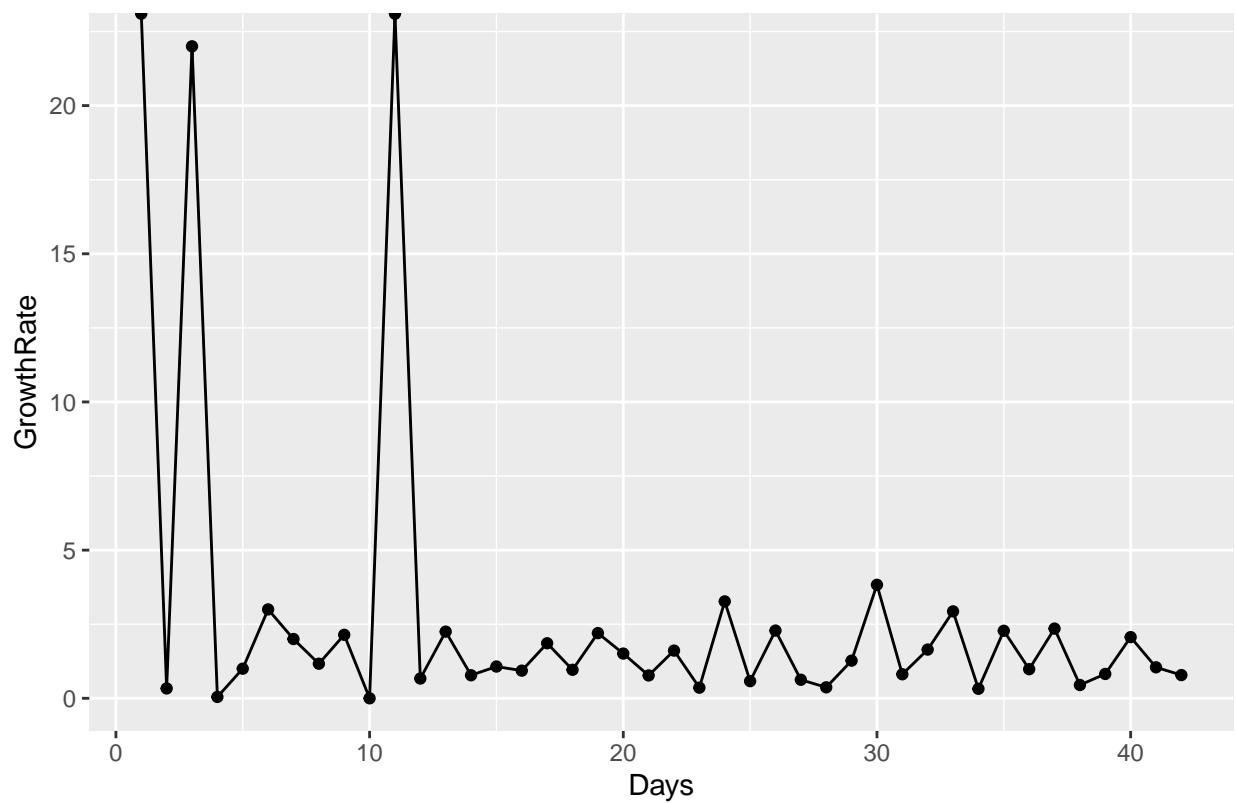
India: Daily Cases



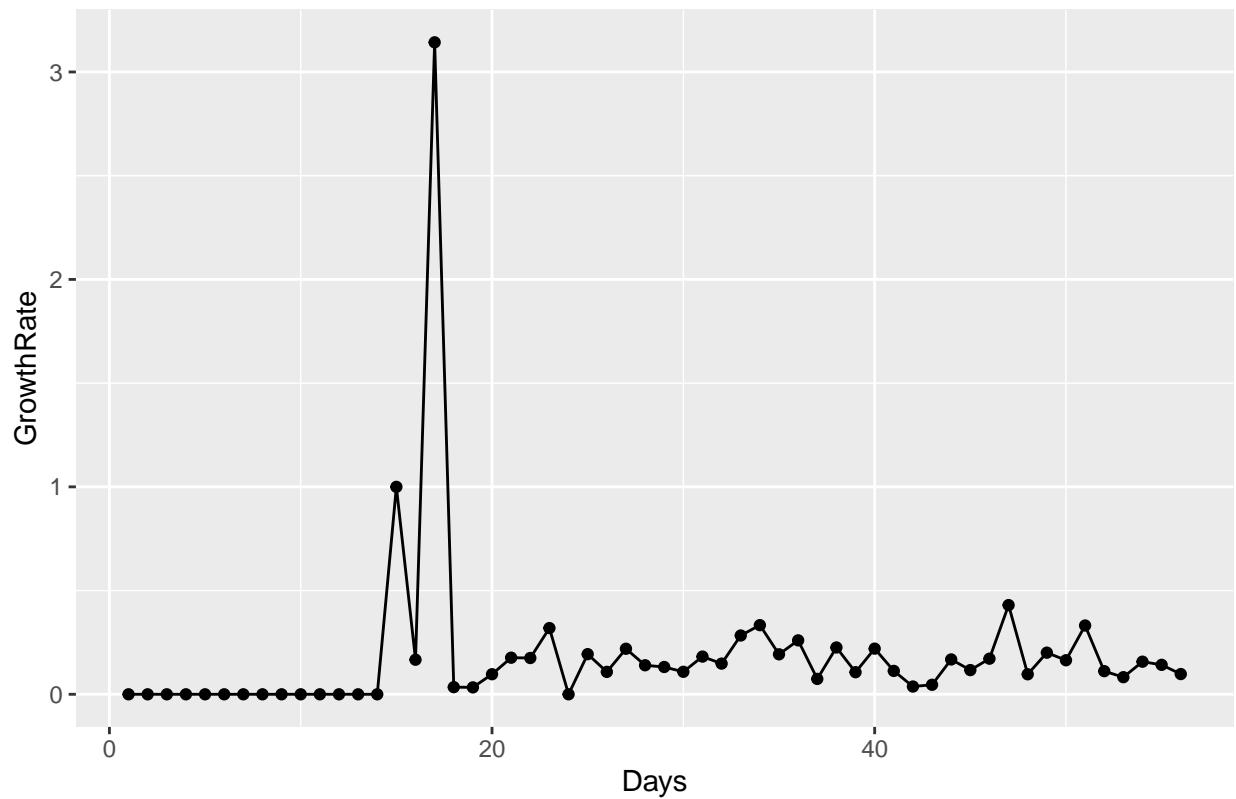
India: Daily Cases



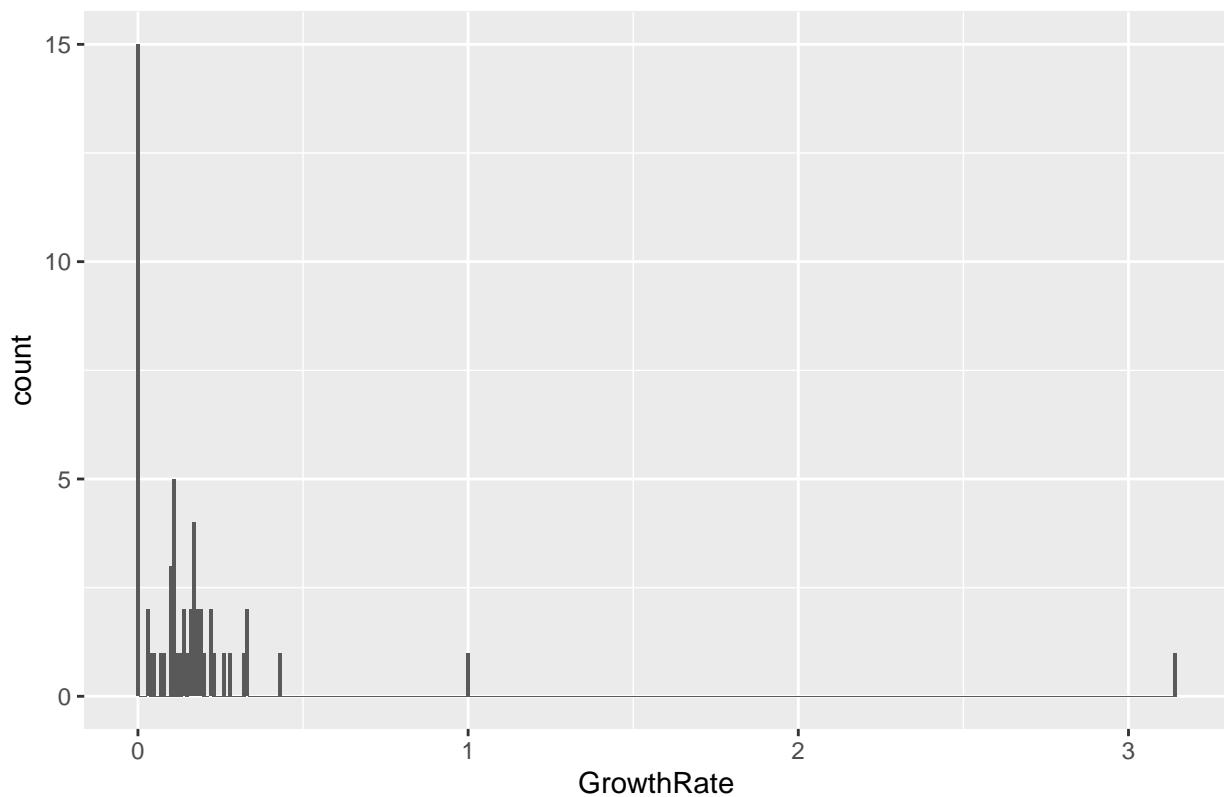
