

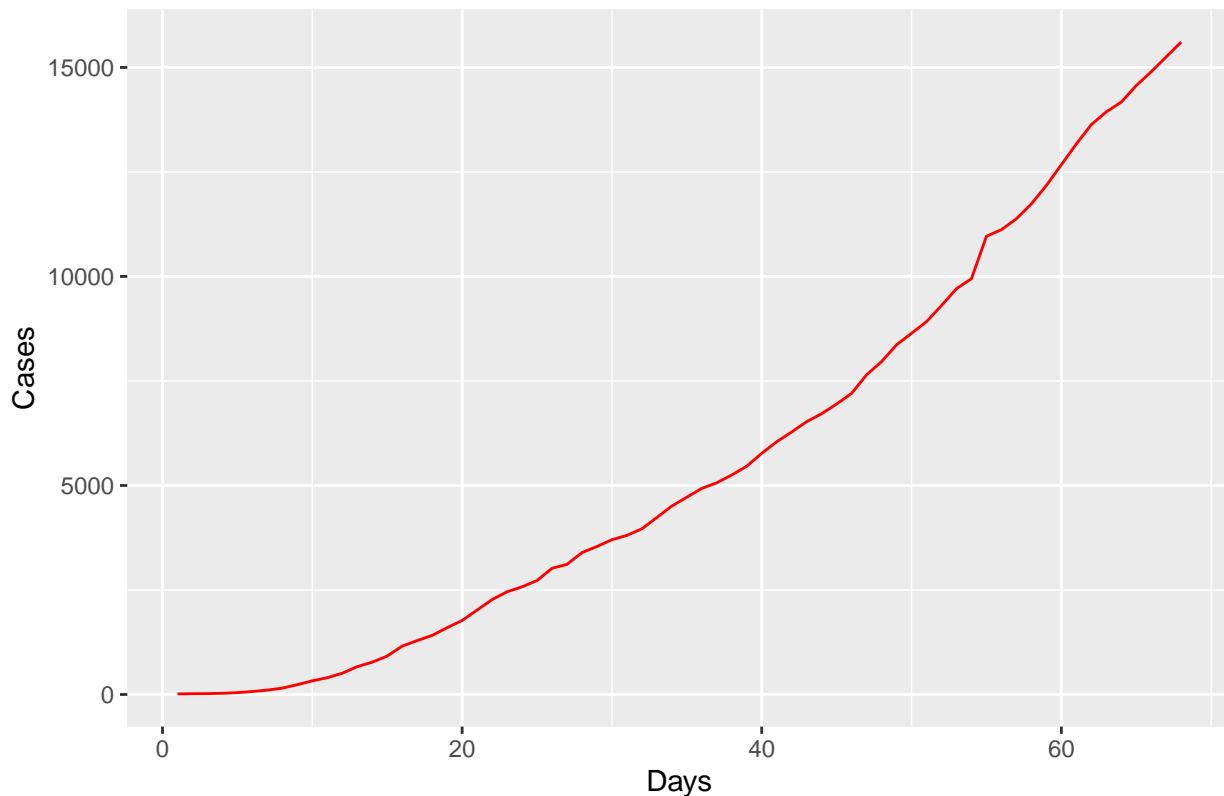
Arizona/US/India Corona Trends- 13th May 2020 with tomorrow's prediction

