

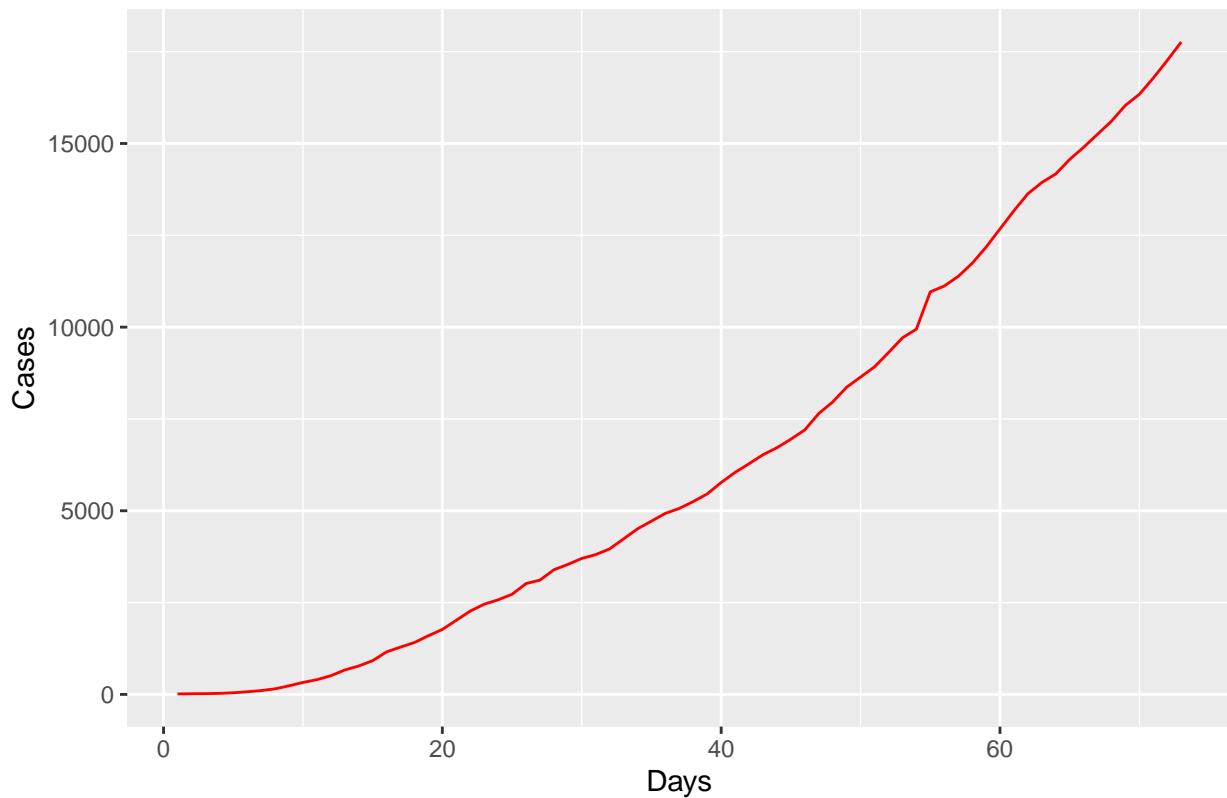
Arizona/US/India Corona Trends- 29th May 2020 with tomorrow's prediction