US: Rate of change in Growth Rate

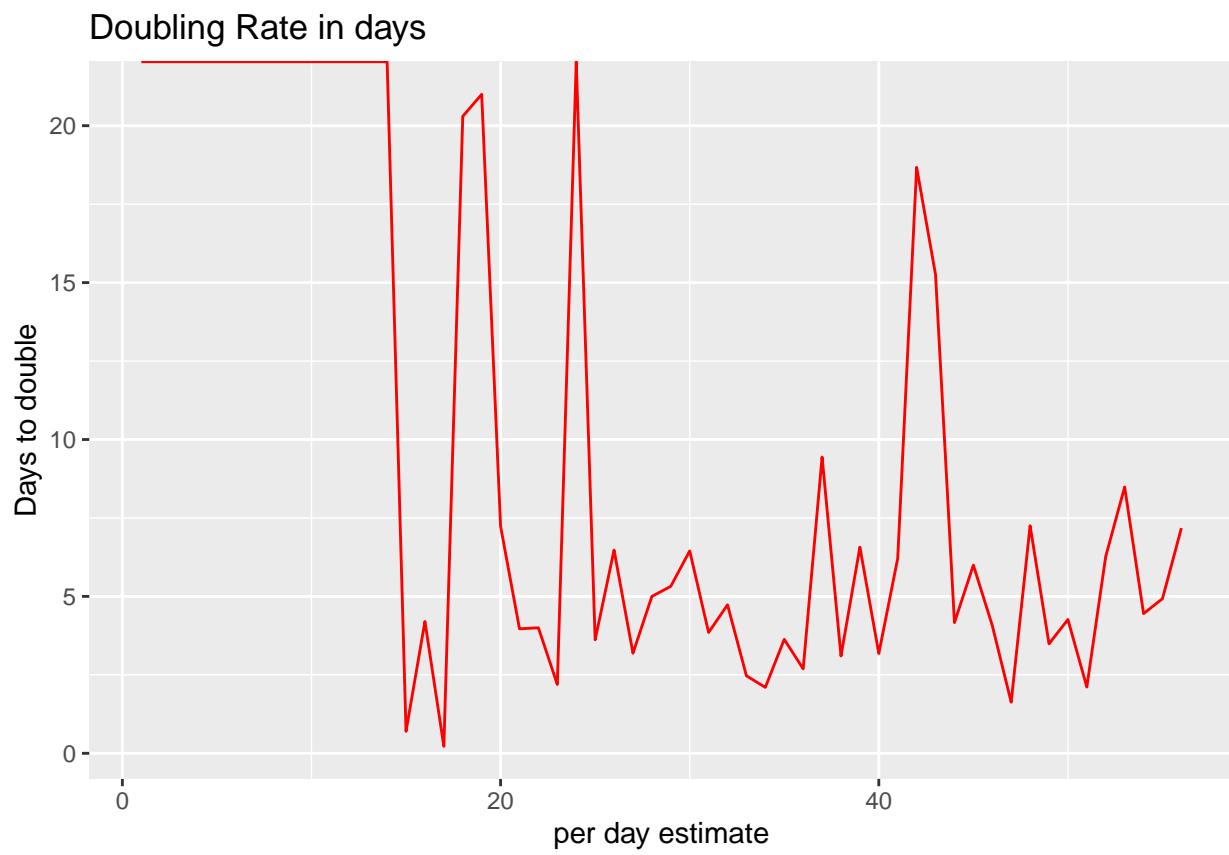


India: Growth Rate

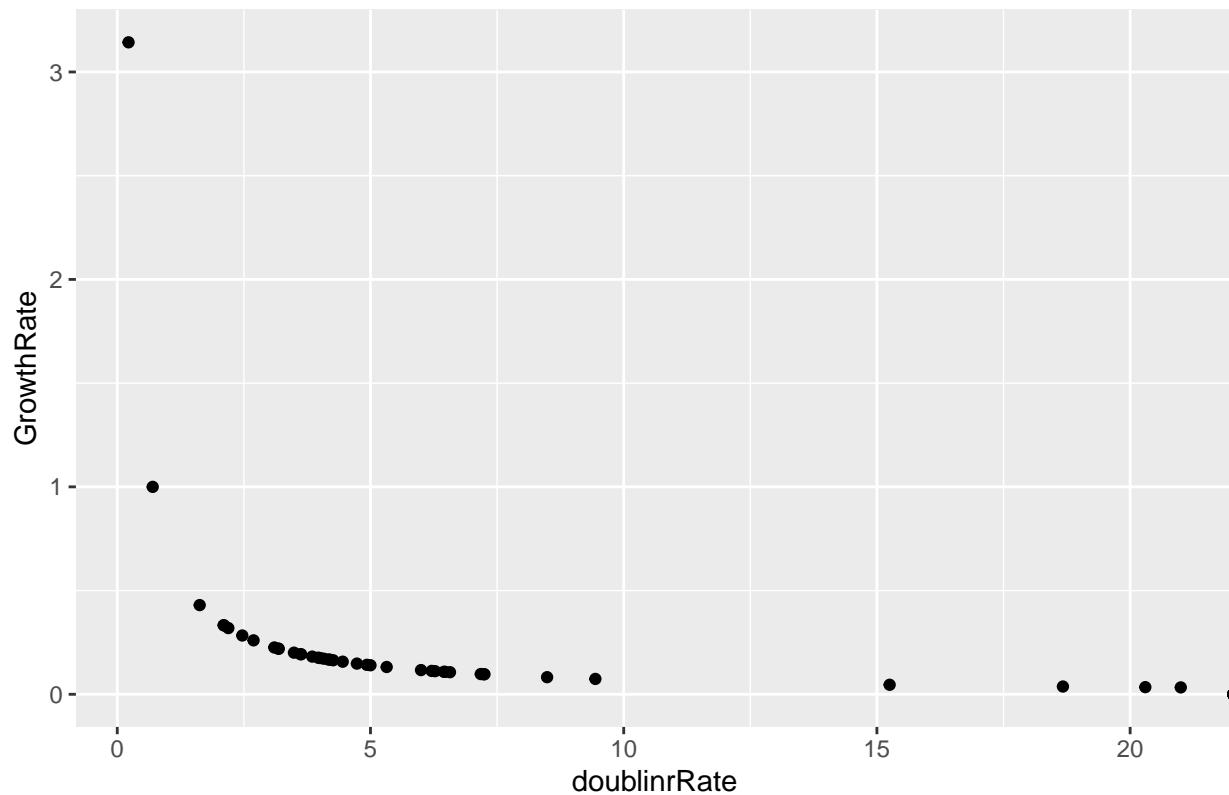


