

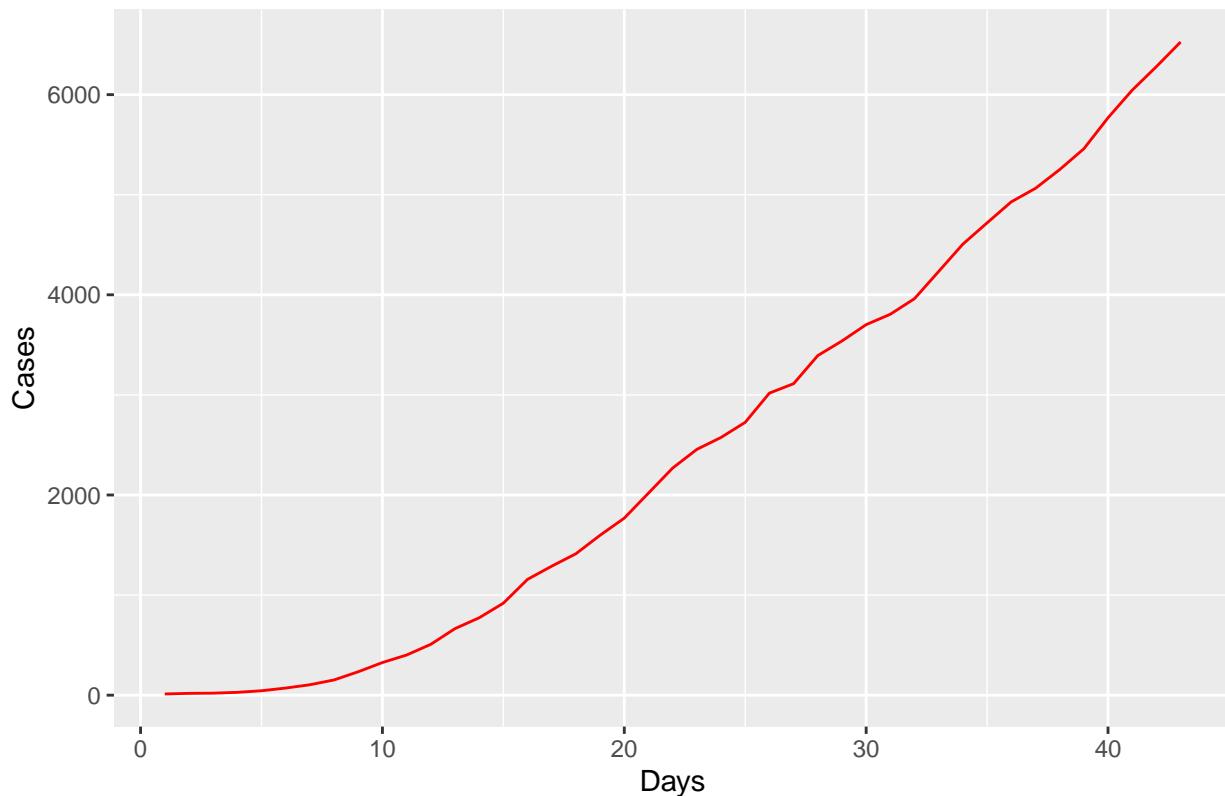
Arizona/US/India Corona Trends- 26th April 2020 with tomorrow's prediction