Whitchurch Muthumani

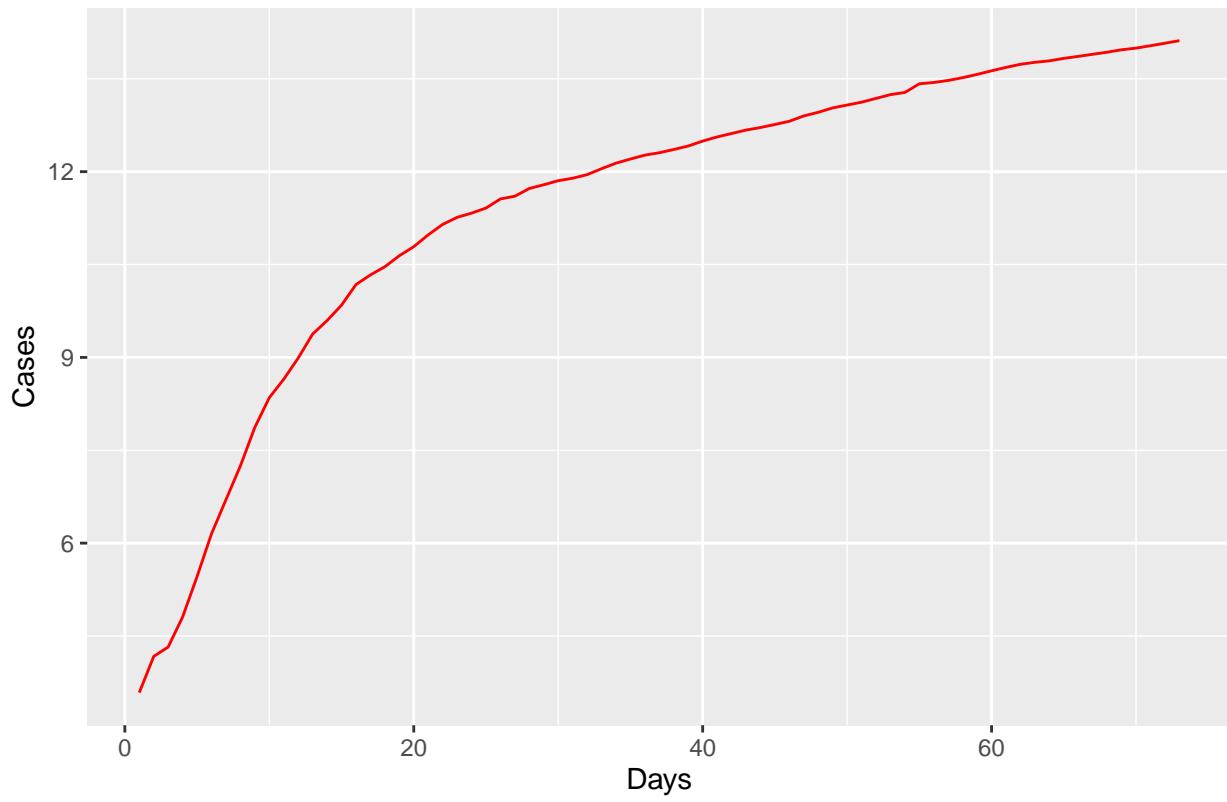
5/29/2020

Arizona Corona Dashboard

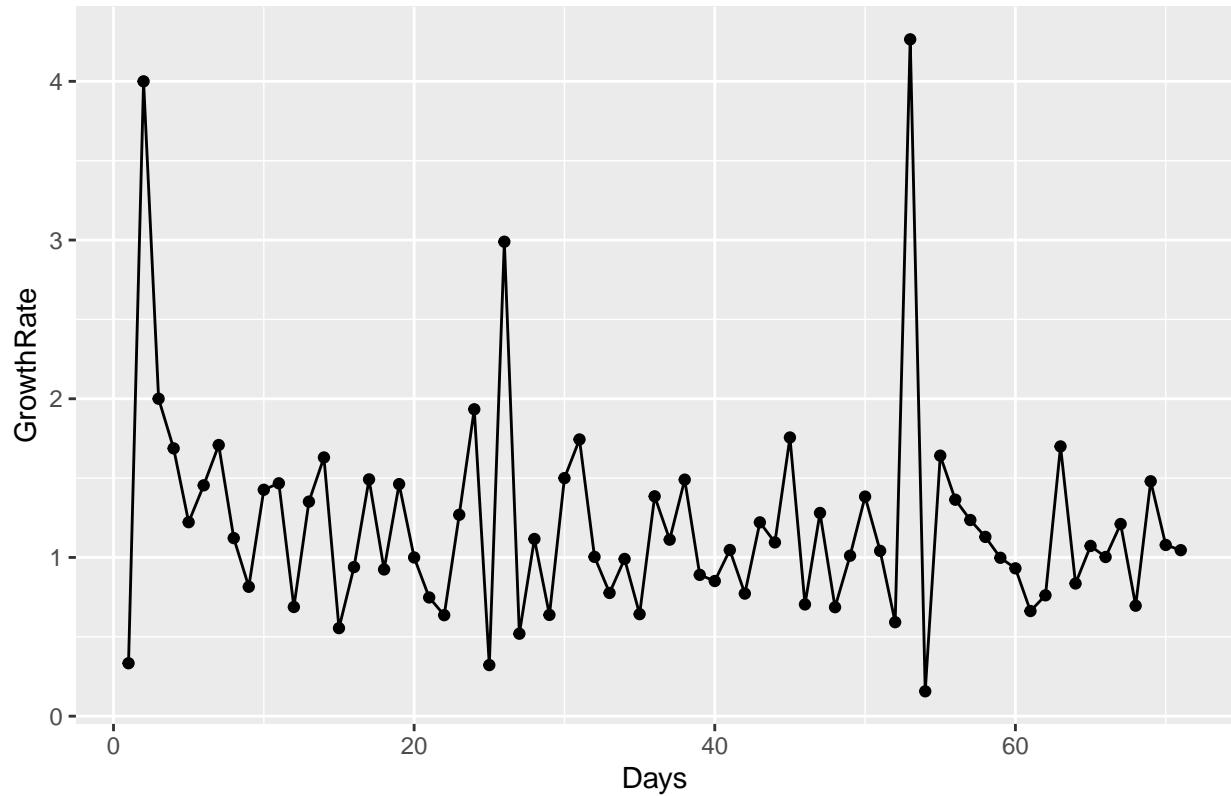
Arizona: Daily Cases



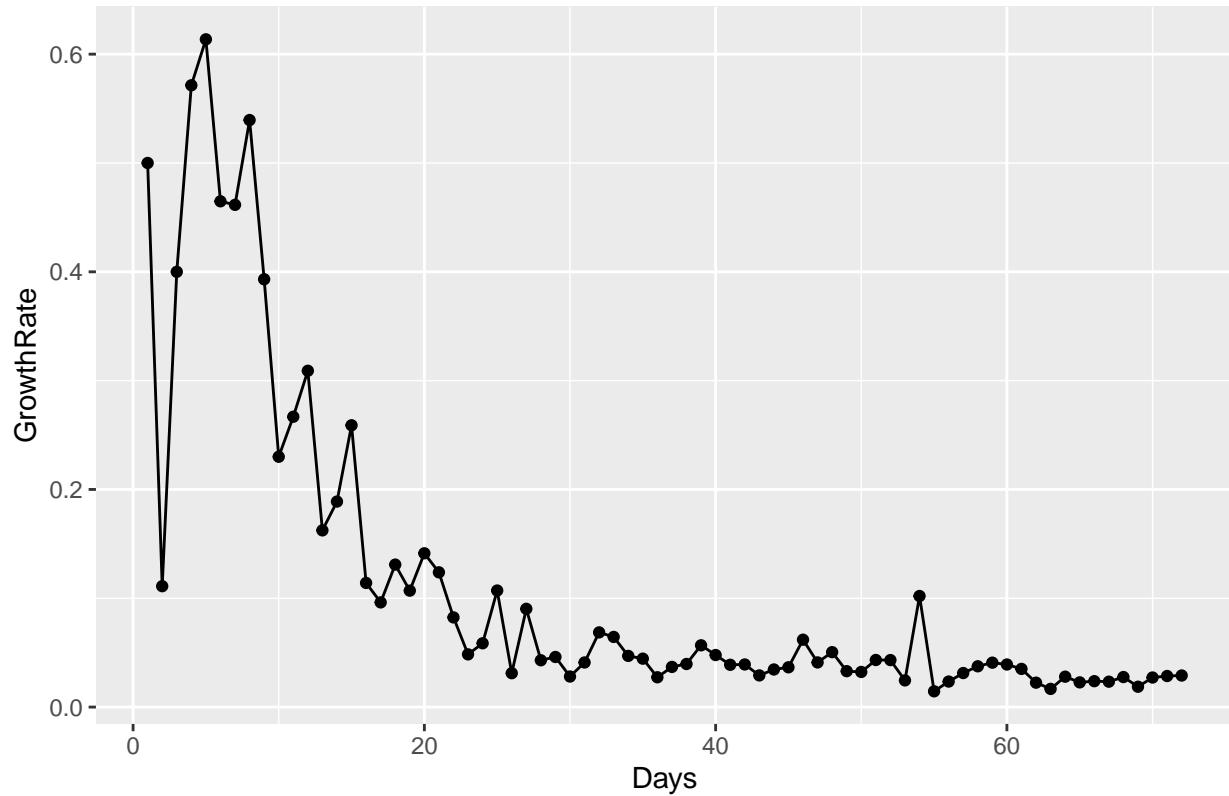
Arizona: Daily Cases



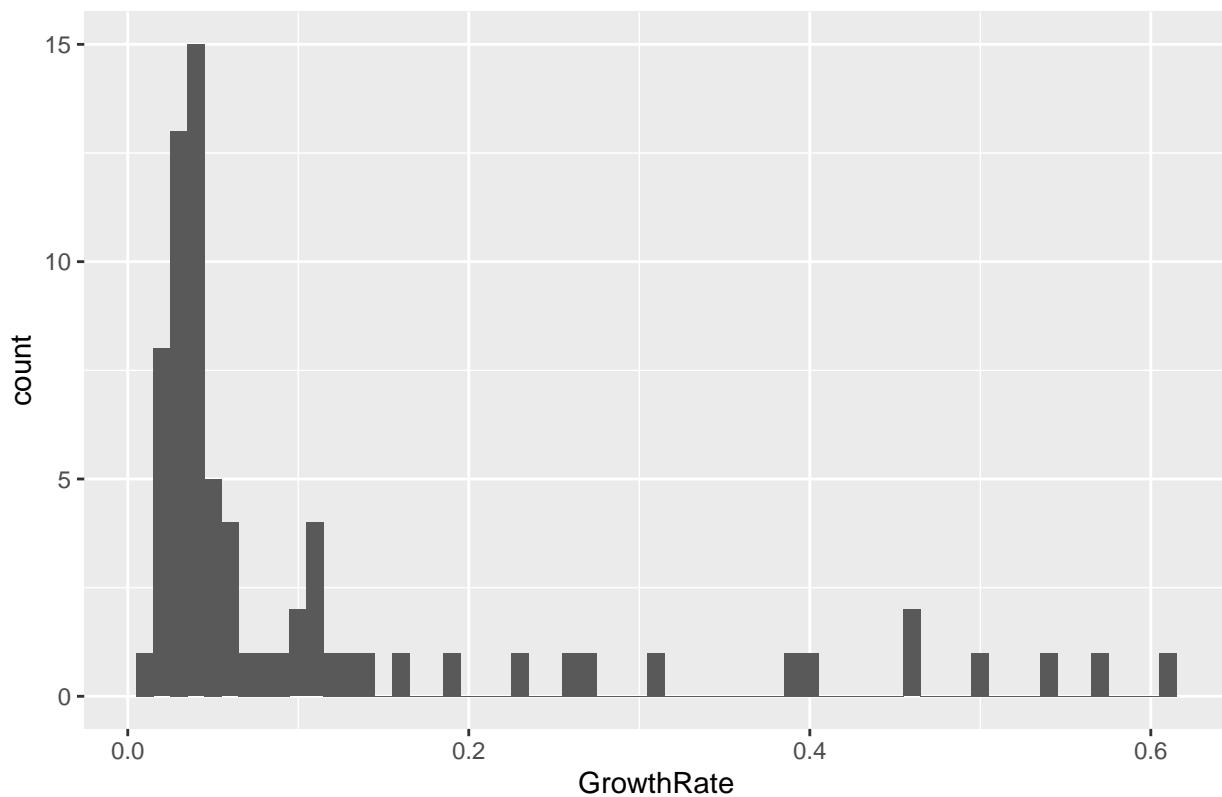
Arizona: Rate of change in Growth Rate



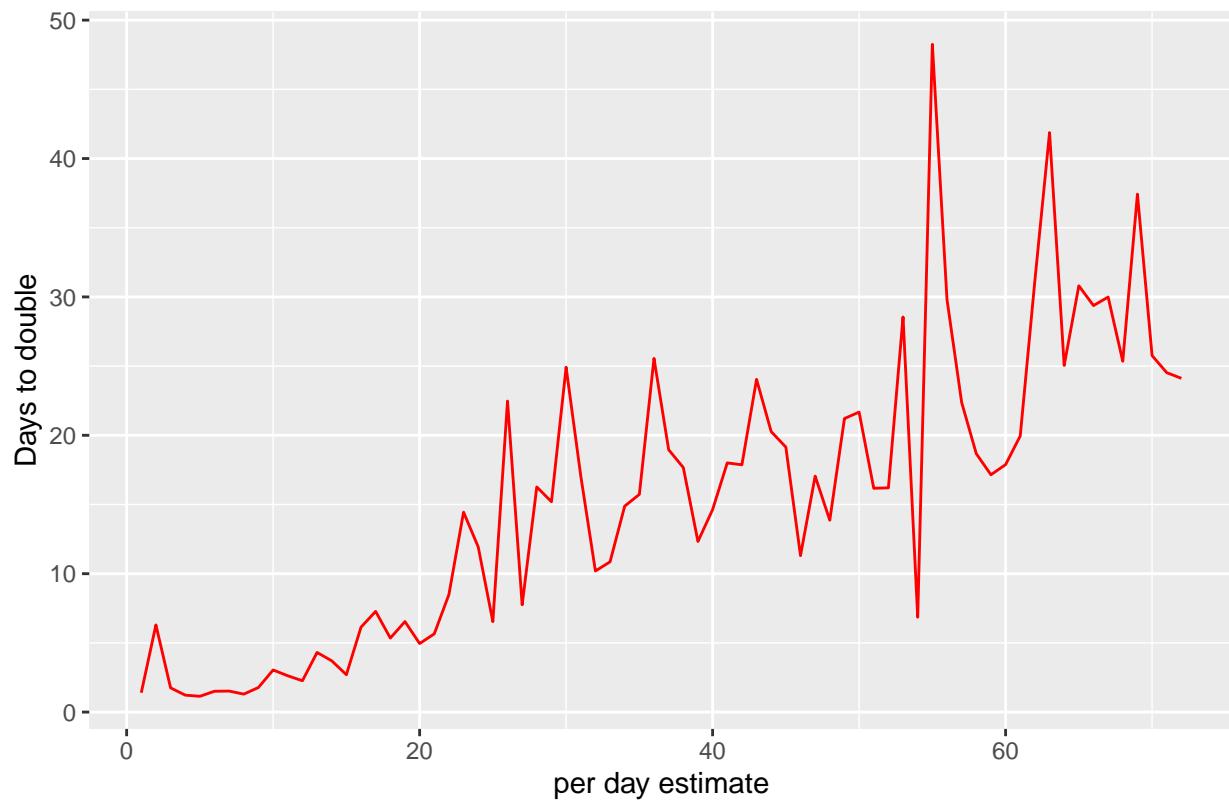
Arizona: Growth Rate



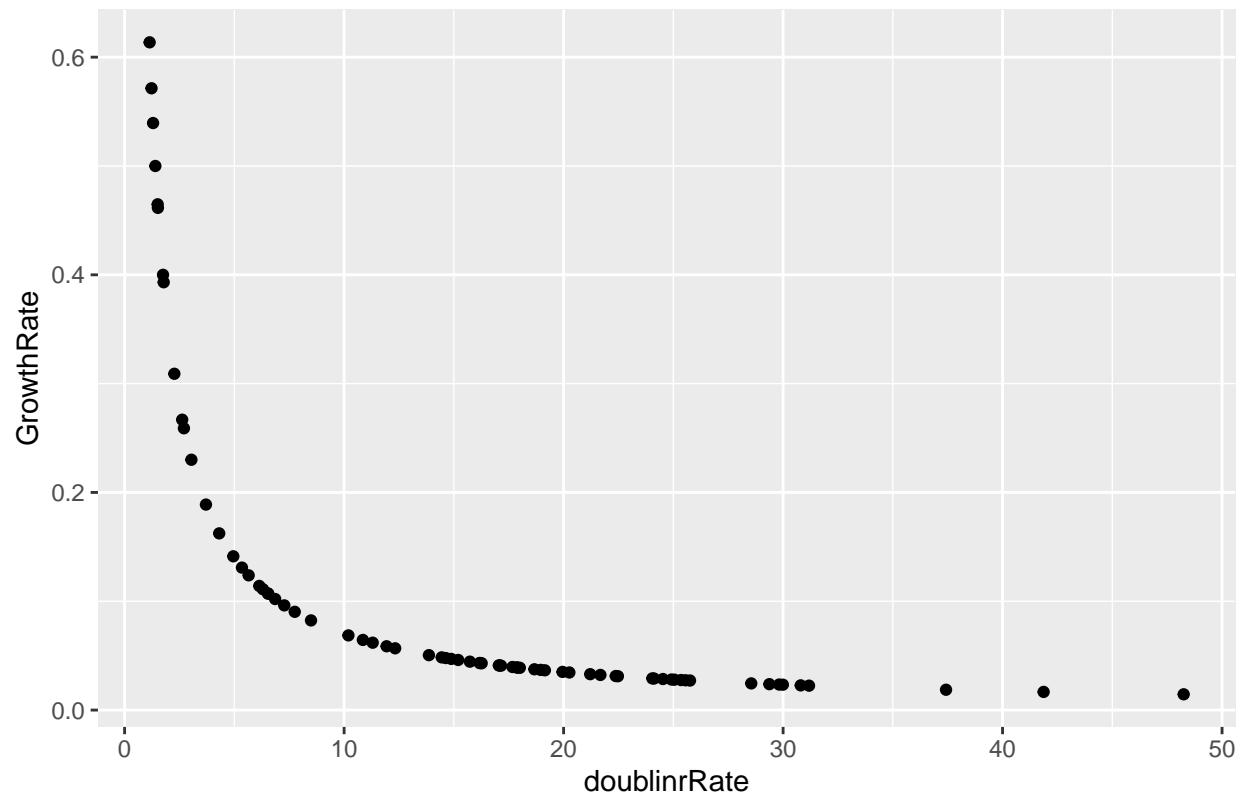
Histogram of GrowthRate



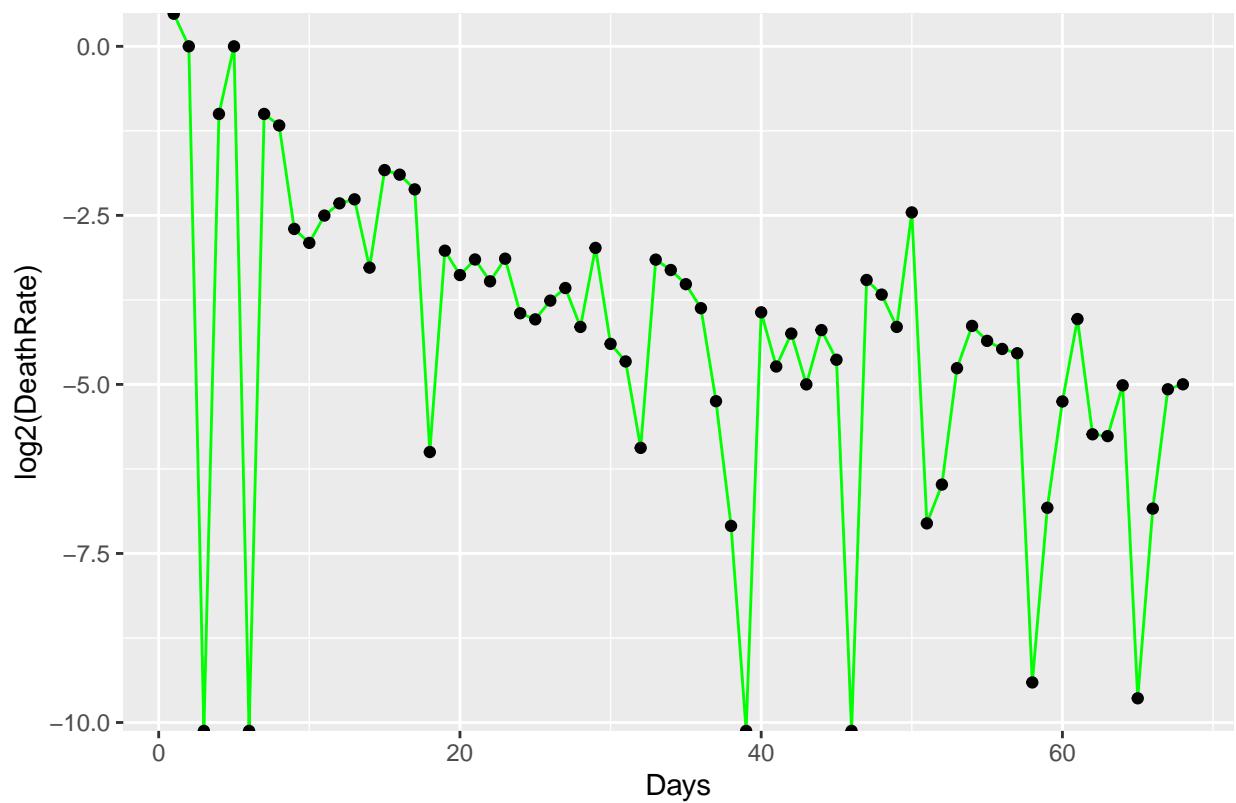
Doubling Rate in days



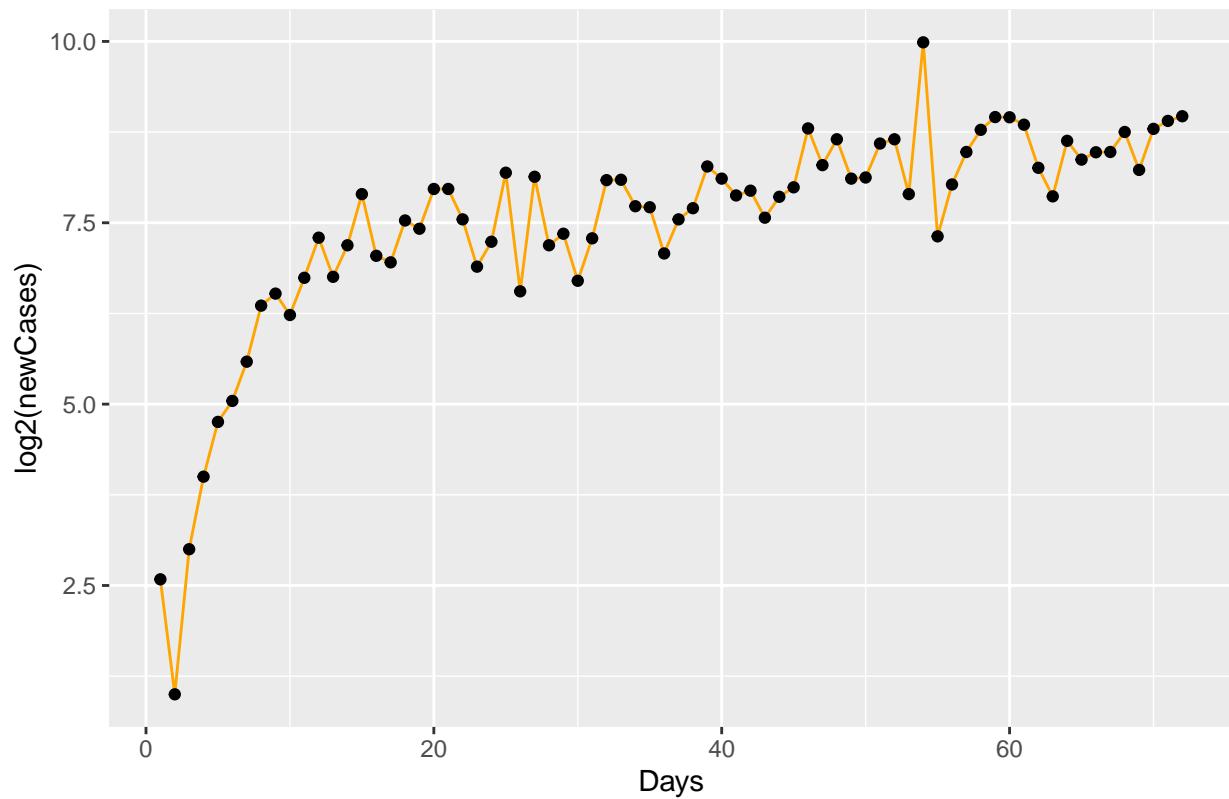
Doubling Rate vs Growth Rate



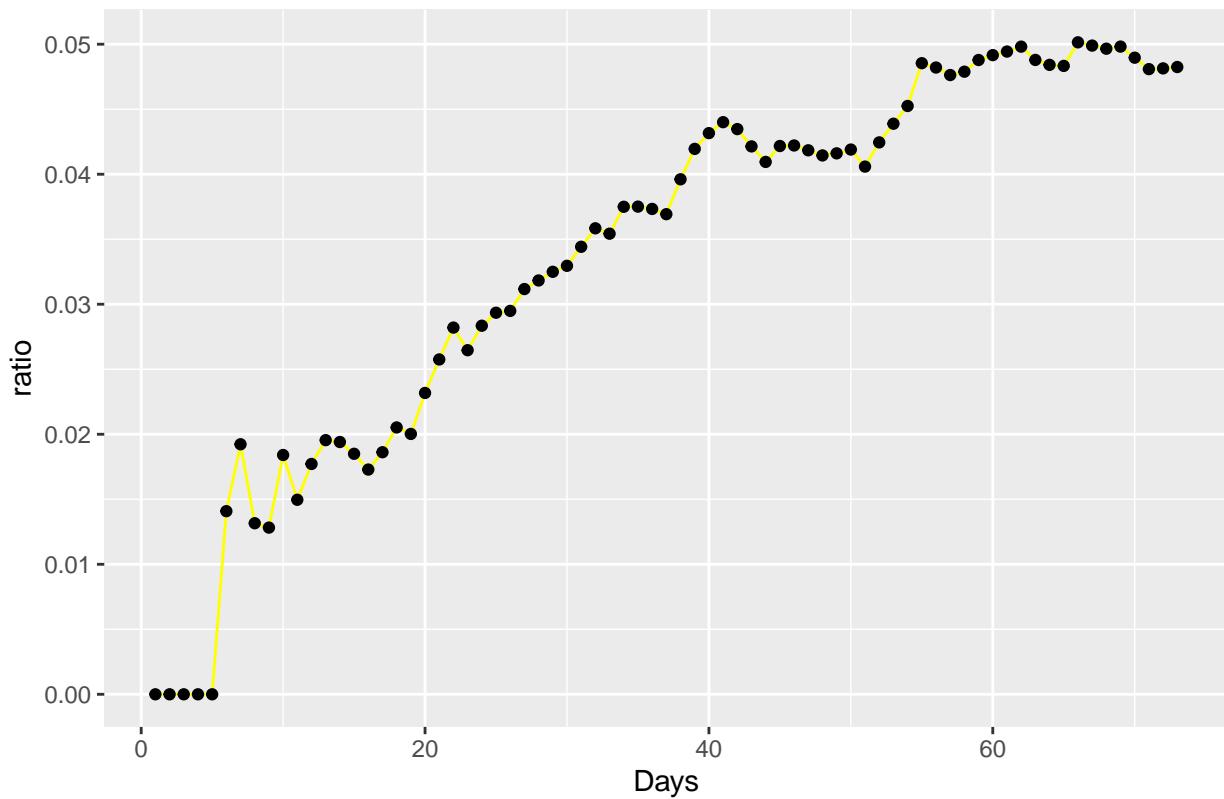
Arizona: Daily Death Rate



