

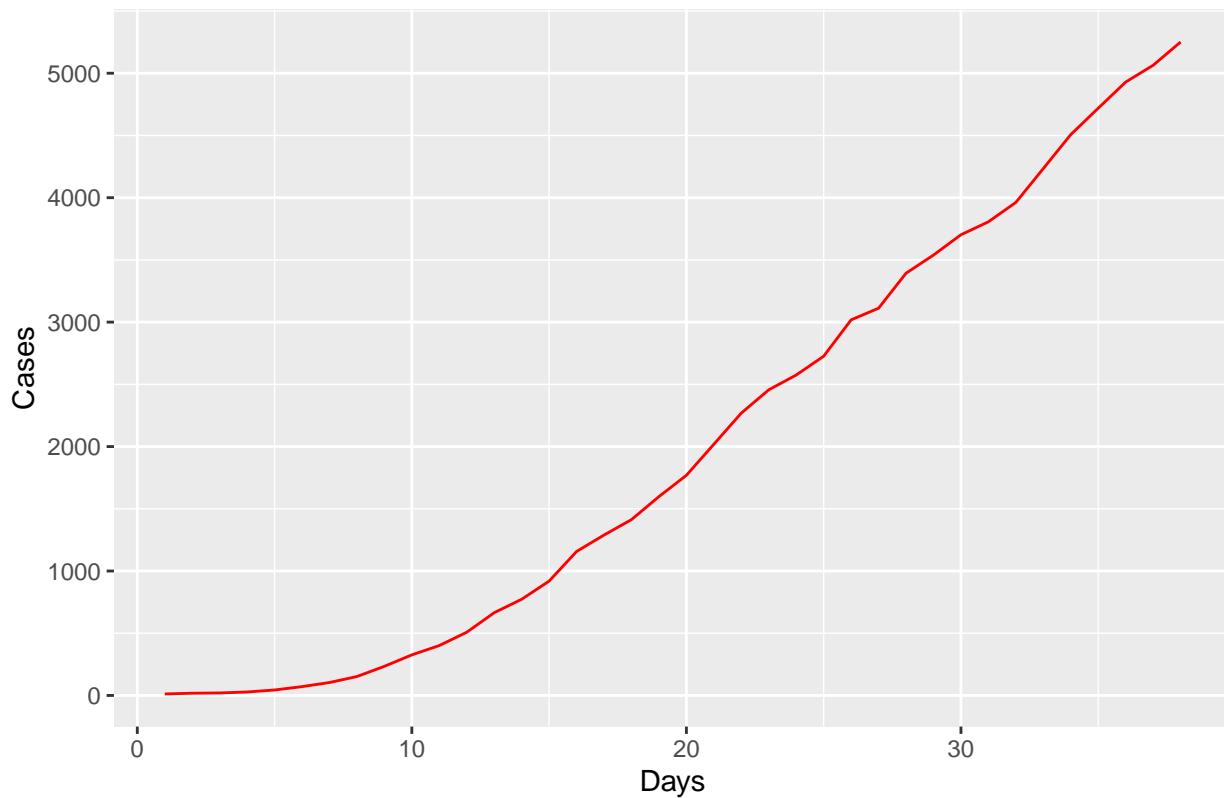
Arizona/US/India Corona Trends- 21th April 2020 with tomorrow's prediction