Histogram of GrowthRate

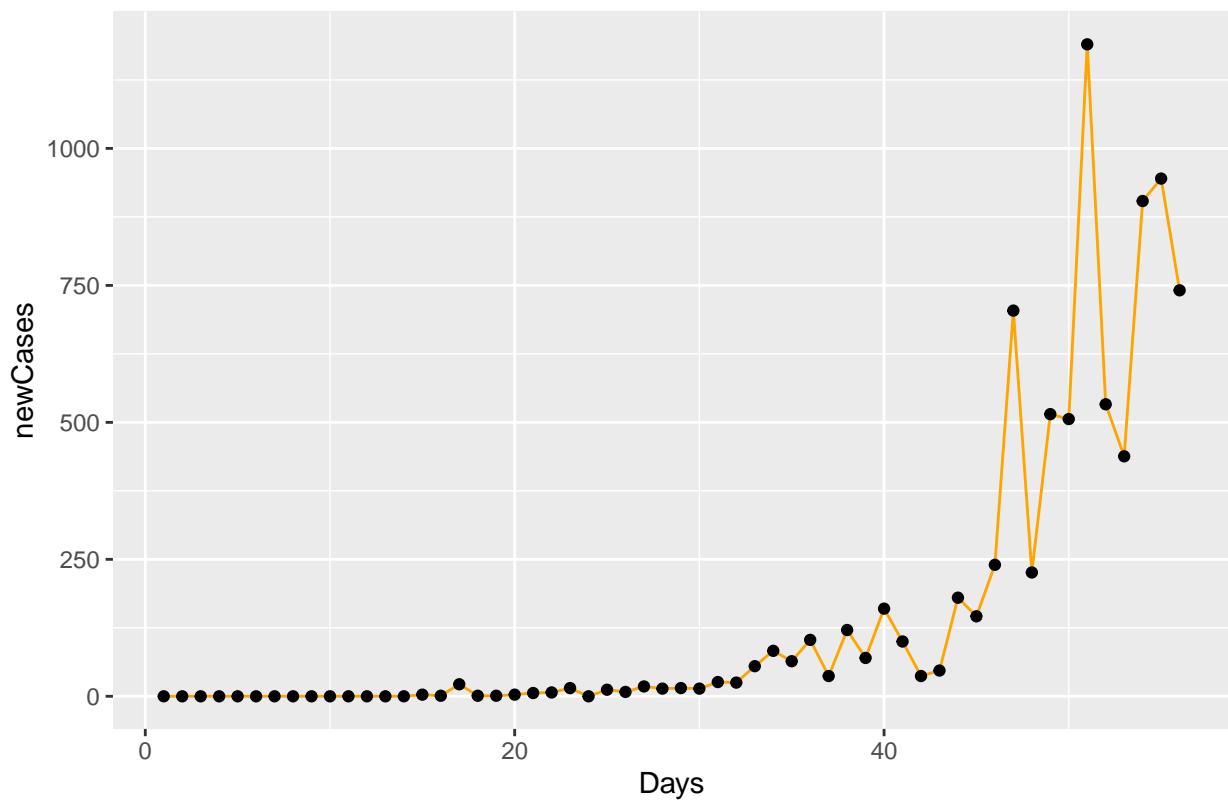




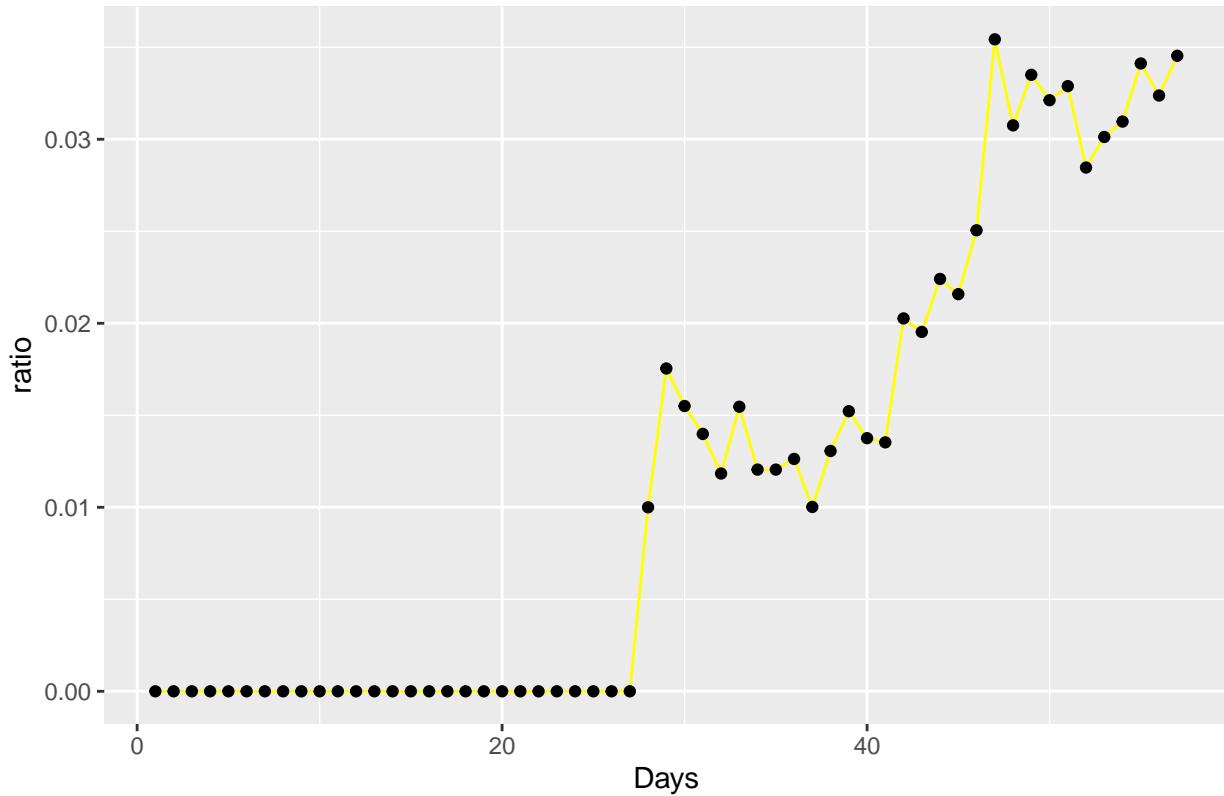
Doubling Rate vs Growth Rate