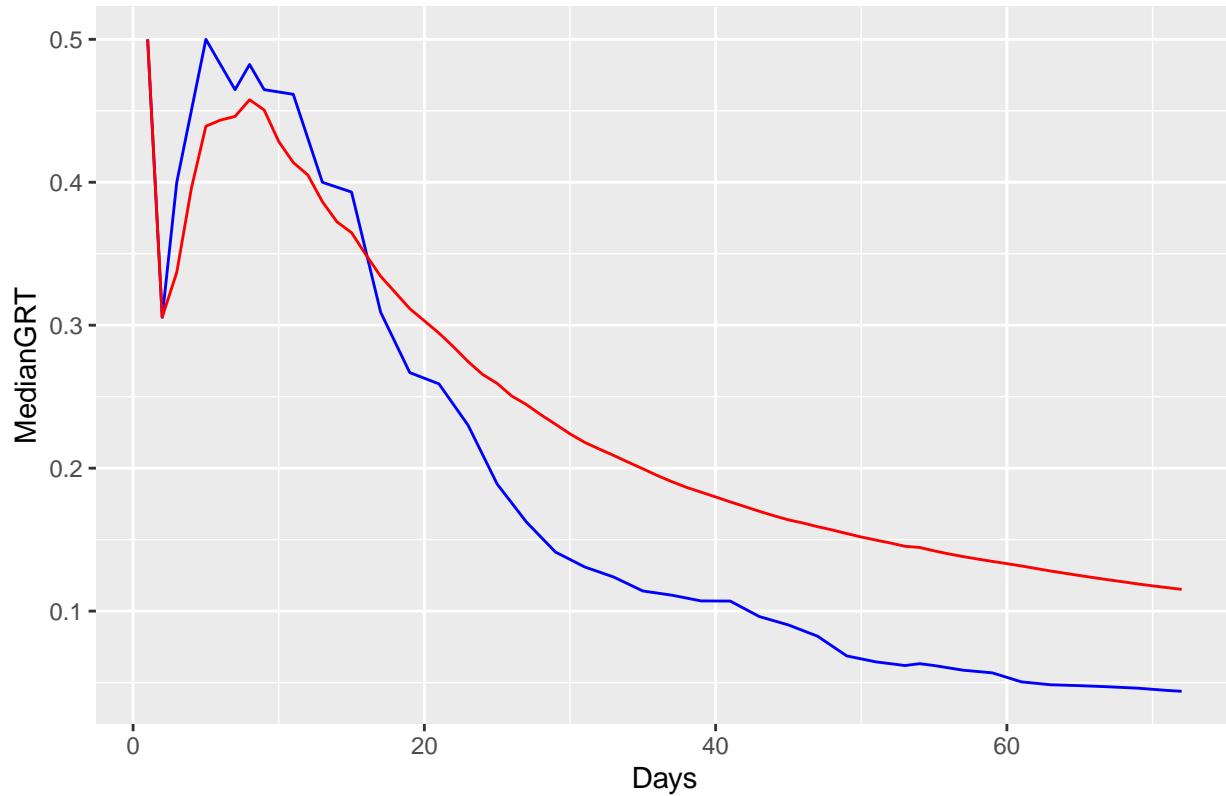
Arizona:newCases(Orange)



Arizona: TotalDeaths/TotalCases



Arizona Median(BLUE)VsMean(RED) Growth Rate

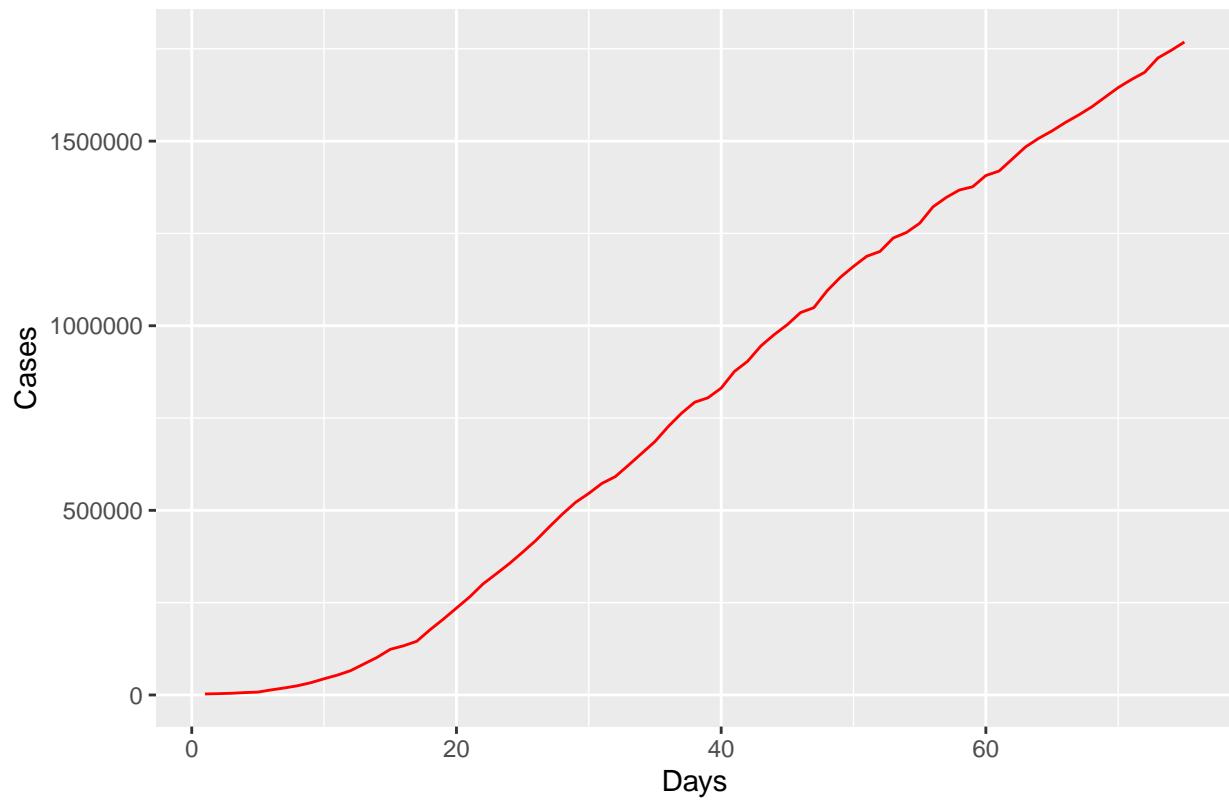


Results:

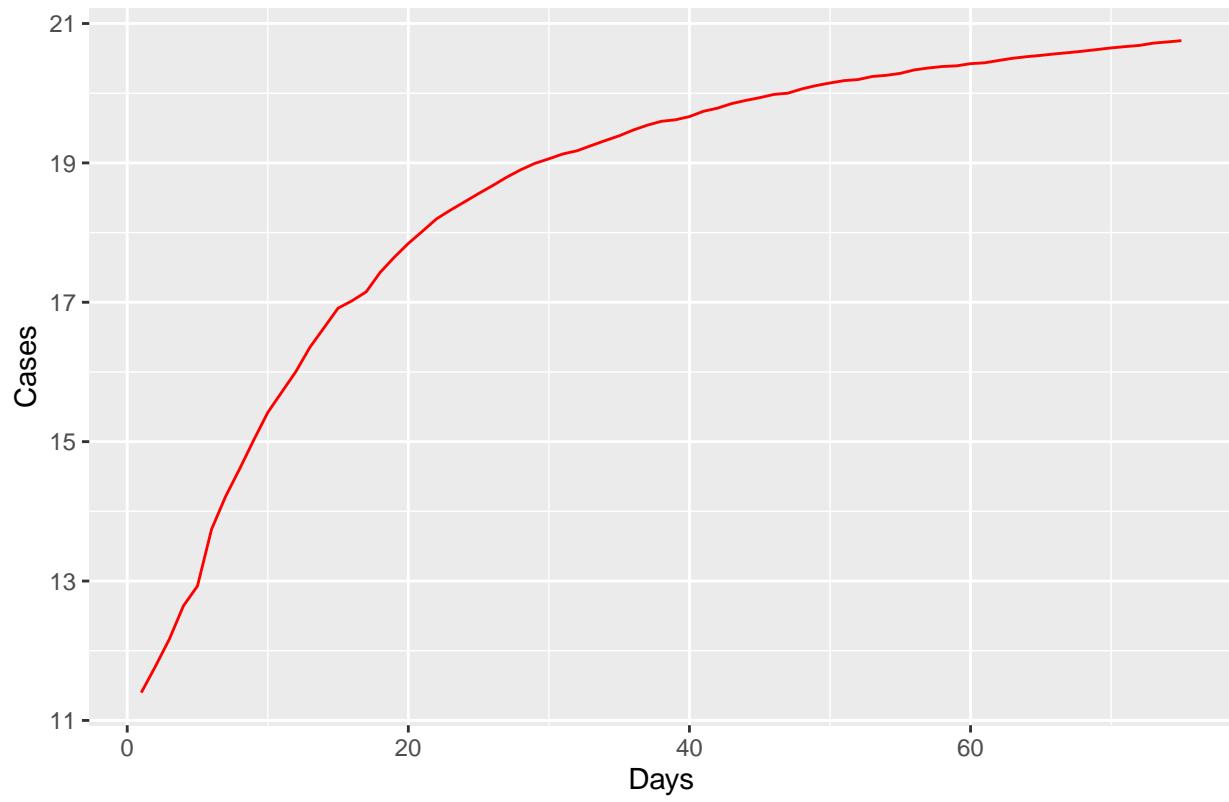
- Tomorrows predicted case number is between 1.8278541×10^4 and 1.980923×10^4 cases.
- Current doubling rate is **24 days**
- Mean doubling rate, i.e number of cases doubles every **6 days**.
- Median doubling rate, i.e number of cases doubles every **16 days**.
- Latest Observed Growth Rate **2.9023288** percent.
- Mean Growth Rate: **11.5196174** percent.
- Median Growth Rate: **4.3889674** percent.
- Standard deviation: +/- **14.9510652**.