Whitchurch Muthumani

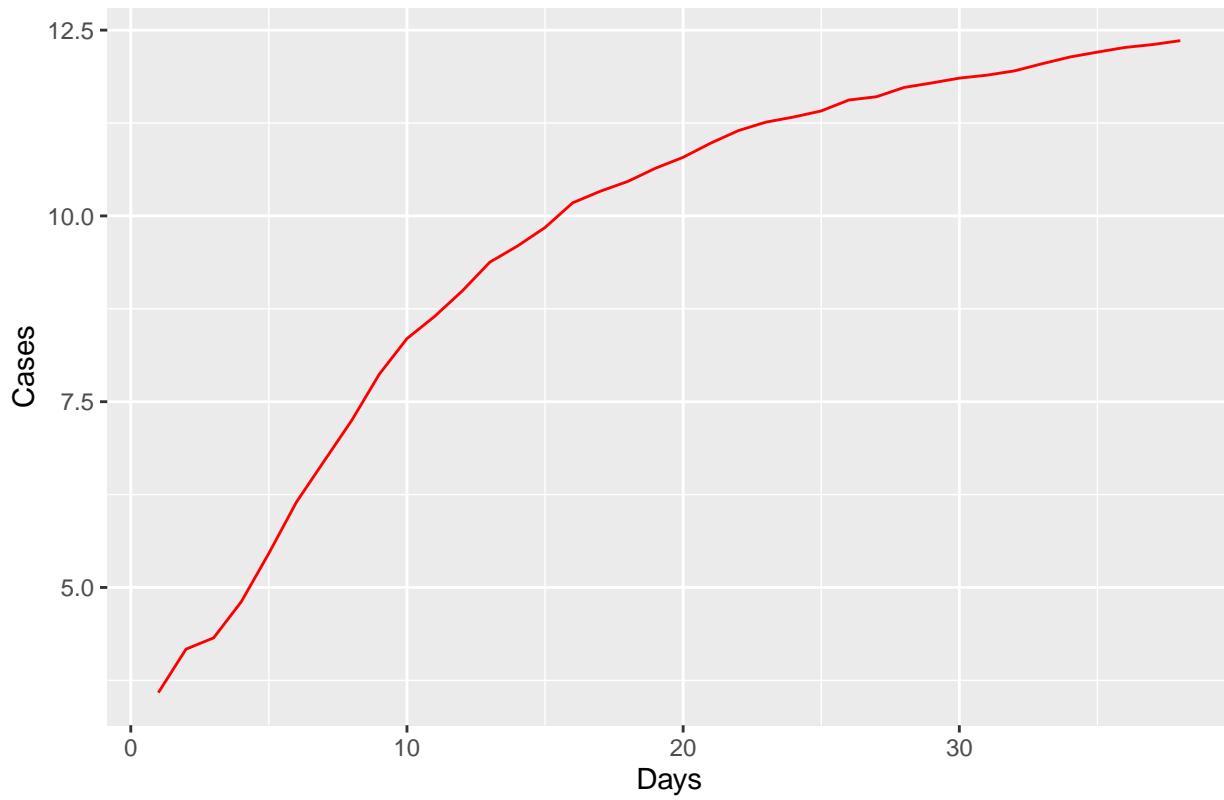
4/21/2020

Arizona Corona Dashboard

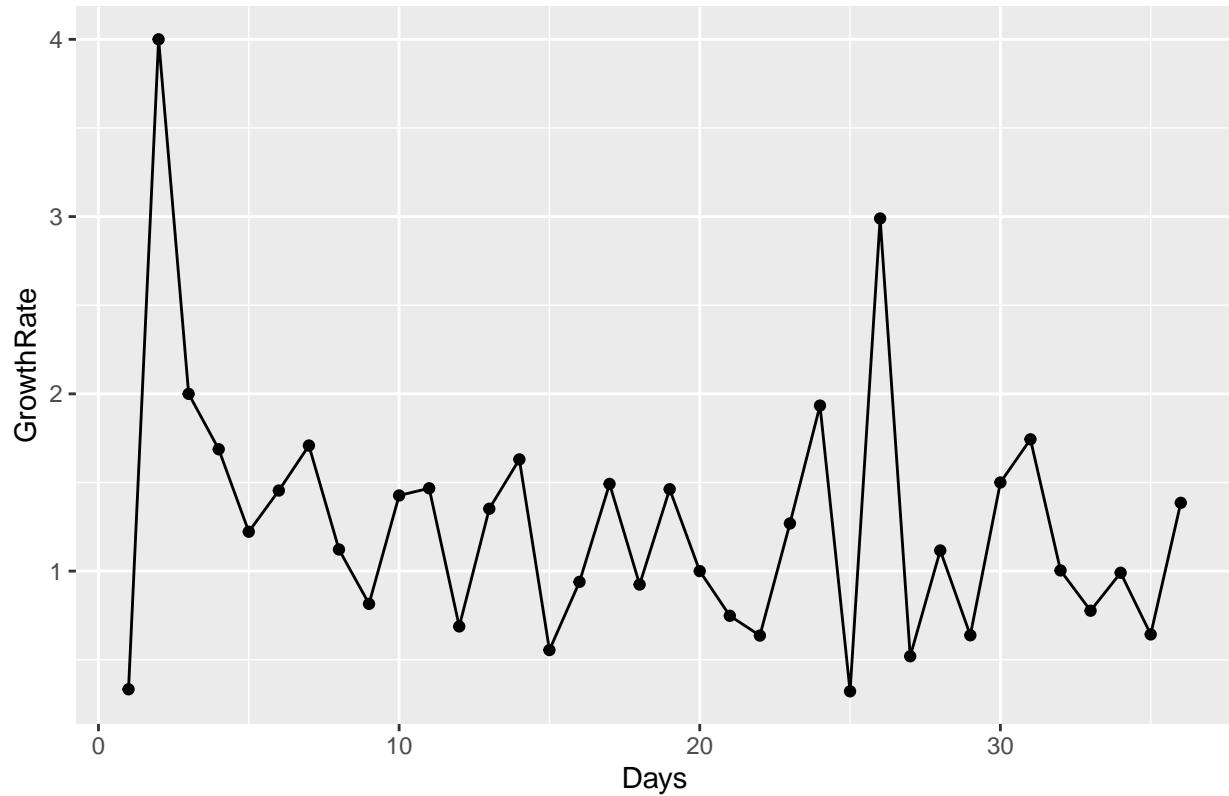
Arizona: Daily Cases



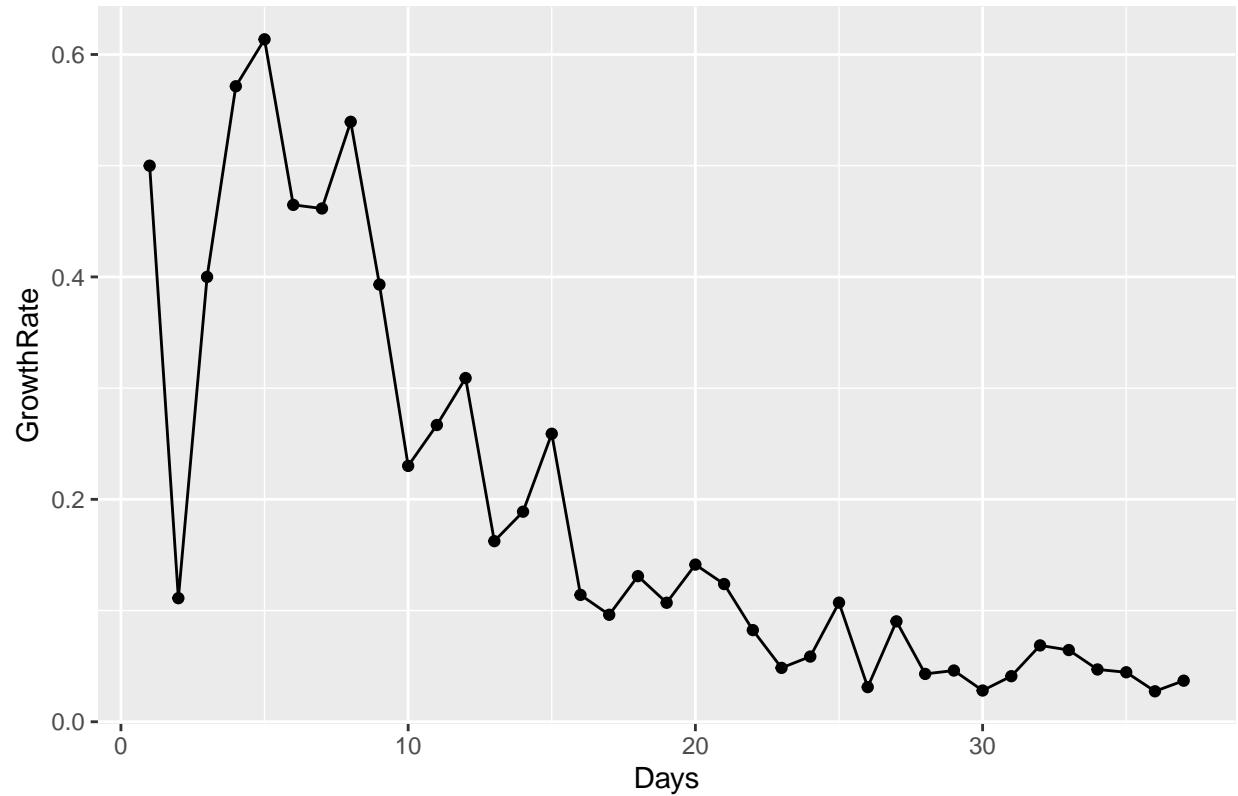
Arizona: Daily Cases



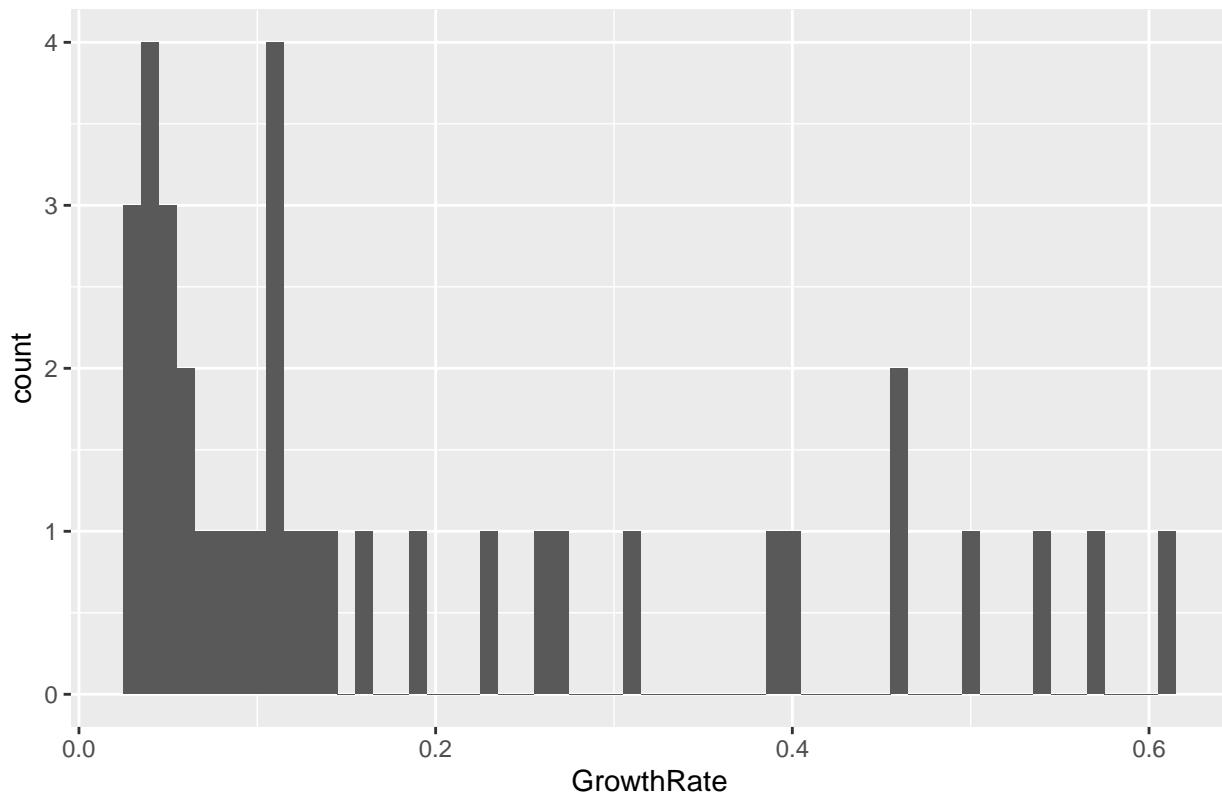
Arizona: Rate of change in Growth Rate



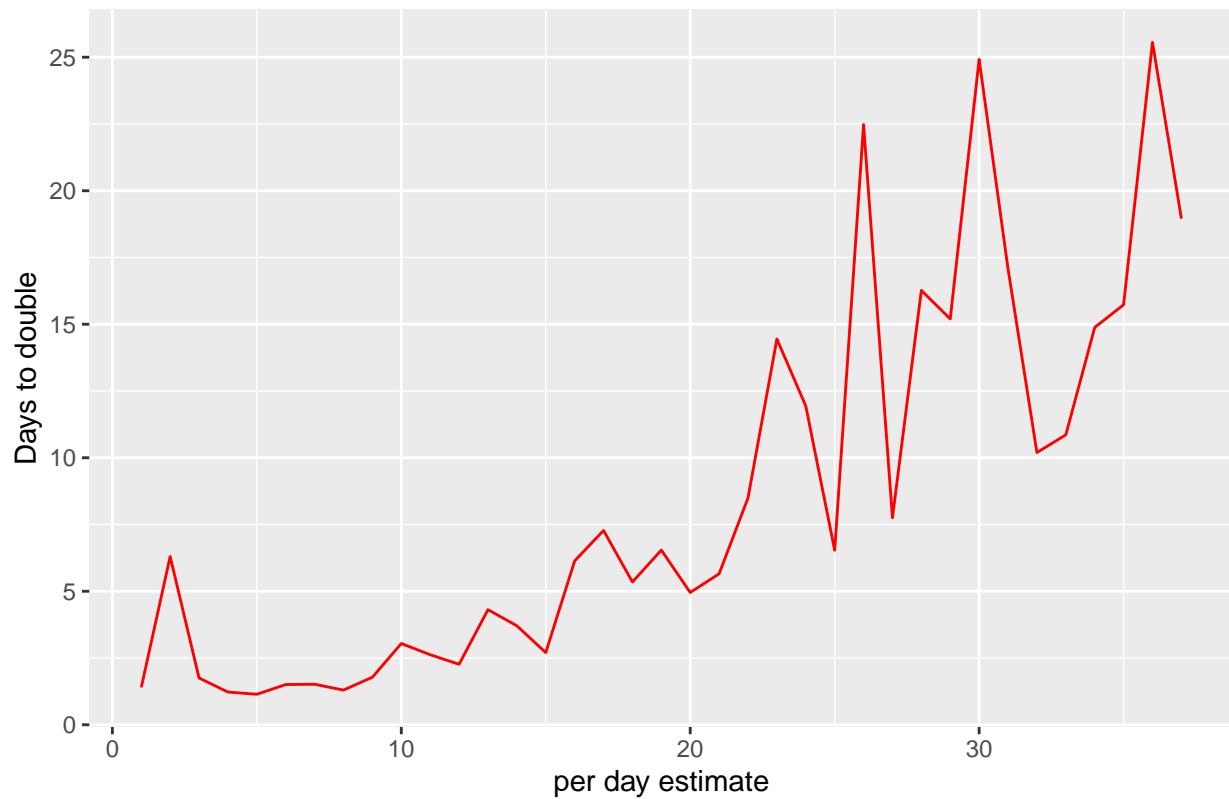
Arizona: Growth Rate



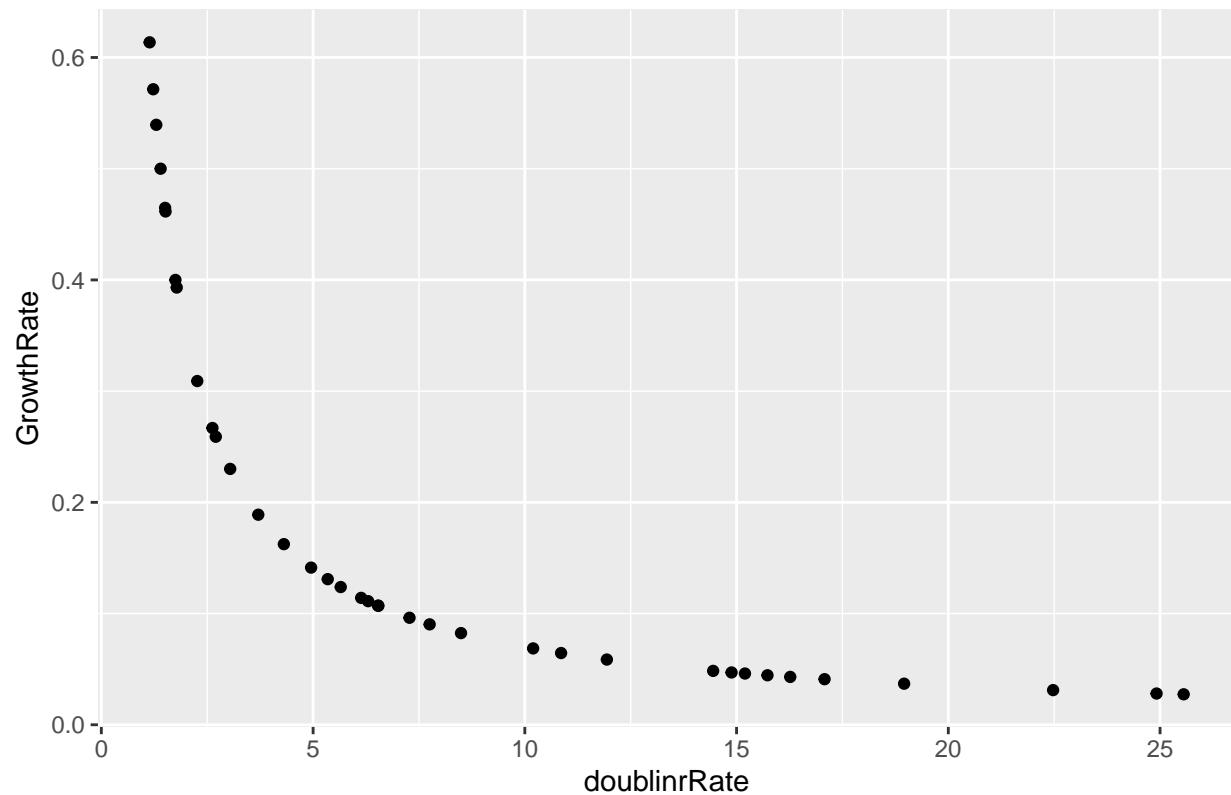
Histogram of GrowthRate