Whitchurch Muthumani

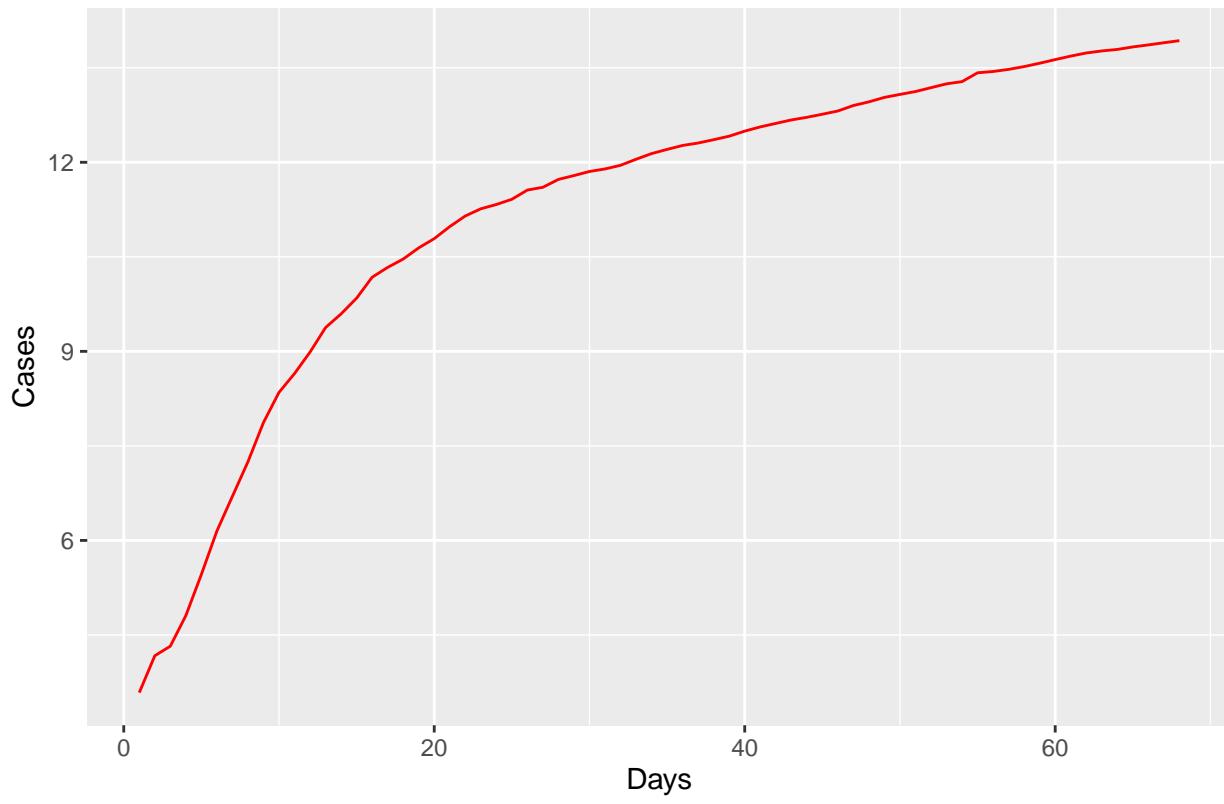
5/13/2020

Arizona Corona Dashboard

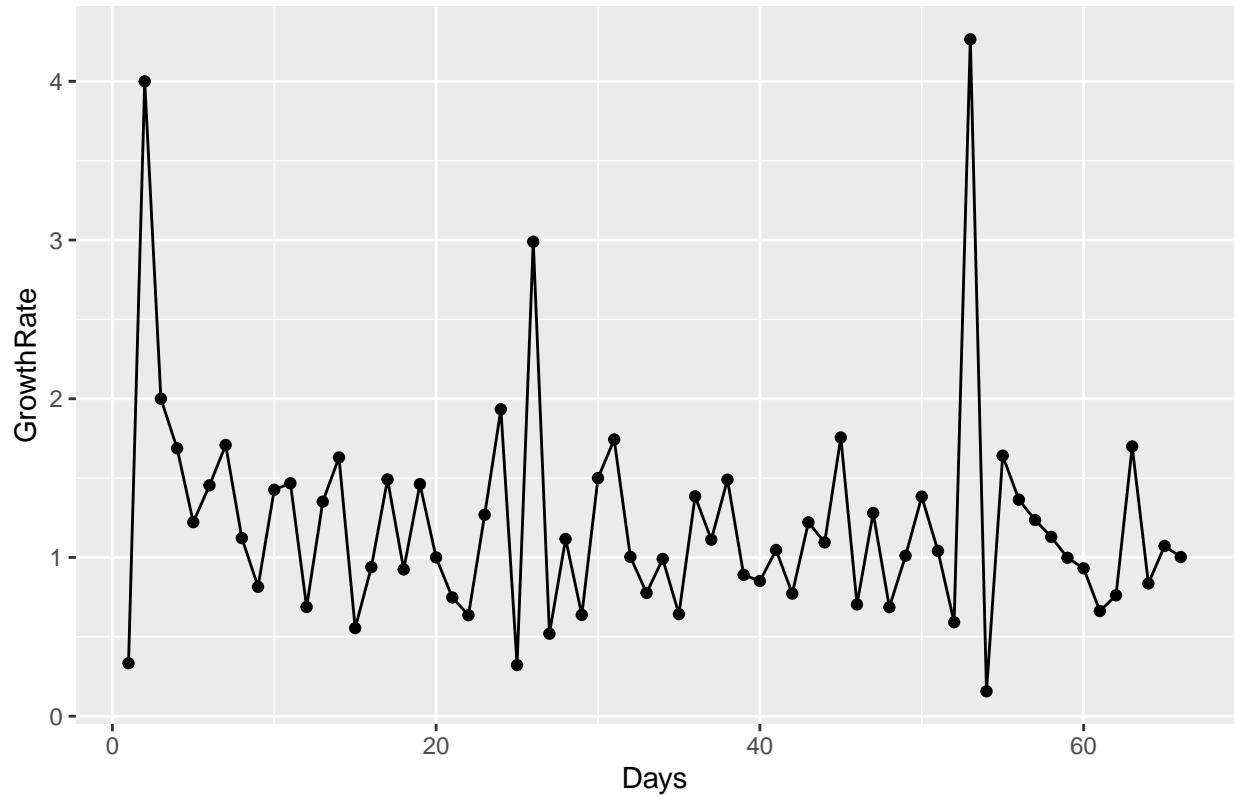
Arizona: Daily Cases



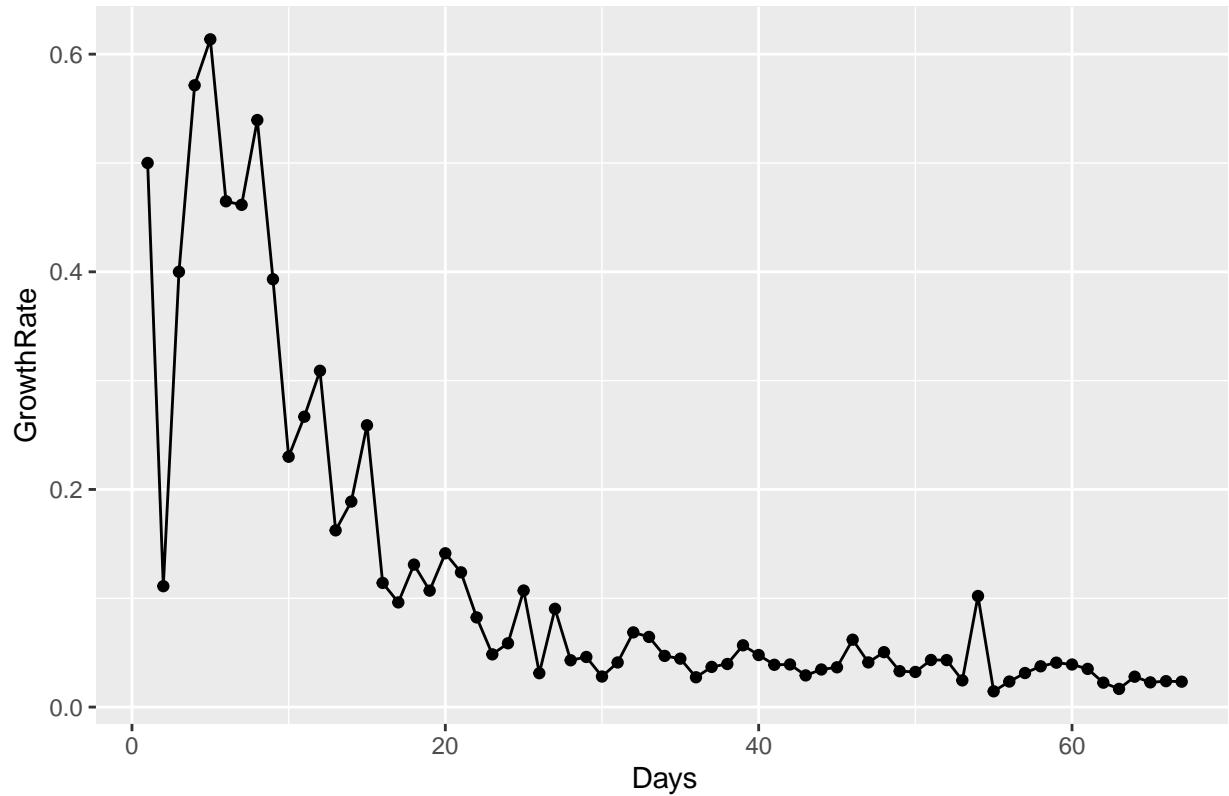
Arizona: Daily Cases



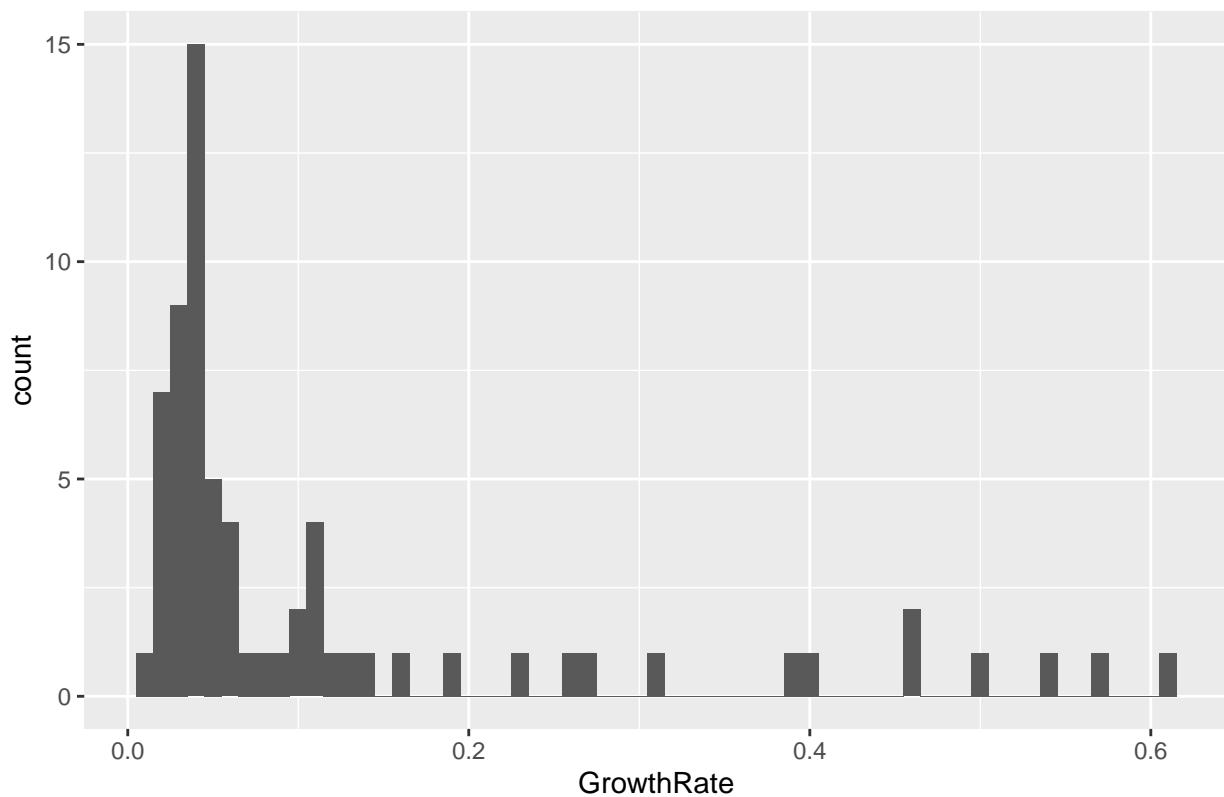
Arizona: Rate of change in Growth Rate



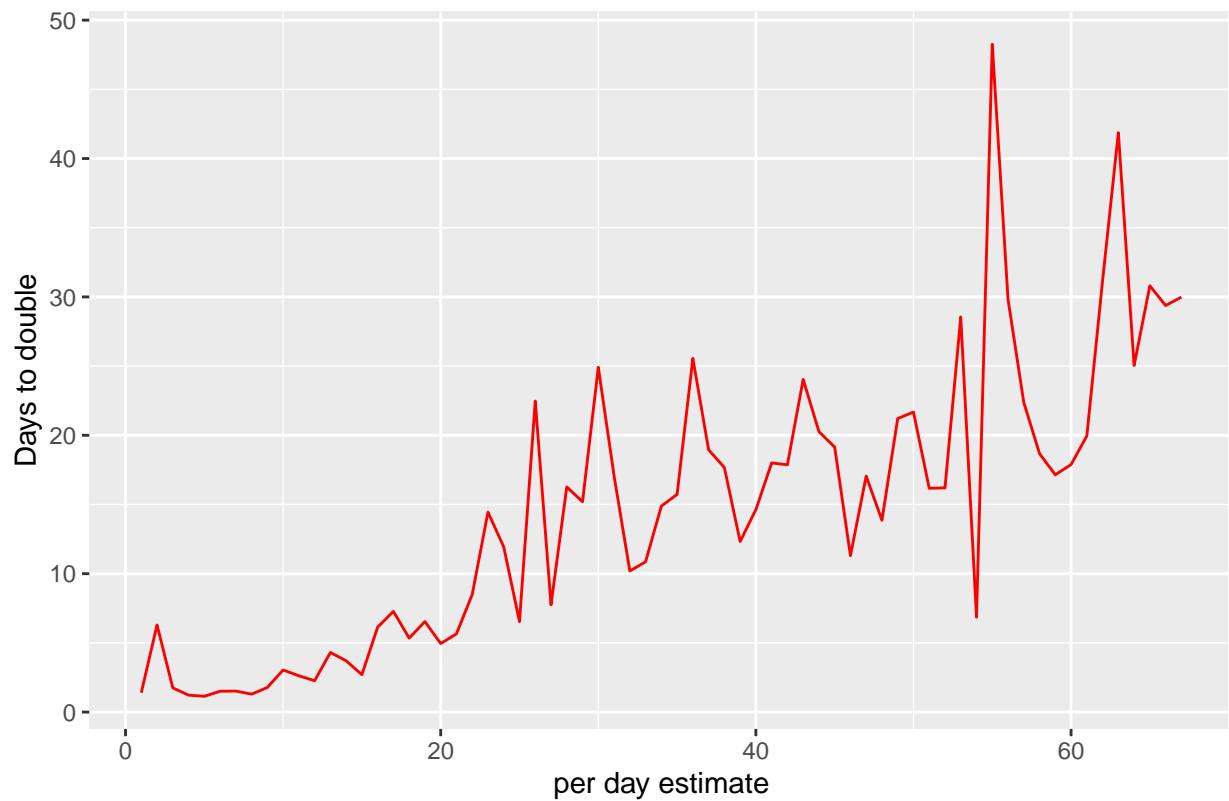
Arizona: Growth Rate



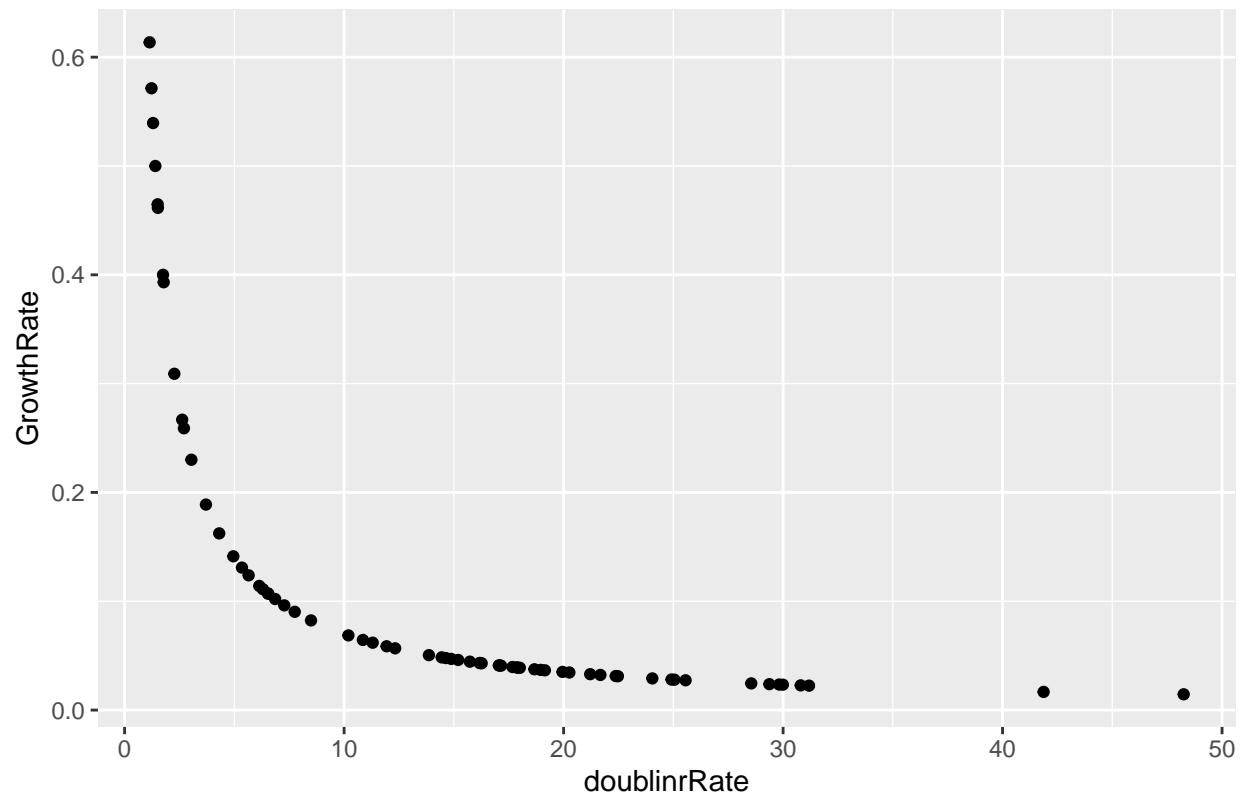
Histogram of GrowthRate