US Corona Dashboard

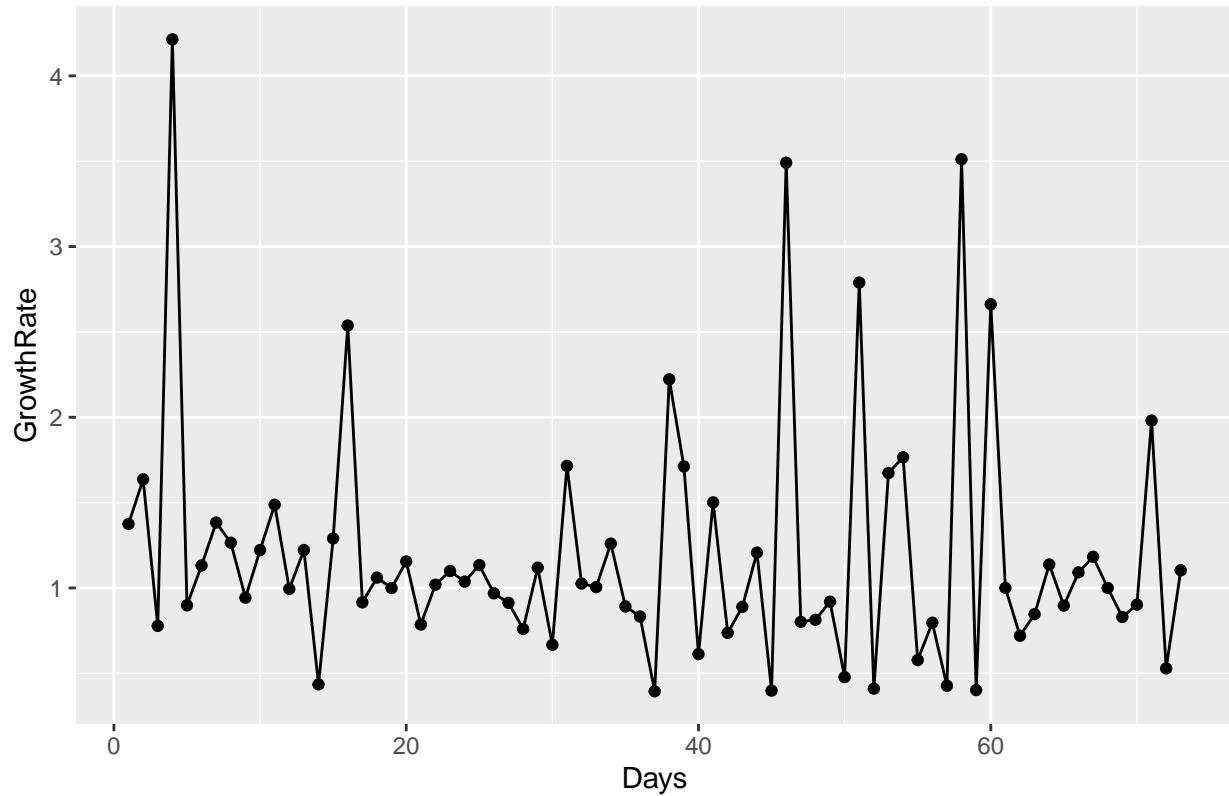
US: Daily Cases



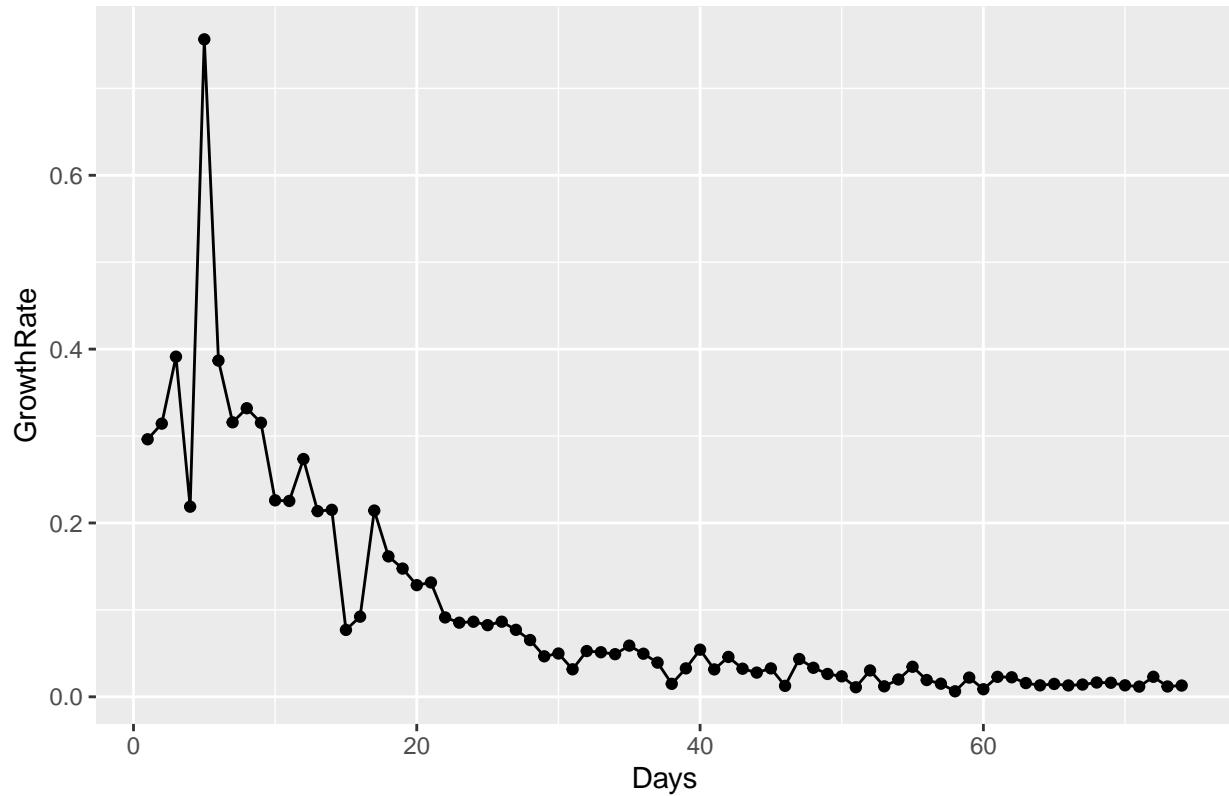
US: Daily Cases



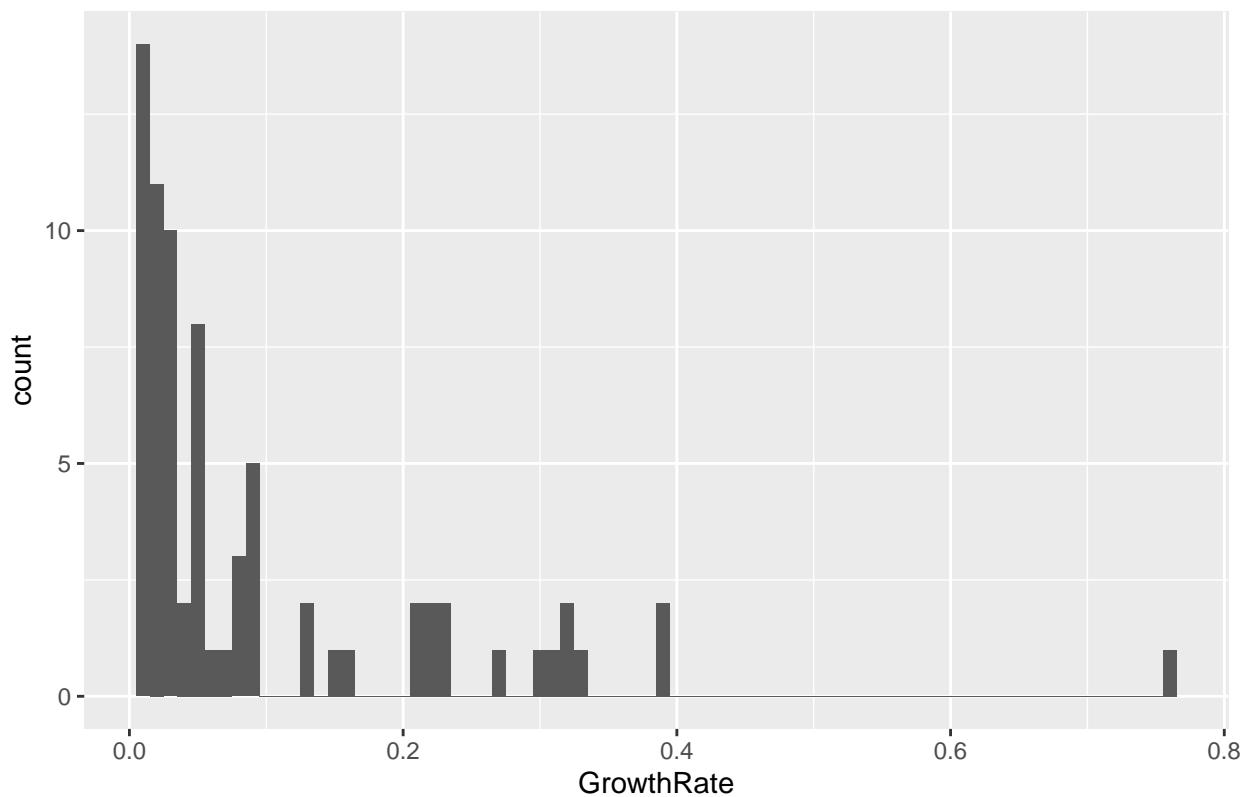
US: Rate of change in Growth Rate



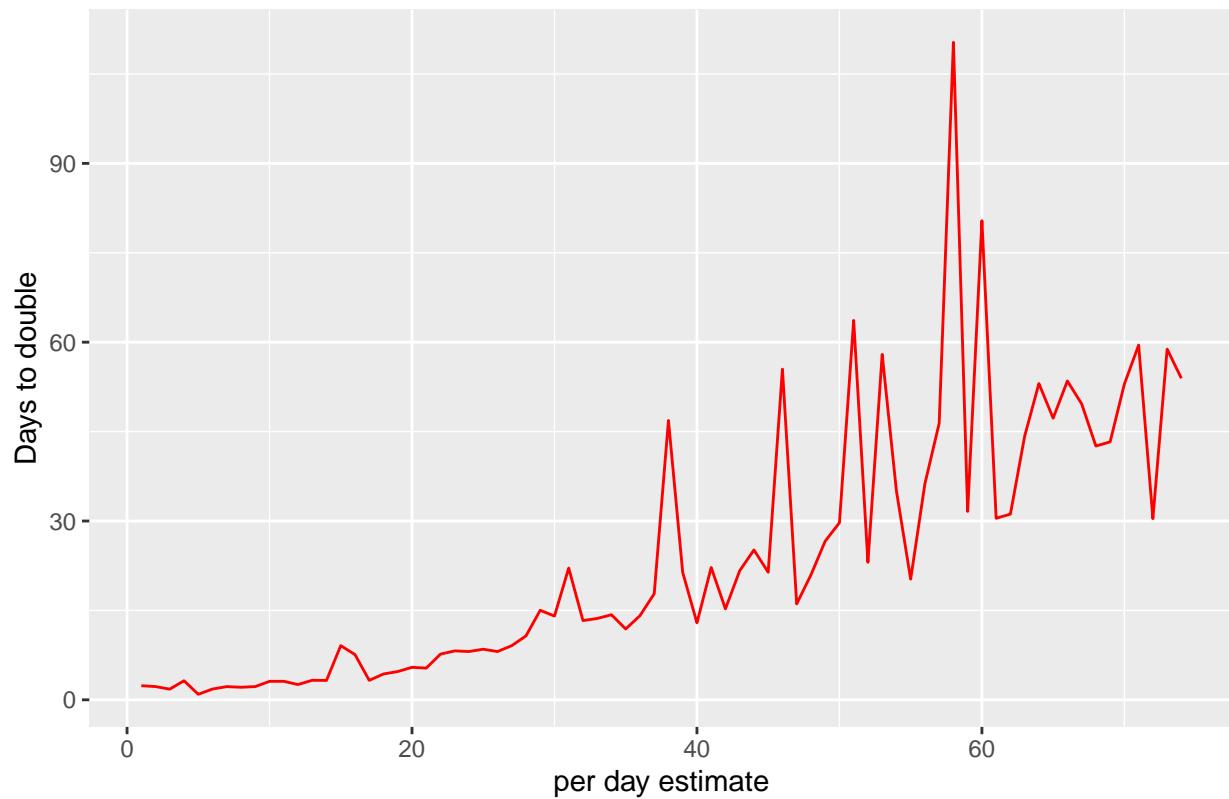
US: Growth Rate



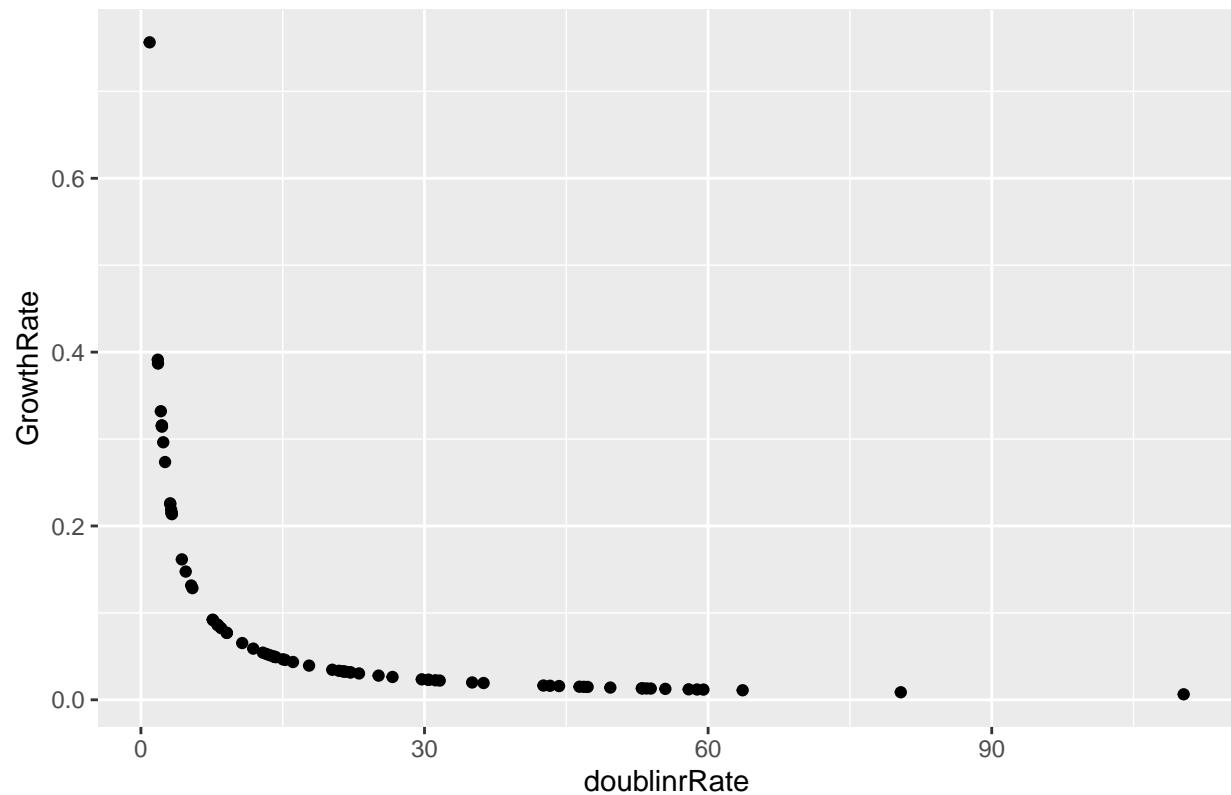
Histogram of GrowthRate



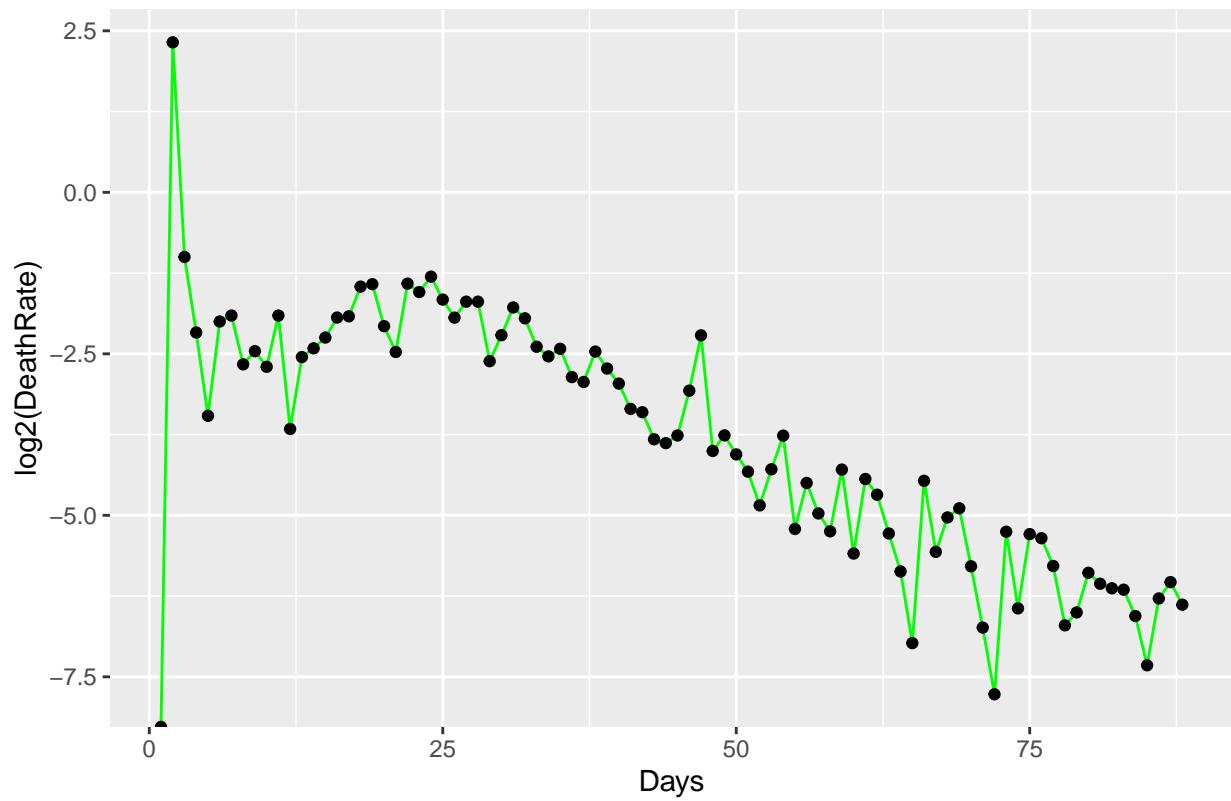
Doubling Rate in days