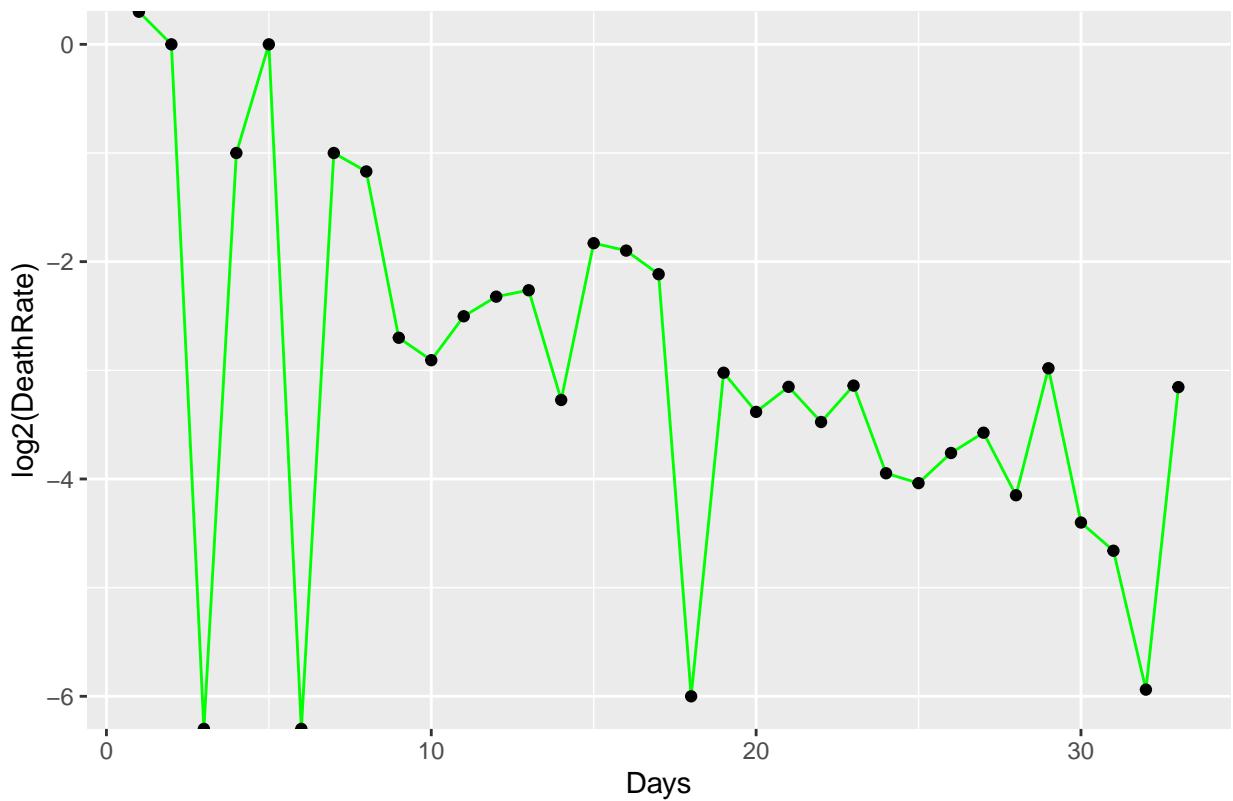
Doubling Rate in days



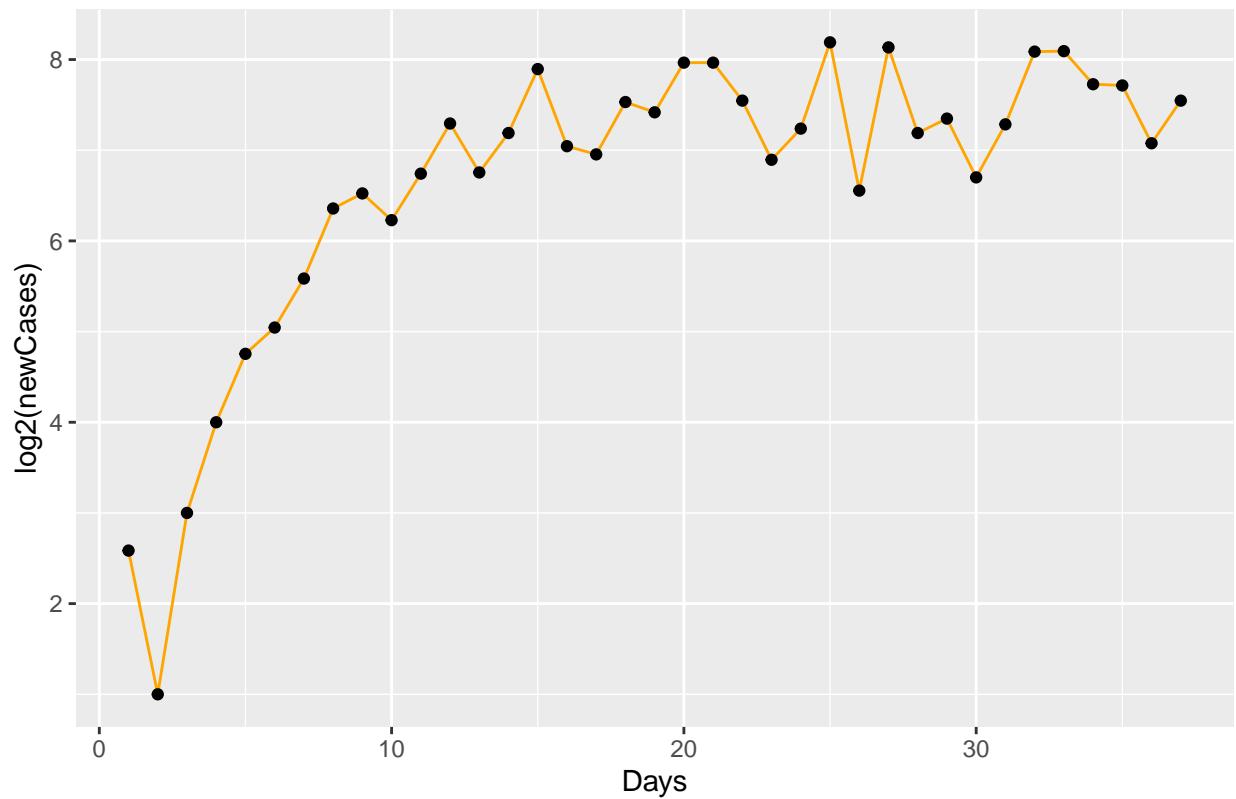
Doubling Rate vs Growth Rate



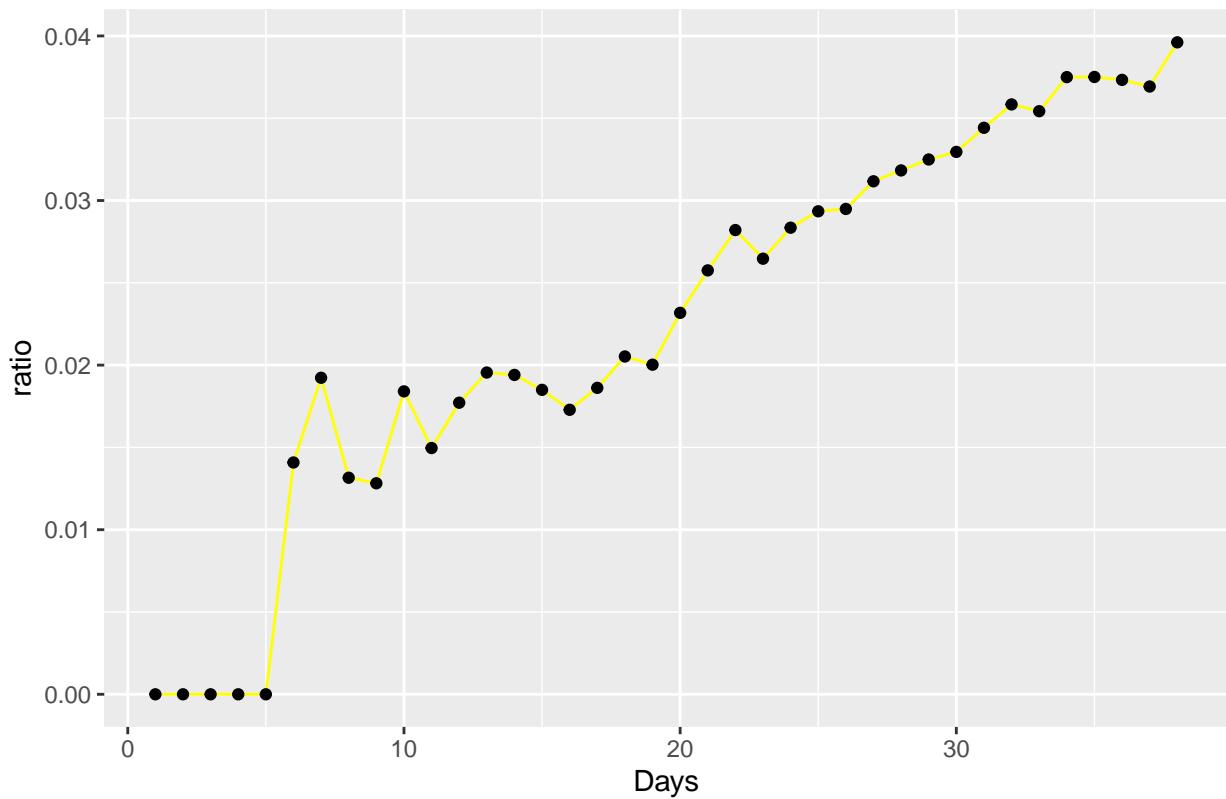
Arizona: Daily Death Rate



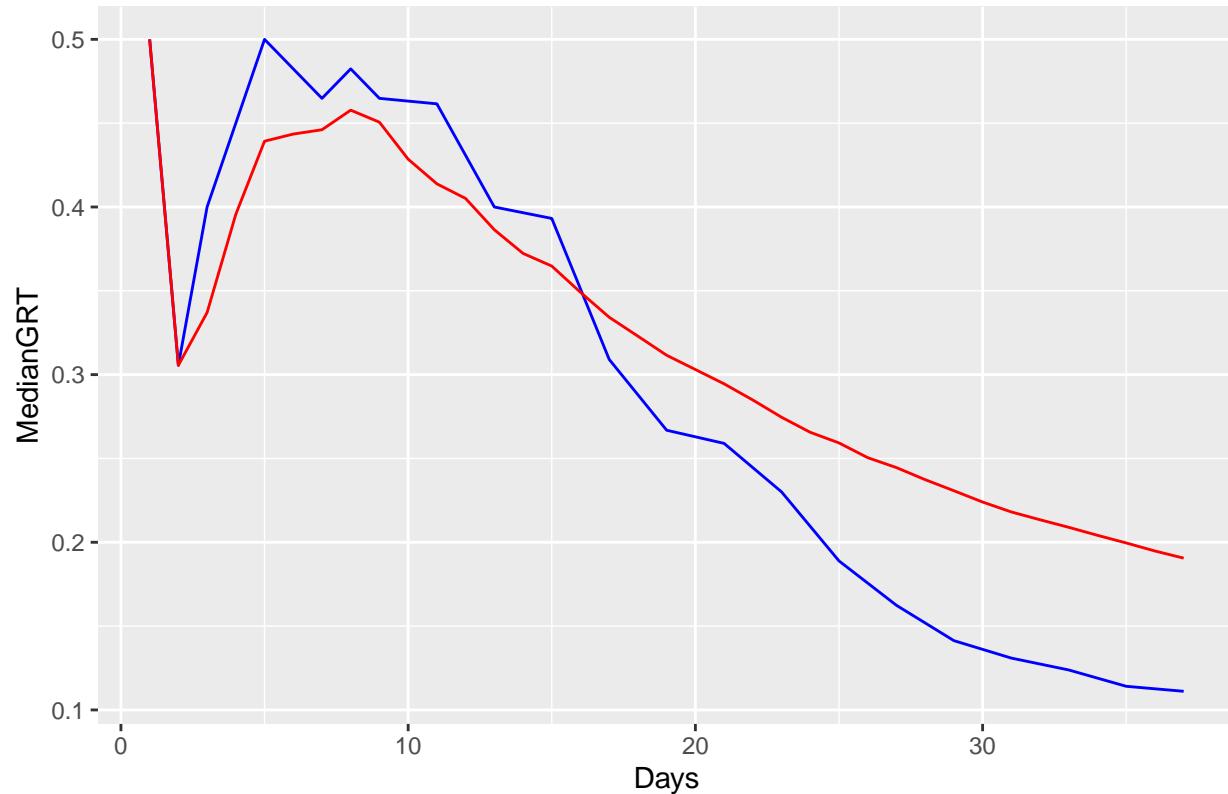
Arizona:newCases(Orange)



Arizona: TotalDeaths/TotalCases



Arizona Median(BLUE)VsMean(RED) Growth Rate

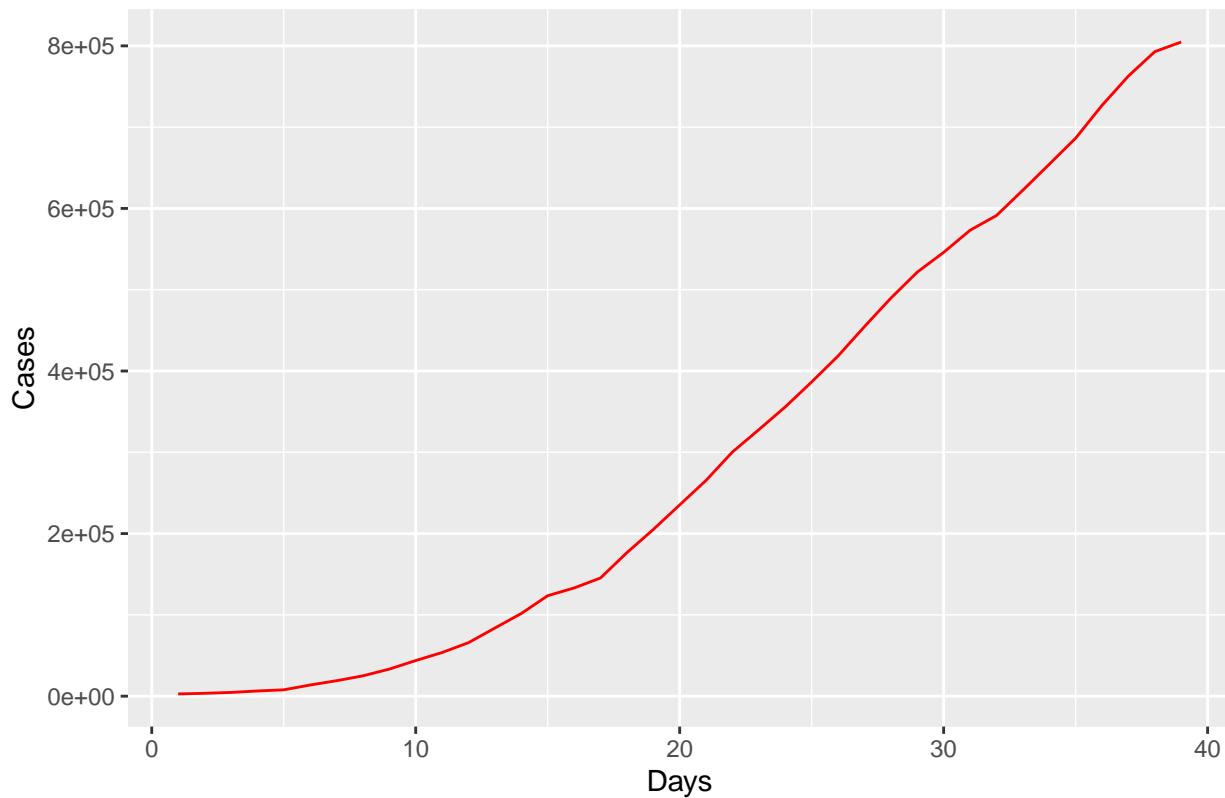


Results:

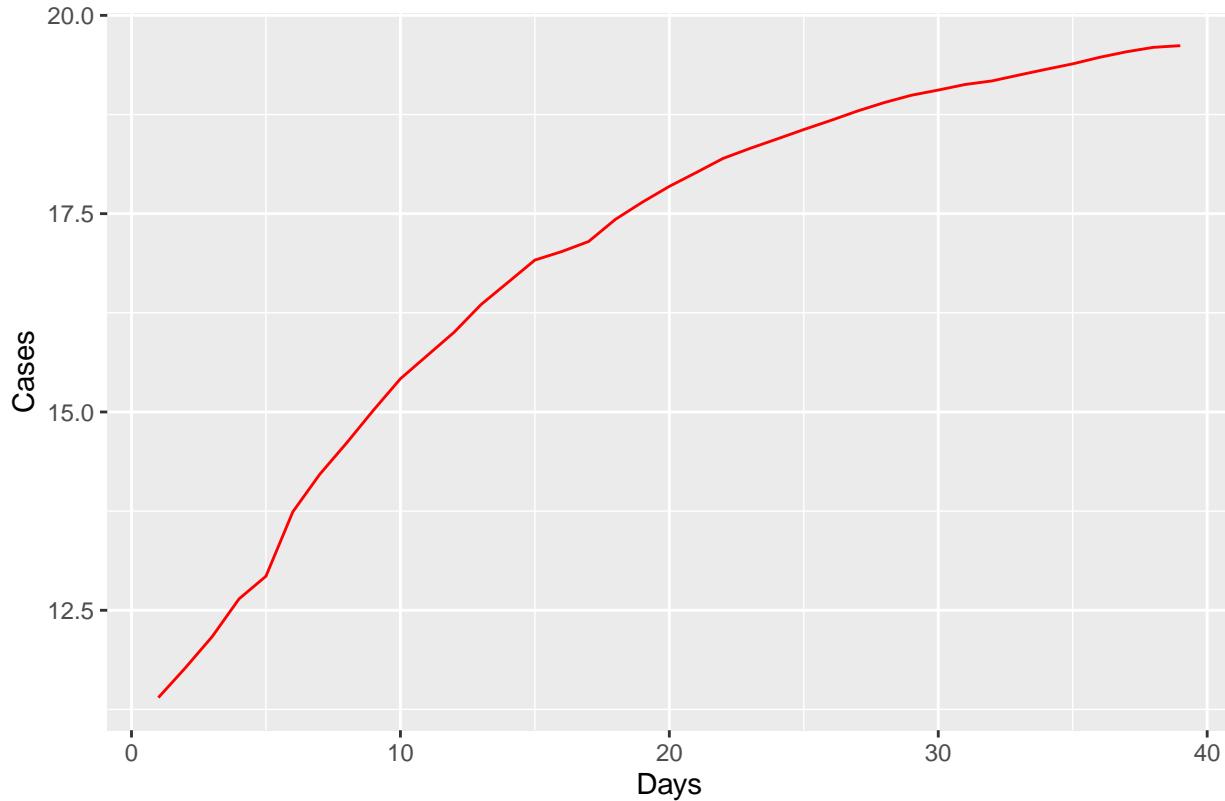
- Tomorrows predicted case number is between **5444.9054107** and **6251.5194521** cases.
- Current doubling rate is **19 days**
- Mean doubling rate, i.e number of cases doubles every **4 days**.
- Median doubling rate, i.e number of cases doubles every **6 days**.
- Latest Observed Growth Rate **3.692733** percent.
- Mean Growth Rate: **19.0538841** percent.
- Median Growth Rate: **11.111111** percent.
- Standard deviation: +/- **17.8459328**.