Whitchurch Muthumani

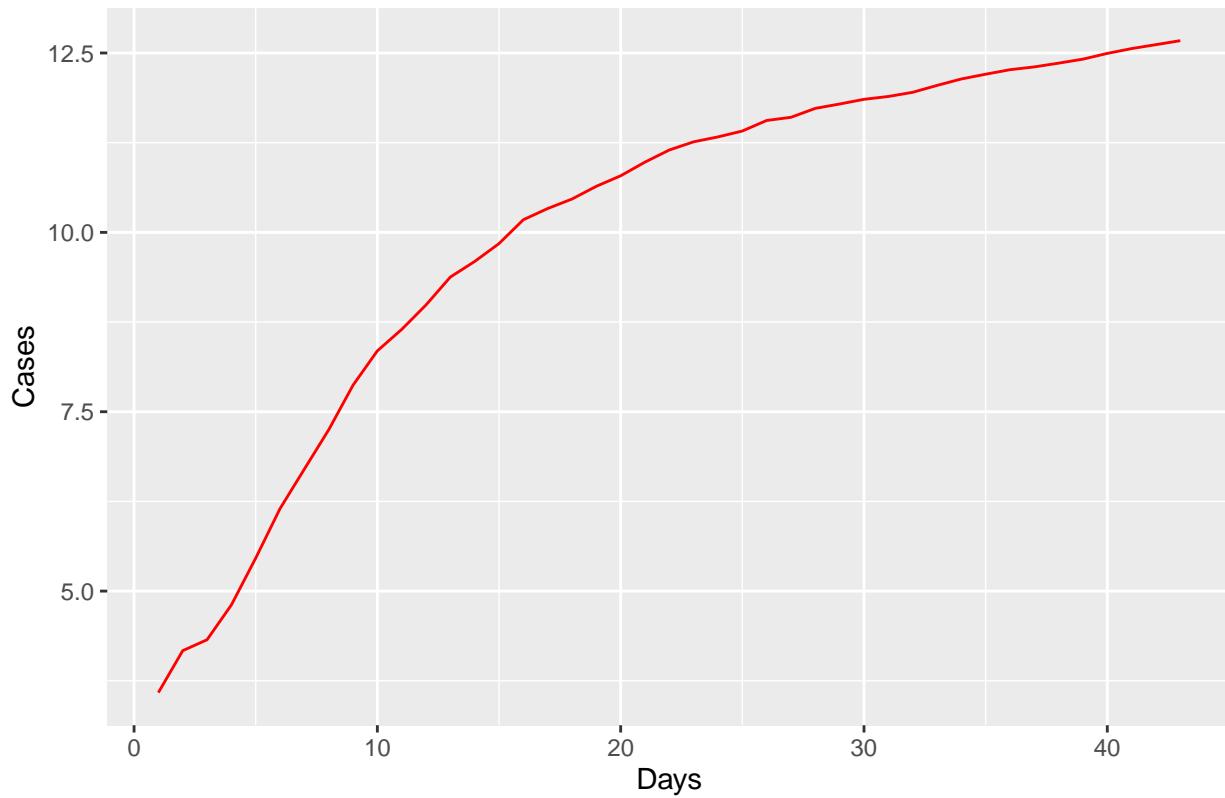
4/26/2020

Arizona Corona Dashboard

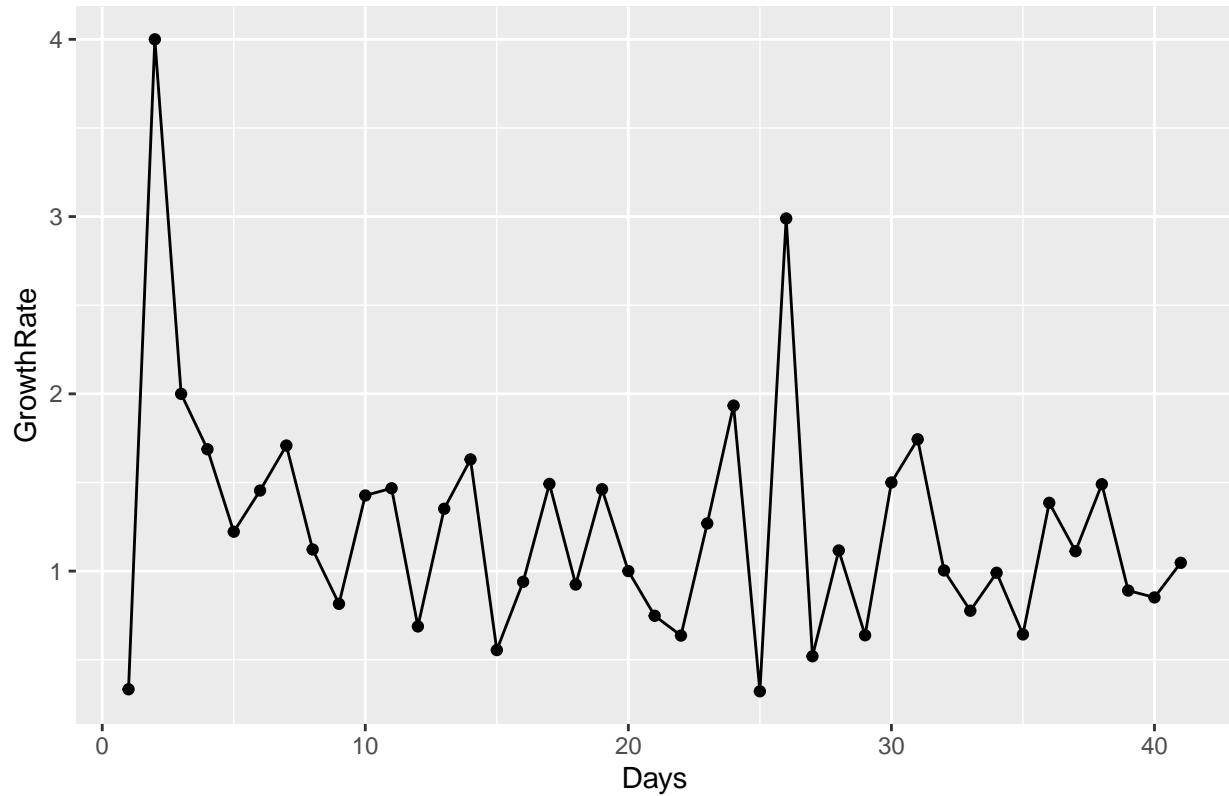
Arizona: Daily Cases



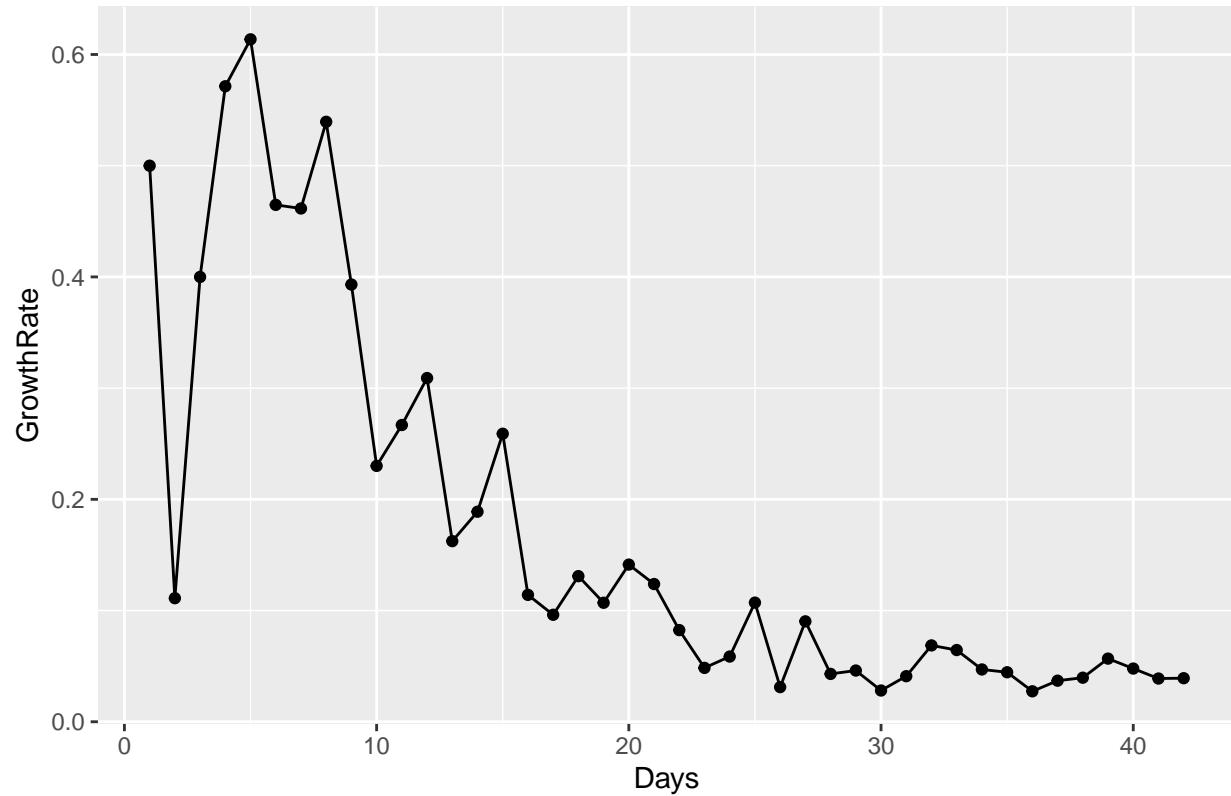
Arizona: Daily Cases



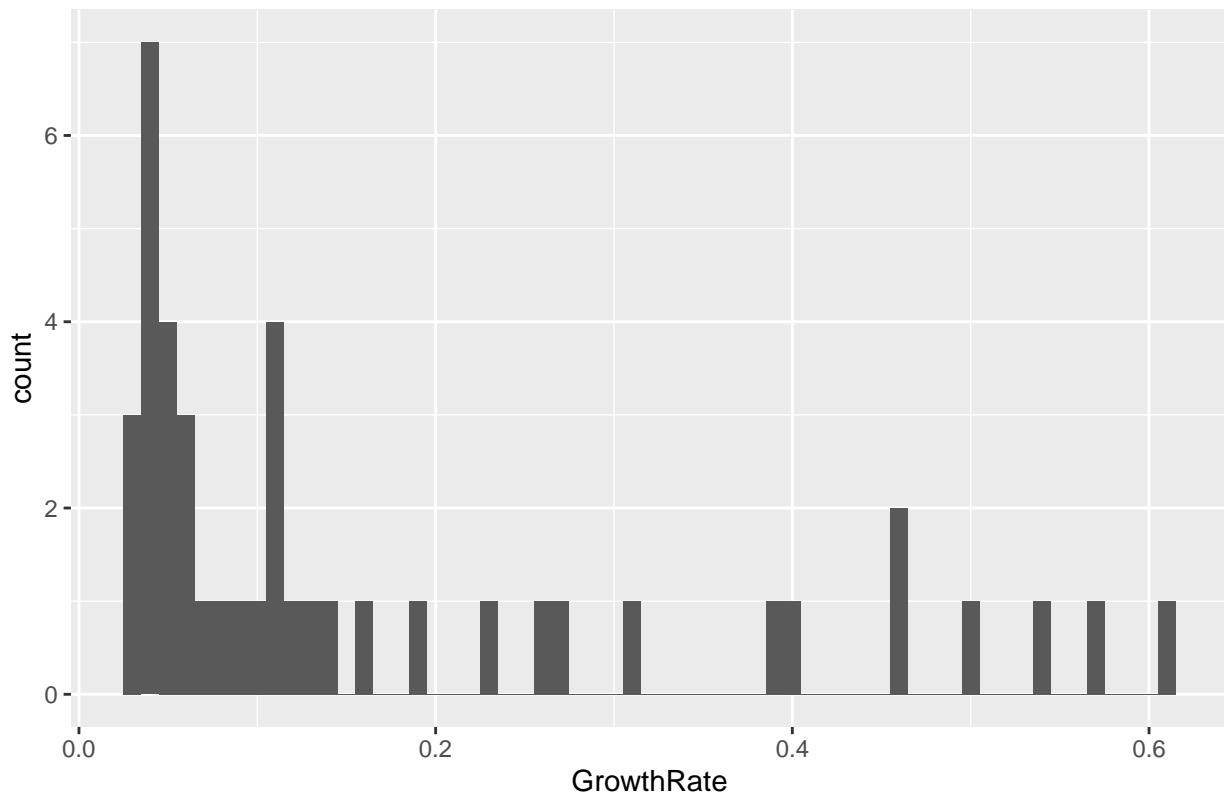
Arizona: Rate of change in Growth Rate



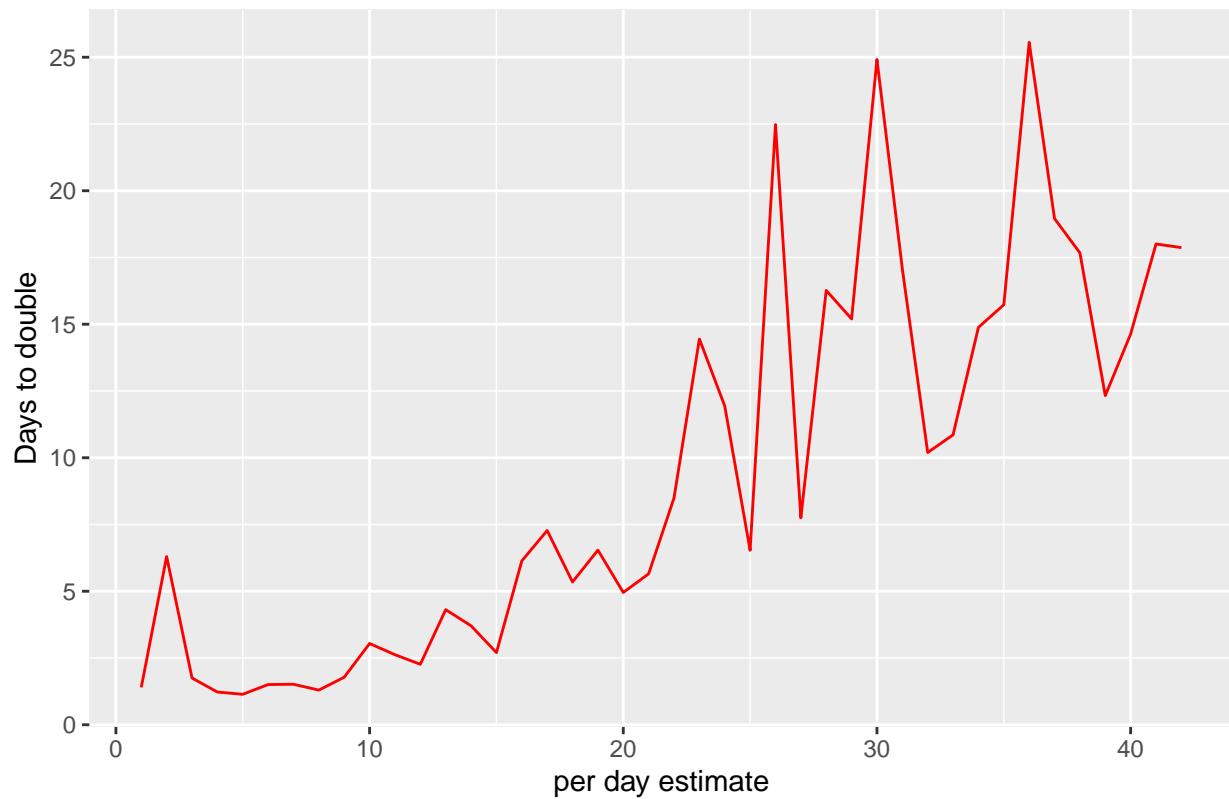
Arizona: Growth Rate



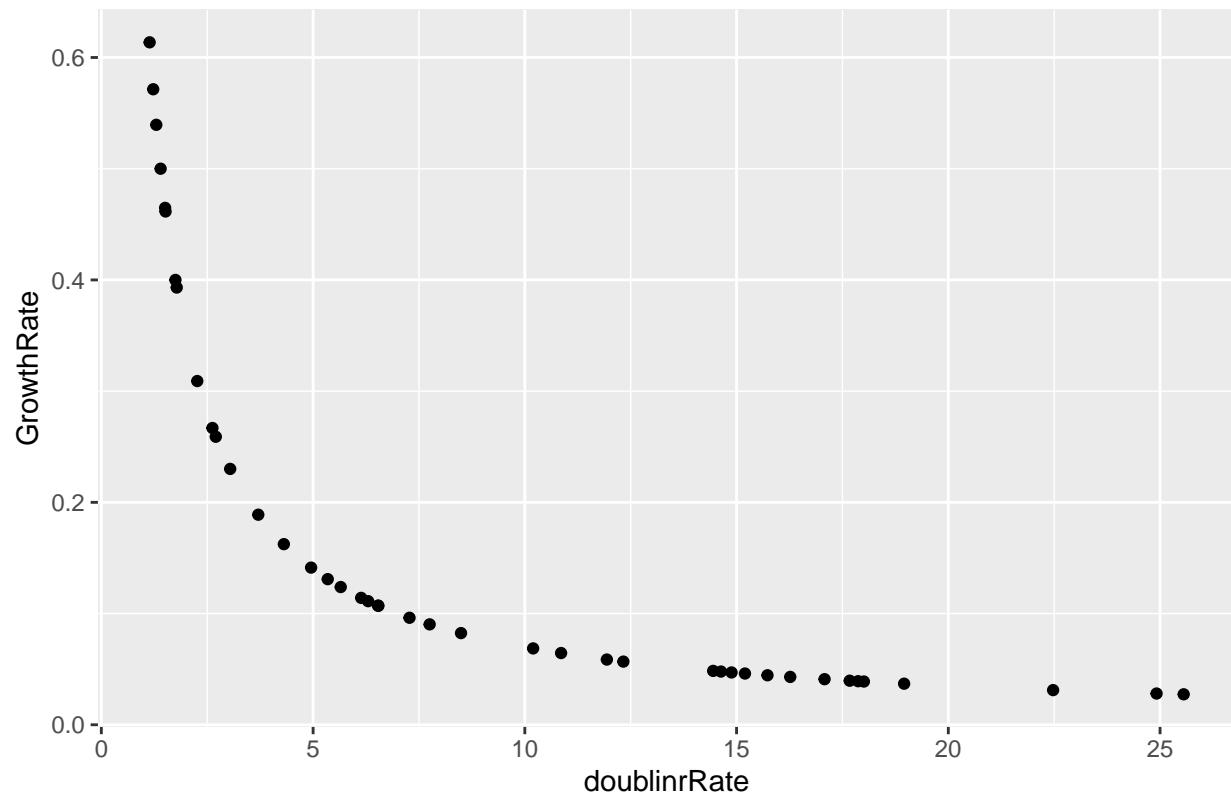