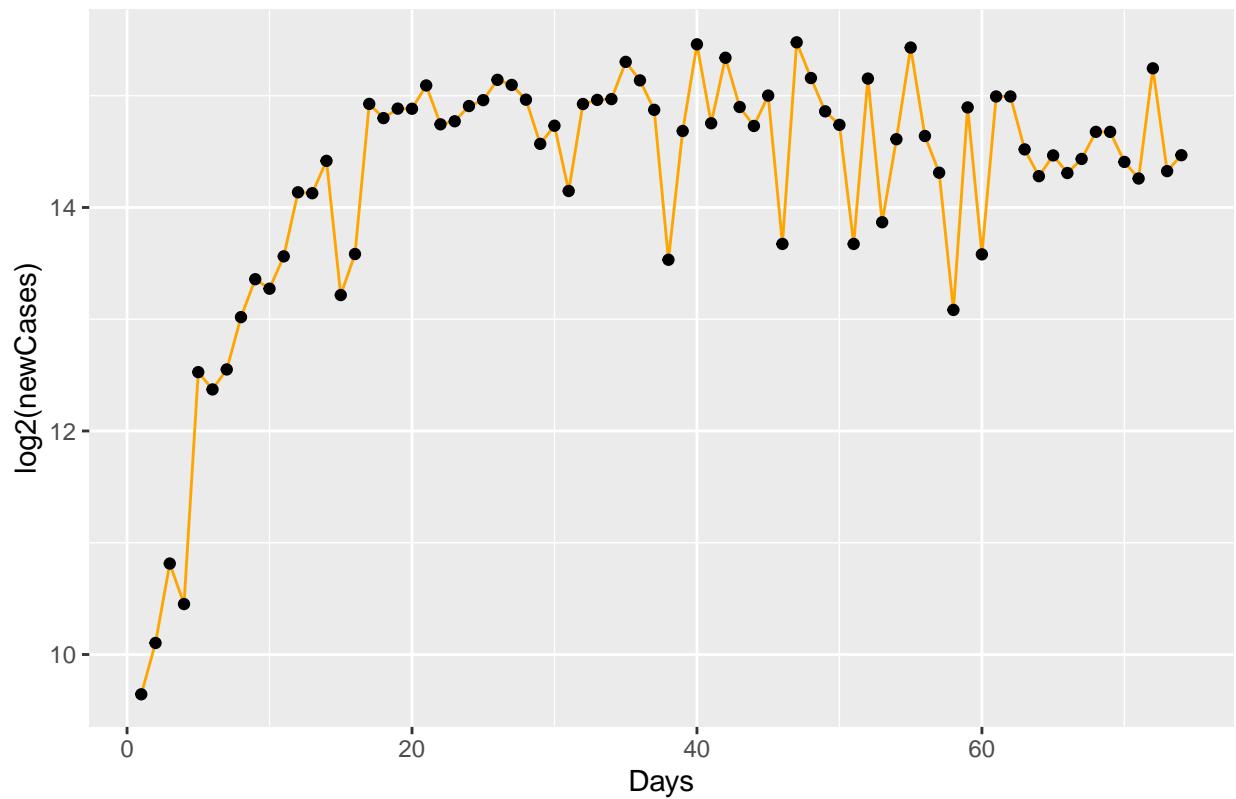
Doubling Rate vs Growth Rate



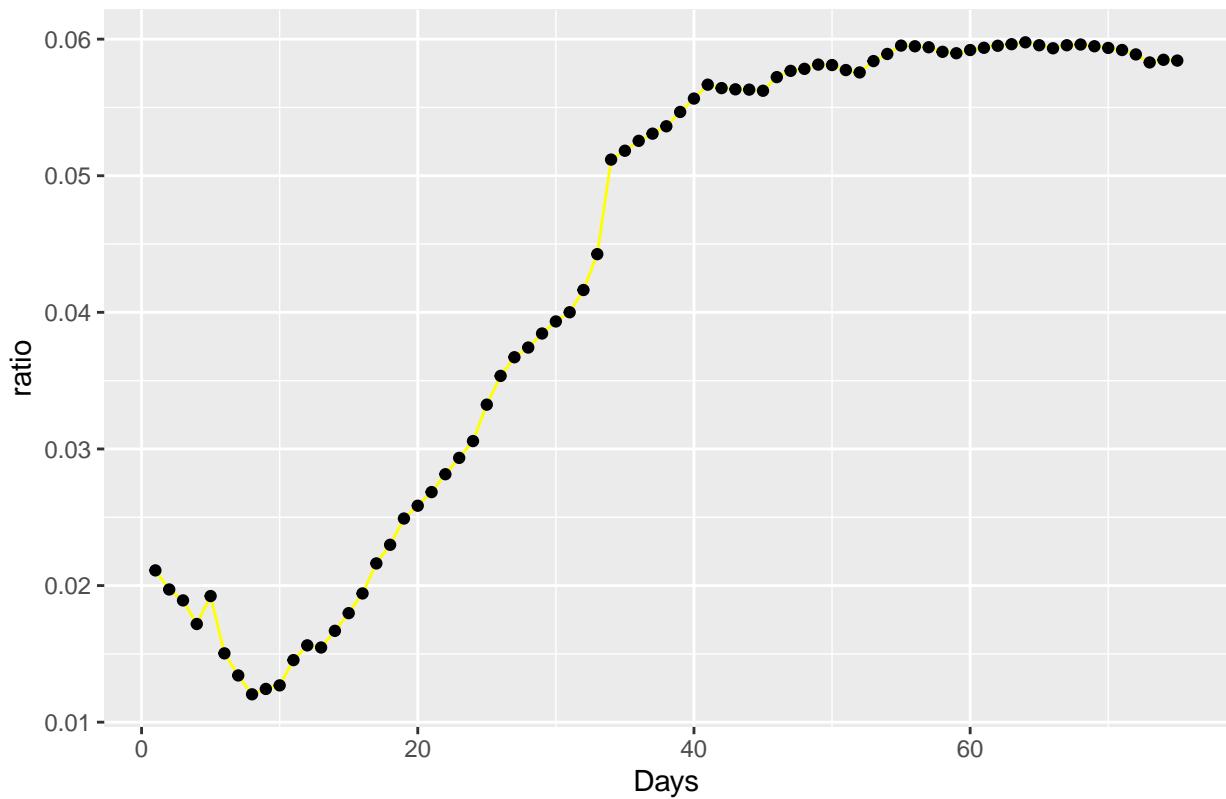
US: Daily Death Rate



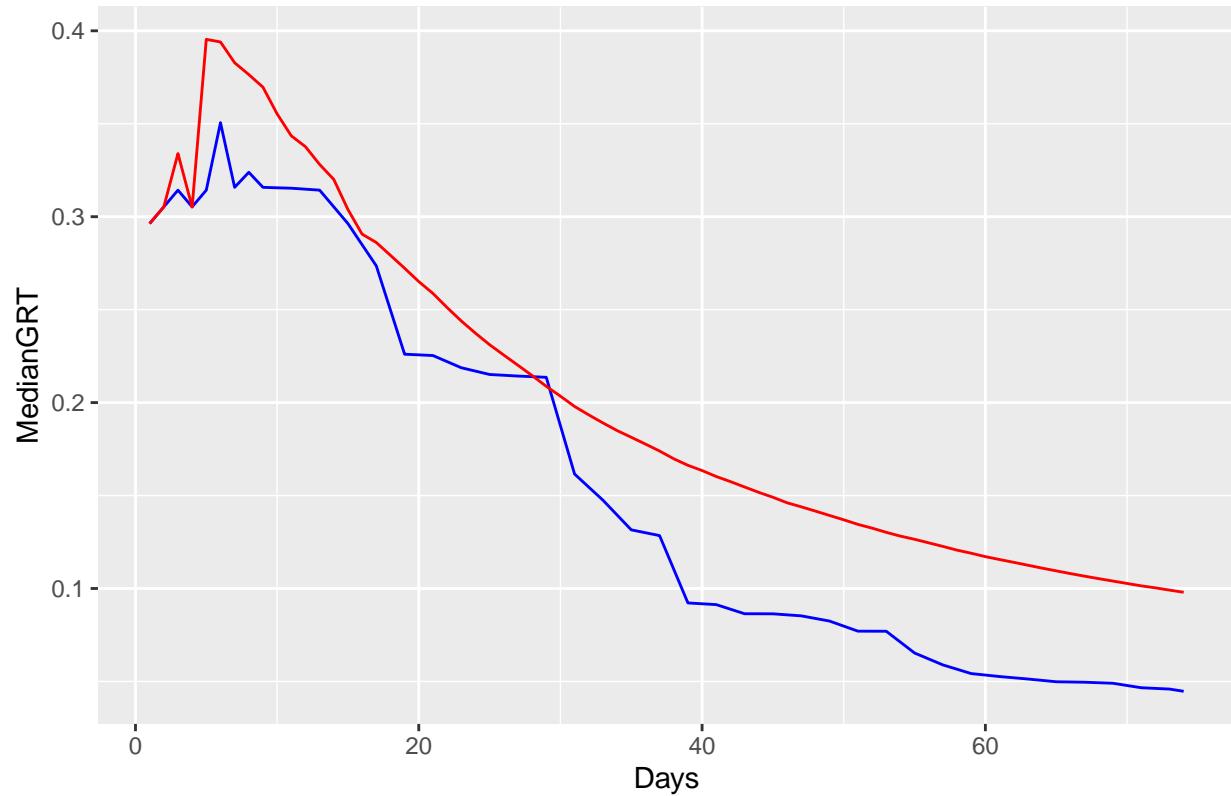
US:newCases(Orange)



US: TotalDeaths/TotalCases



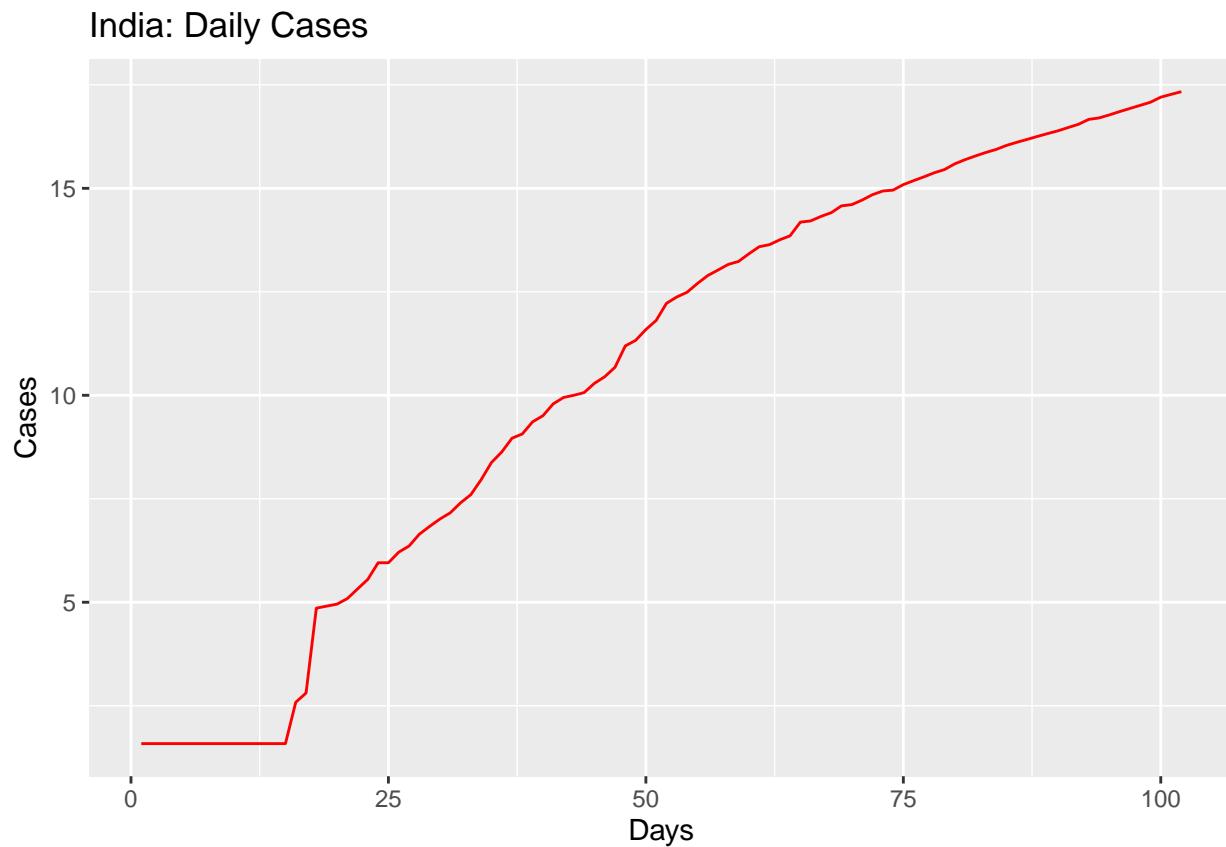
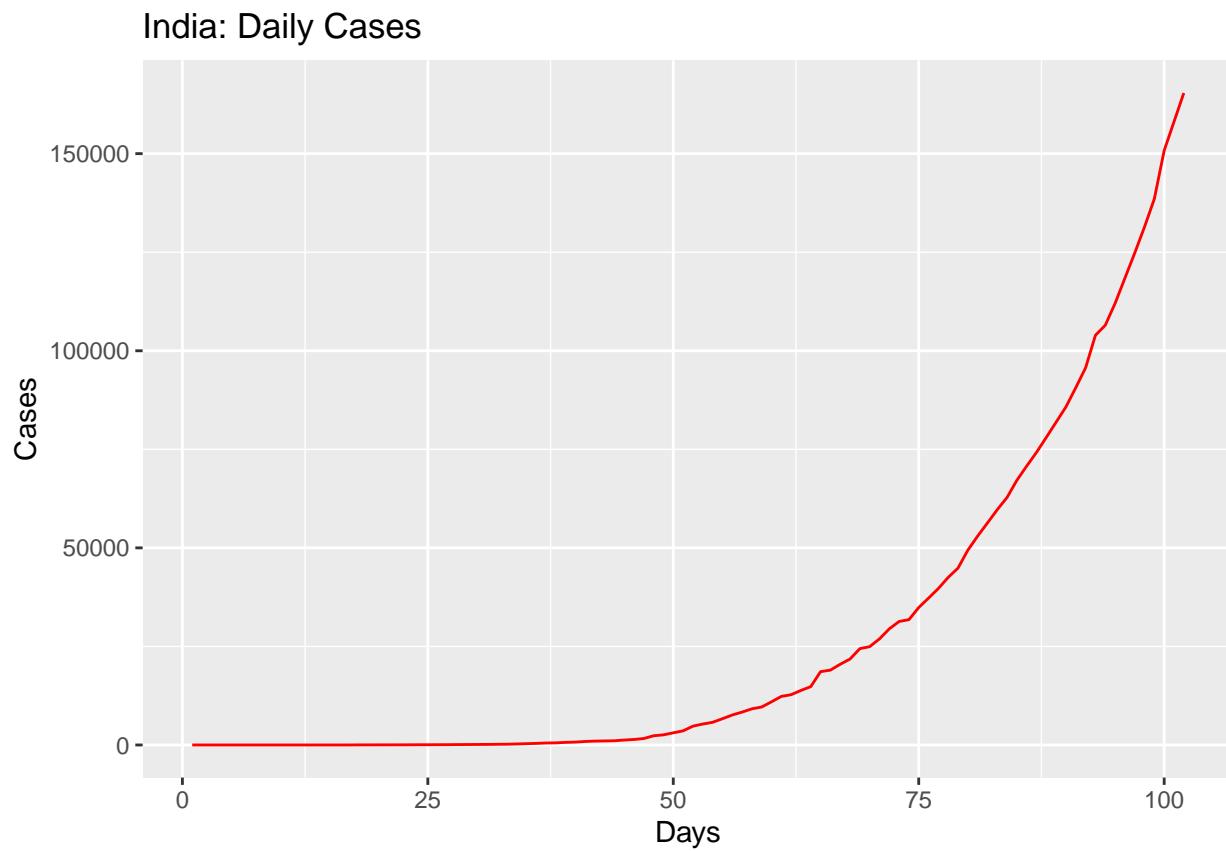
US Median(BLUE)VsMean(RED) Growth Rate



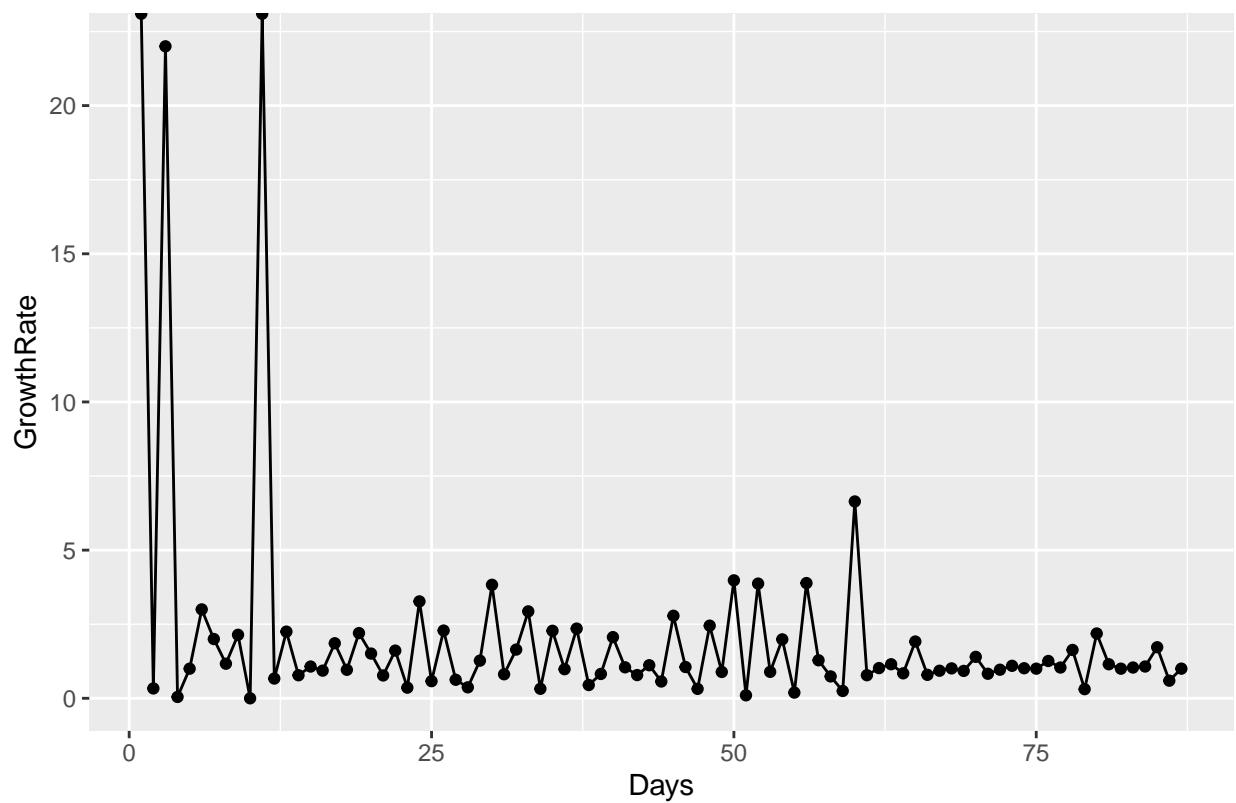
Results:

- Tomorrows predicted case number is between 1.7914131×10^6 and 1.94171×10^6 cases.
- Current doubling rate is **54 days**
- Mean doubling rate, i.e number of cases doubles every **7 days**.
- Median doubling rate, i.e number of cases doubles every **16 days**.
- Latest Observed Growth Rate **1.2978555** percent.
- Mean Growth Rate: **9.7965989** percent.
- Median Growth Rate: **4.4697597** percent.
- Standard deviation: +/- **12.874462**.