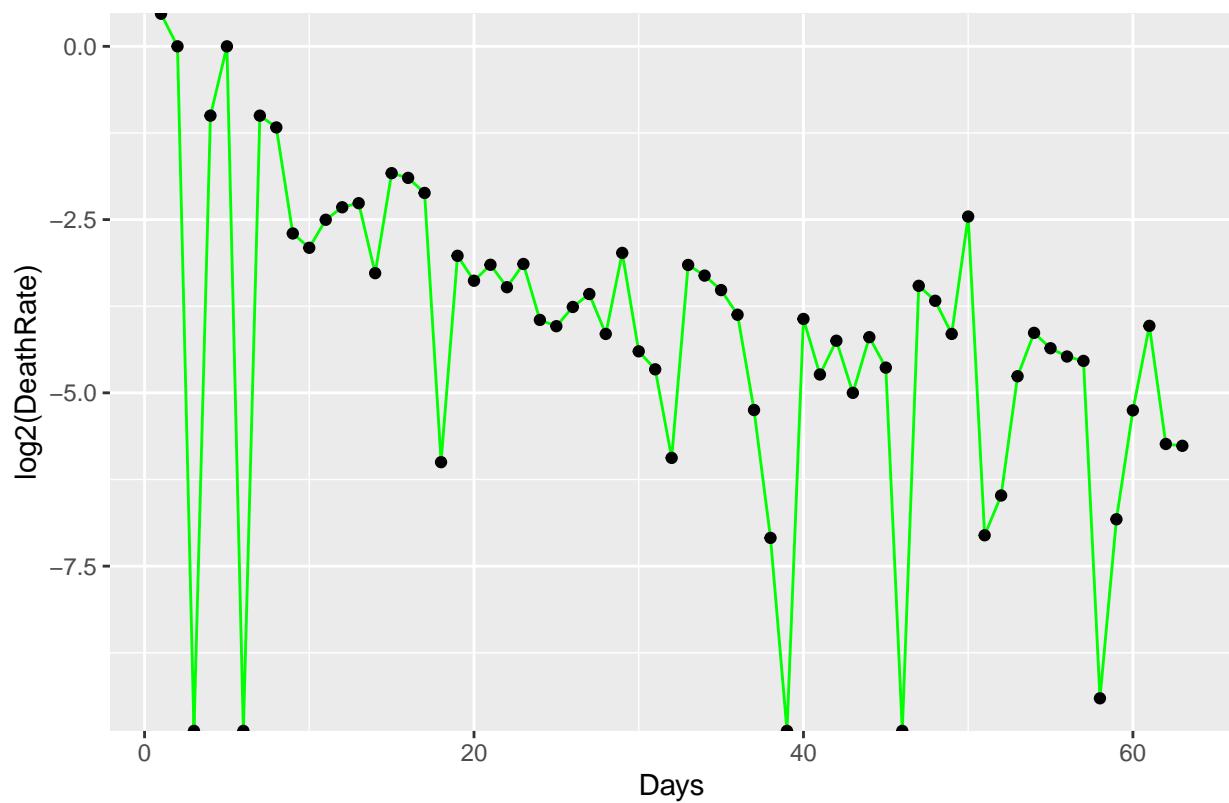
Doubling Rate in days



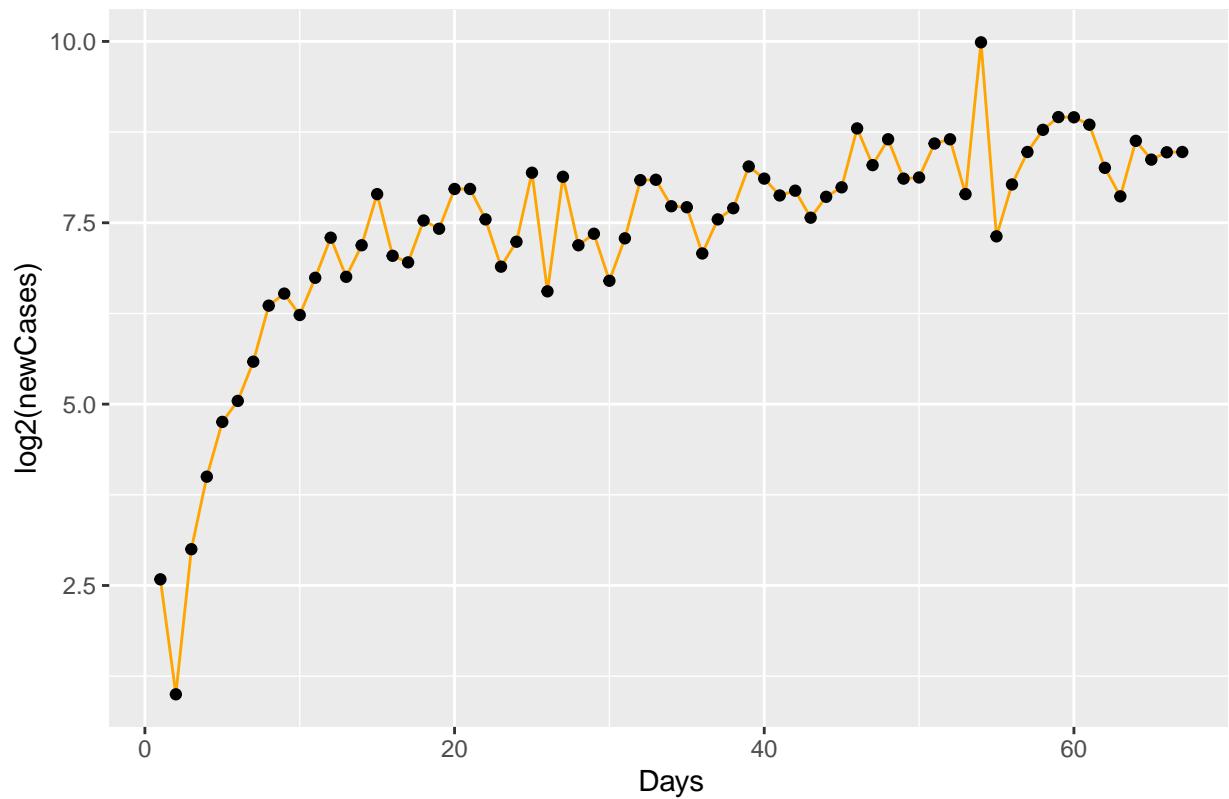
Doubling Rate vs Growth Rate



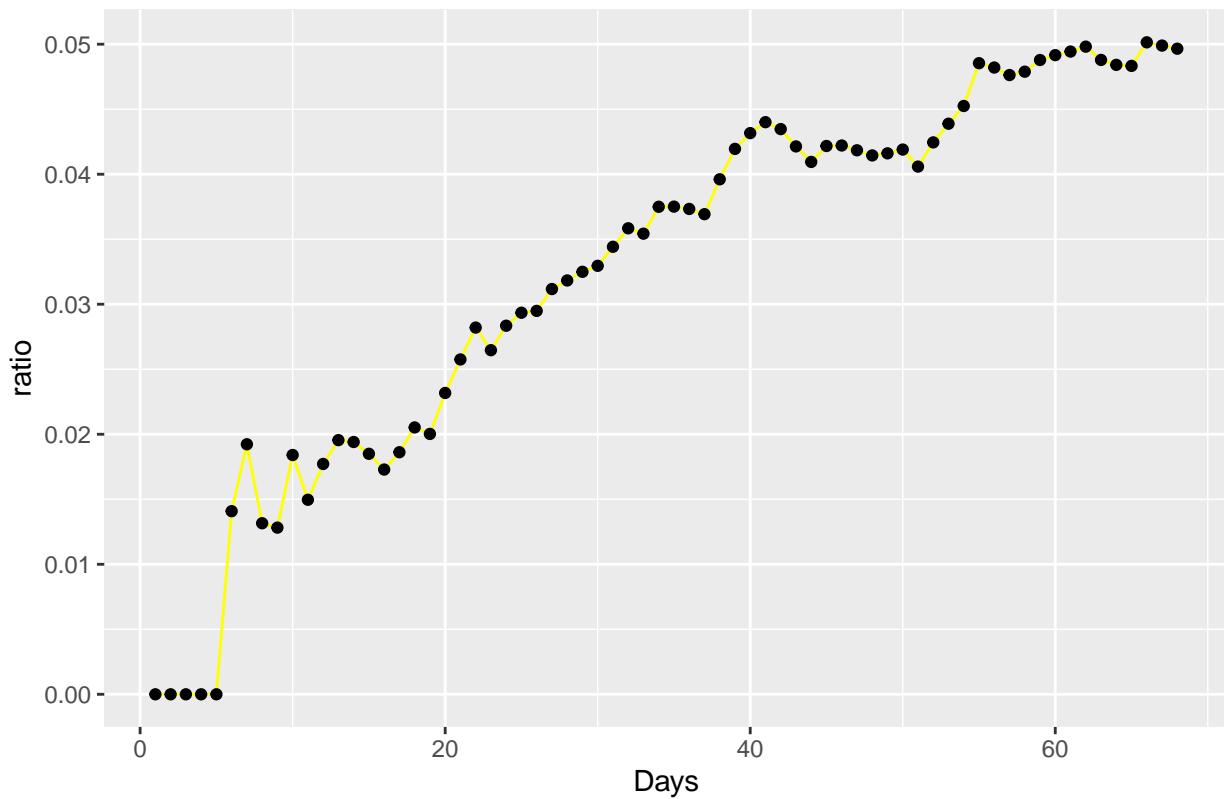
Arizona: Daily Death Rate



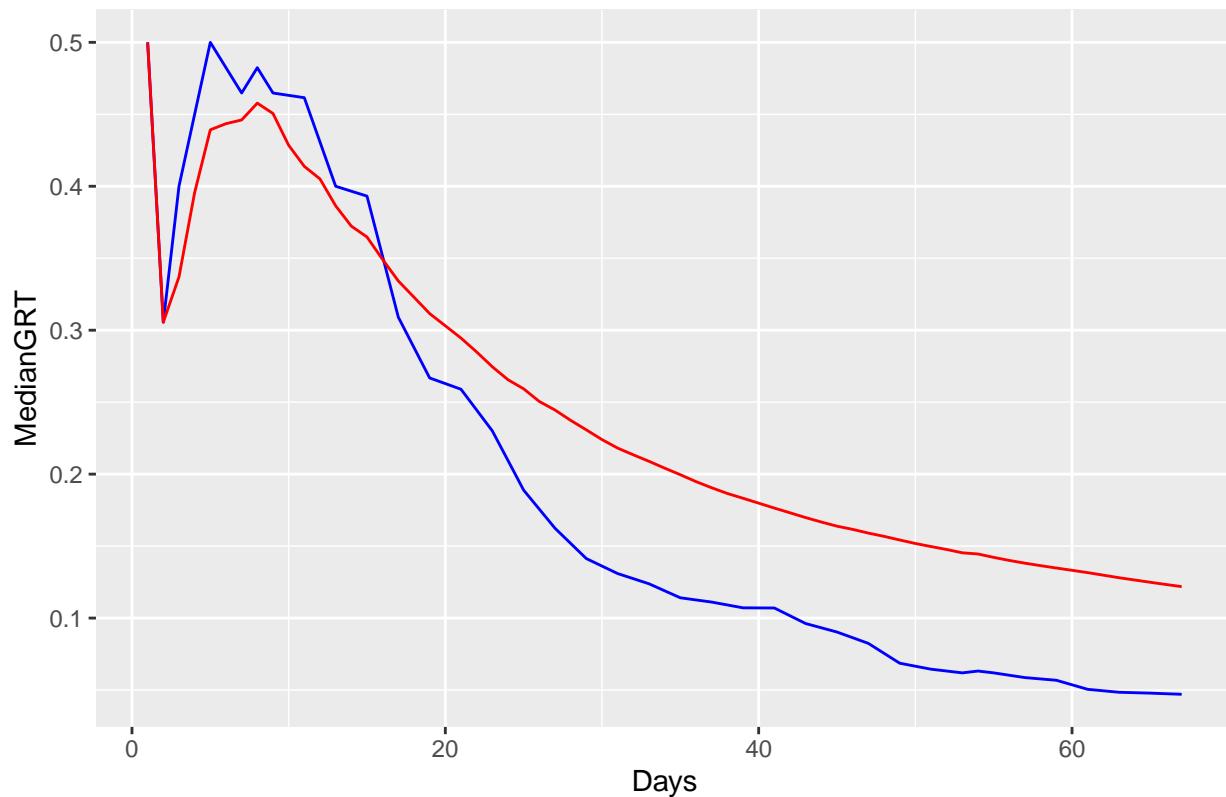
Arizona:newCases(Orange)



Arizona: TotalDeaths/TotalCases



Arizona Median(BLUE)VsMean(RED) Growth Rate

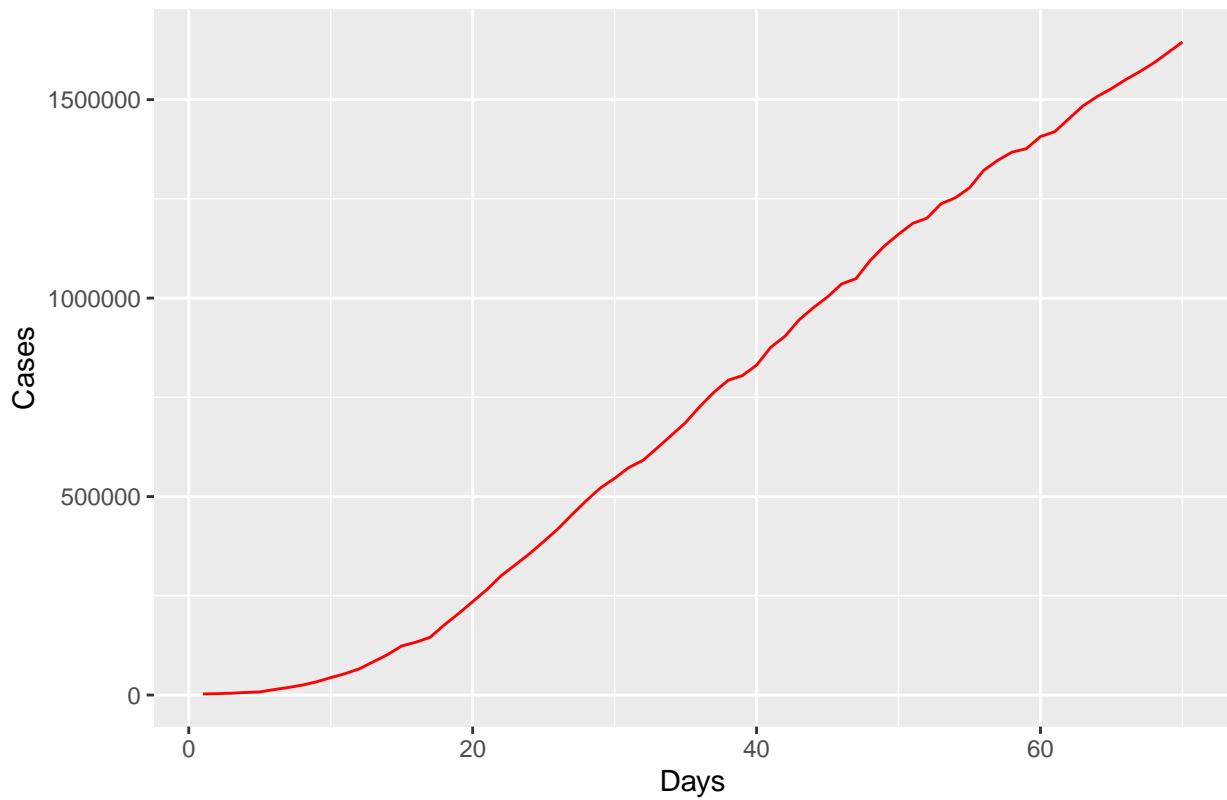


Results:

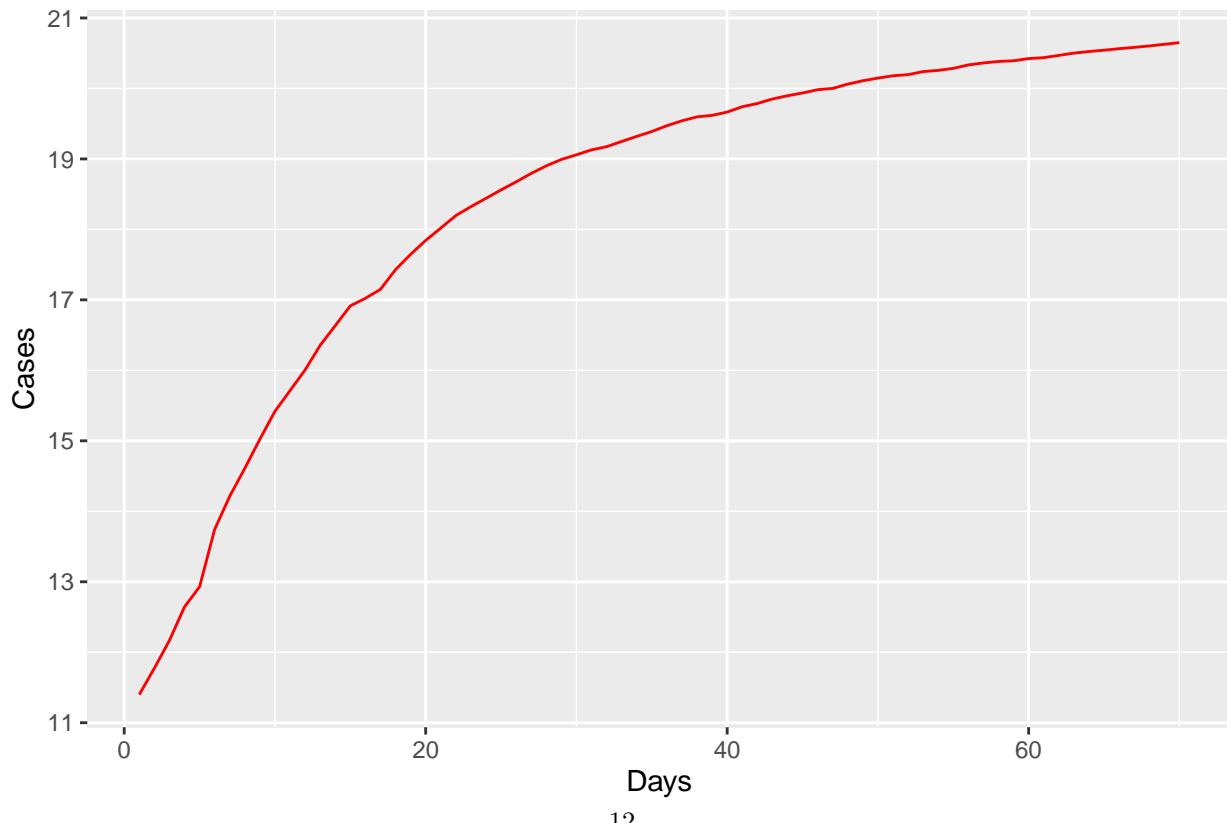
- Tomorrows predicted case number is between 1.5972309×10^4 and 1.7509629×10^4 cases.
- Current doubling rate is **30 days**
- Mean doubling rate, i.e number of cases doubles every **6 days**.
- Median doubling rate, i.e number of cases doubles every **15 days**.
- Latest Observed Growth Rate **2.3341201** percent.
- Mean Growth Rate: **12.1836832** percent.
- Median Growth Rate: **4.7037941** percent.
- Standard deviation: +/- **15.2974311**.