Histogram of GrowthRate



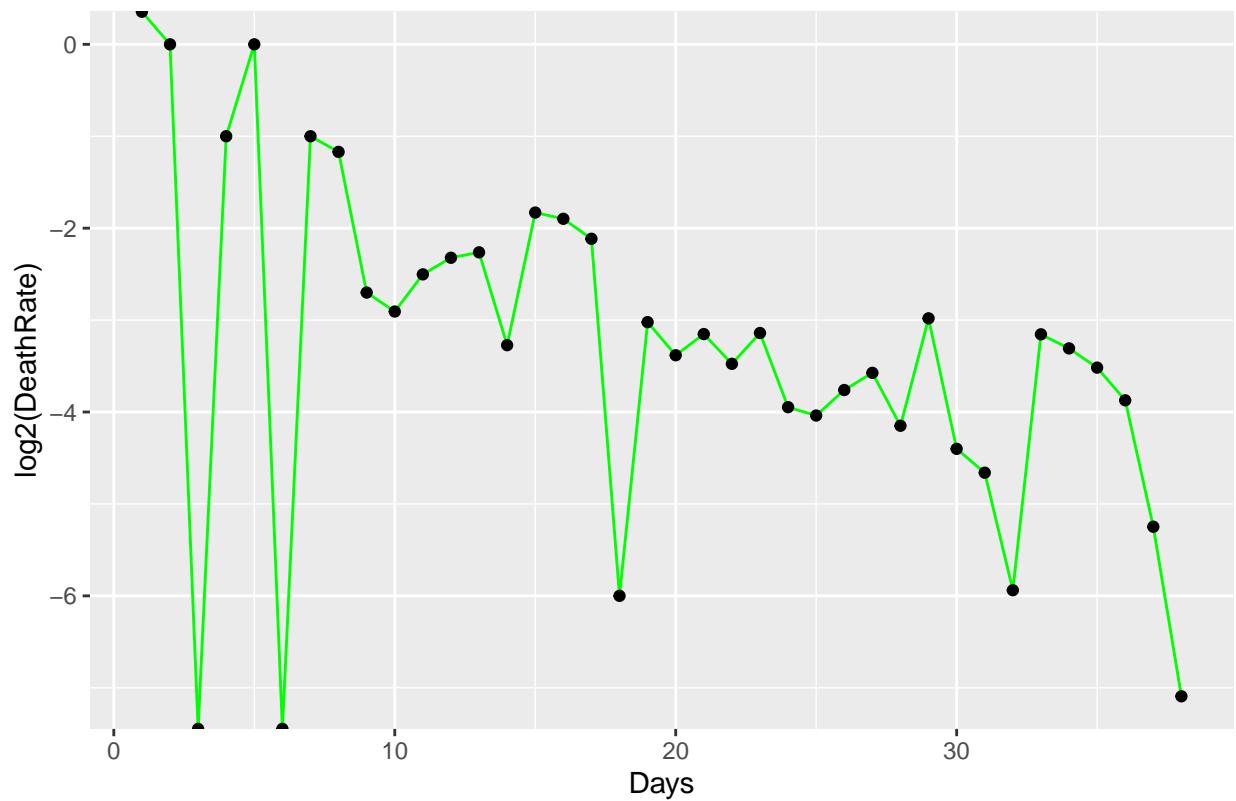
Doubling Rate in days



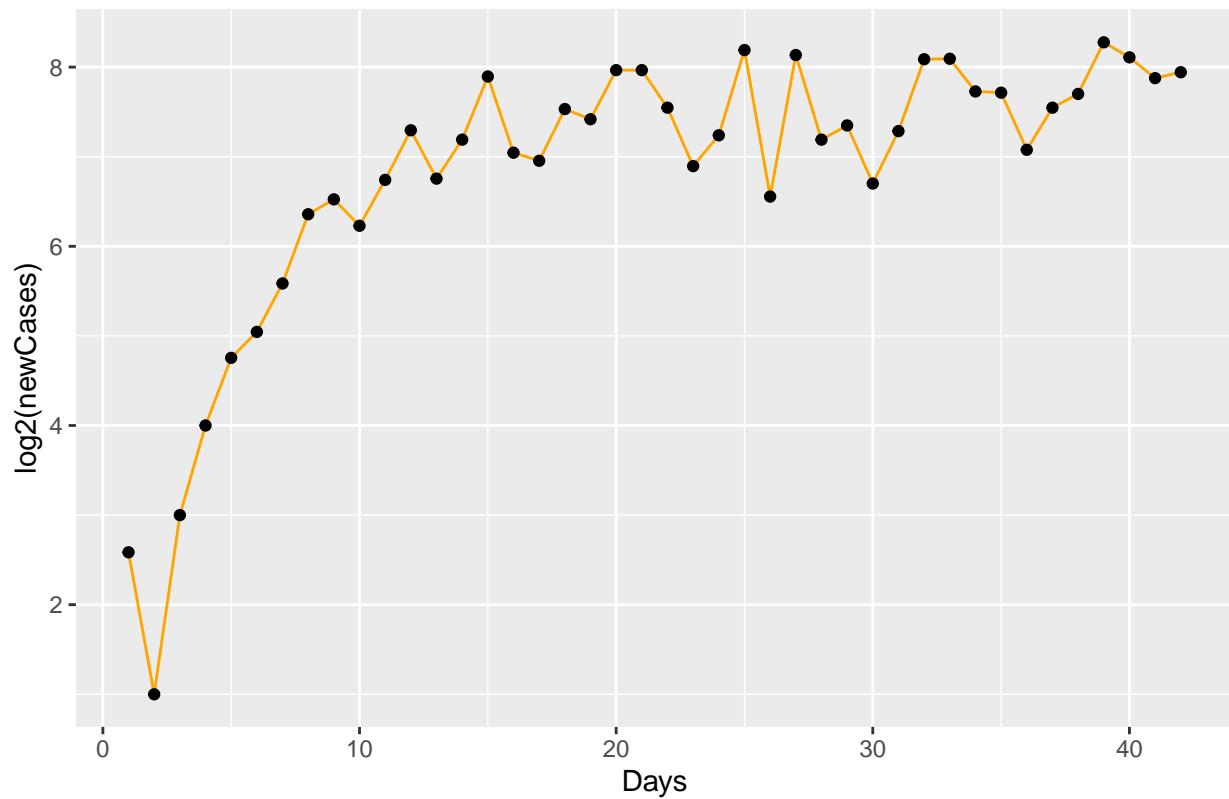
Doubling Rate vs Growth Rate



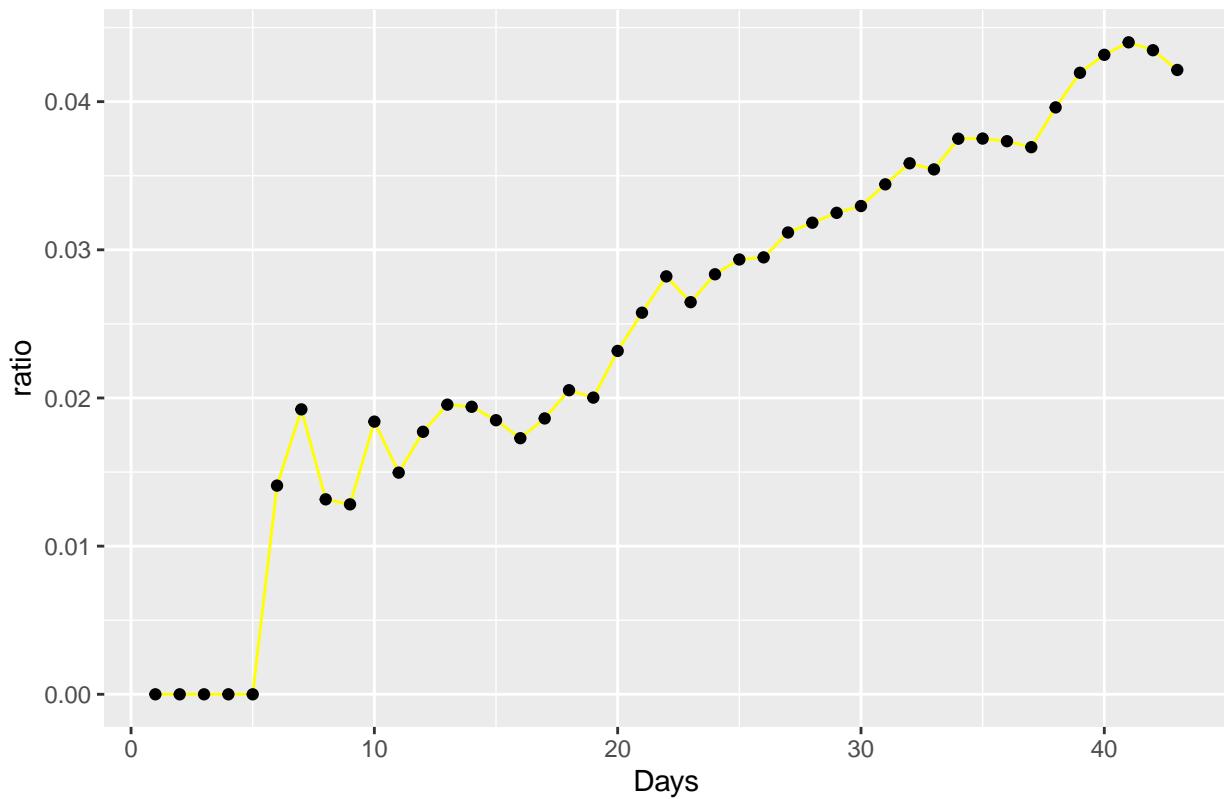
Arizona: Daily Death Rate



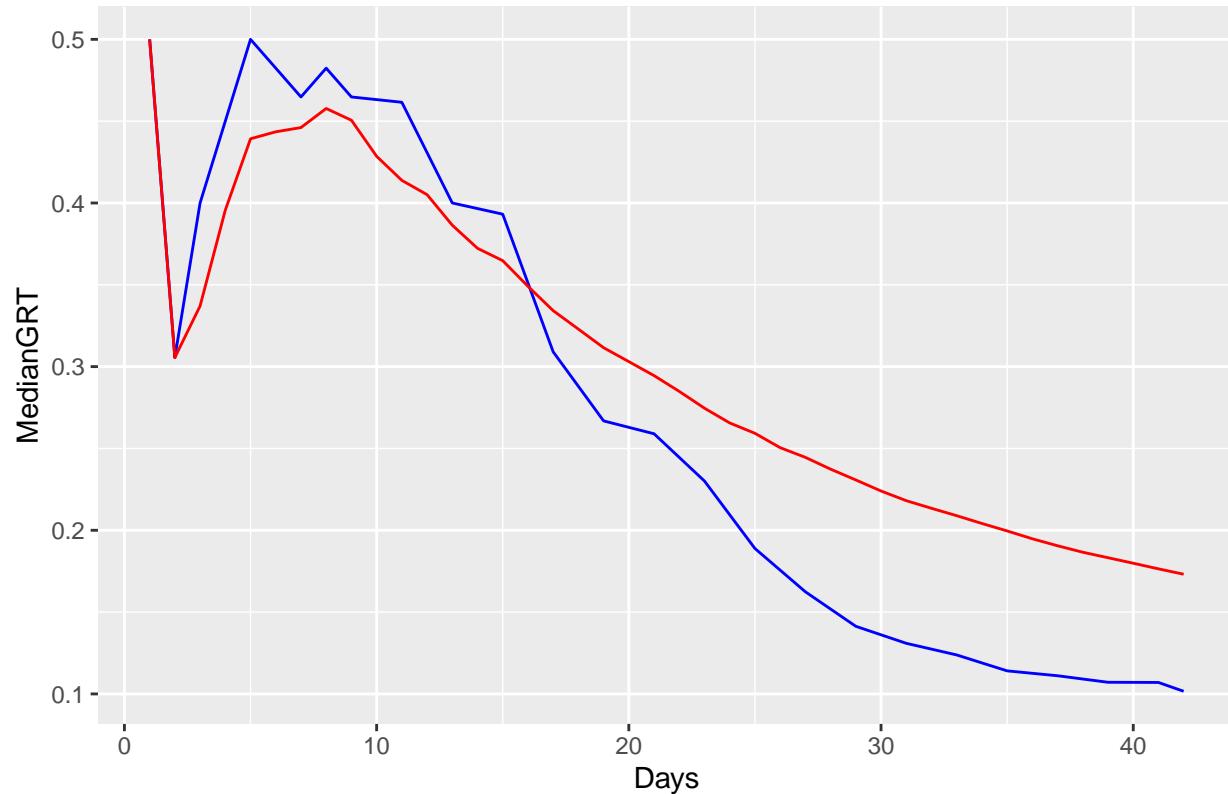
Arizona:newCases(Orange)



Arizona: TotalDeaths/TotalCases



Arizona Median(BLUE)VsMean(RED) Growth Rate

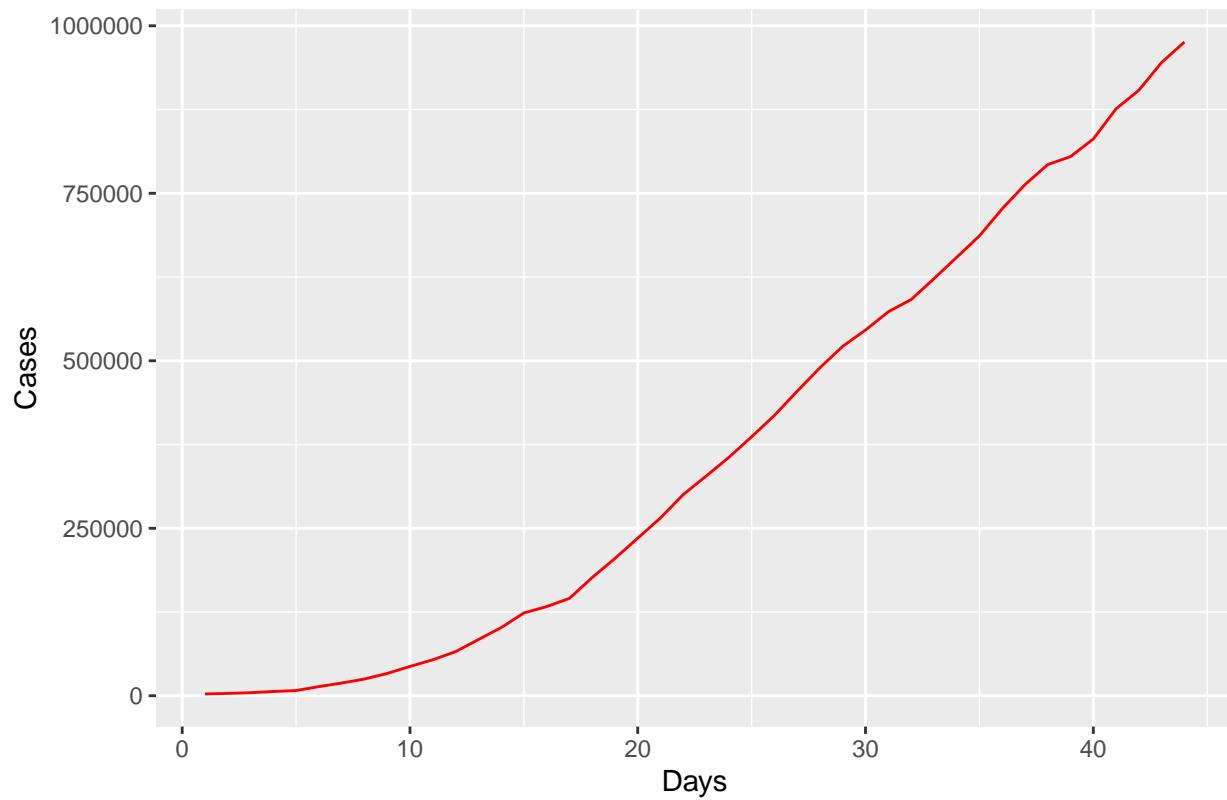


Results:

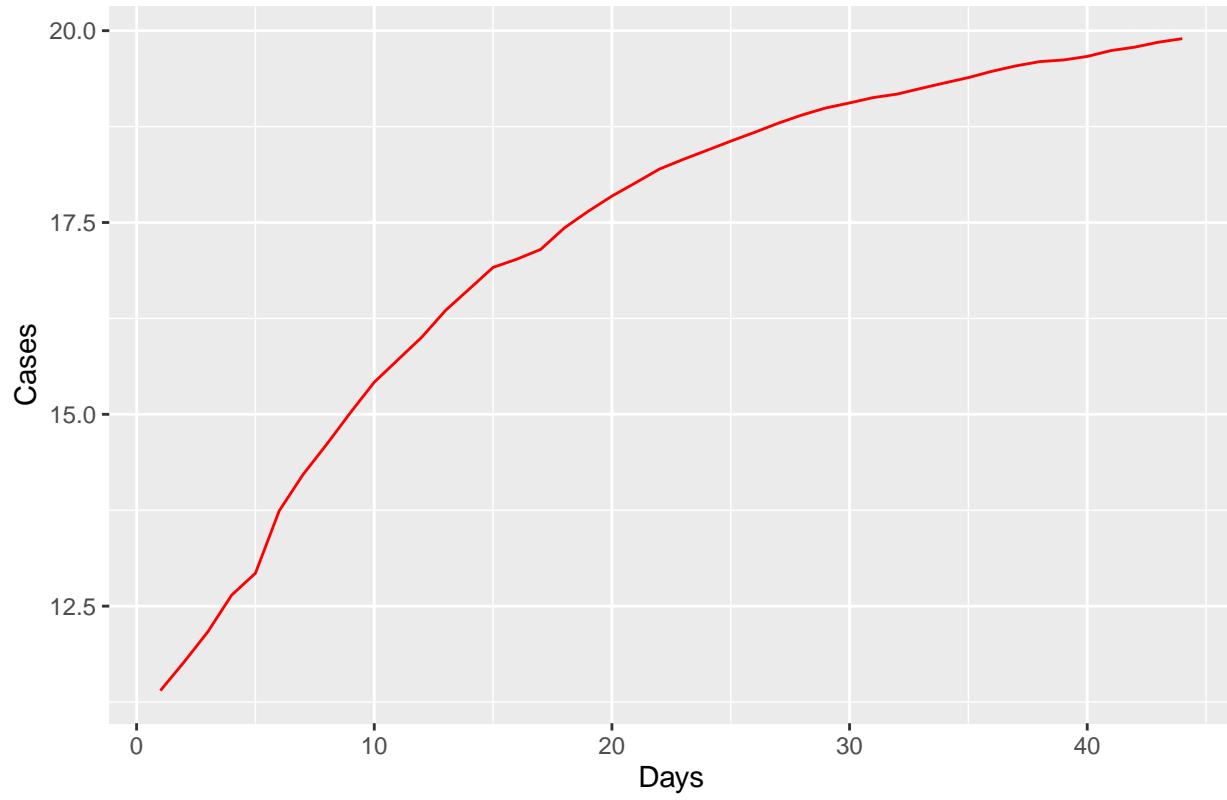
- Tomorrows predicted case number is between **6781.6363057** and **7655.9651772** cases.
- Current doubling rate is **18 days**
- Mean doubling rate, i.e number of cases doubles every **4 days**.
- Median doubling rate, i.e number of cases doubles every **7 days**.
- Latest Observed Growth Rate **3.9171975** percent.
- Mean Growth Rate: **17.3148204** percent.
- Median Growth Rate: **10.1603682** percent.
- Standard deviation: +/- **17.3961095**.