US Corona Dashboard

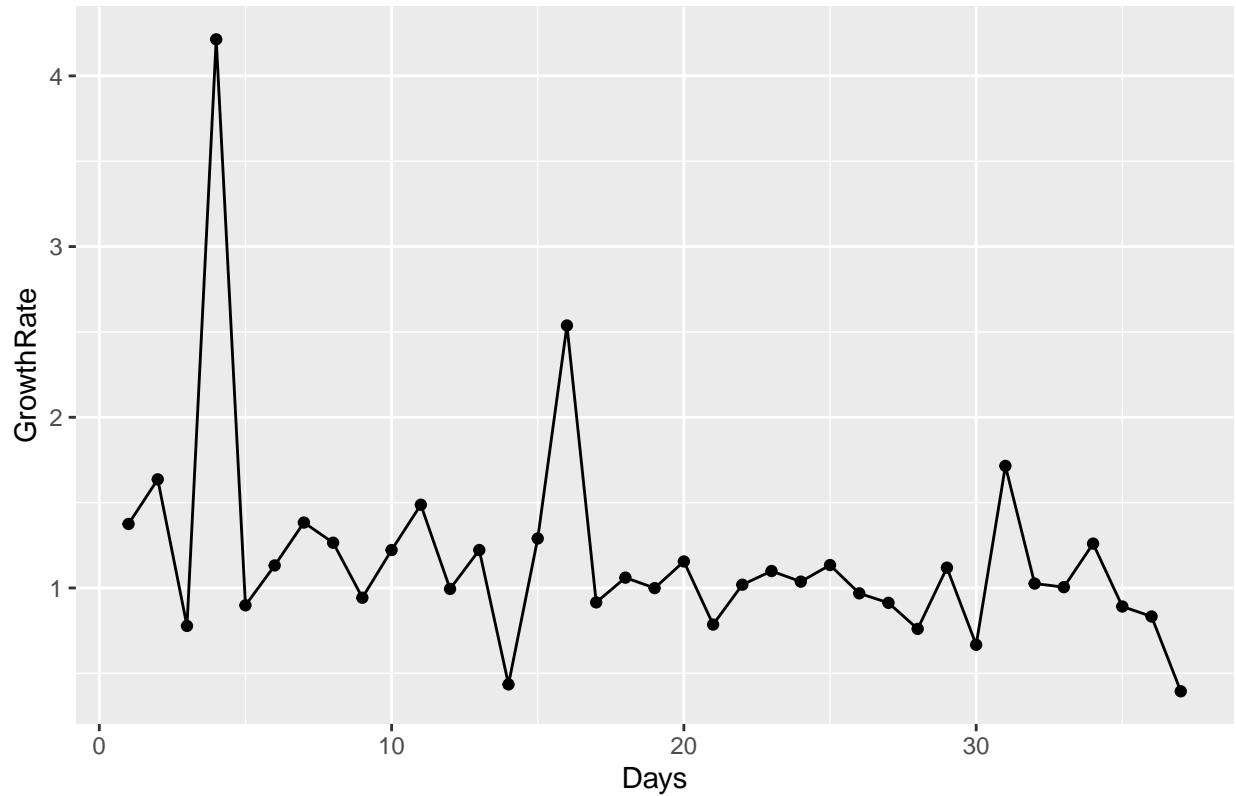
US: Daily Cases



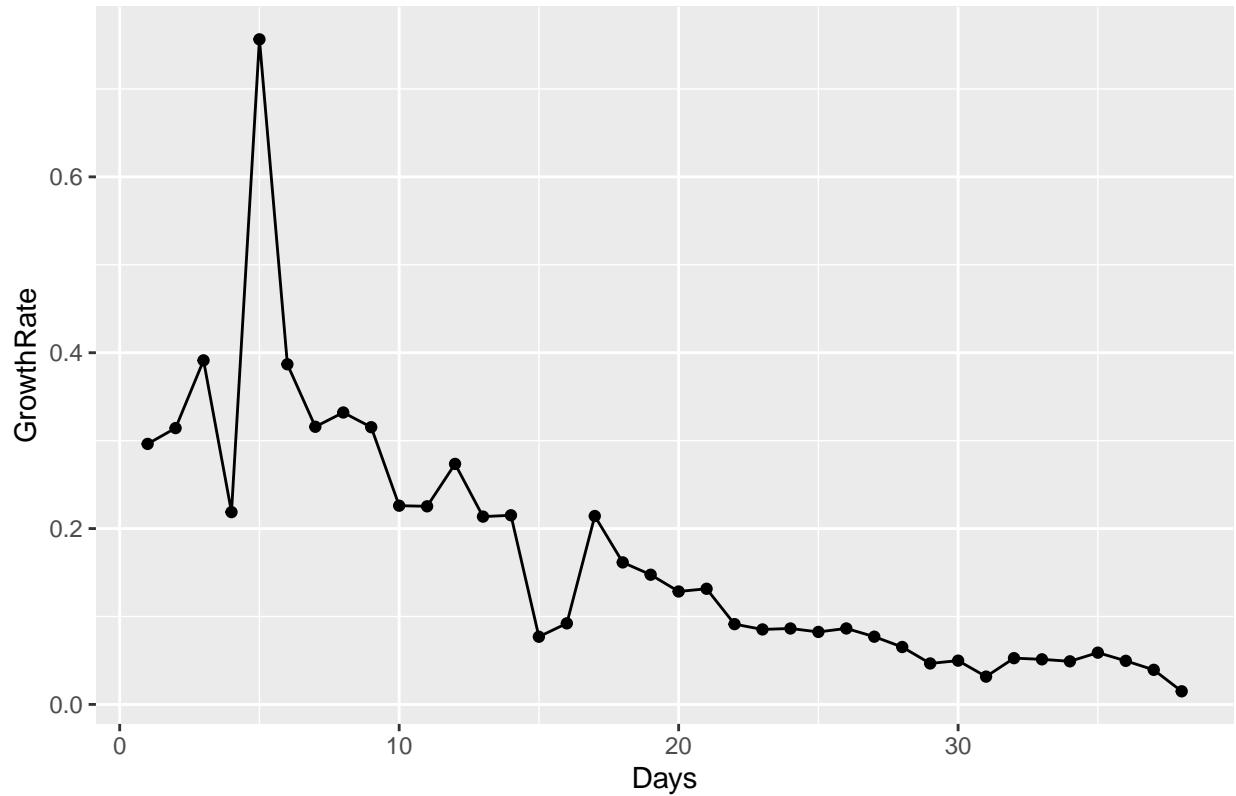
US: Daily Cases



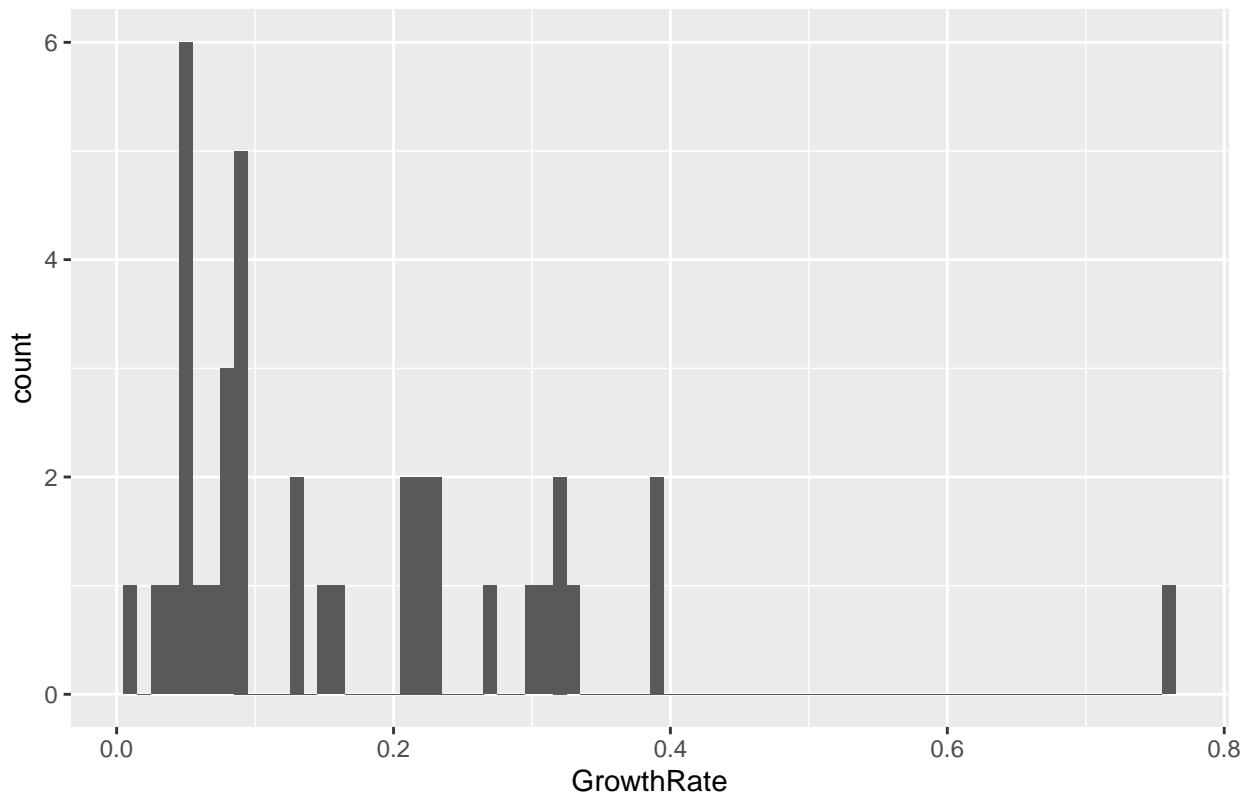
US: Rate of change in Growth Rate



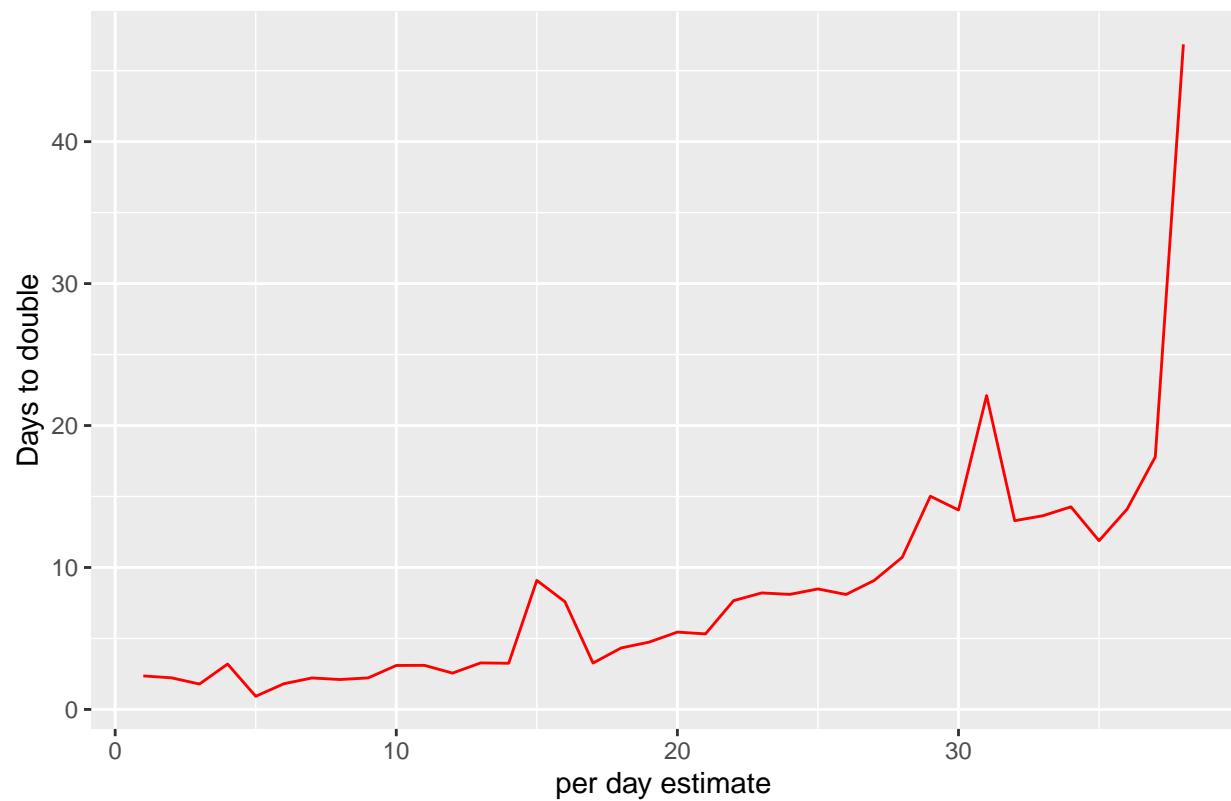
US: Growth Rate



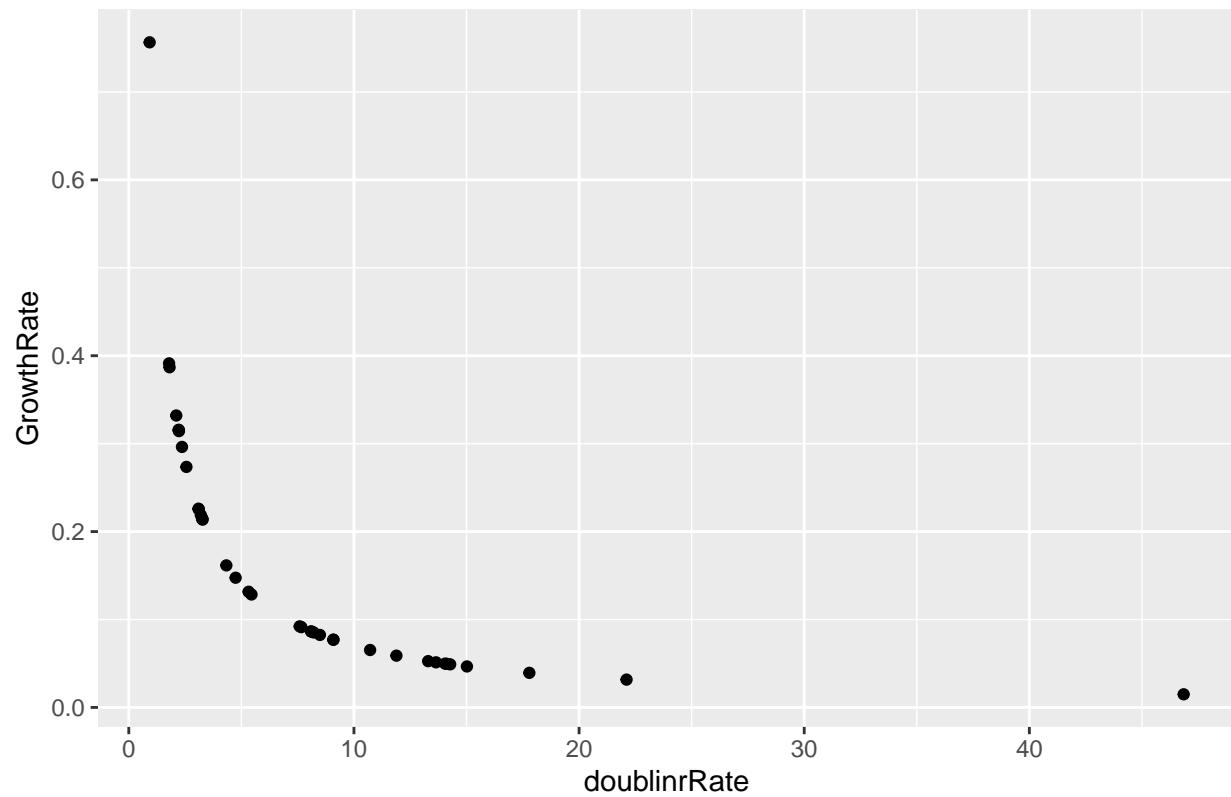
Histogram of GrowthRate



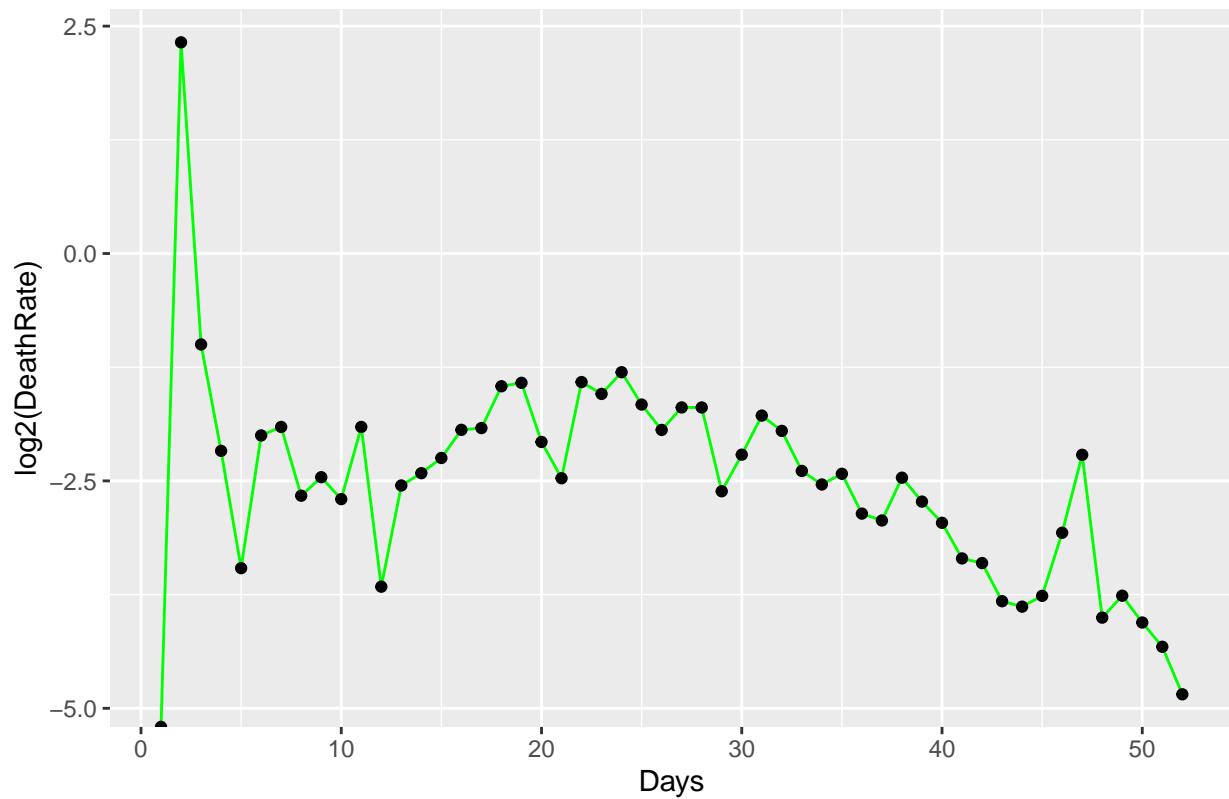
Doubling Rate in days



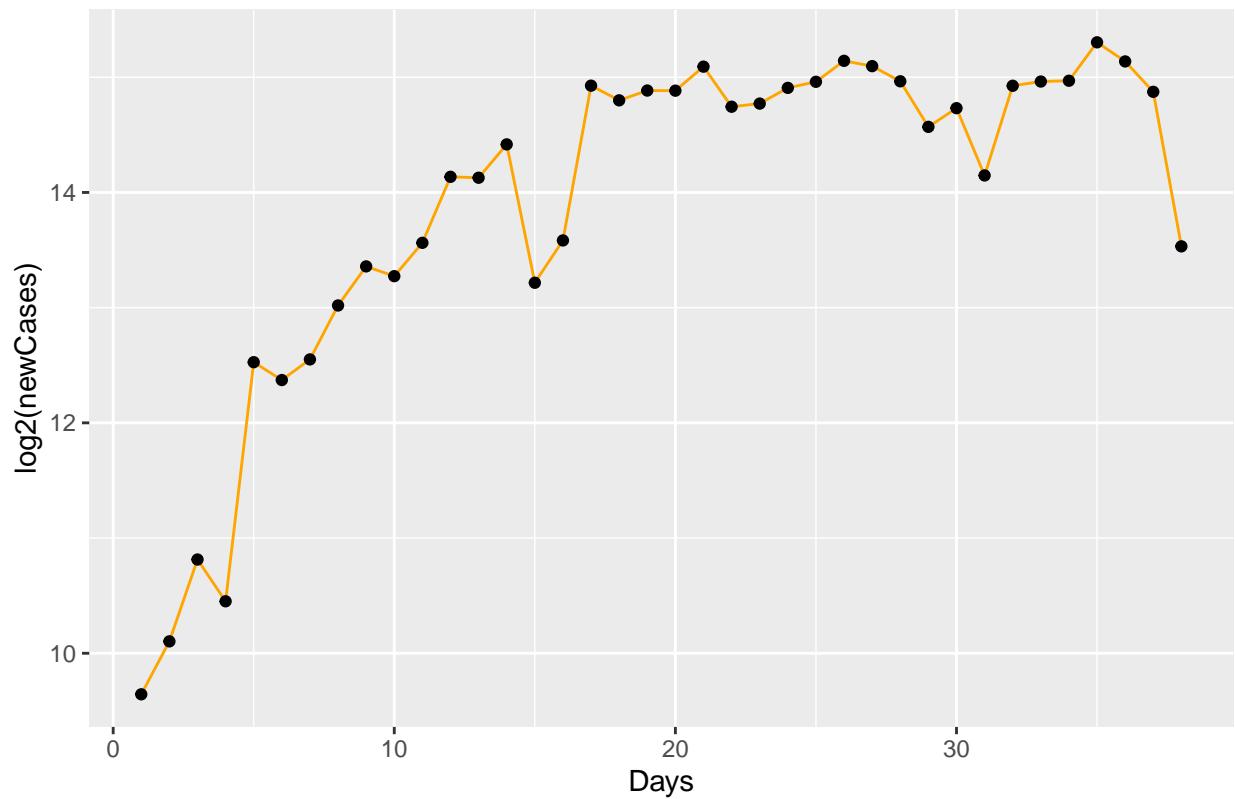
Doubling Rate vs Growth Rate



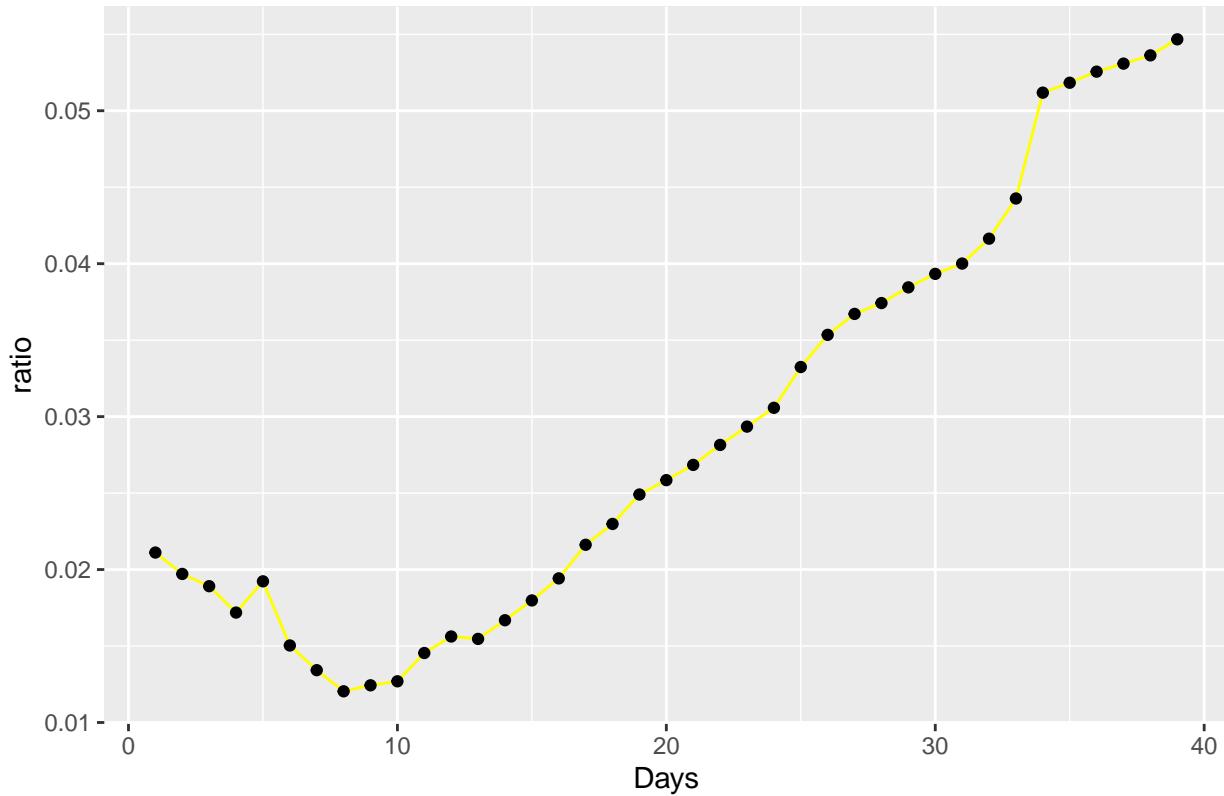
US: Daily Death Rate



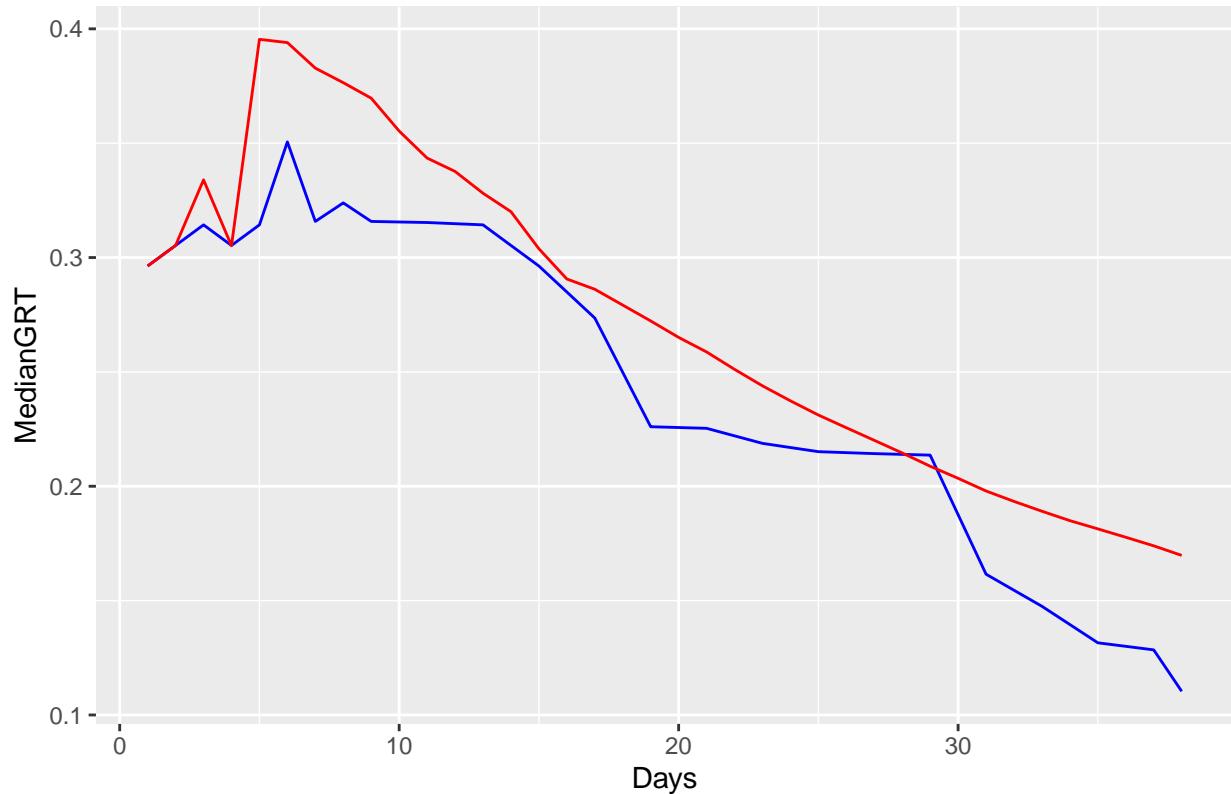
US:newCases(Orange)