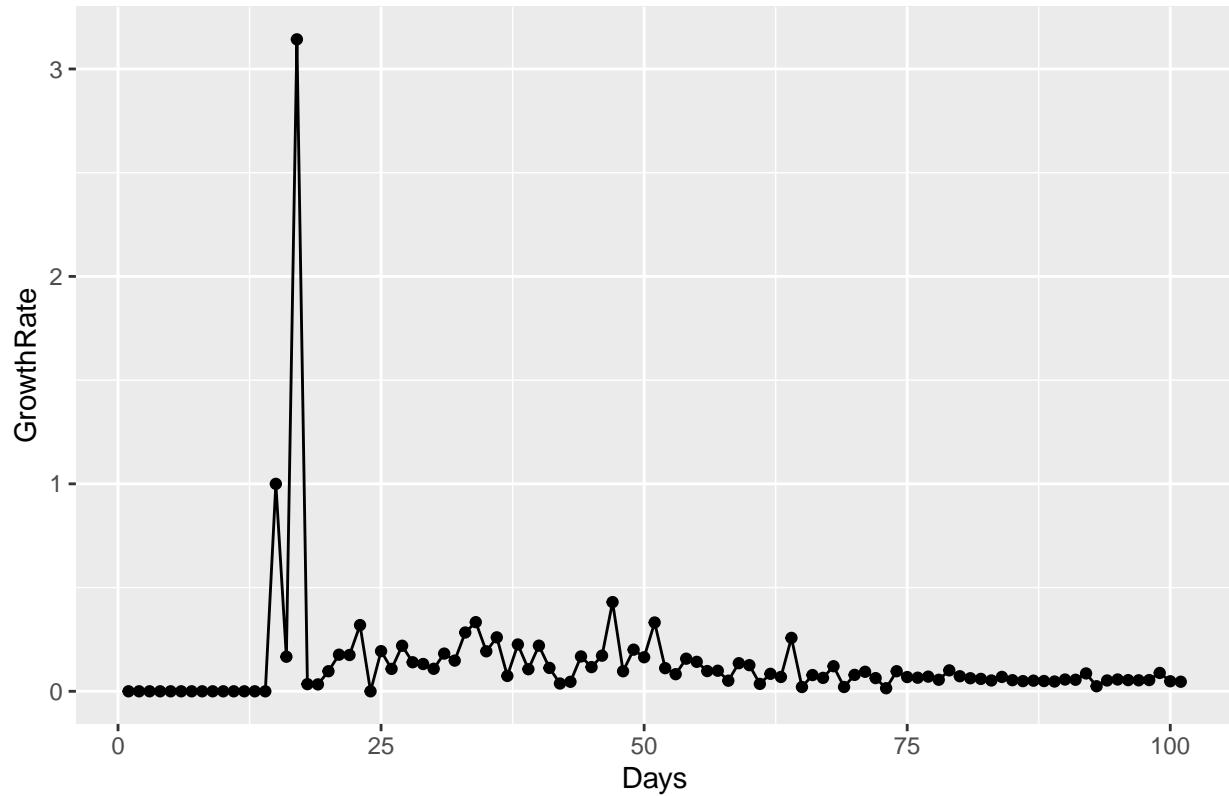
India Corona Dashboard



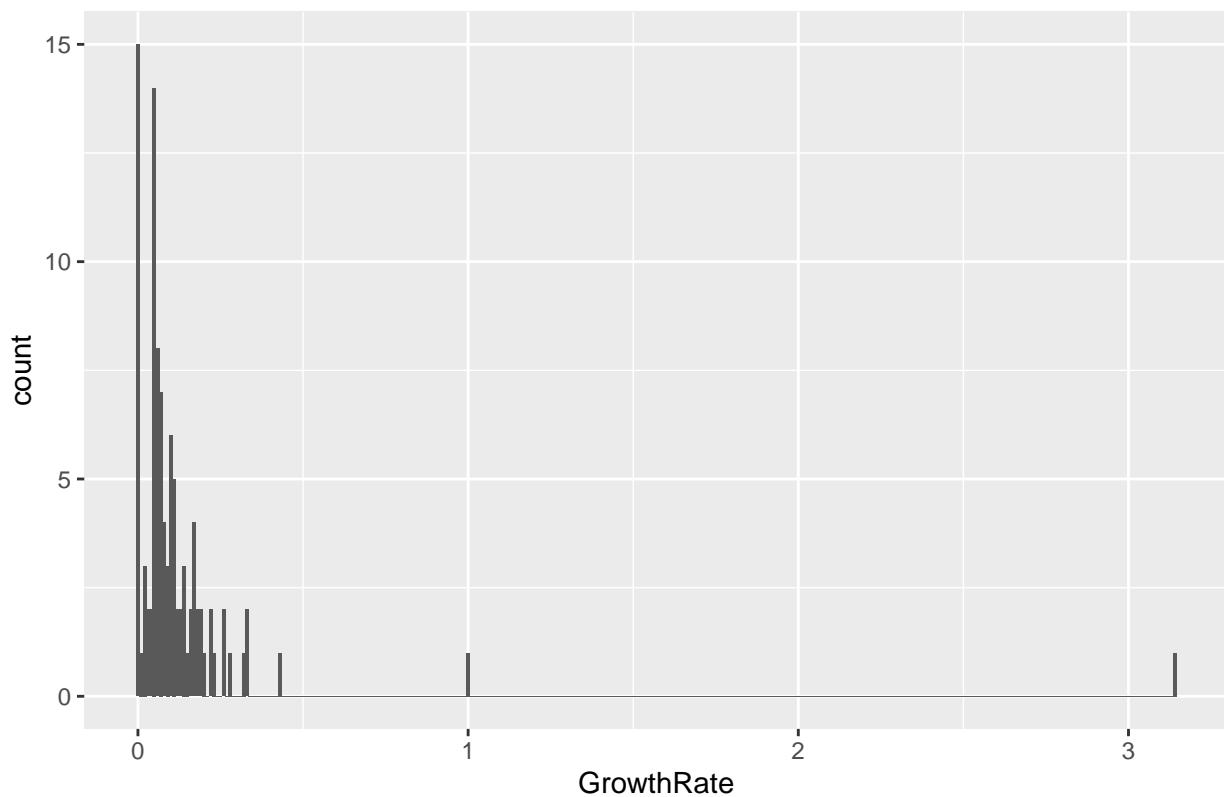
US: Rate of change in Growth Rate



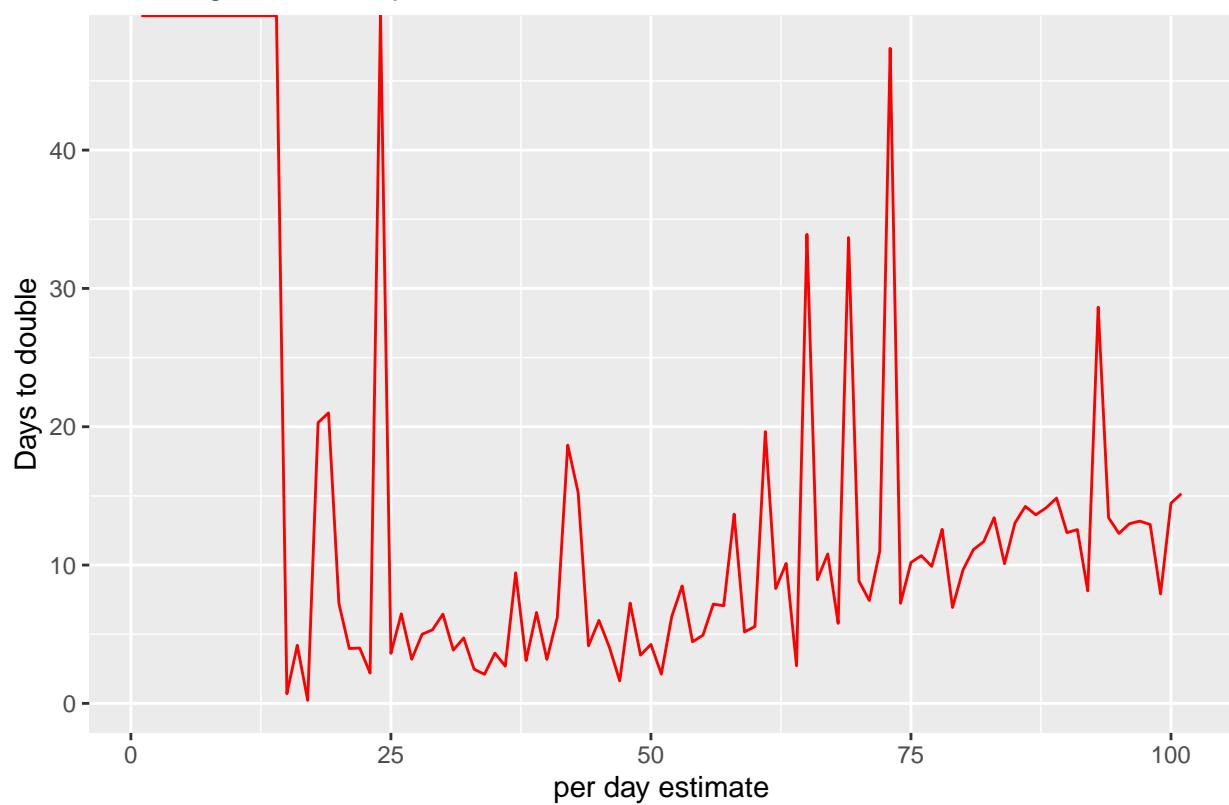
India: Growth Rate



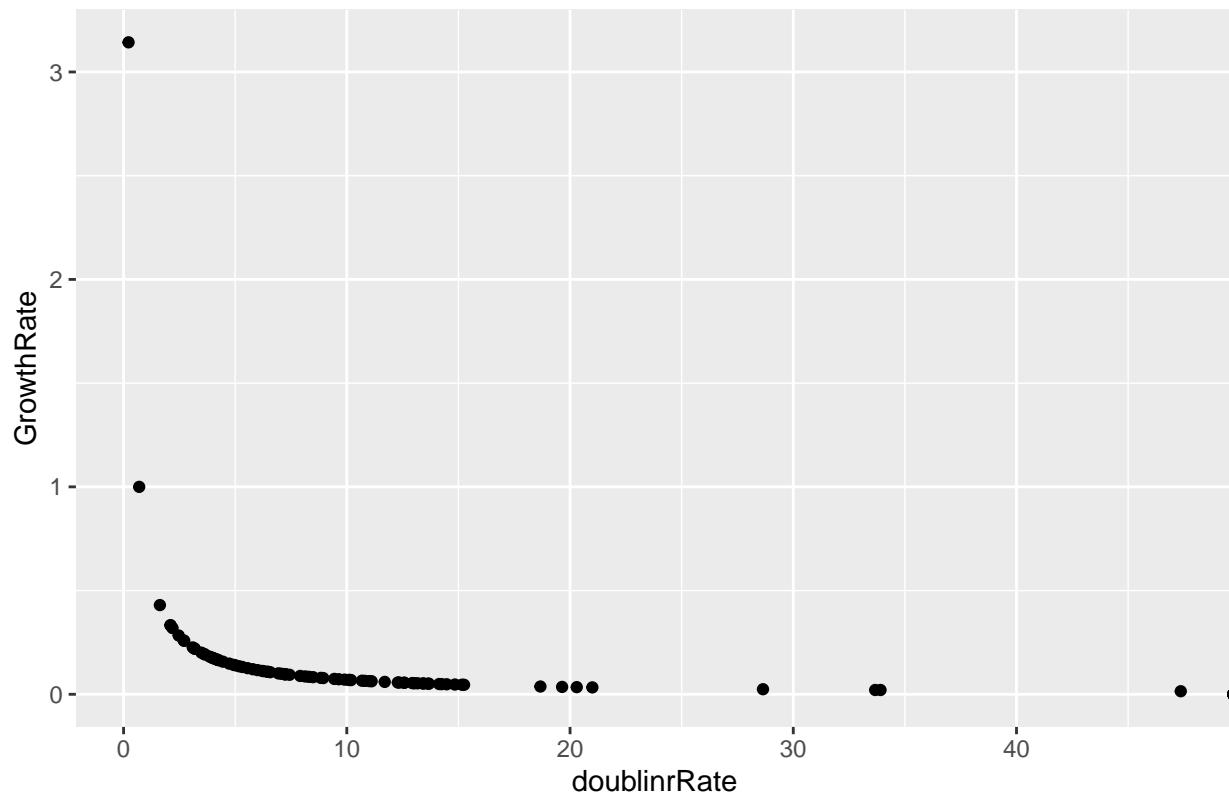
Histogram of GrowthRate



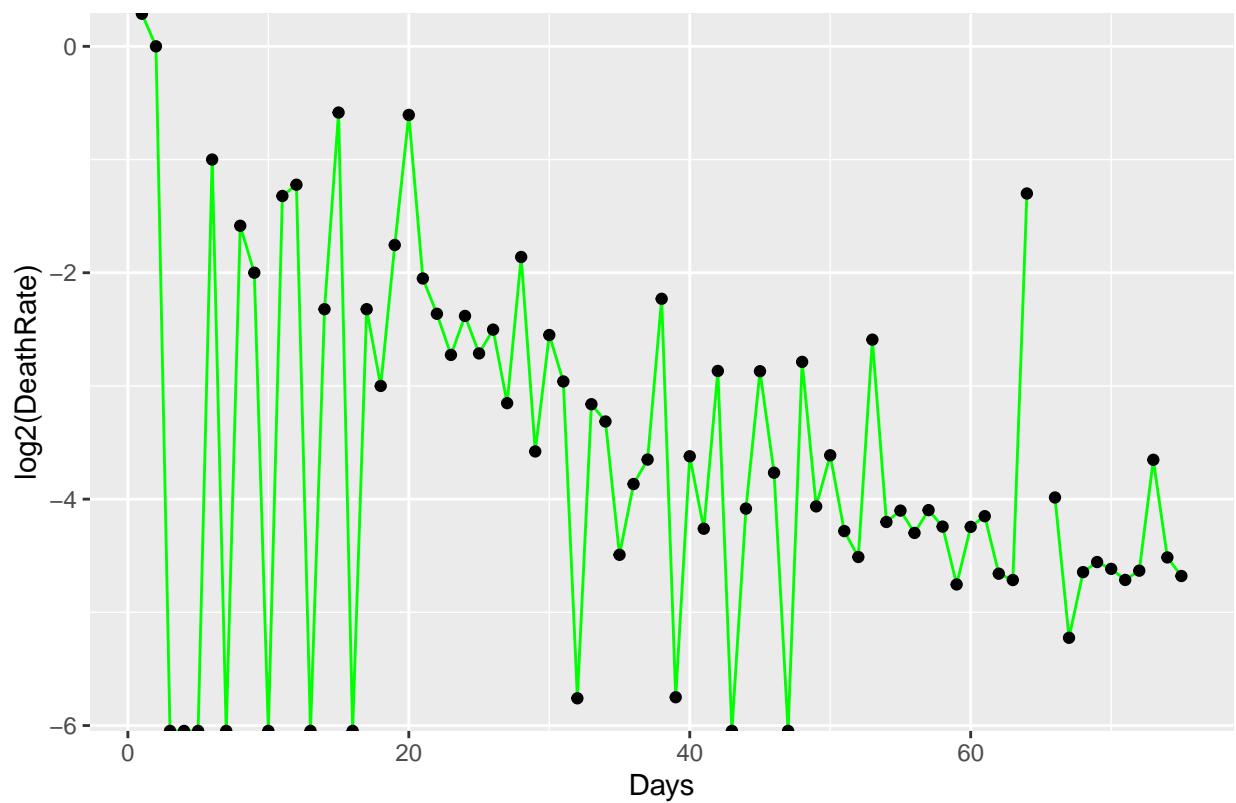
Doubling Rate in days



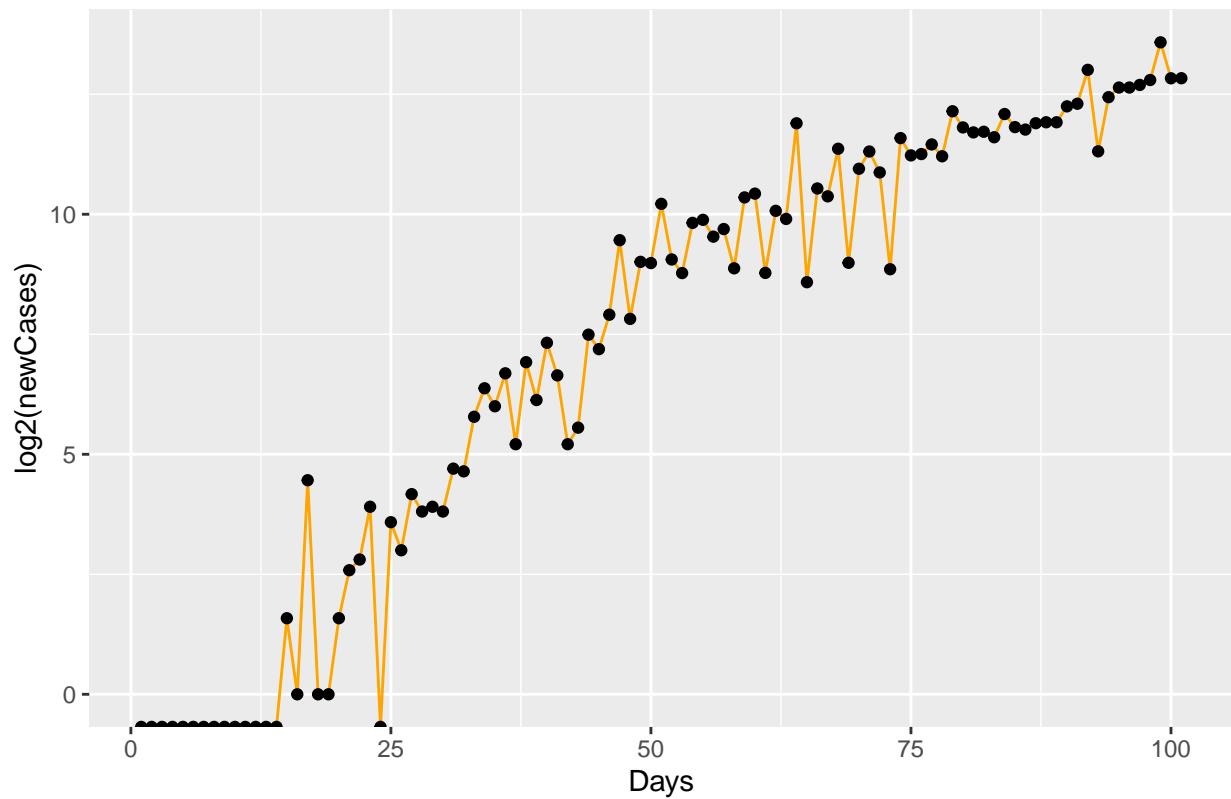
Doubling Rate vs Growth Rate



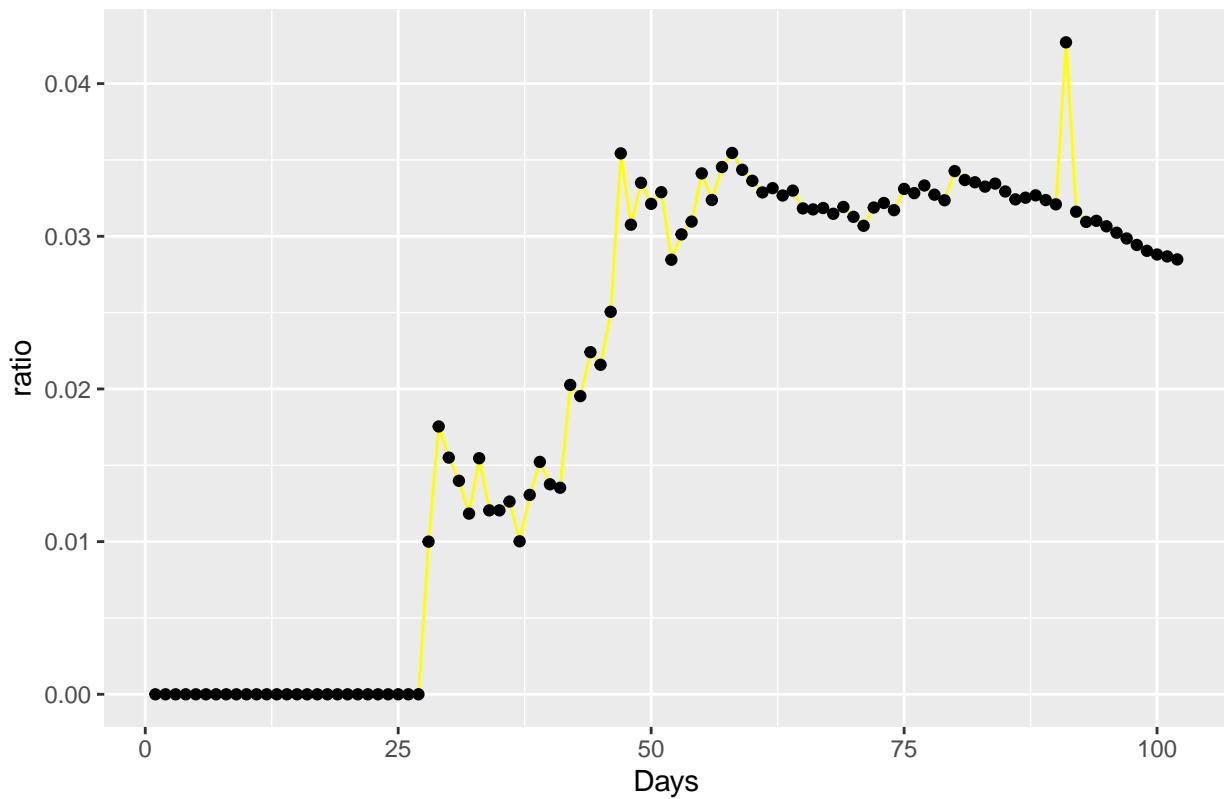
India: Daily Death Rate



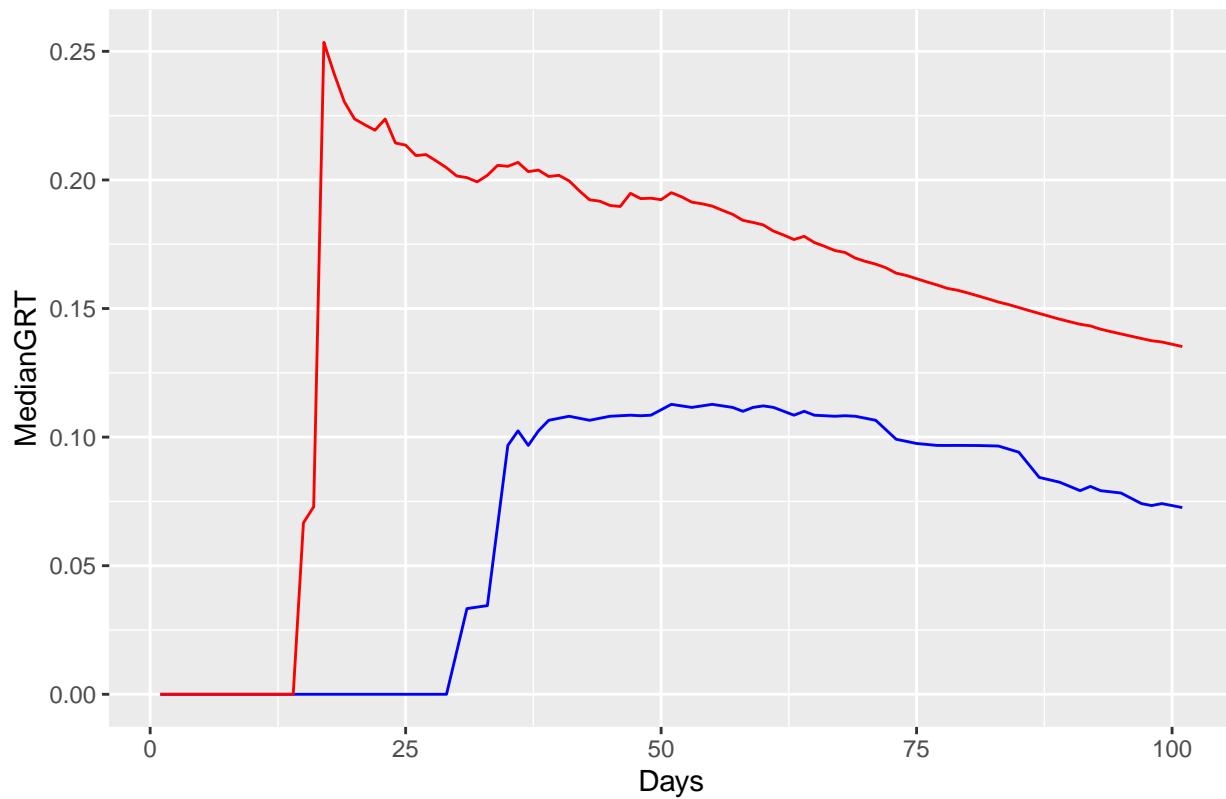
India:newCases(Orange)



India: TotalDeaths/TotalCases



India Median(BLUE)VsMean(RED) Growth Rate



Results:

- Tomorrows predicted case number is between 1.7302309×10^5 and 1.8774836×10^5 cases.
- Current doubling rate is **15 days**
- Mean doubling rate, i.e number of cases doubles every **5 days**.
- Median doubling rate, i.e number of cases doubles every **10 days**.
- Latest Observed Growth Rate **4.6177397** percent.
- Mean Growth Rate: **13.5213113** percent.
- Median Growth Rate: **7.2611336** percent.
- Standard deviation: +/- **32.6536031**.