US Corona Dashboard

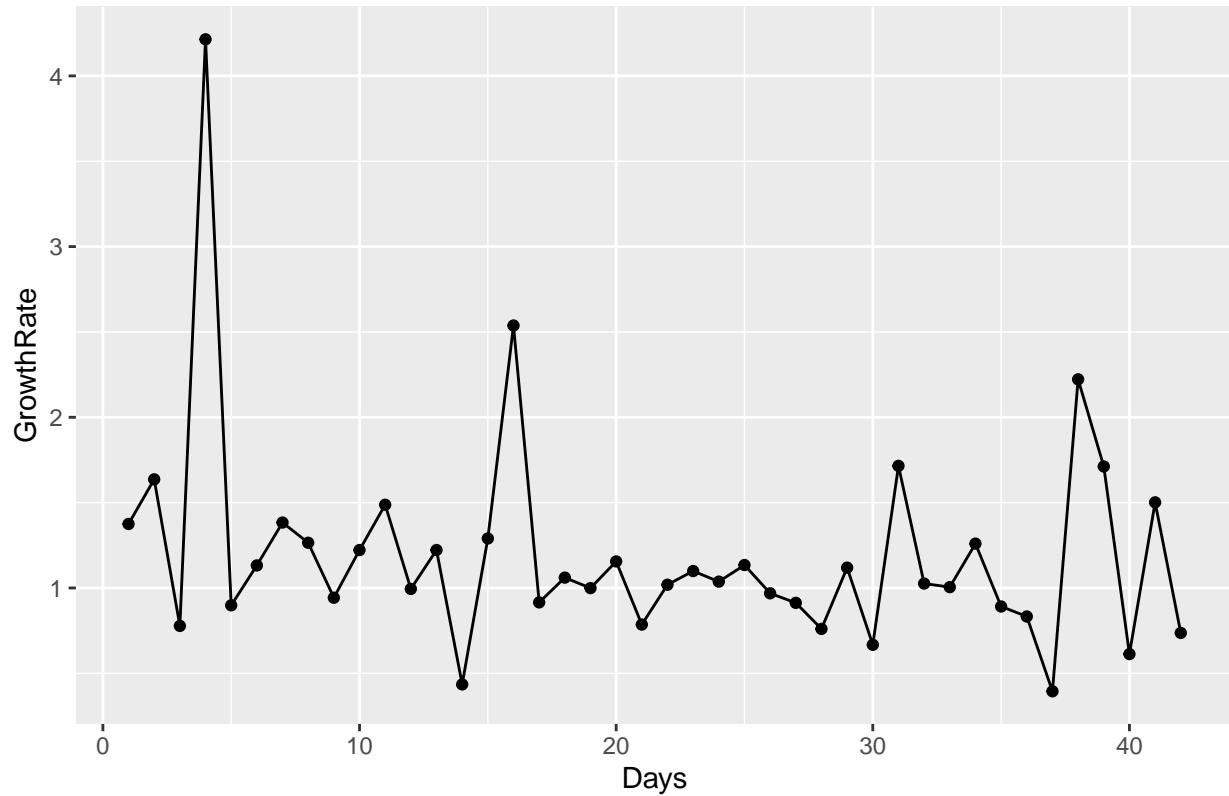
US: Daily Cases



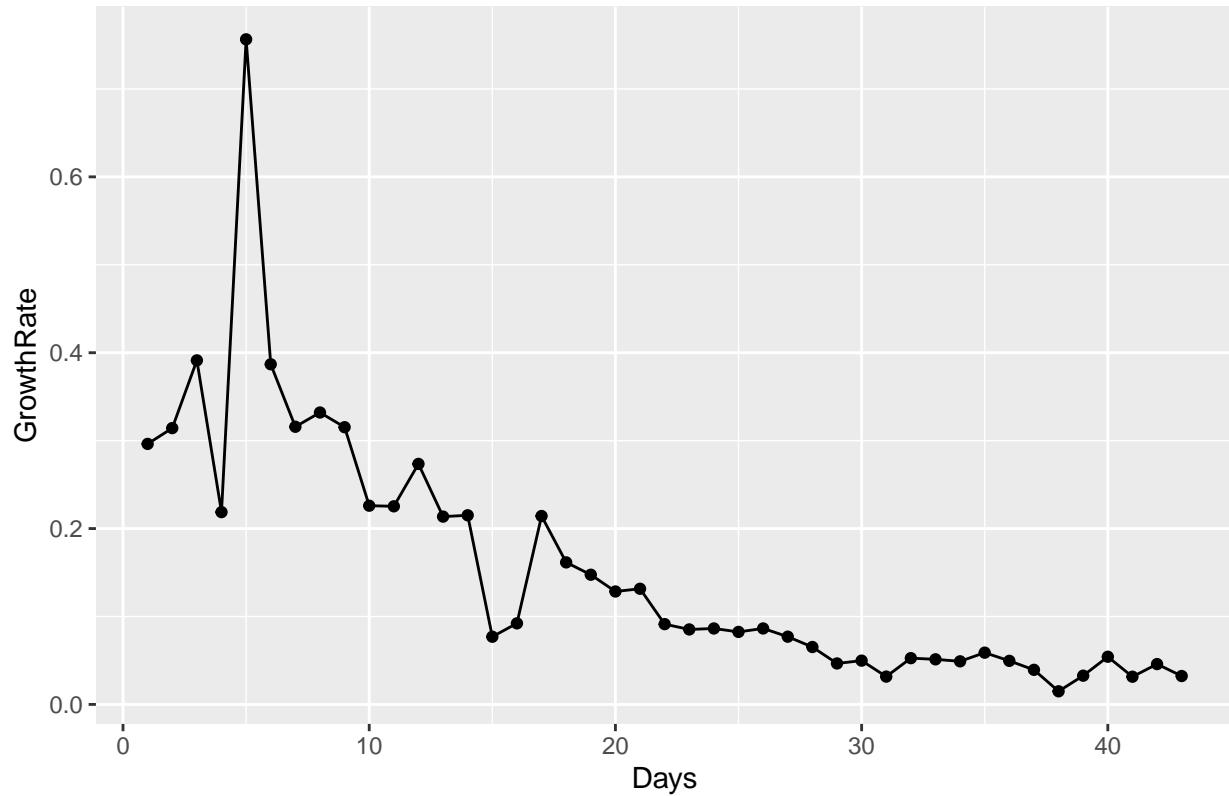
US: Daily Cases



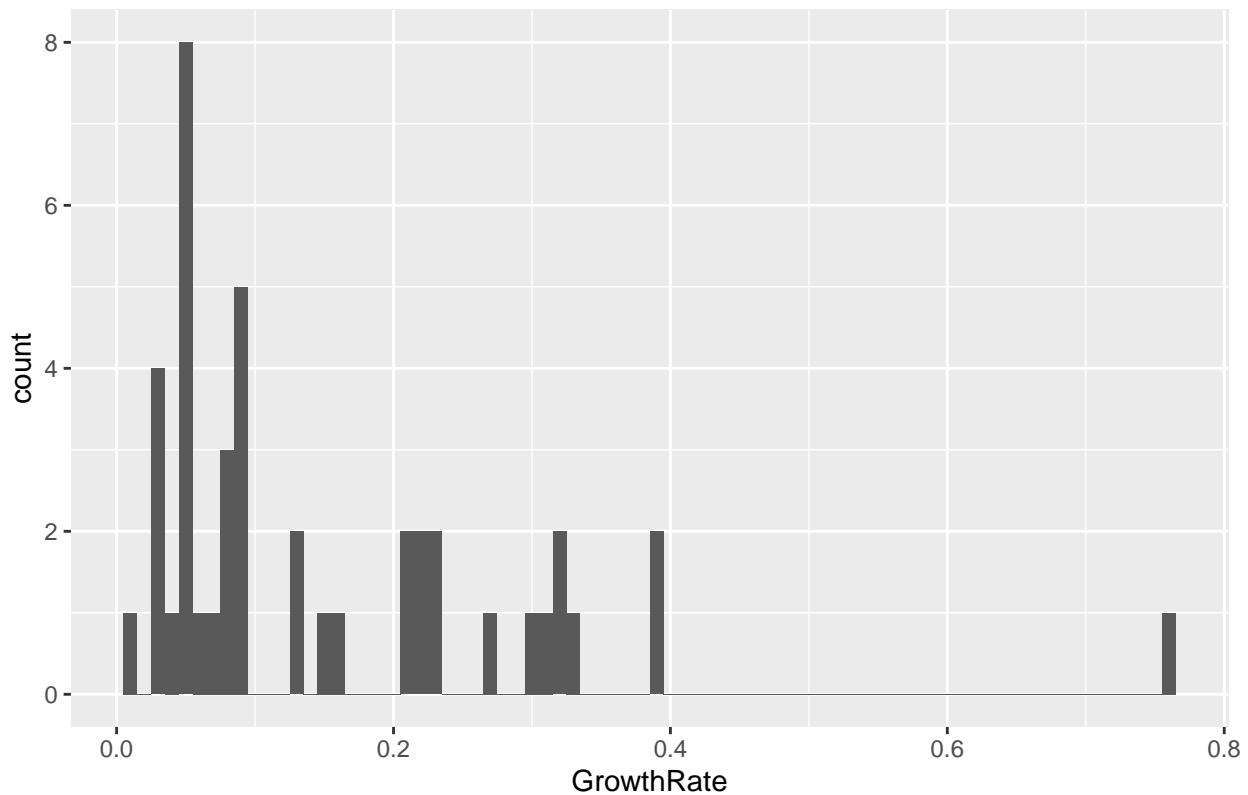
US: Rate of change in Growth Rate



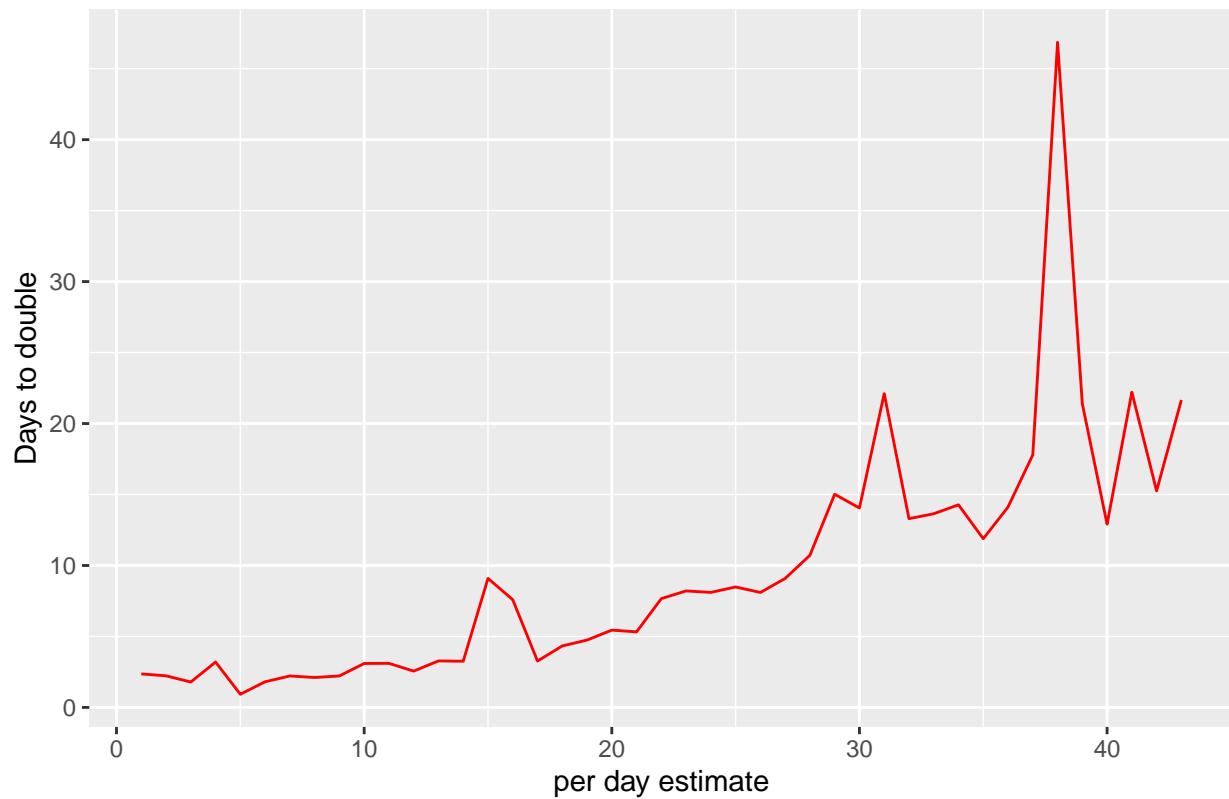
US: Growth Rate



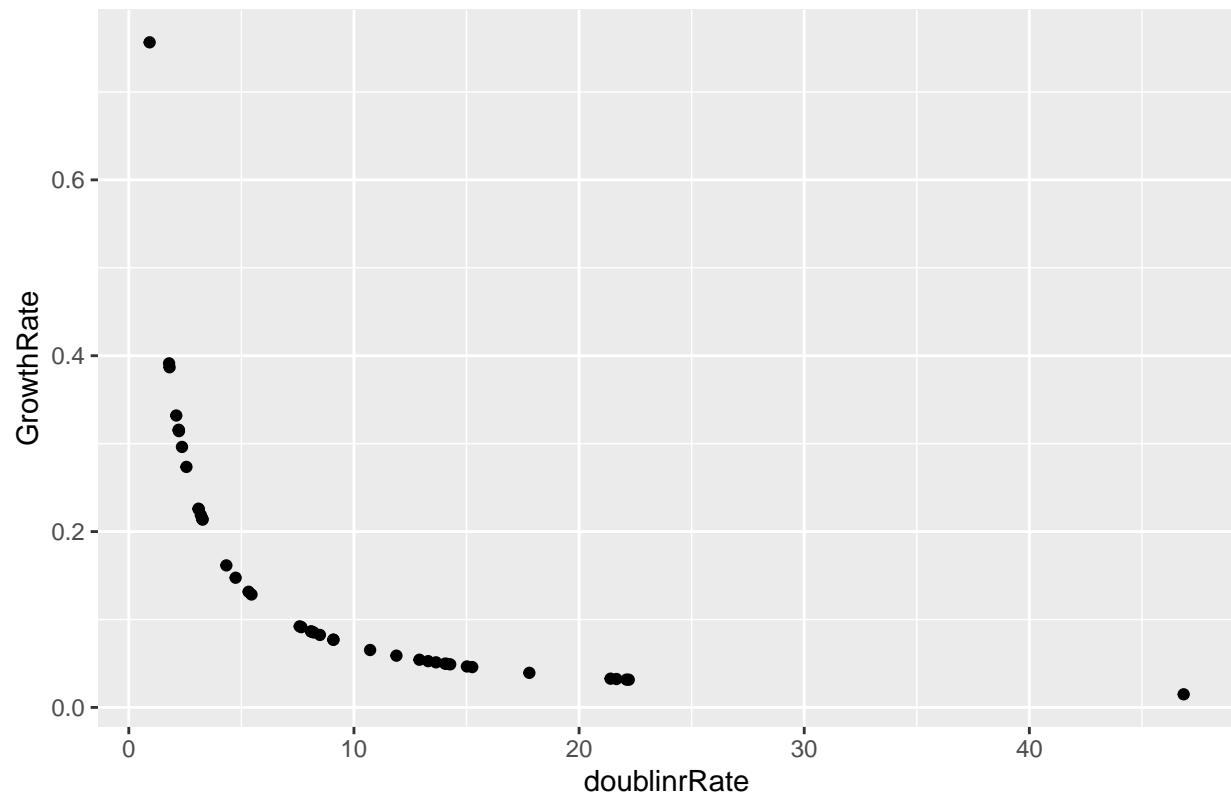
Histogram of GrowthRate



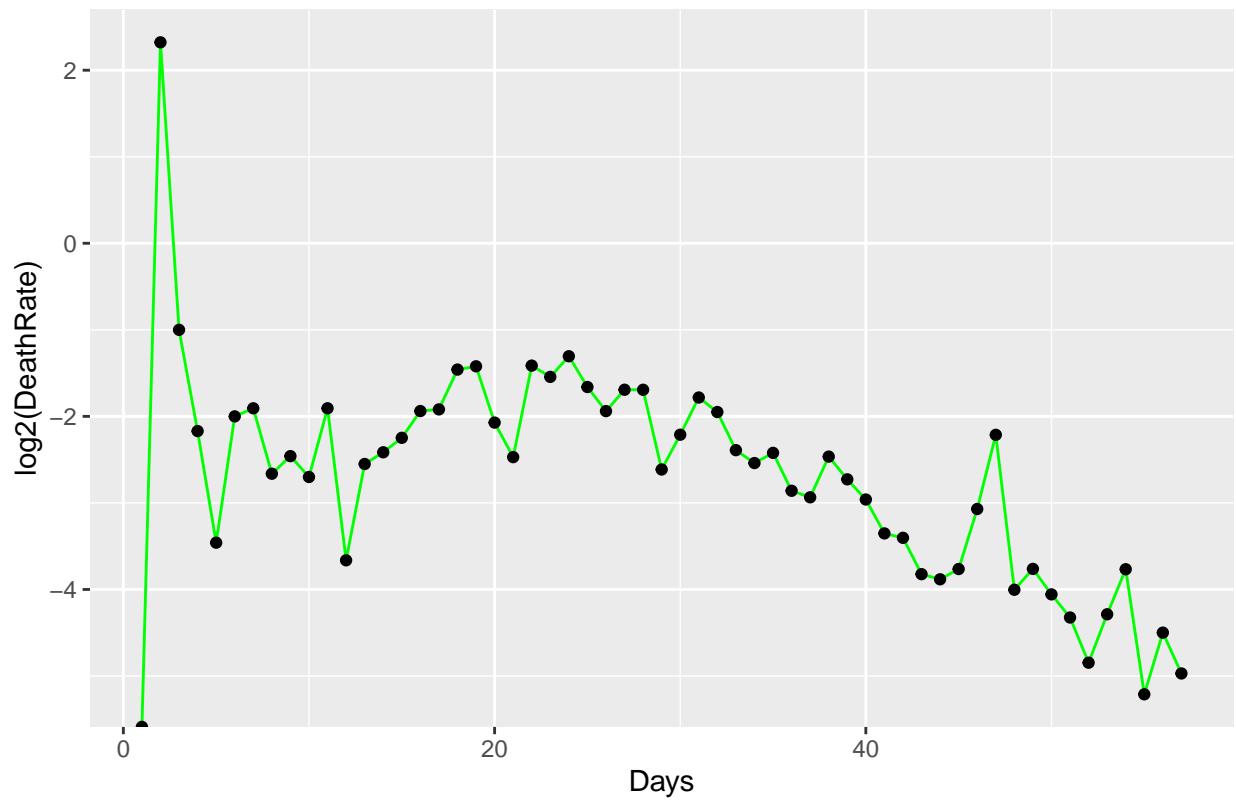