US Corona Dashboard

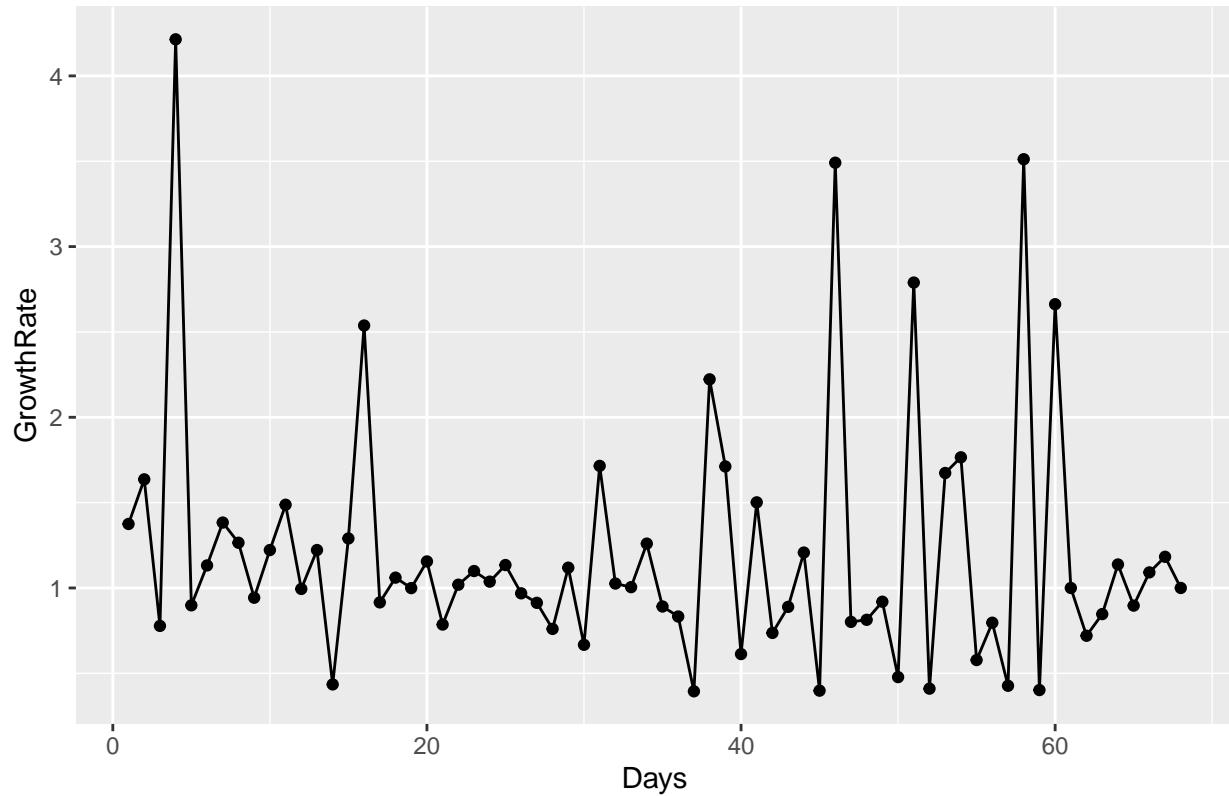
US: Daily Cases



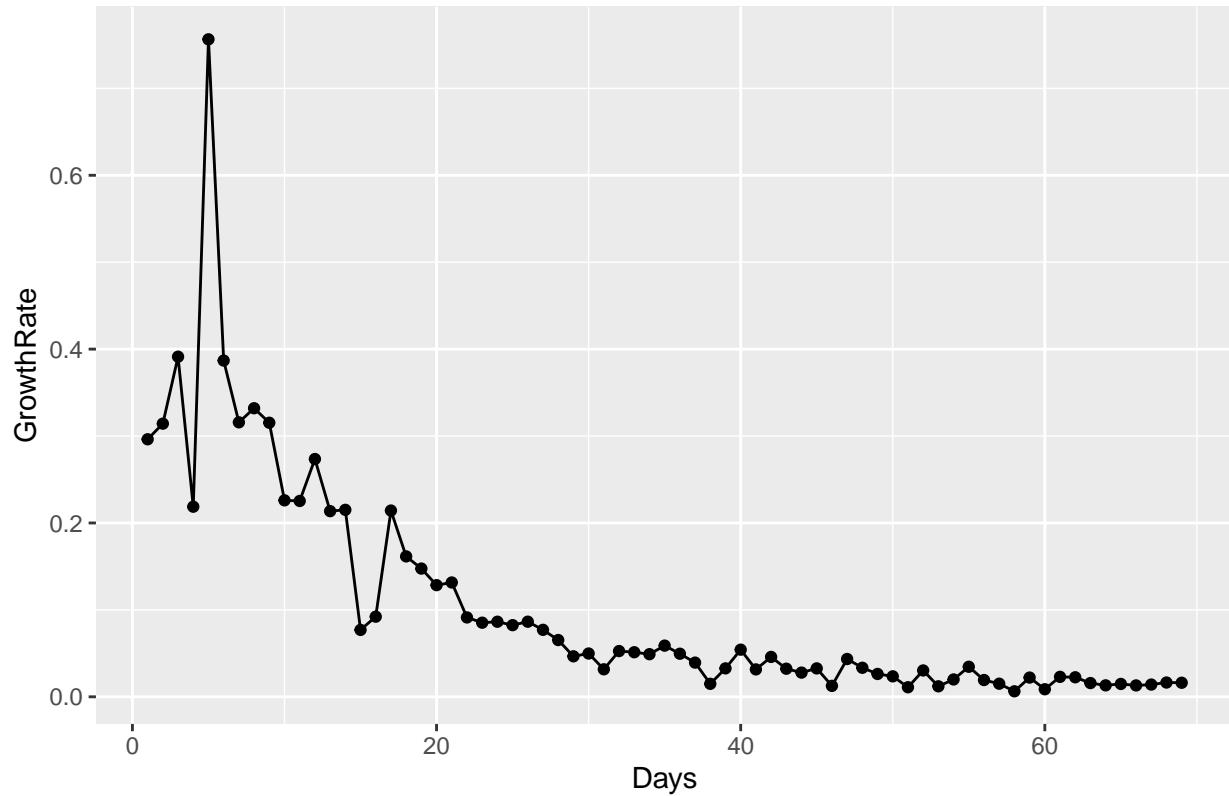
US: Daily Cases



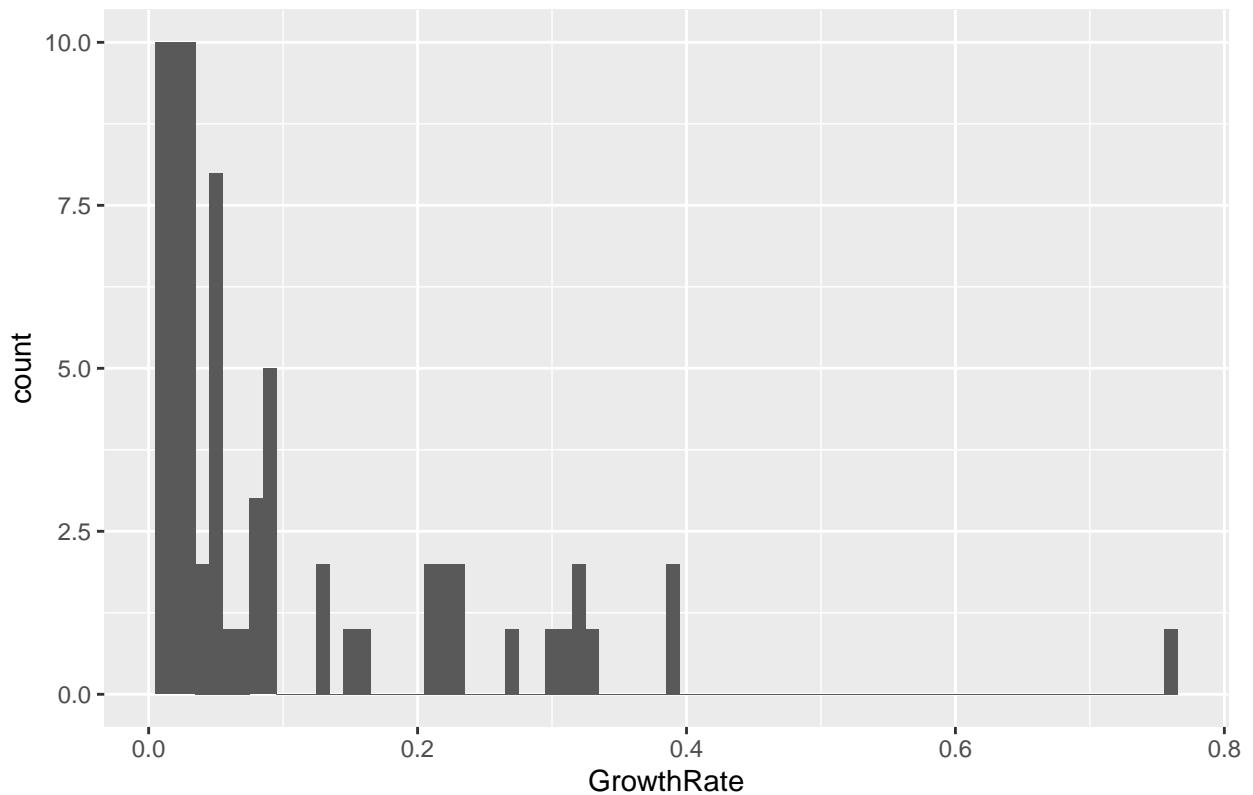
US: Rate of change in Growth Rate



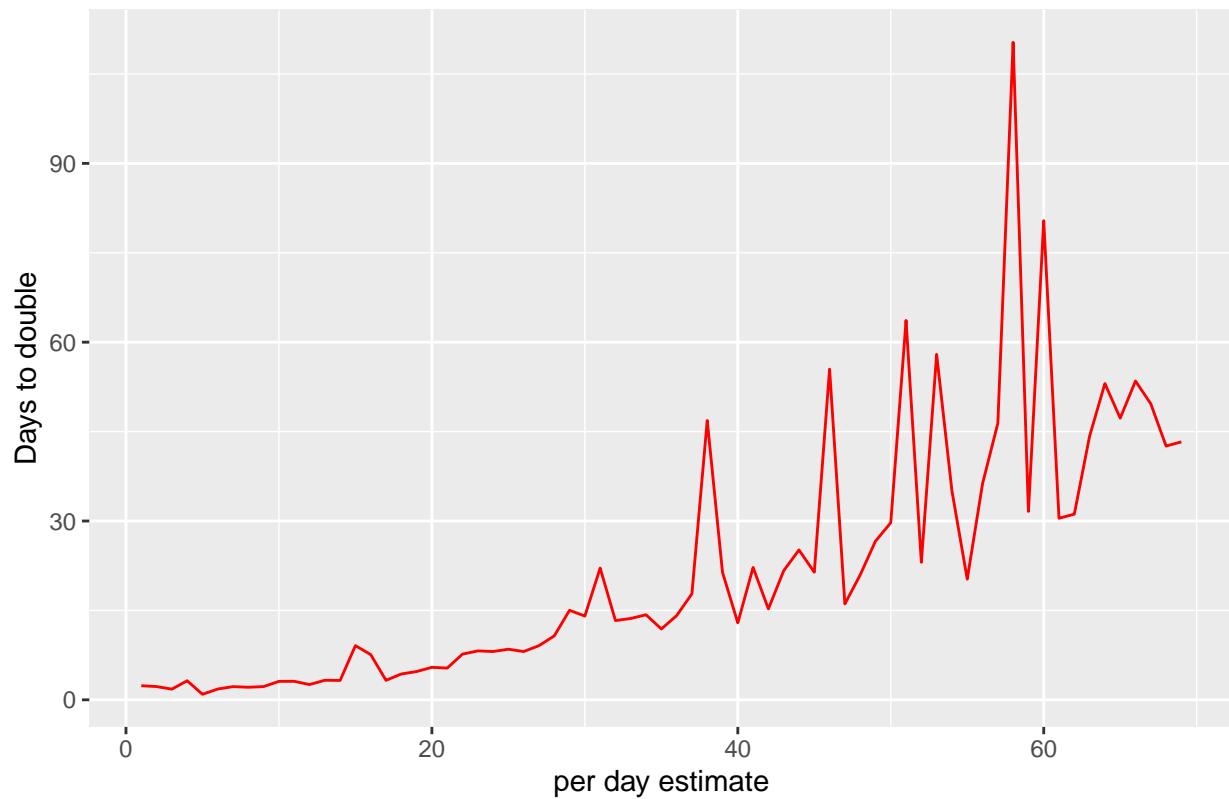
US: Growth Rate



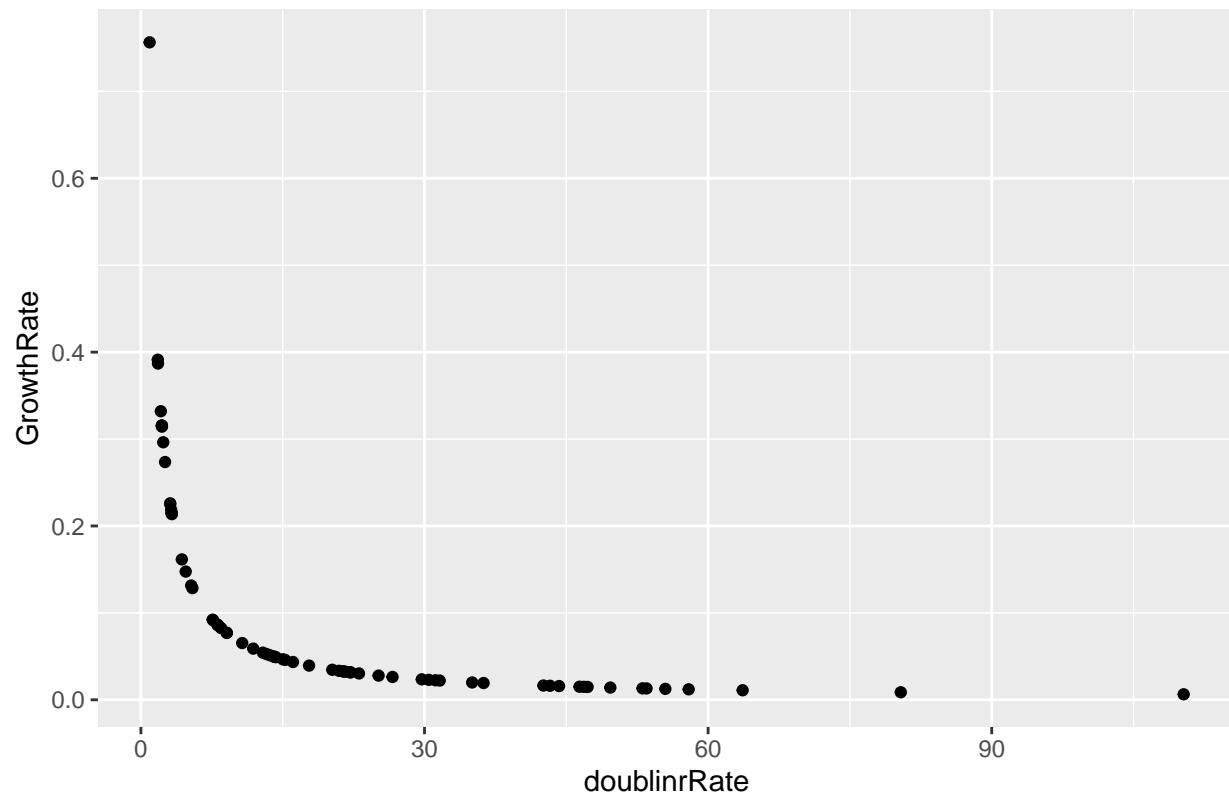
Histogram of GrowthRate



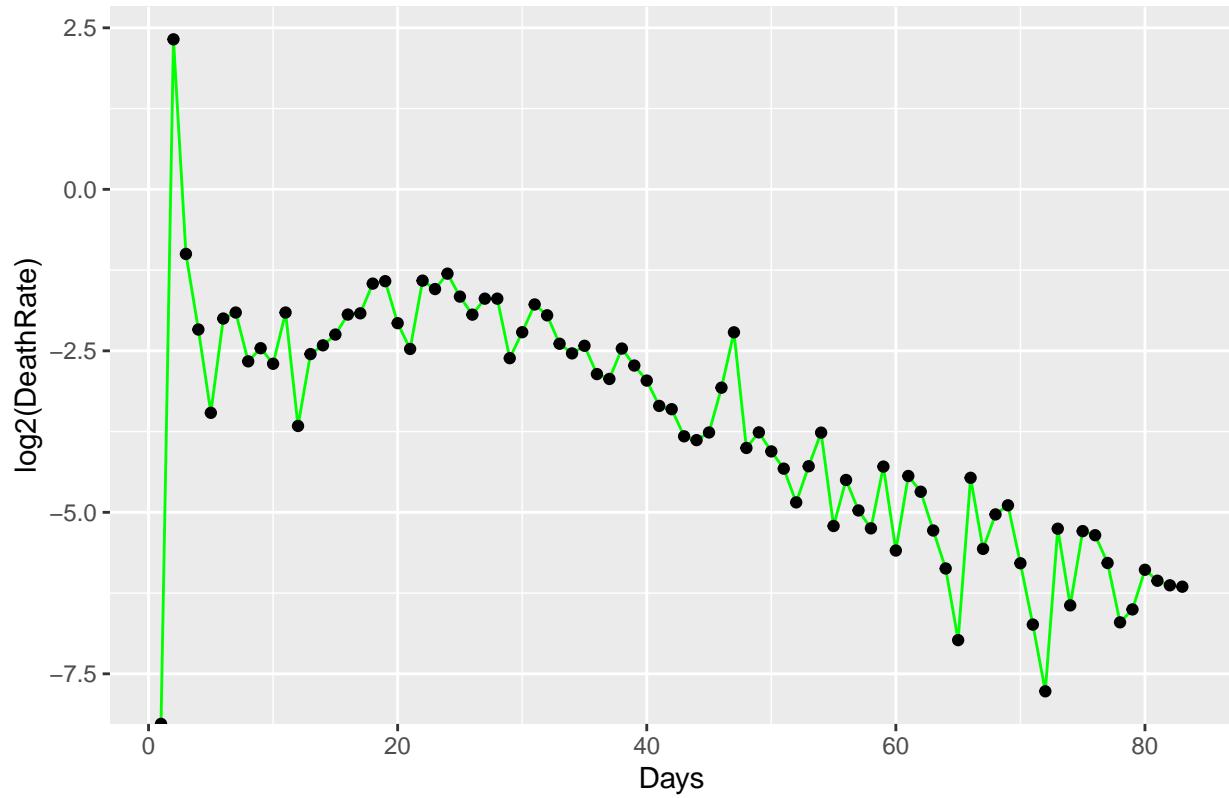
Doubling Rate in days



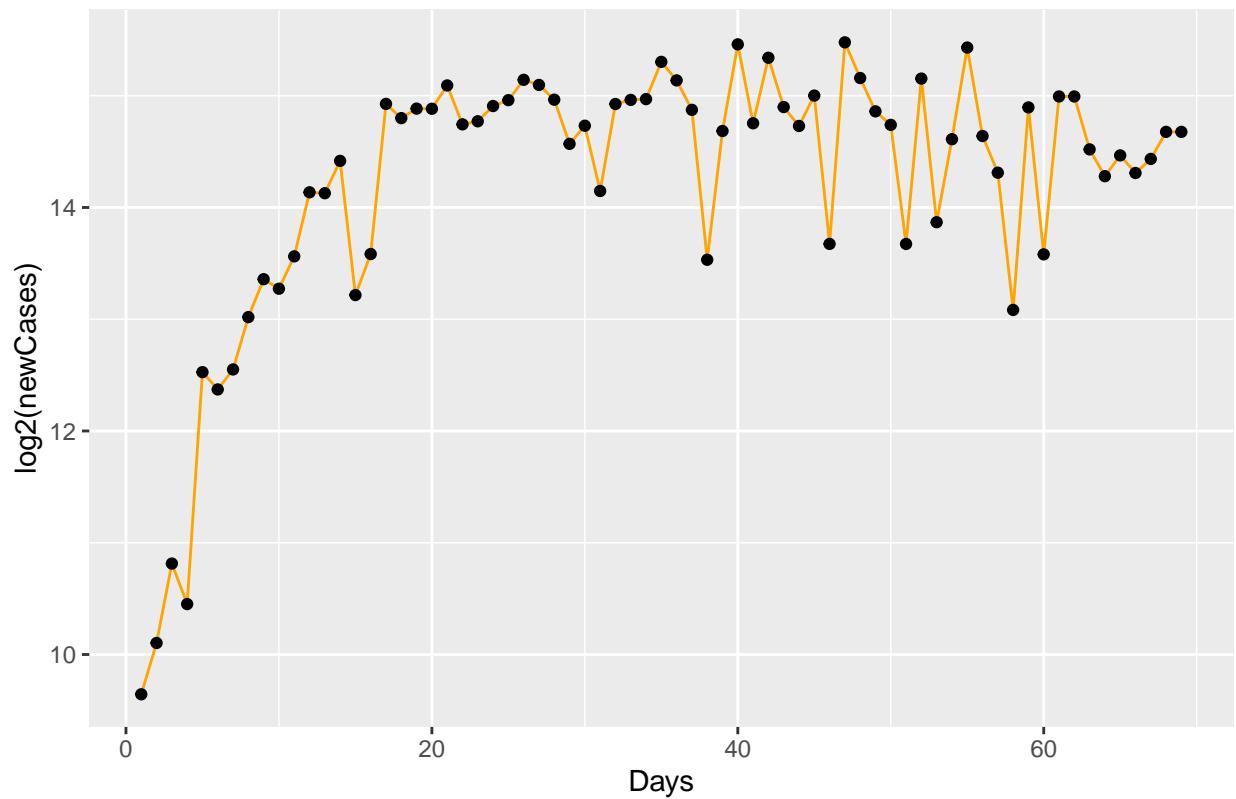
Doubling Rate vs Growth Rate



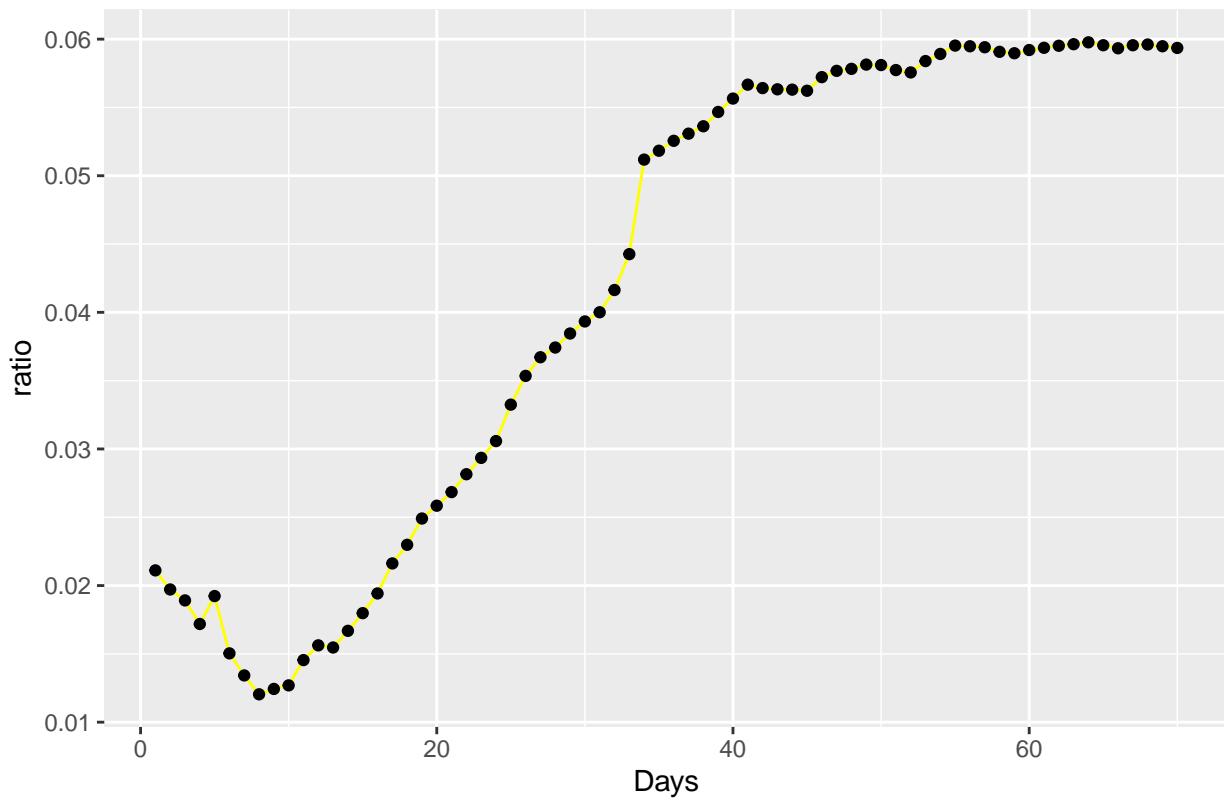
US: Daily Death Rate



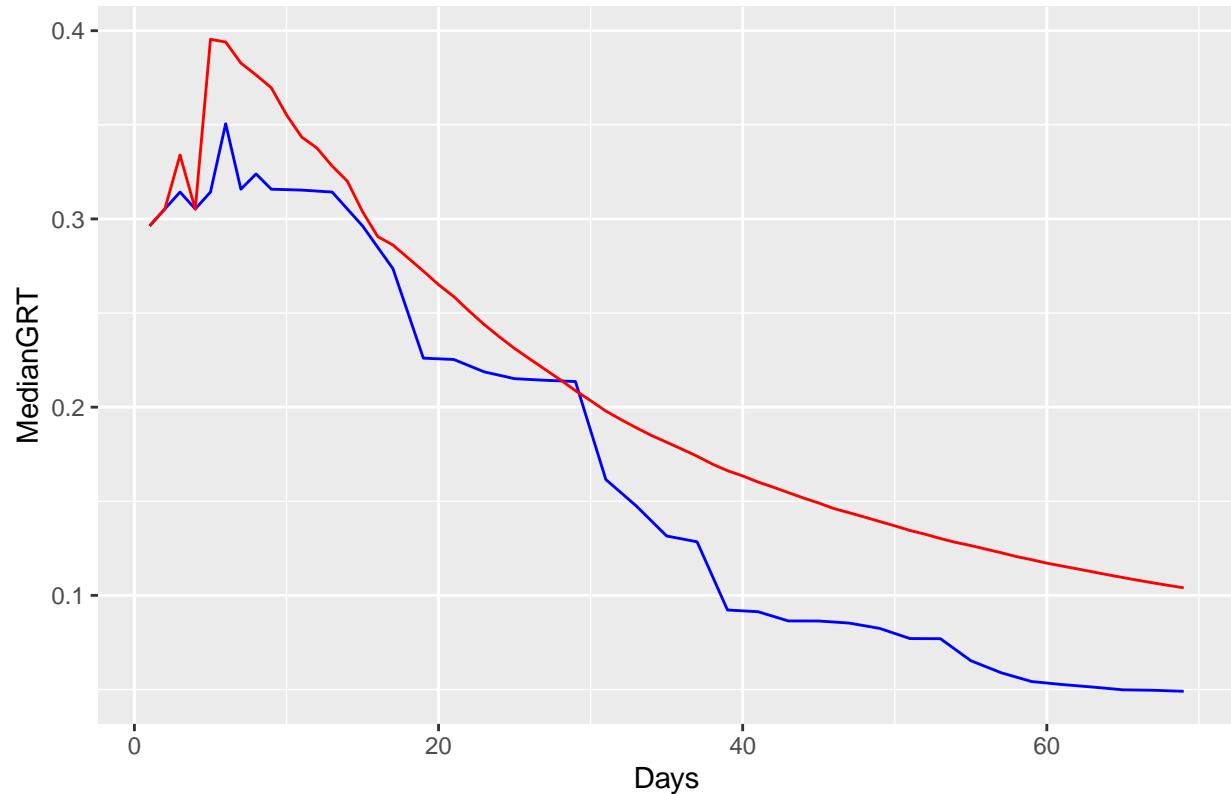
US:newCases(Orange)