US: TotalDeaths/TotalCases



US Median(BLUE)VsMean(RED) Growth Rate

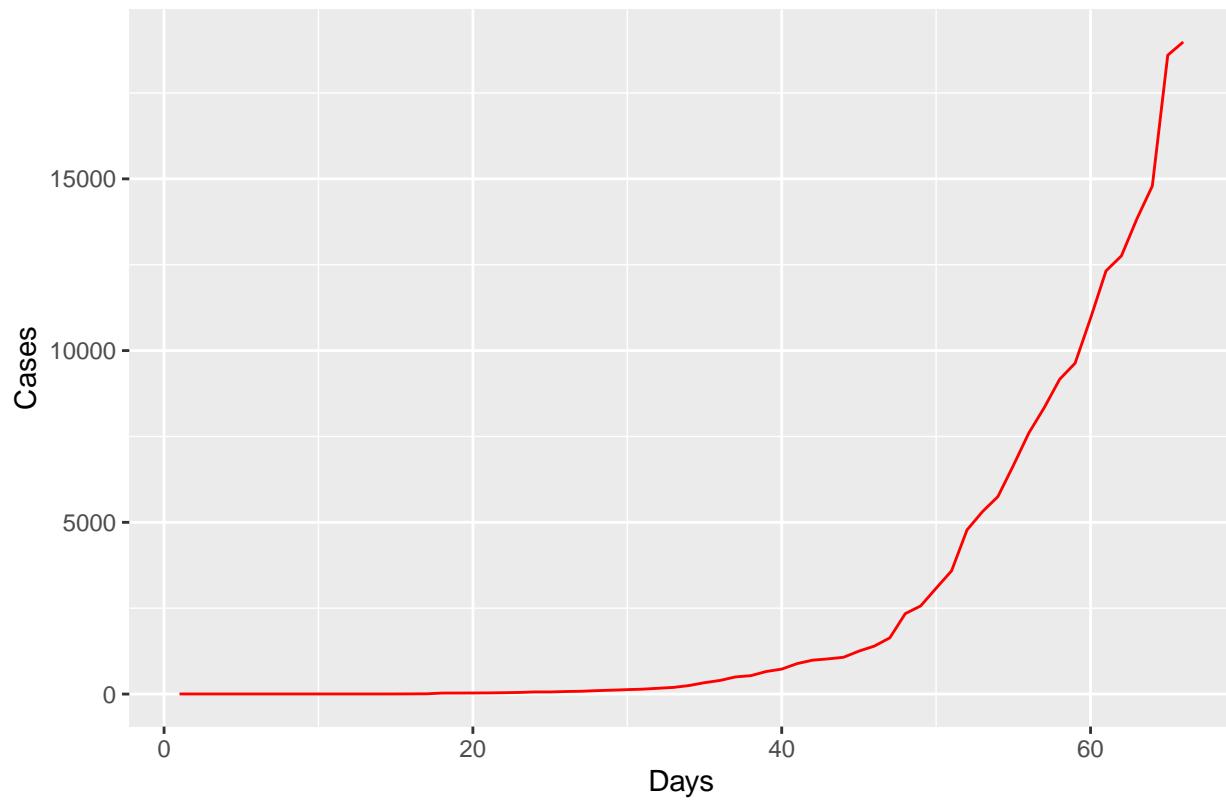


Results:

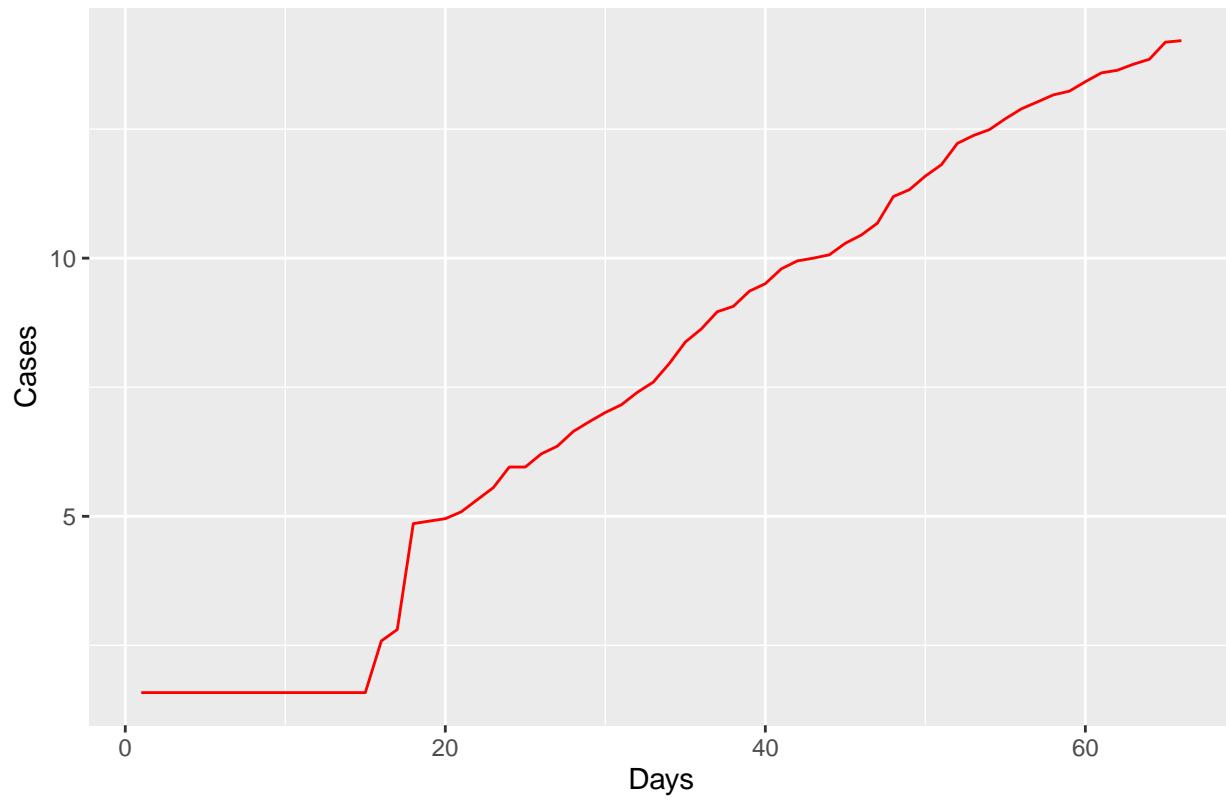
- Tomorrows predicted case number is between 8.1678198×10^5 and 9.4138444×10^5 cases.
- Current doubling rate is **47 days**
- Mean doubling rate, i.e number of cases doubles every **4 days**.
- Median doubling rate, i.e number of cases doubles every **6 days**.
- Latest Observed Growth Rate **1.4939848** percent.
- Mean Growth Rate: **16.9771875** percent.
- Median Growth Rate: **11.0345731** percent.
- Standard deviation: +/- **14.7300003**.