Doubling Rate in days



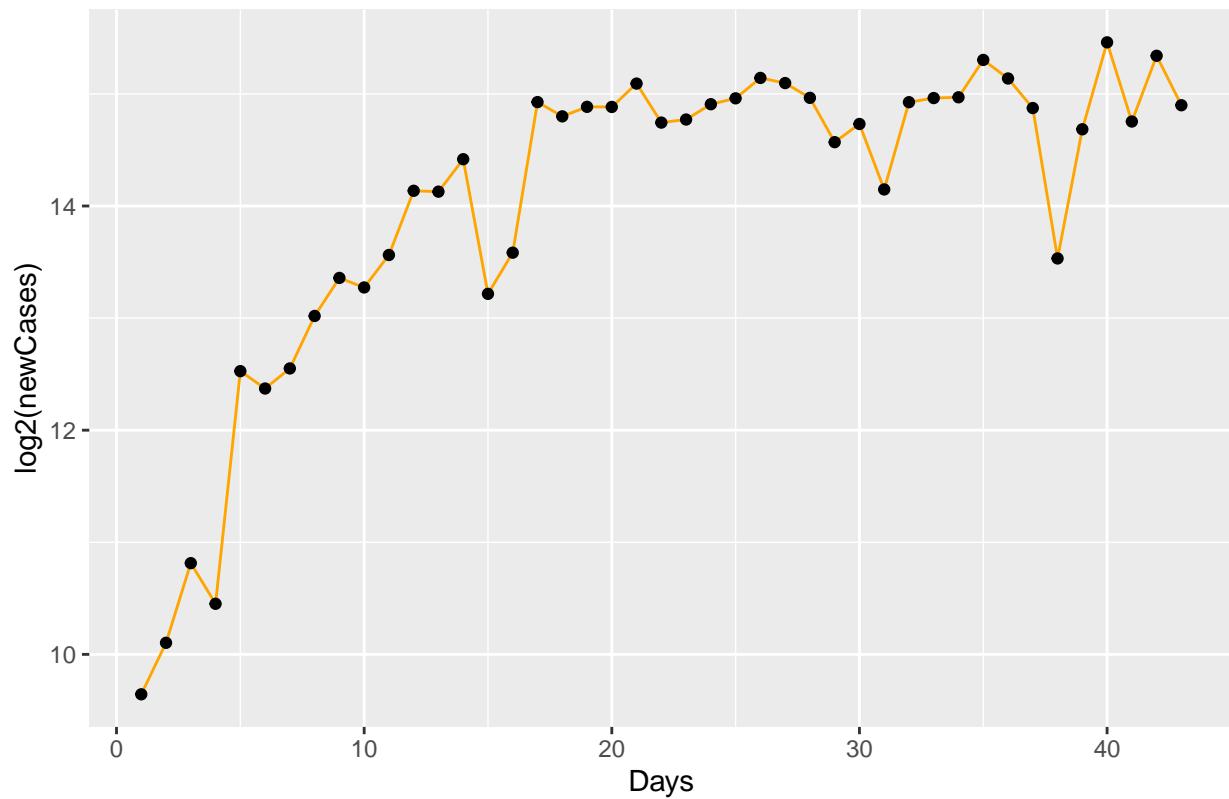
Doubling Rate vs Growth Rate



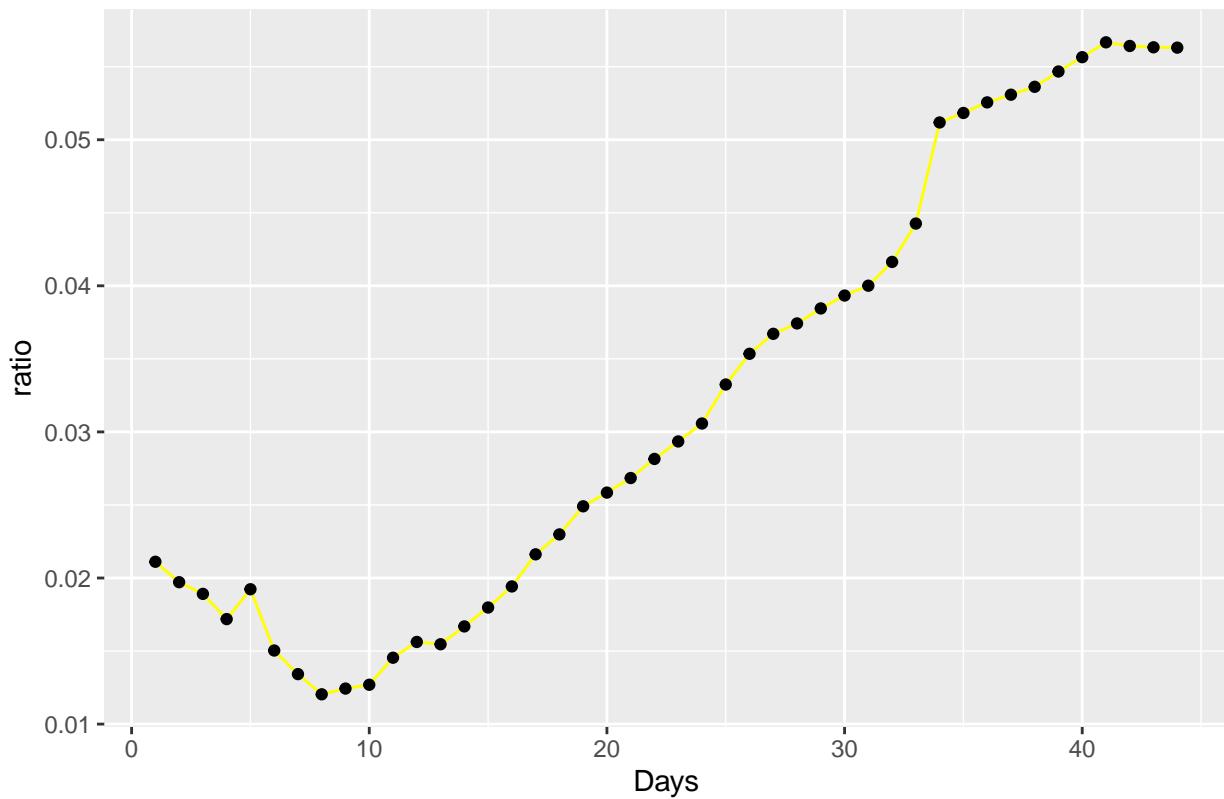
US: Daily Death Rate



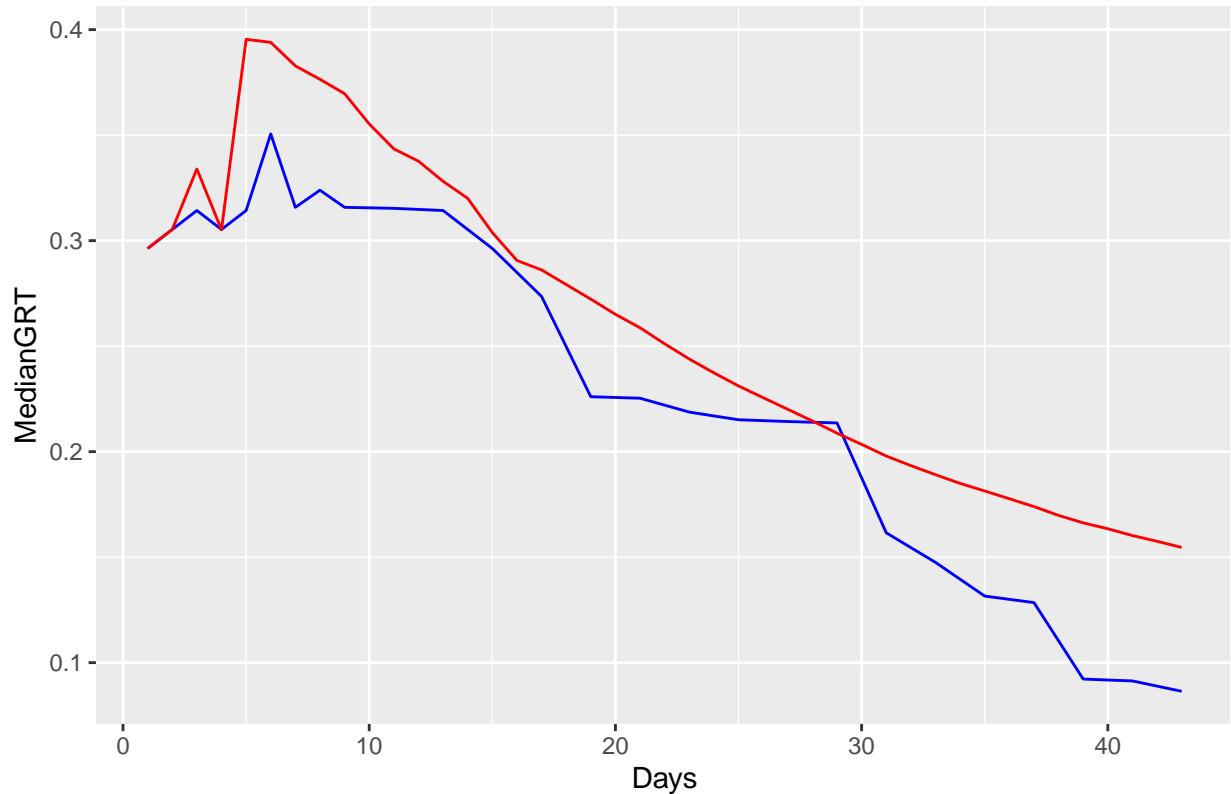
US:newCases(Orange)



US: TotalDeaths/TotalCases



US Median(BLUE)VsMean(RED) Growth Rate

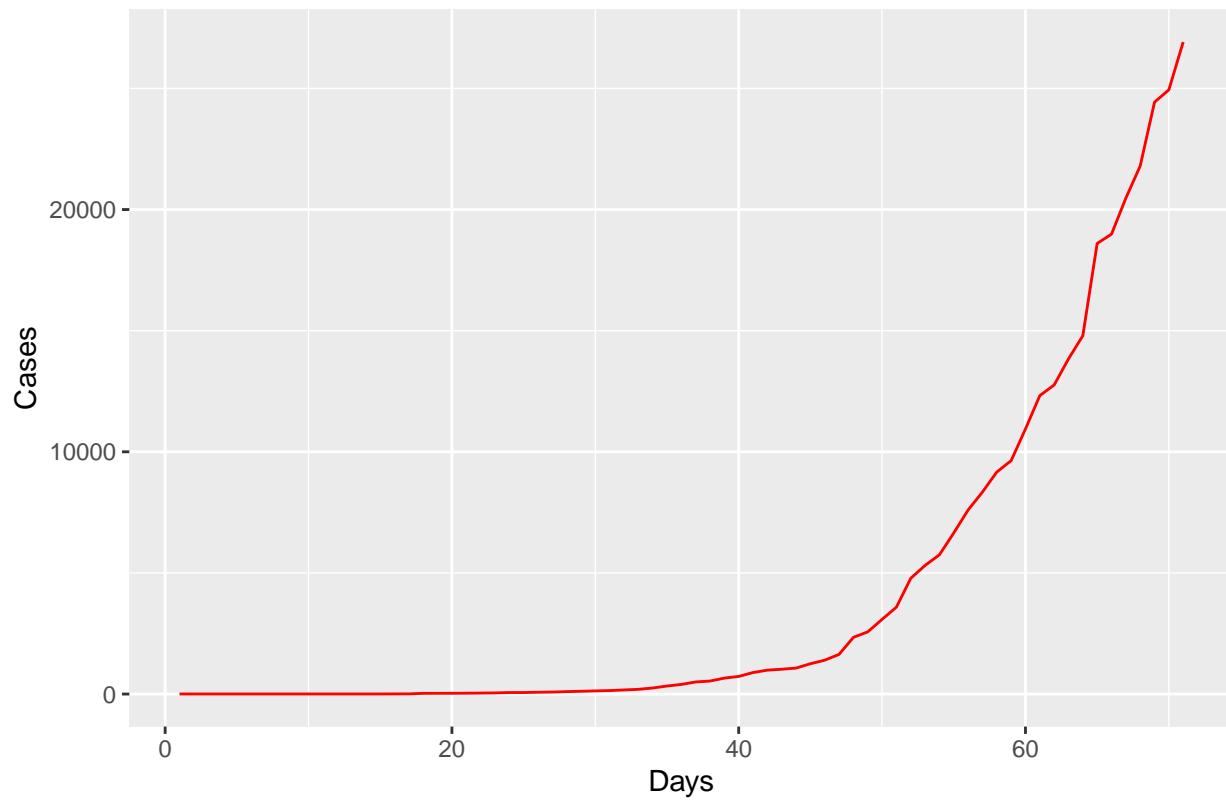


Results:

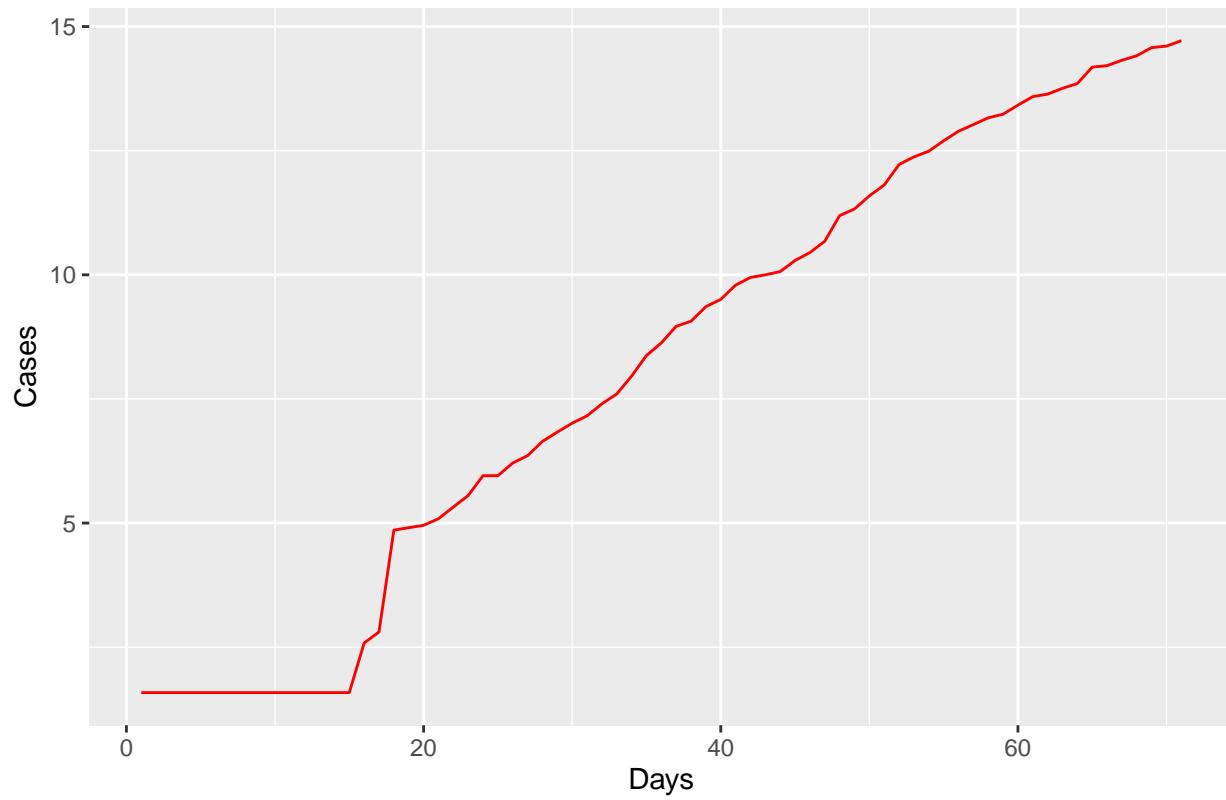
- Tomorrows predicted case number is between 1.0073343×10^6 and 1.1266611×10^6 cases.
- Current doubling rate is **22 days**
- Mean doubling rate, i.e number of cases doubles every **5 days**.
- Median doubling rate, i.e number of cases doubles every **8 days**.
- Latest Observed Growth Rate **3.2318468** percent.
- Mean Growth Rate: **15.4604809** percent.
- Median Growth Rate: **8.64235** percent.
- Standard deviation: +/- **14.4617372**.