US: TotalDeaths/TotalCases



US Median(BLUE)VsMean(RED) Growth Rate

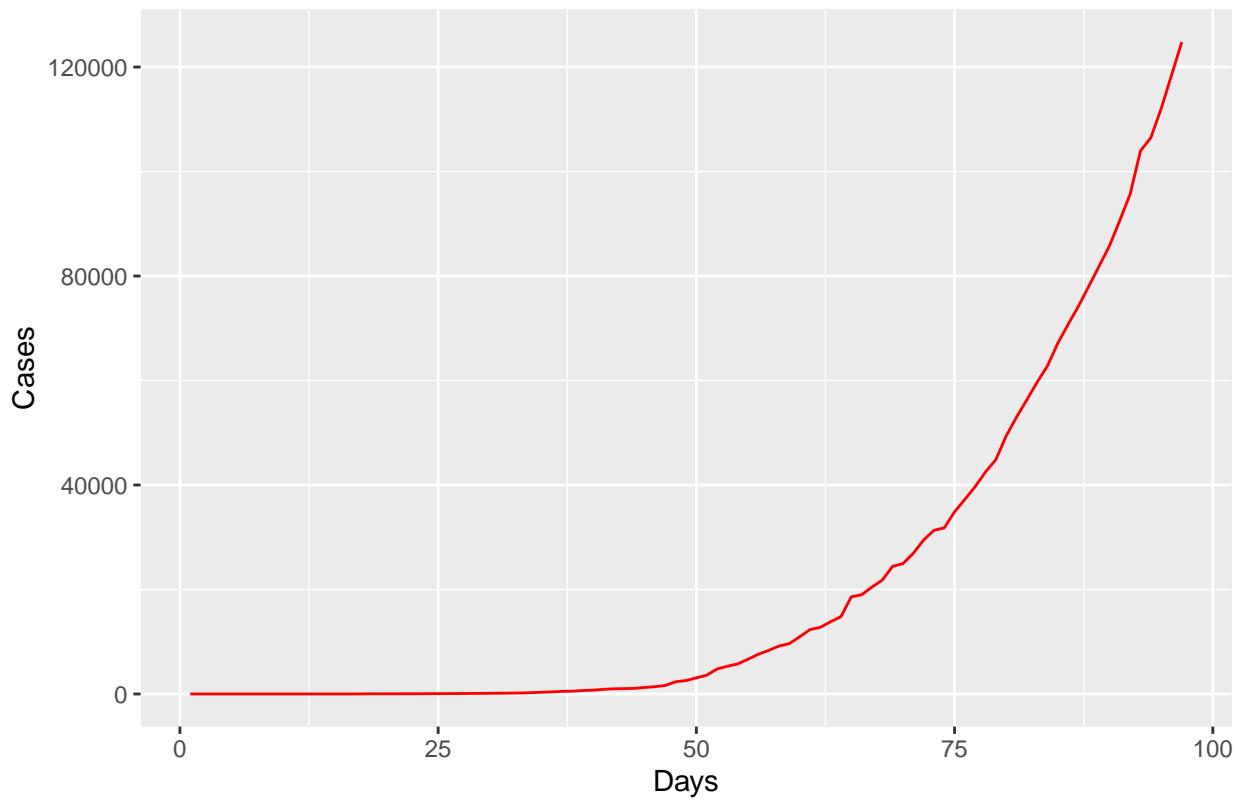


Results:

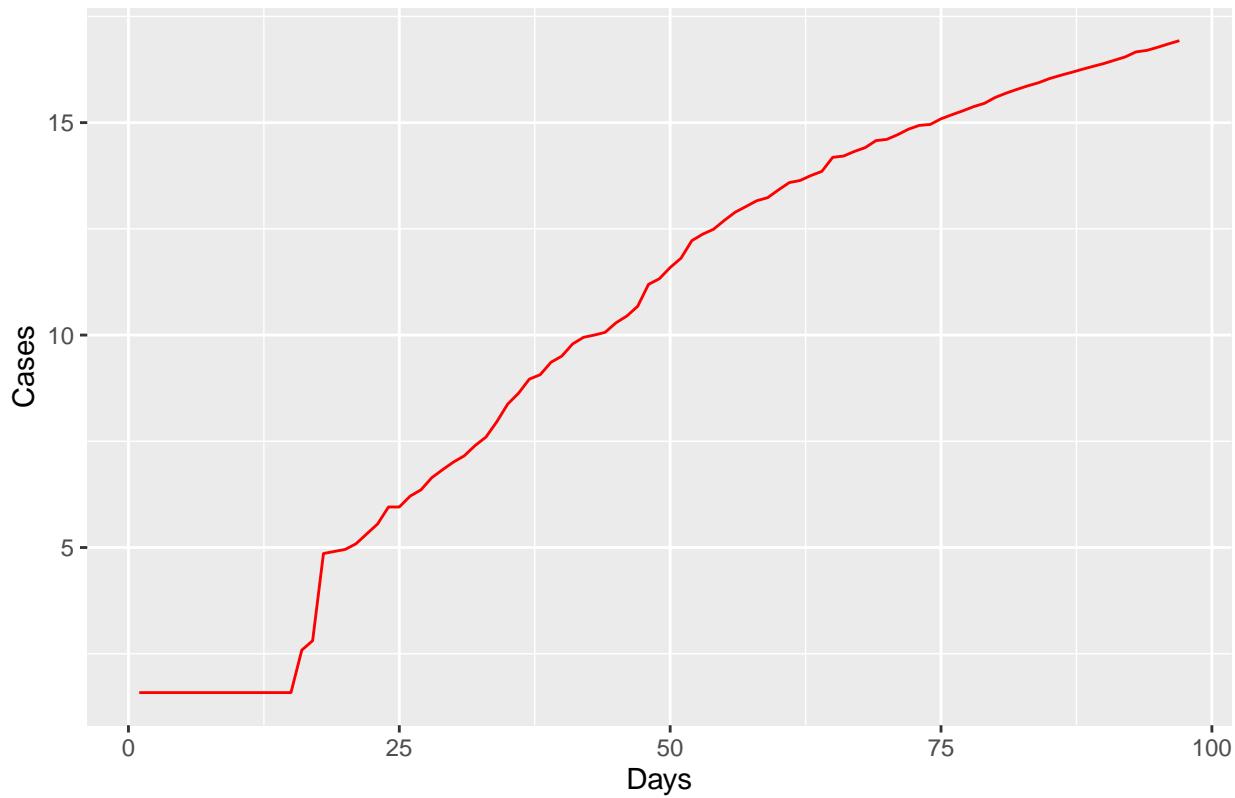
- Tomorrows predicted case number is between 1.6717036×10^6 and 1.8161981×10^6 cases.
- Current doubling rate is **43 days**
- Mean doubling rate, i.e number of cases doubles every **7 days**.
- Median doubling rate, i.e number of cases doubles every **14 days**.
- Latest Observed Growth Rate **1.6175101** percent.
- Mean Growth Rate: **10.400871** percent.
- Median Growth Rate: **4.9038501** percent.
- Standard deviation: +/- **13.1317329**.