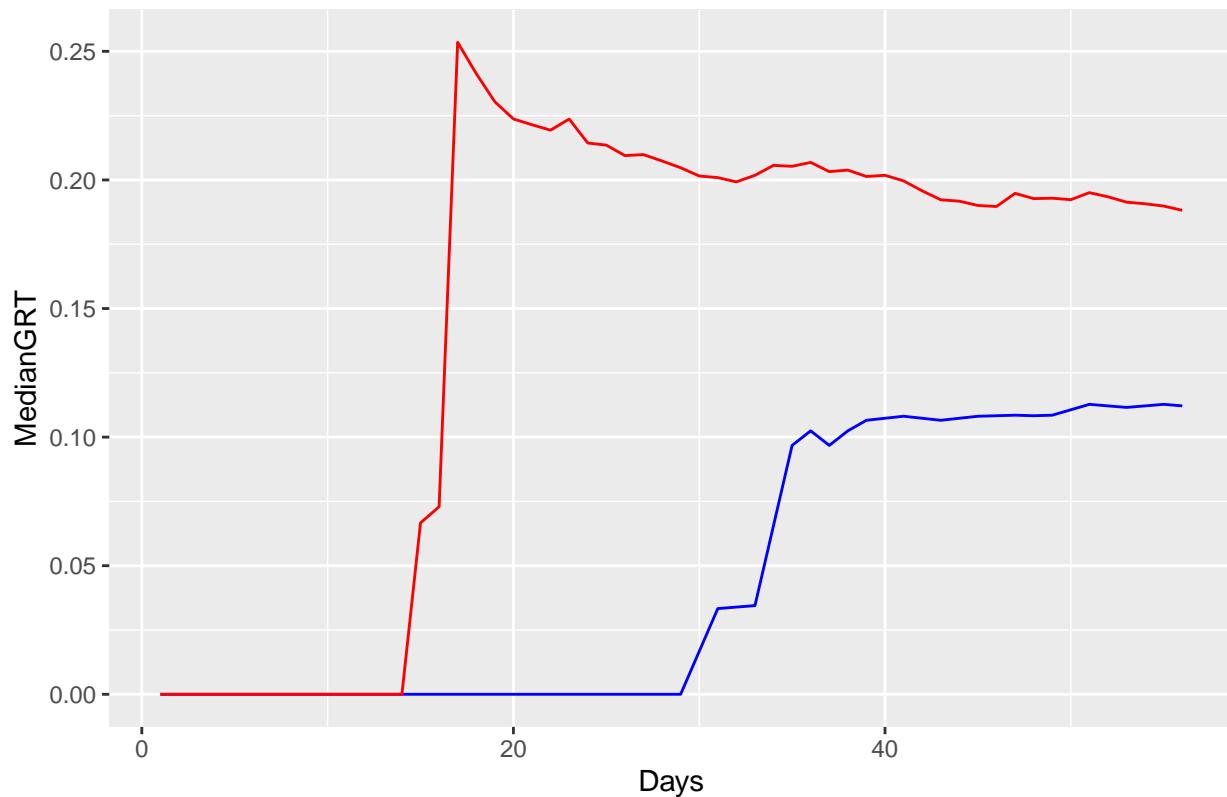
India:newCases(Orange)



India: TotalDeaths/TotalCases



India Median(BLUE)VsMean(RED) Growth Rate



Results:

- Tomorrows predicted case number is between **9152.2665175** and **9908.3070811** 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 **9.7525665** percent.
- Mean Growth Rate: **18.818881** percent.
- Median Growth Rate: **11.2146261** percent.
- Standard deviation: +/- **43.1564161**.