India Corona Dashboard

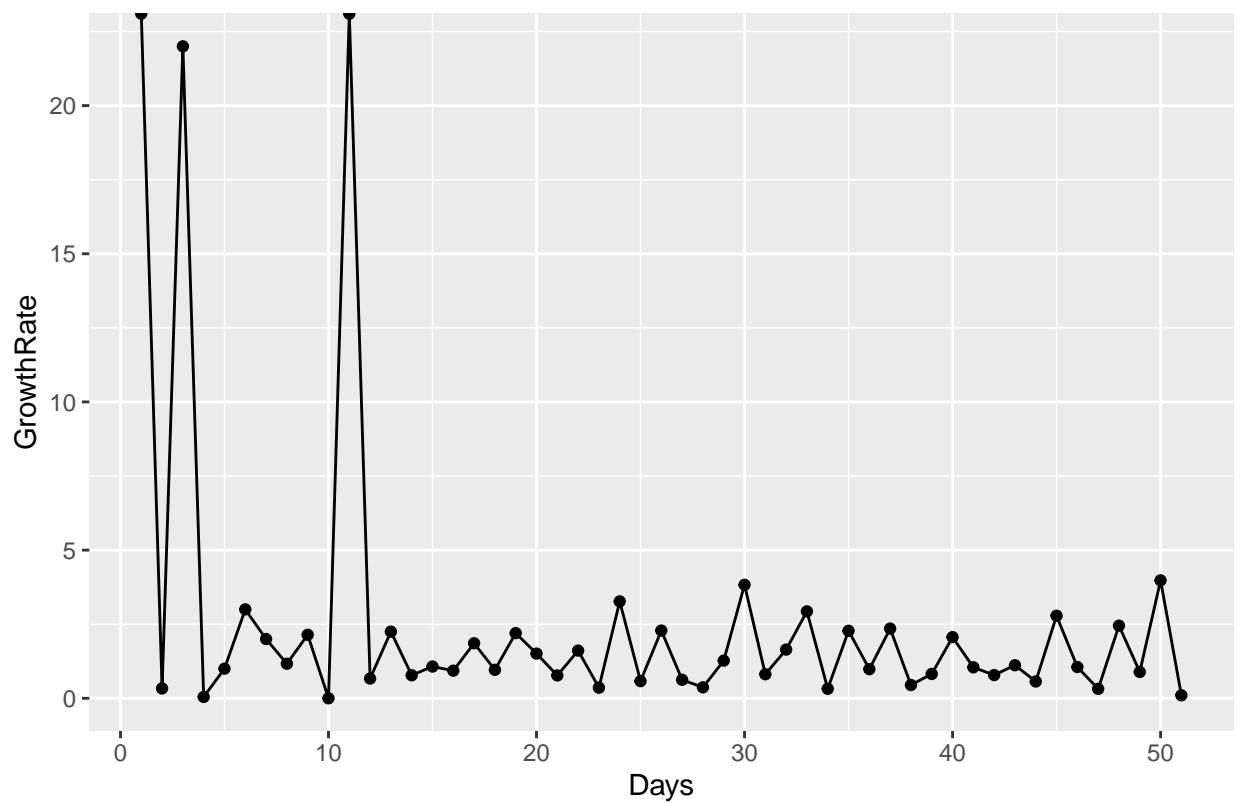
India: Daily Cases



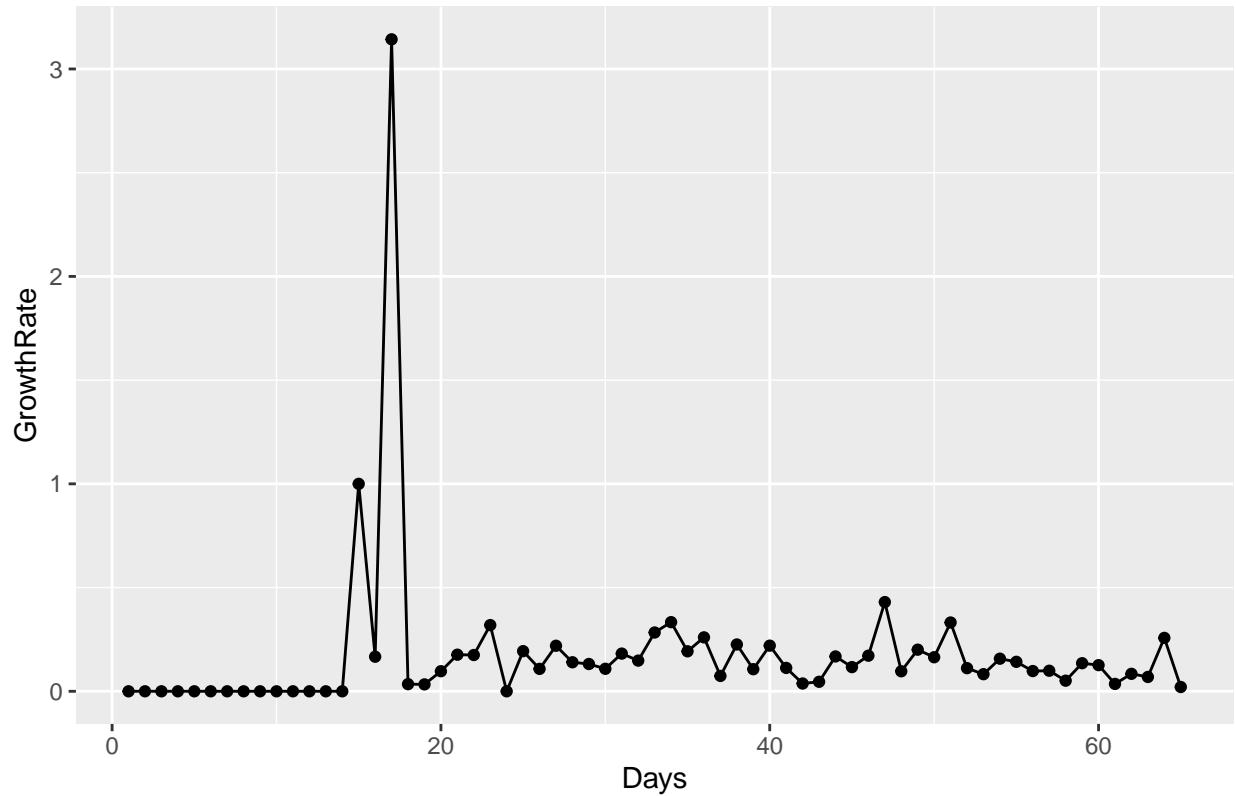
India: Daily Cases



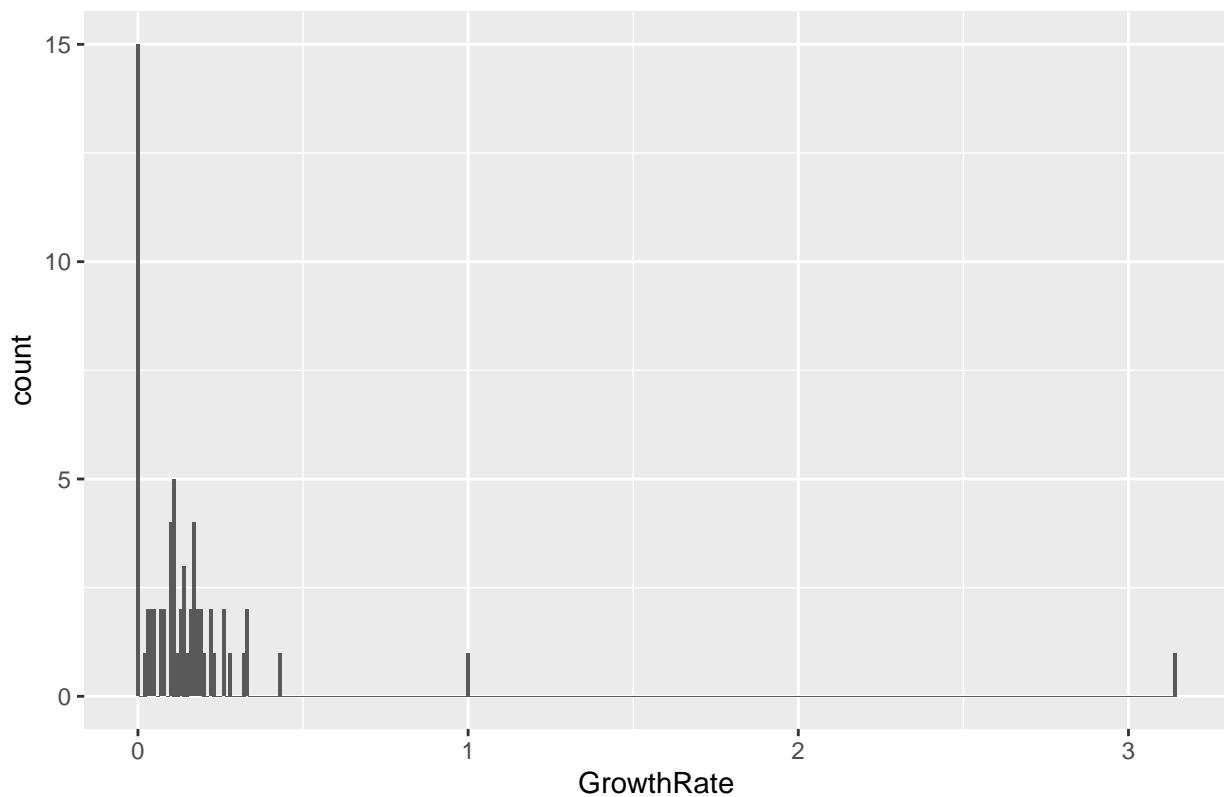
US: Rate of change in Growth Rate



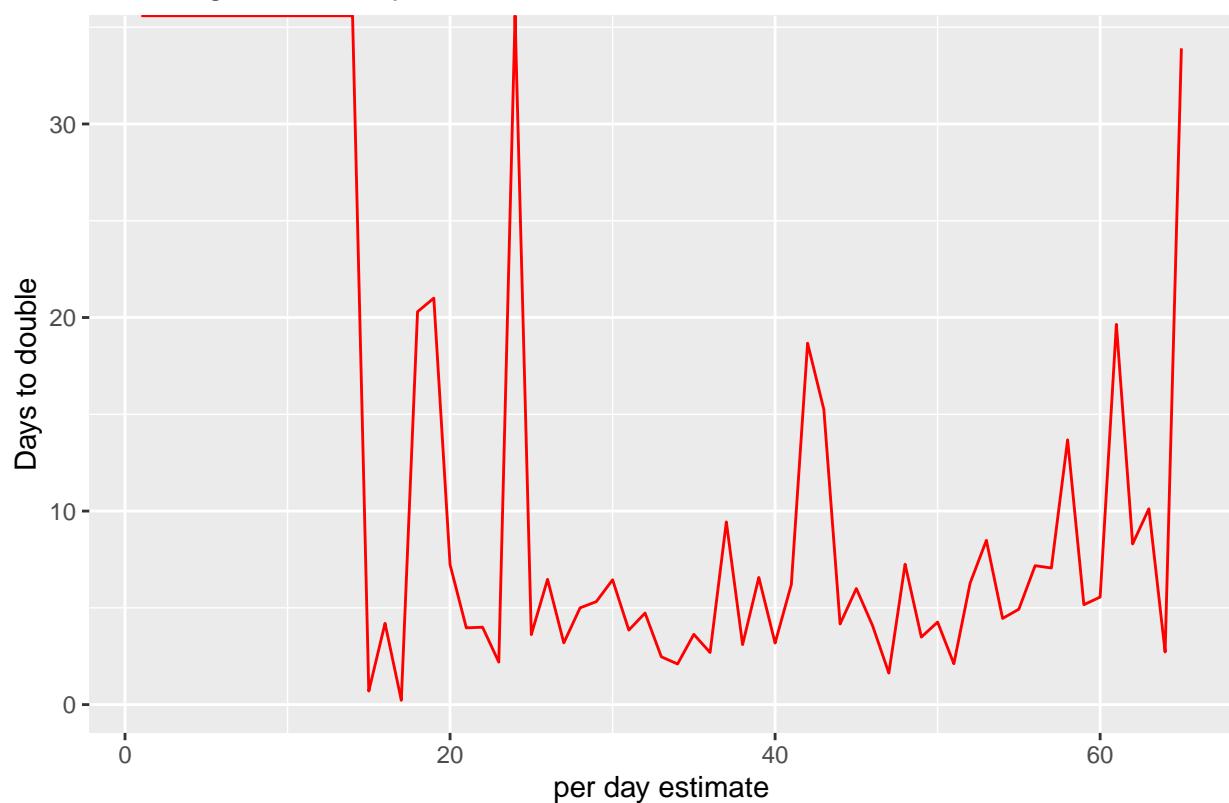
India: Growth Rate



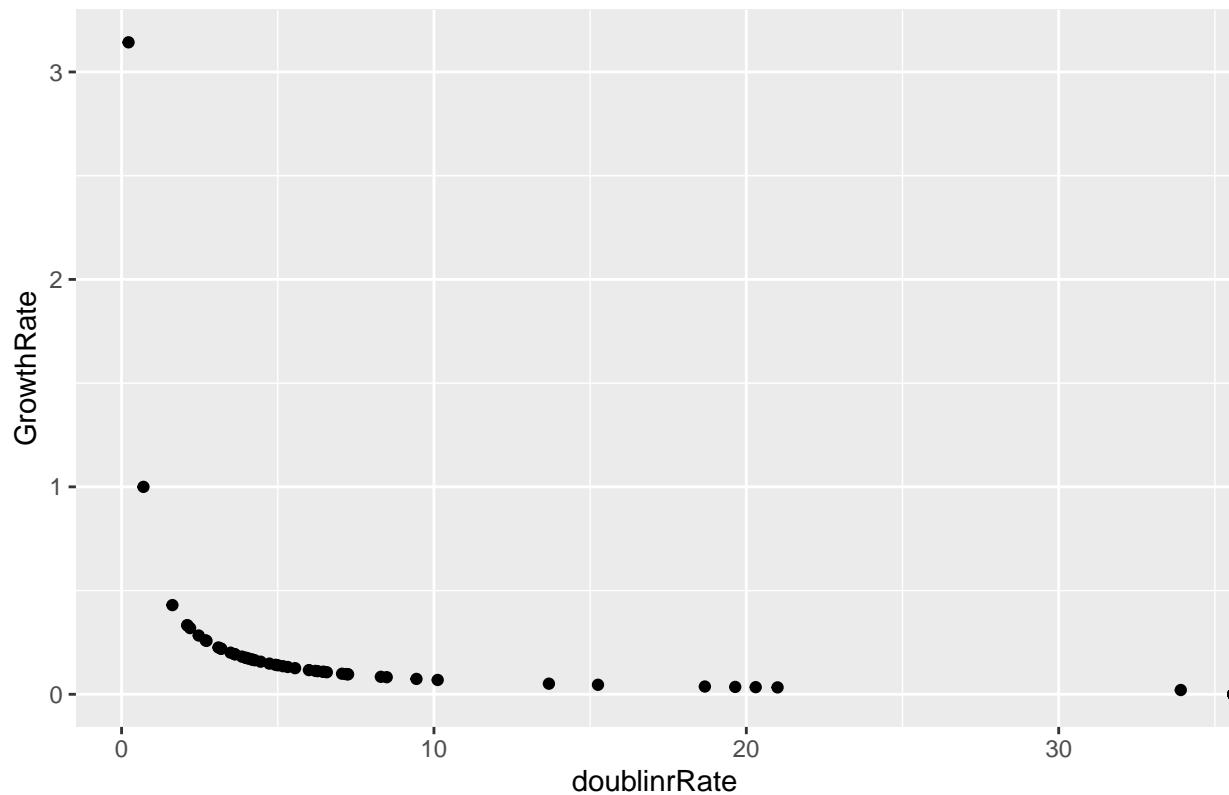
Histogram of GrowthRate



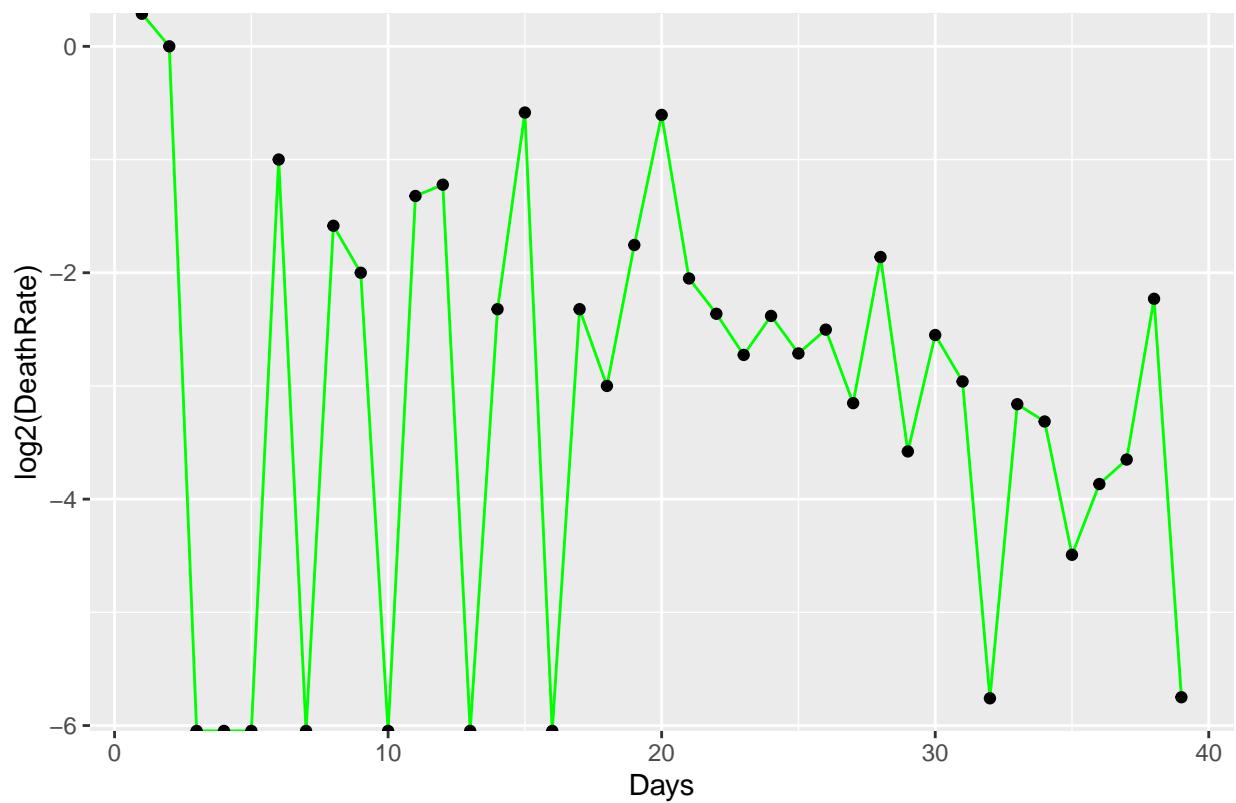
Doubling Rate in days



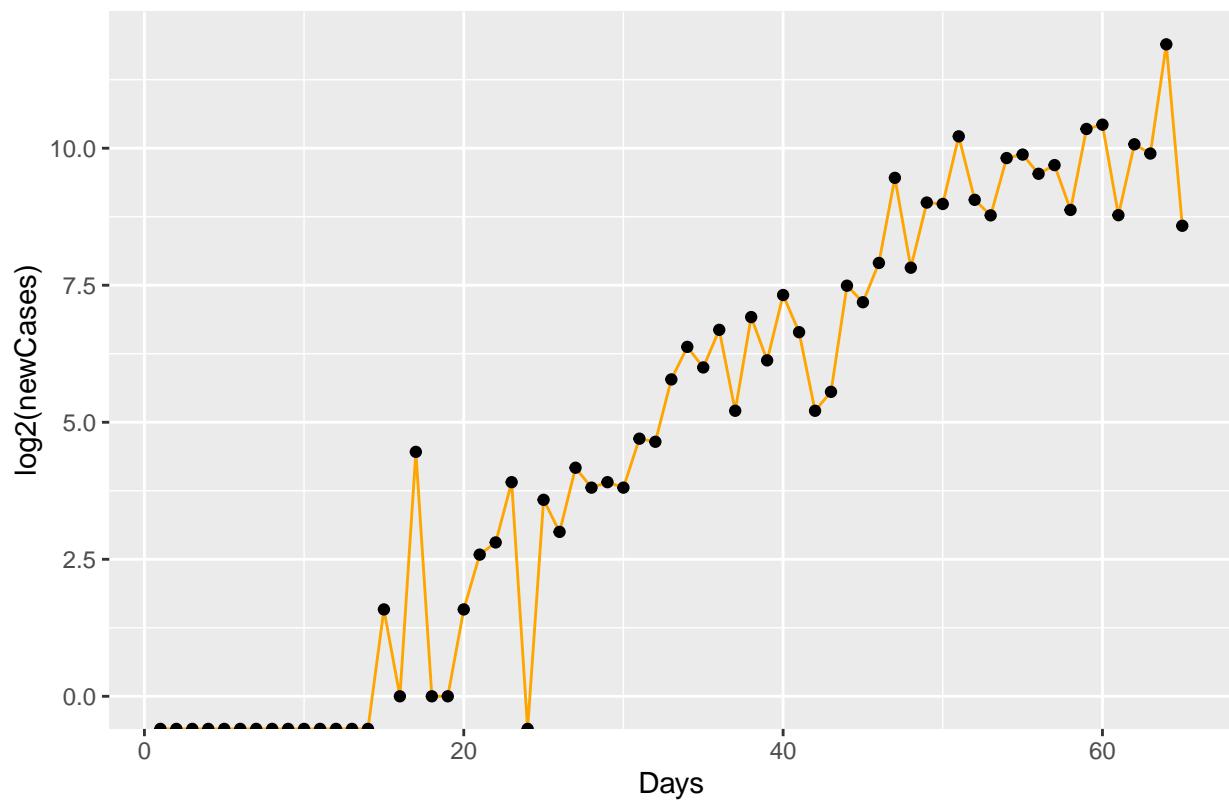
Doubling Rate vs Growth Rate



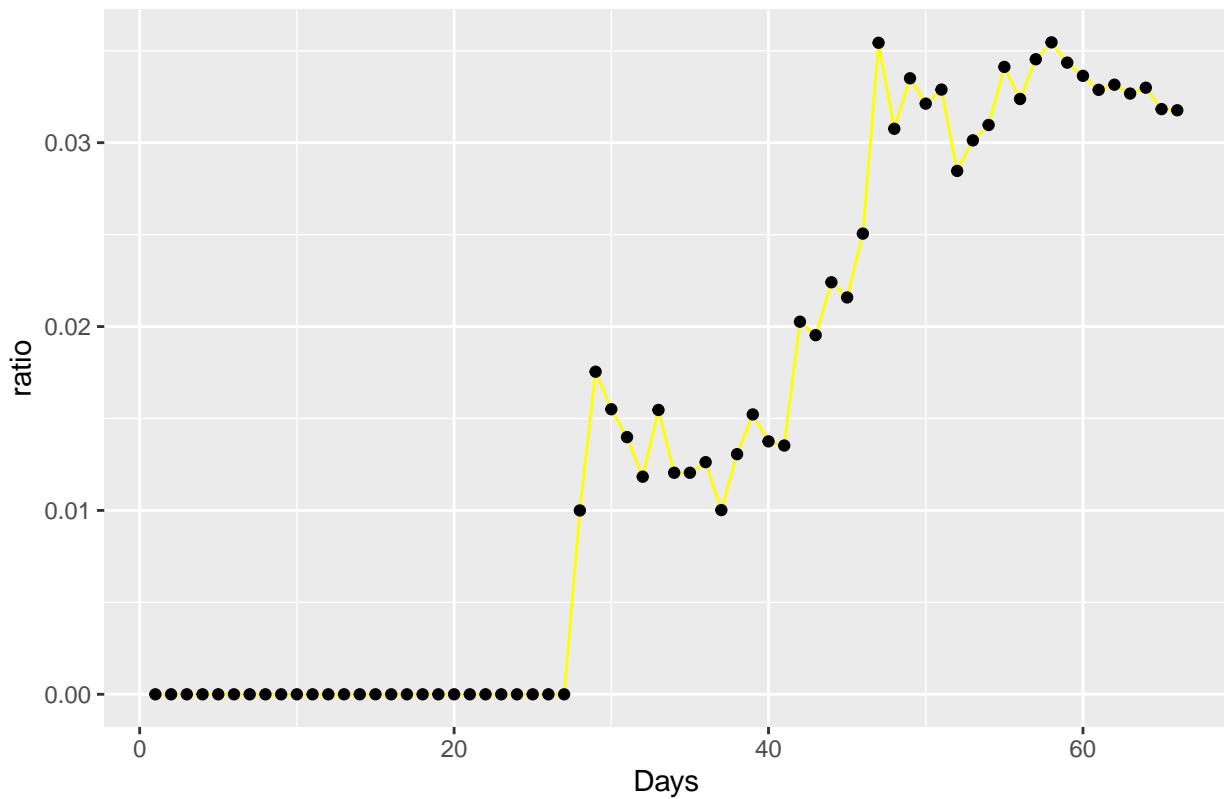