India Corona Dashboard

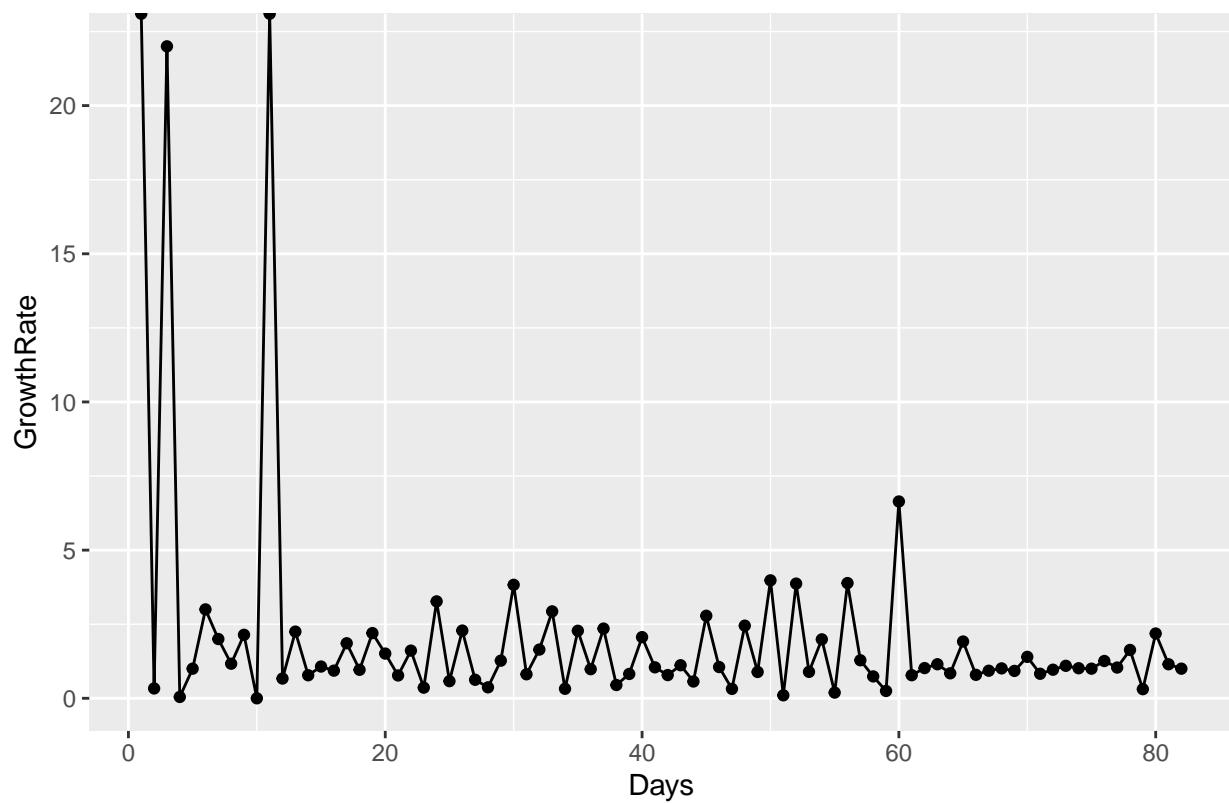
India: Daily Cases



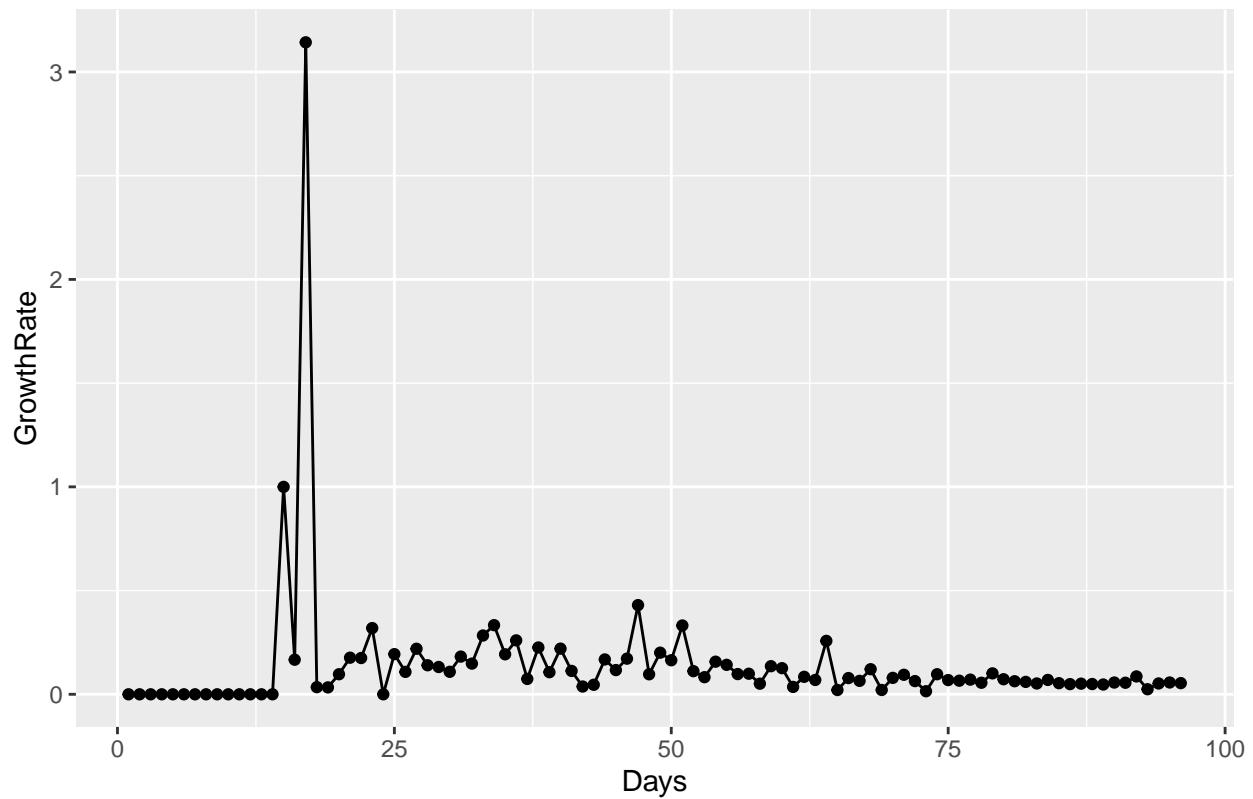
India: Daily Cases



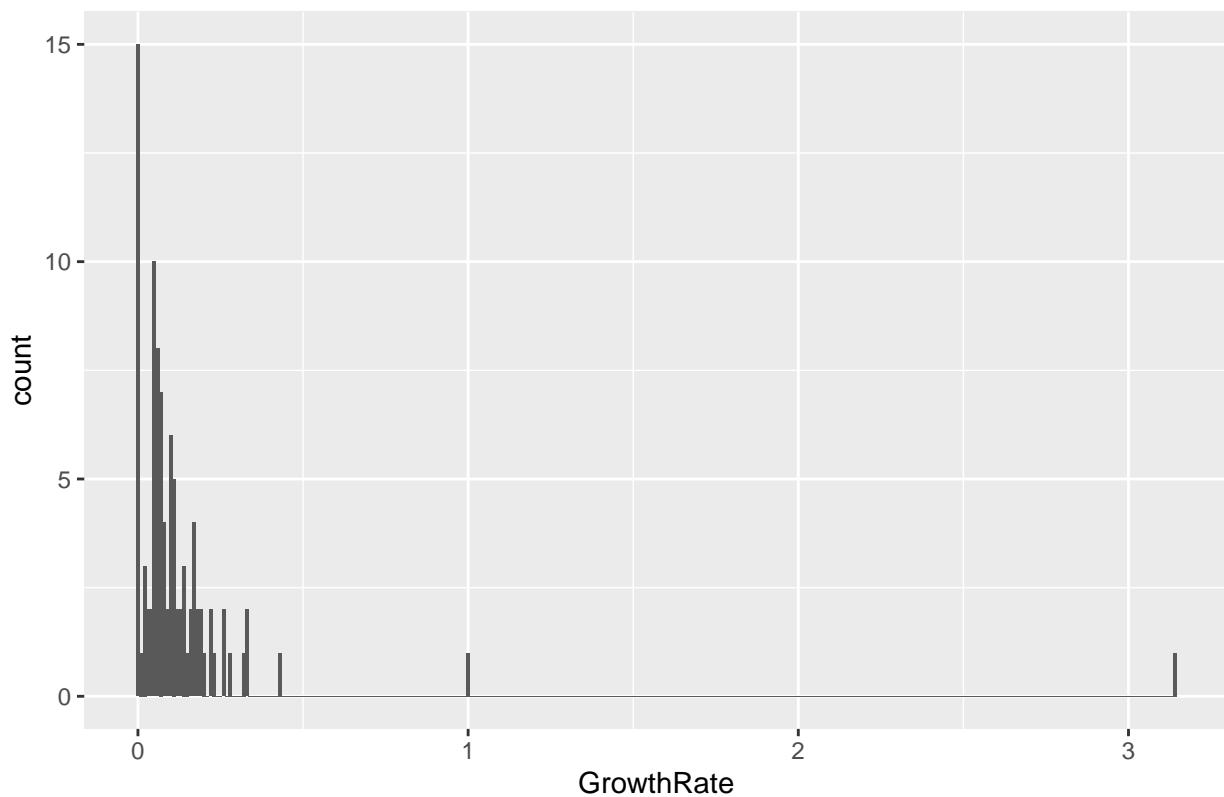
US: Rate of change in Growth Rate



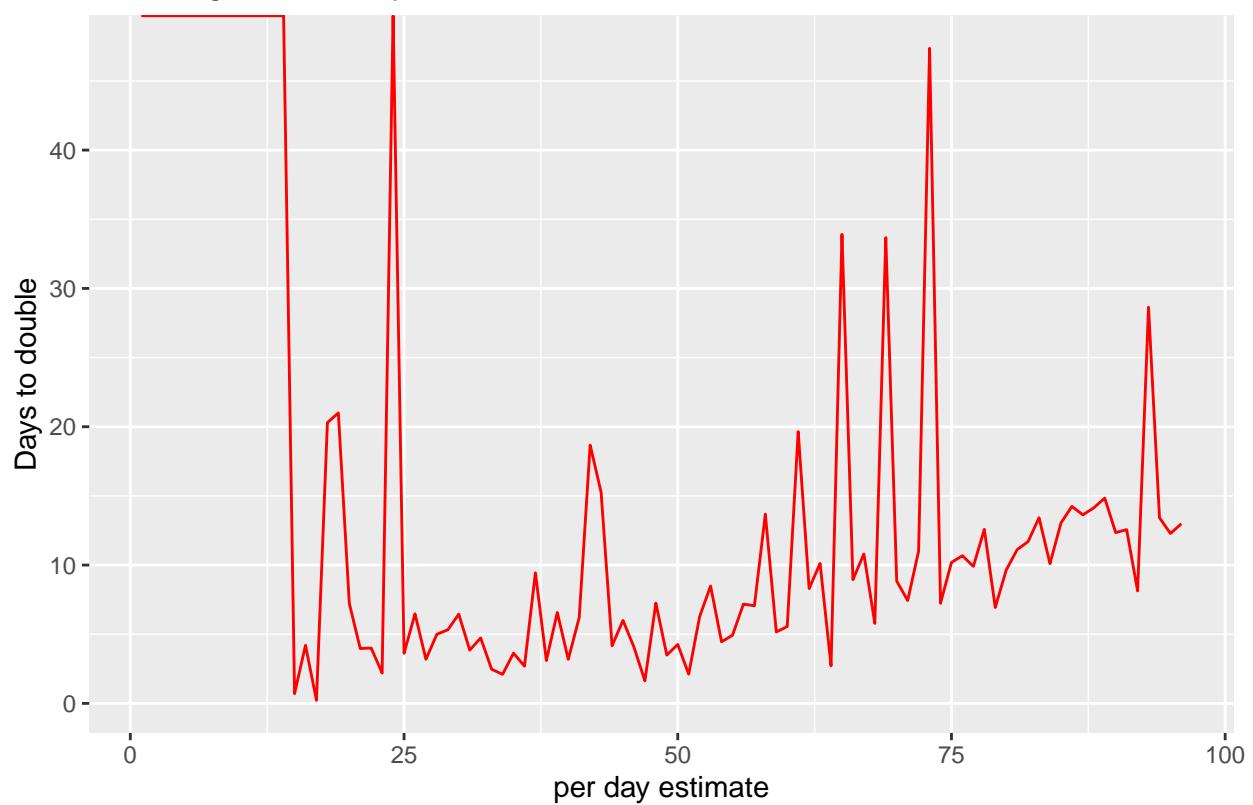
India: Growth Rate



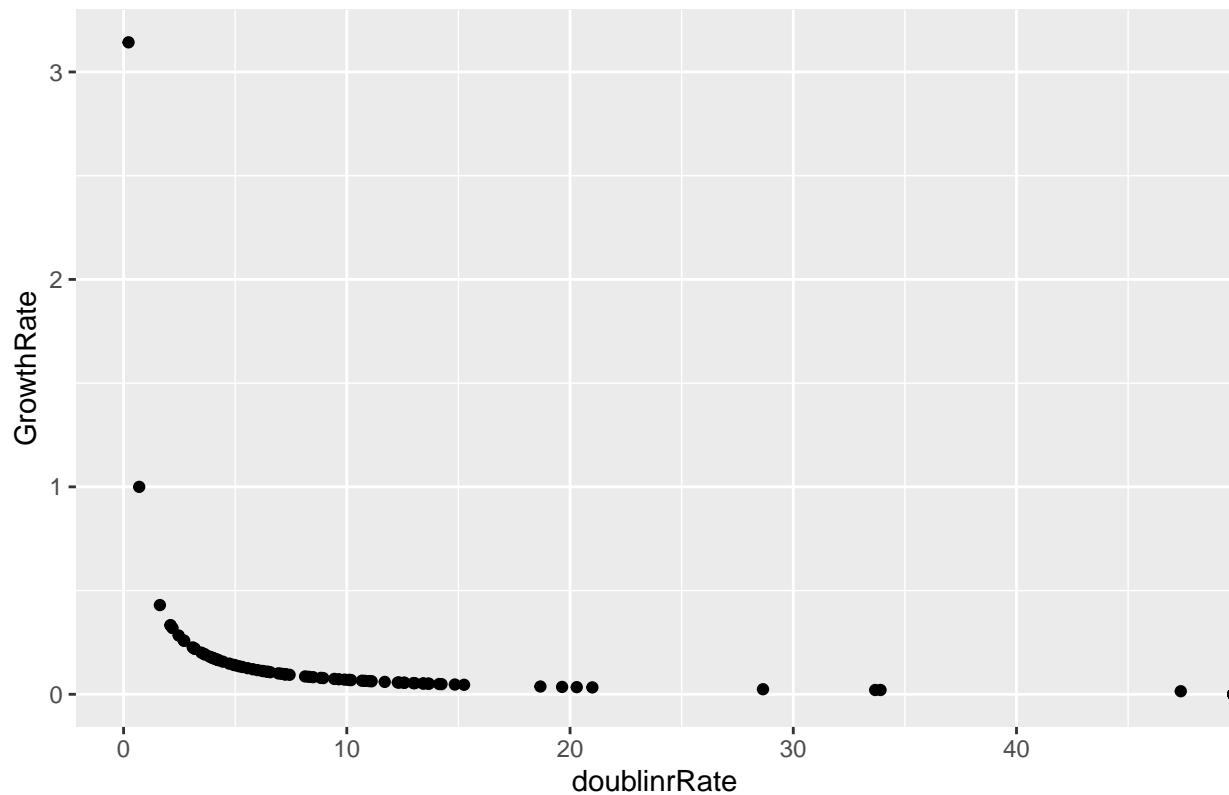
Histogram of GrowthRate



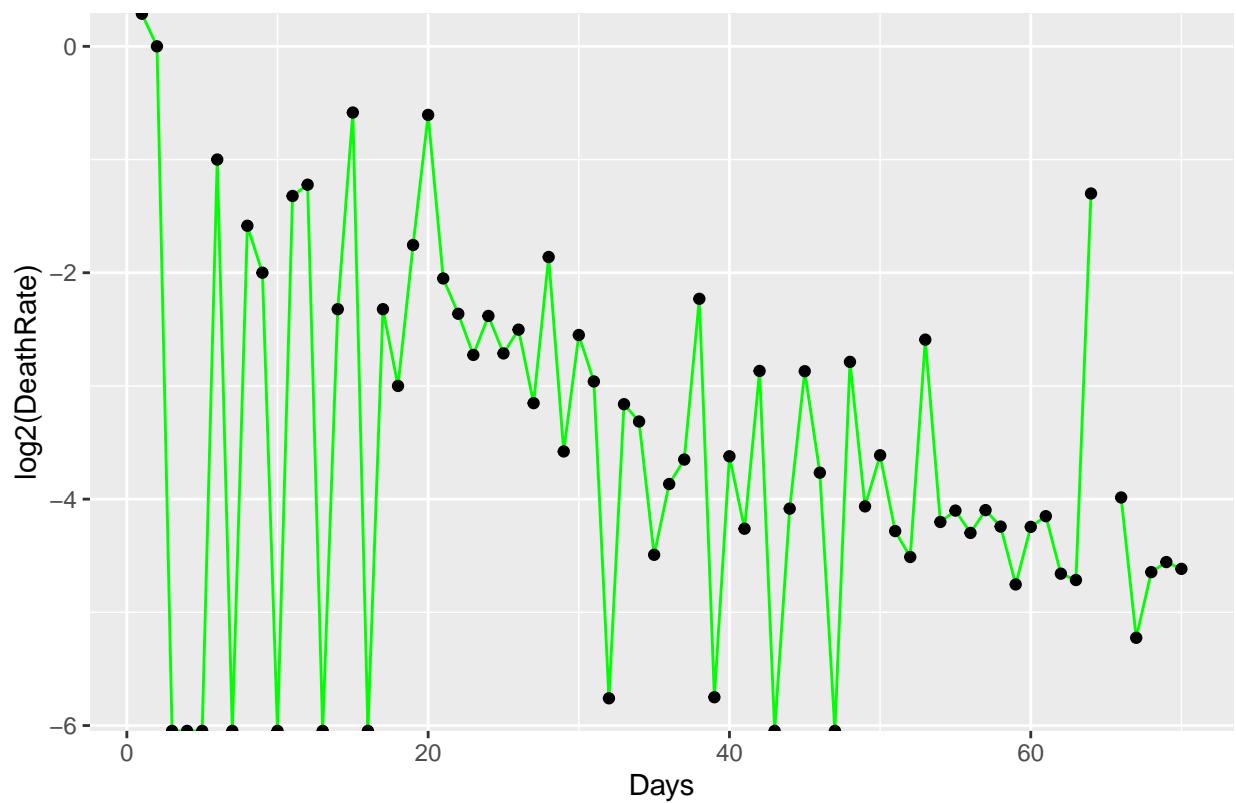
Doubling Rate in days



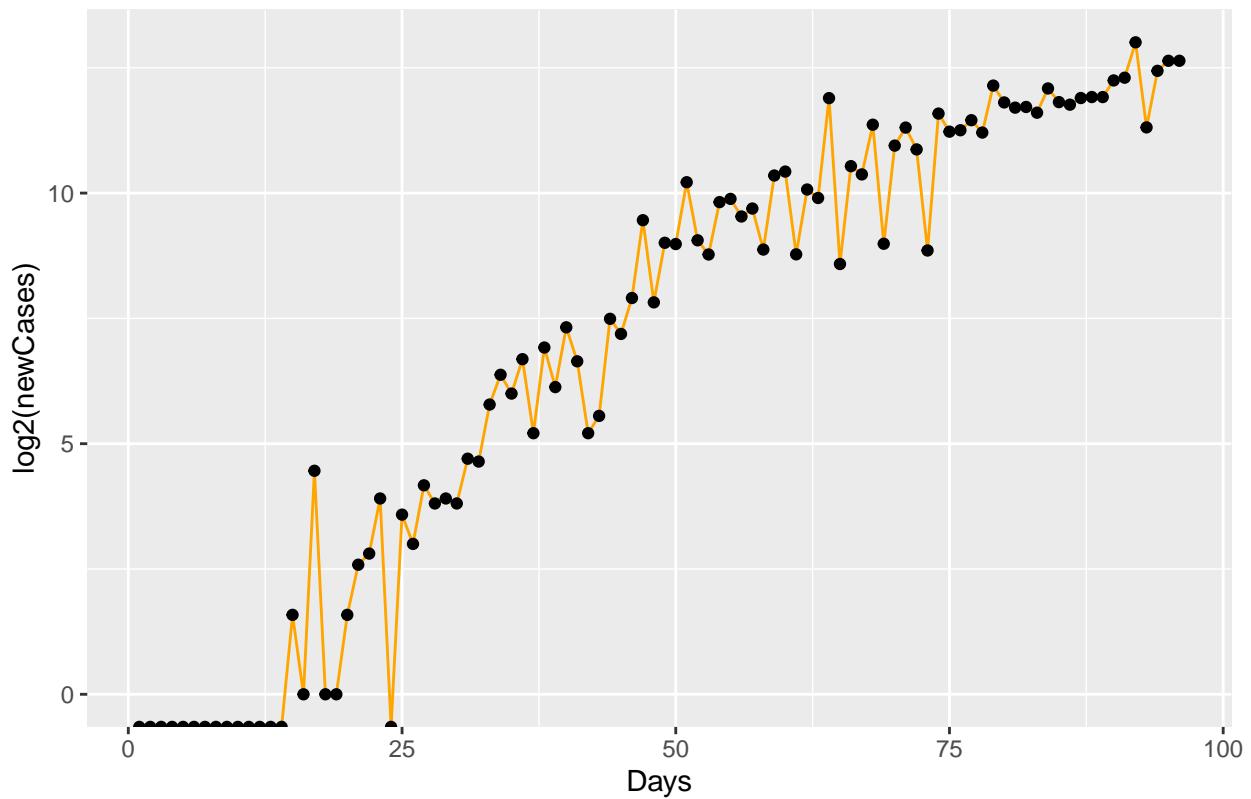
Doubling Rate vs Growth Rate



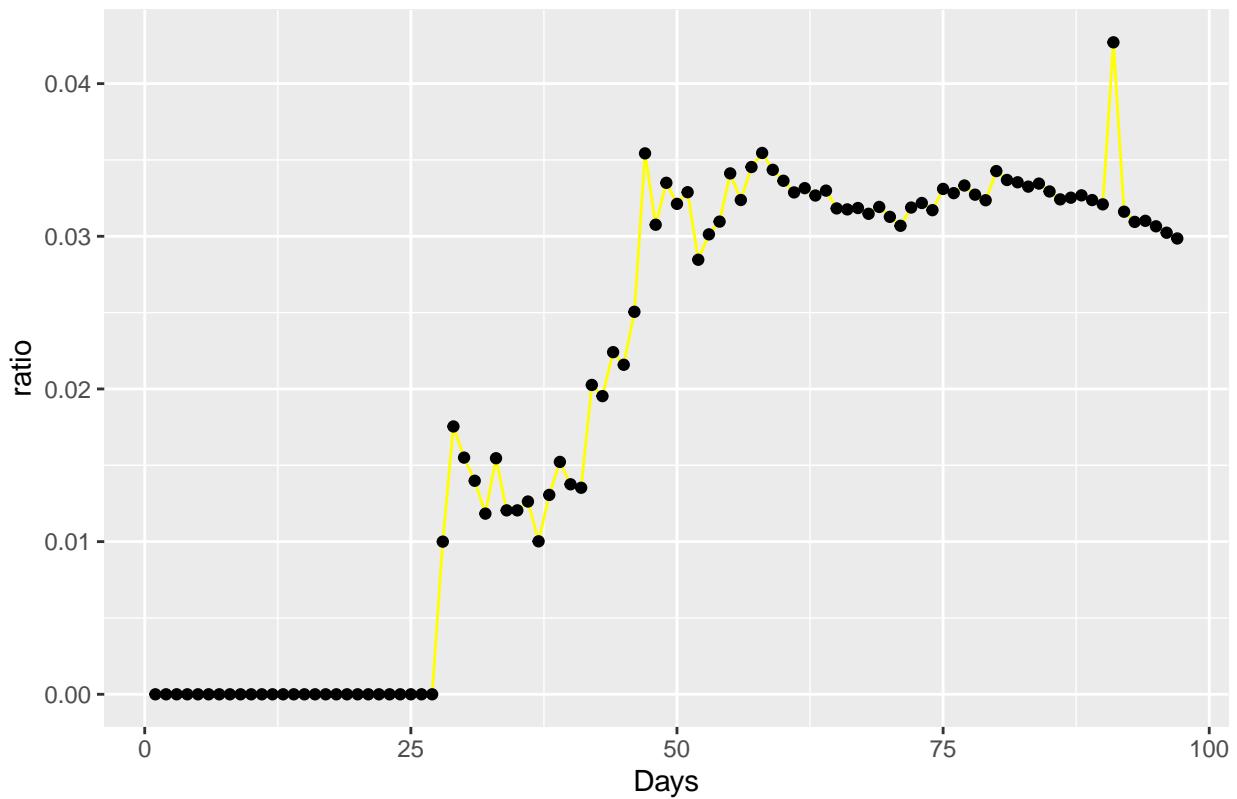
India: Daily Death Rate