India: Daily Death Rate



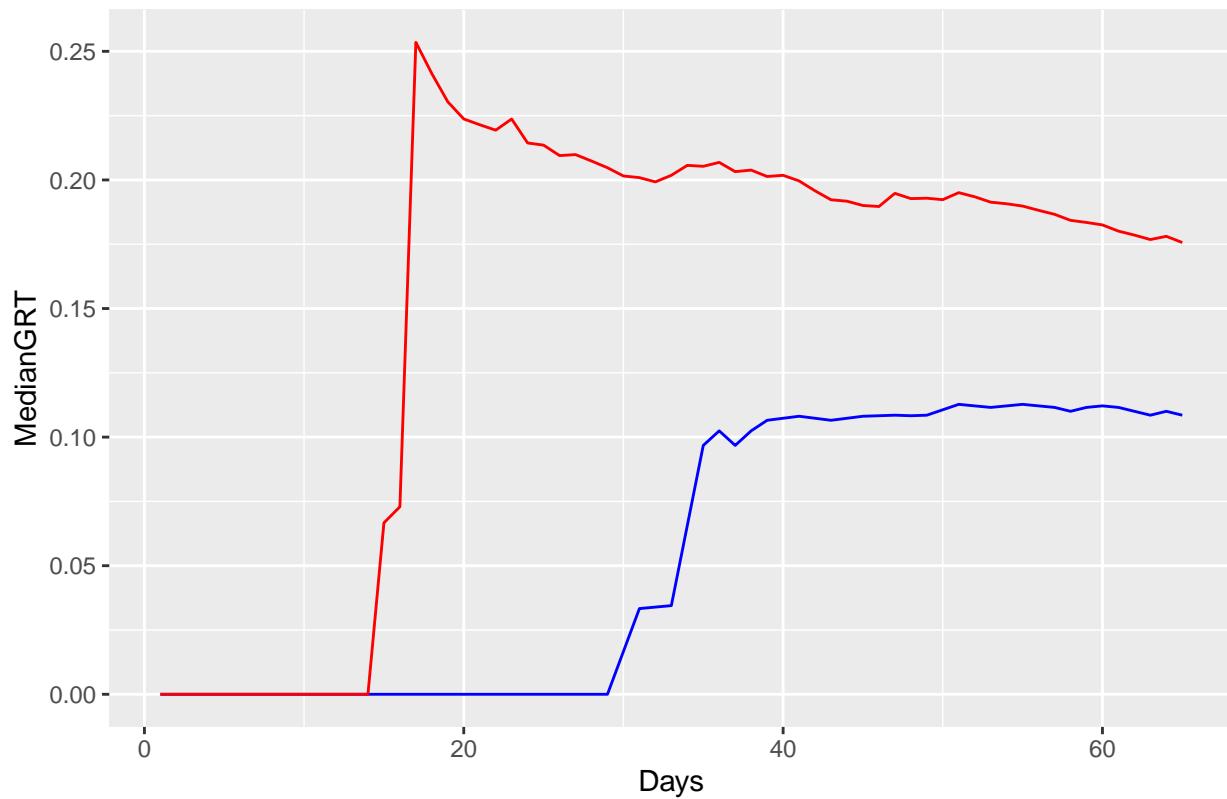
India:newCases(Orange)



India: TotalDeaths/TotalCases



India Median(BLUE)VsMean(RED) Growth Rate



Results:

- Tomorrows predicted case number is between 1.9376927×10^4 and 2.2319873×10^4 cases.
- Current doubling rate is **34 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 **2.0644051** percent.
- Mean Growth Rate: **17.5658318** percent.
- Median Growth Rate: **10.8527132** percent.
- Standard deviation: +/- **40.2100851**.