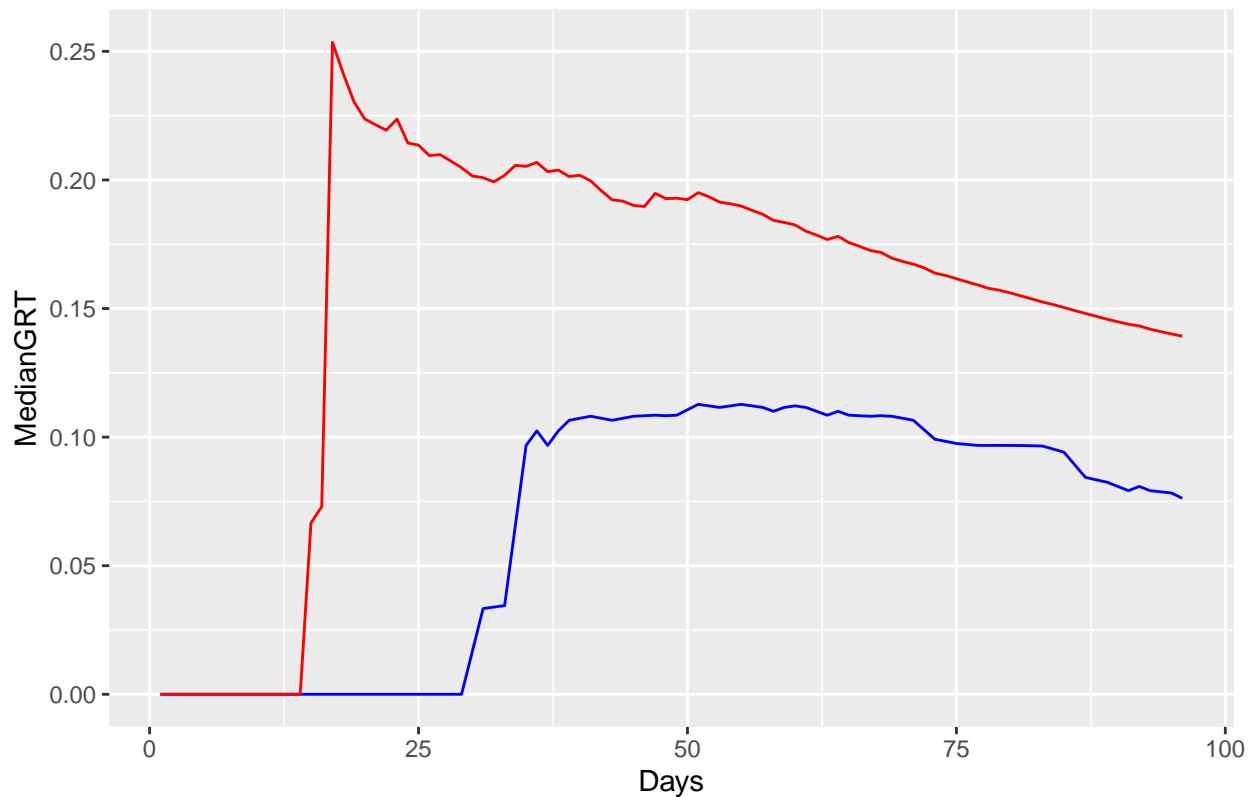
India:newCases(Orange)



India: TotalDeaths/TotalCases



India Median(BLUE)VsMean(RED) Growth Rate



Results:

- Tomorrows predicted case number is between 1.3152108×10^5 and 1.4216931×10^5 cases.
- Current doubling rate is **13 days**
- Mean doubling rate, i.e number of cases doubles every **5 days**.
- Median doubling rate, i.e number of cases doubles every **9 days**.
- Latest Observed Growth Rate **5.3905465** percent.
- Mean Growth Rate: **13.9231928** percent.
- Median Growth Rate: **7.6210308** percent.
- Standard deviation: +/- **33.4507619**.