India Corona Dashboard

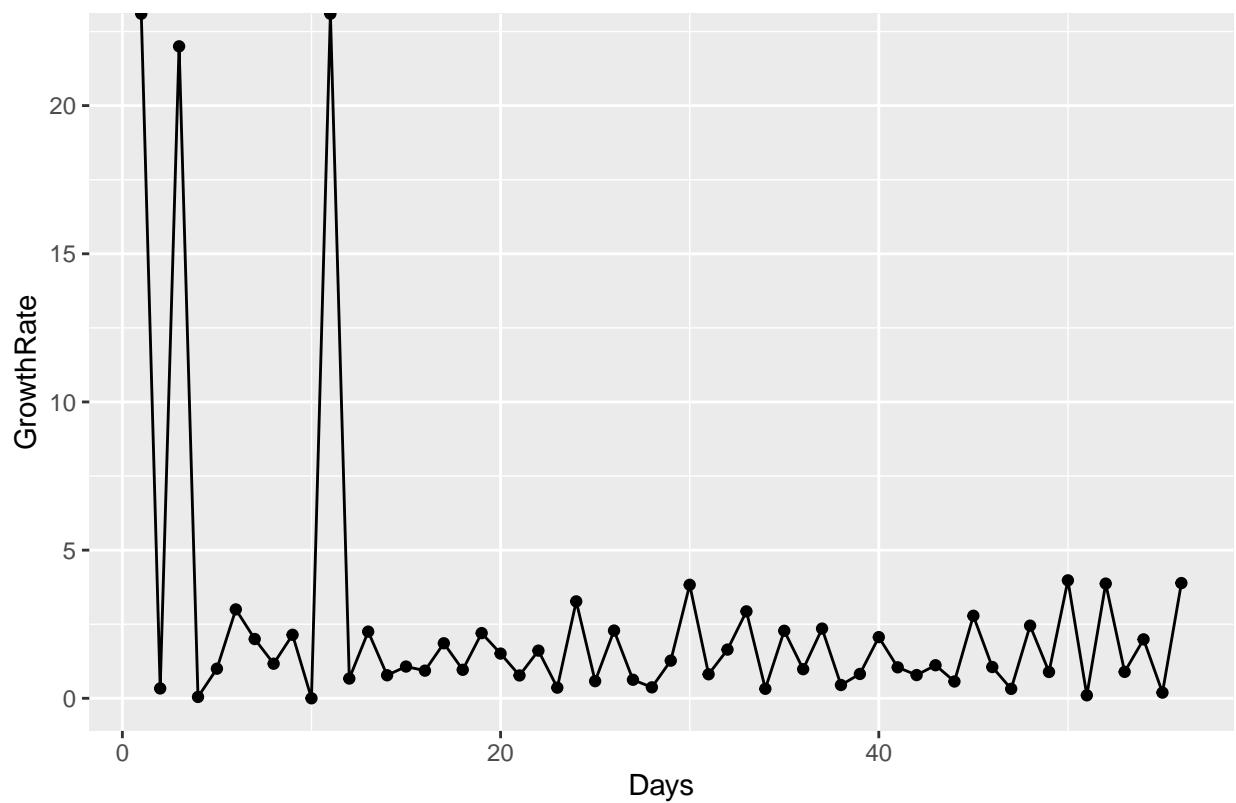
India: Daily Cases



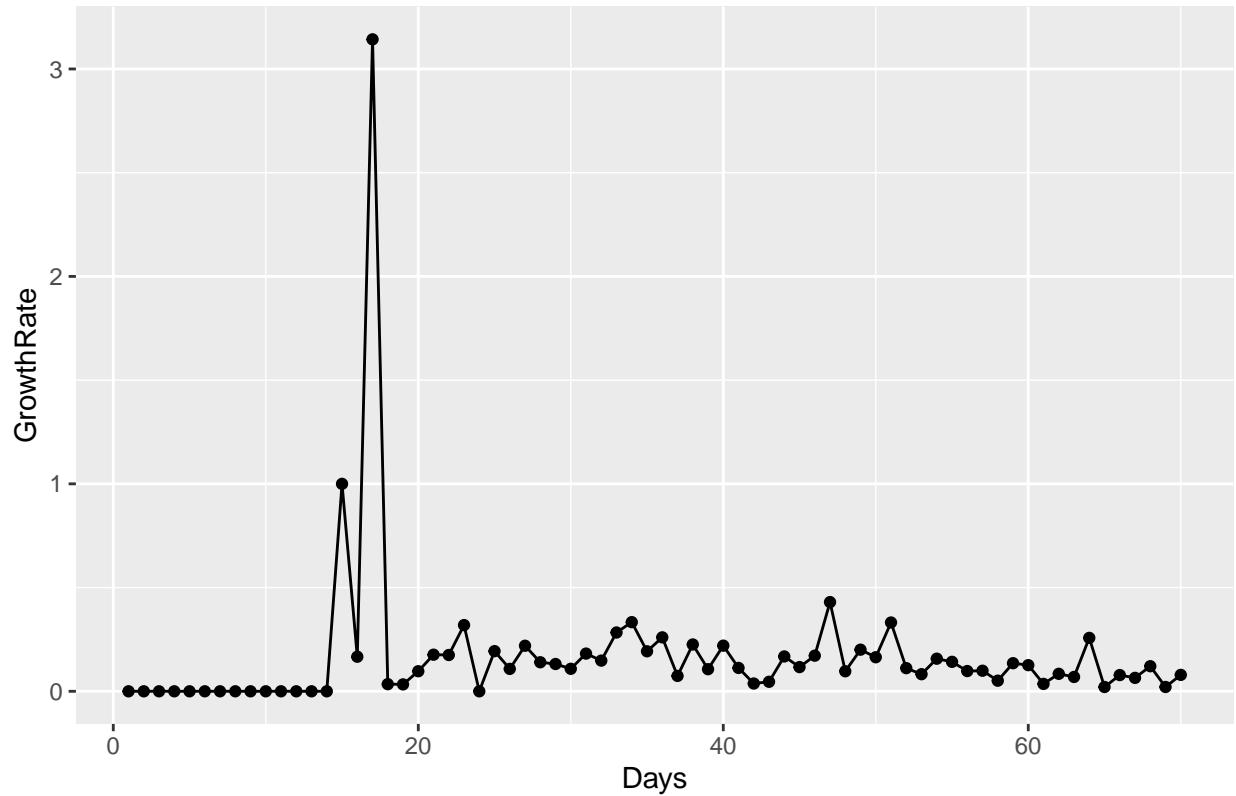
India: Daily Cases



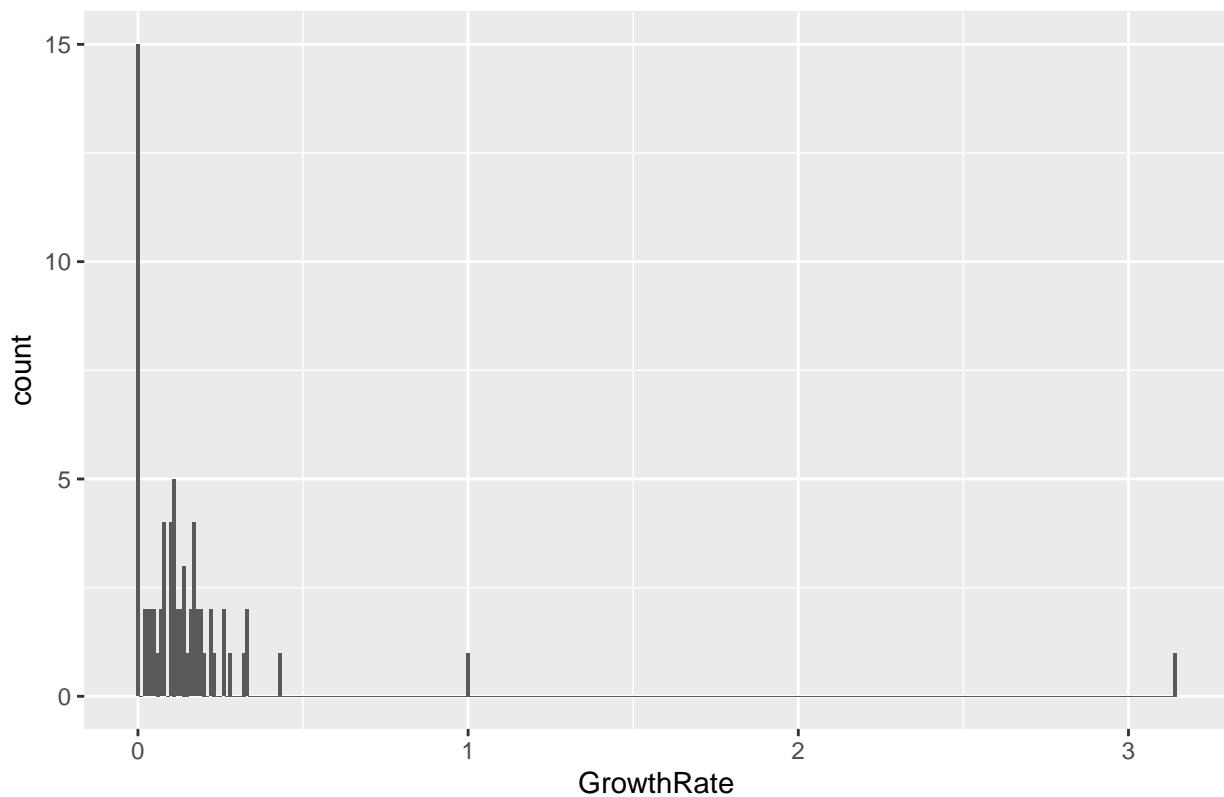
US: Rate of change in Growth Rate



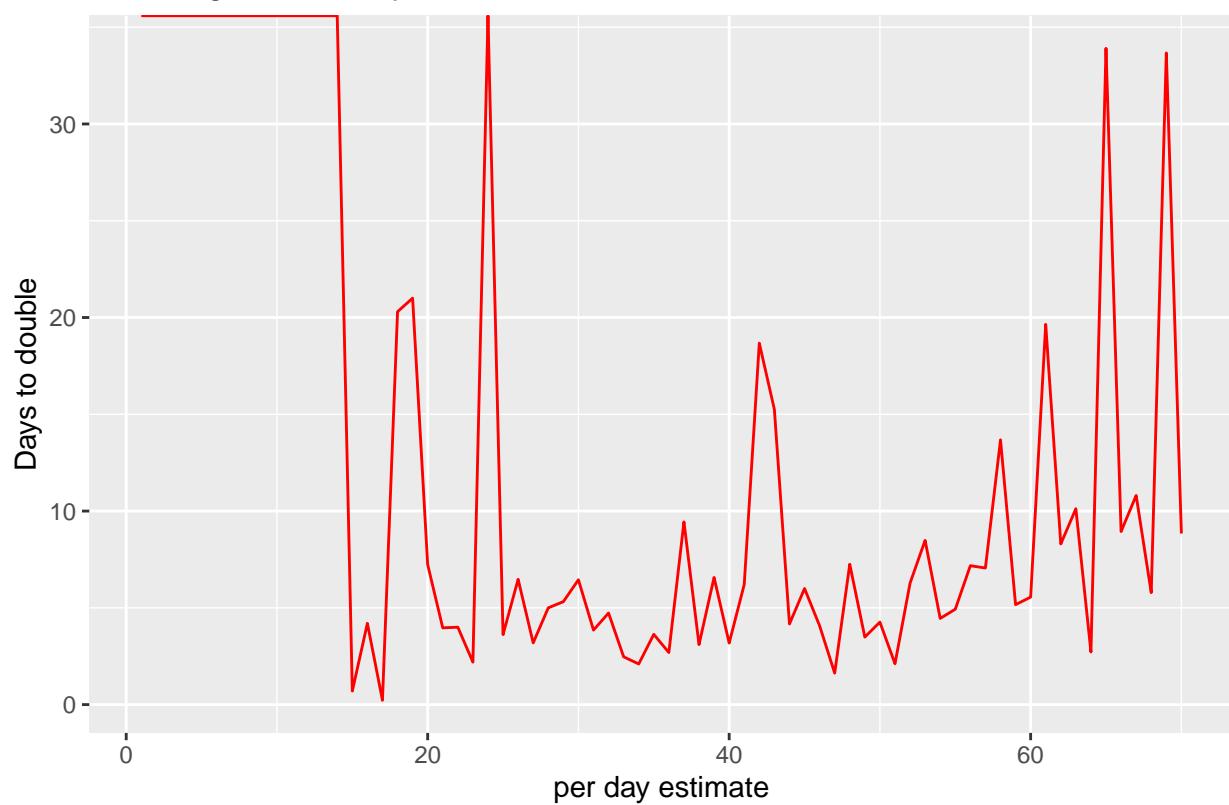
India: Growth Rate



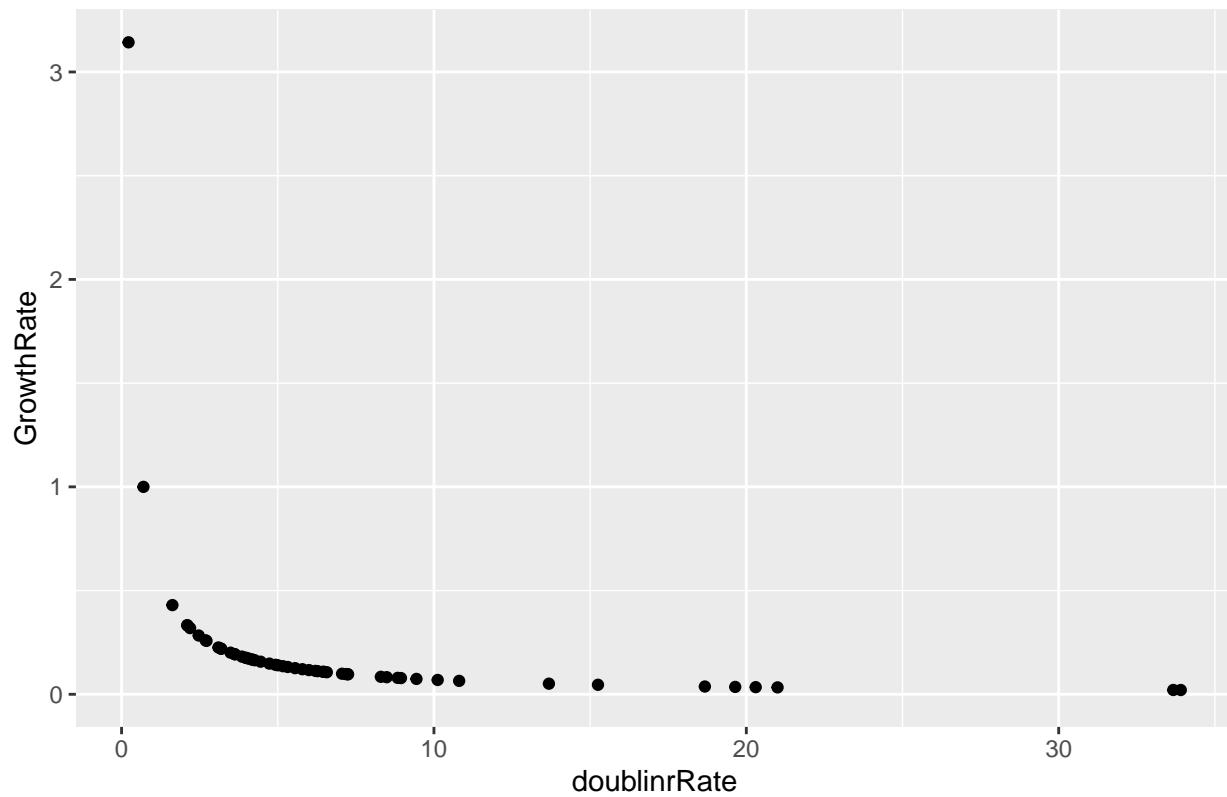
Histogram of GrowthRate



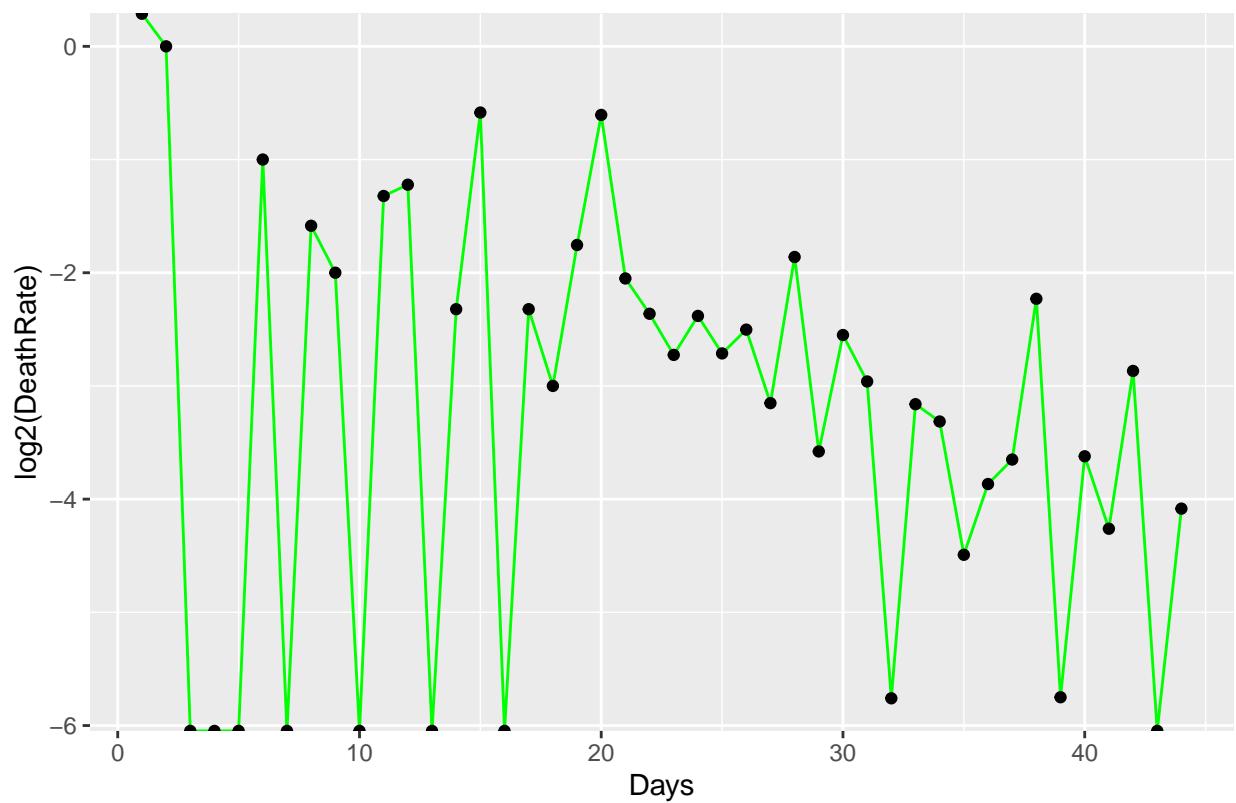
Doubling Rate in days



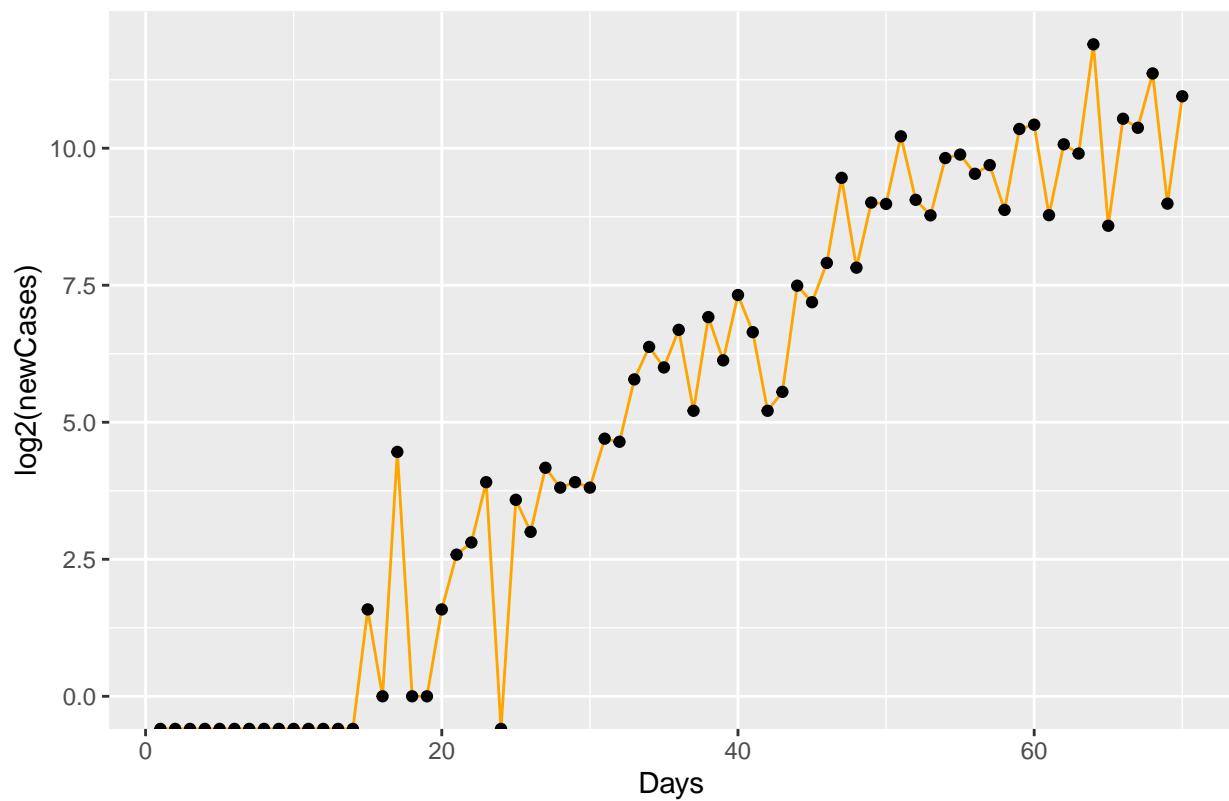
Doubling Rate vs Growth Rate



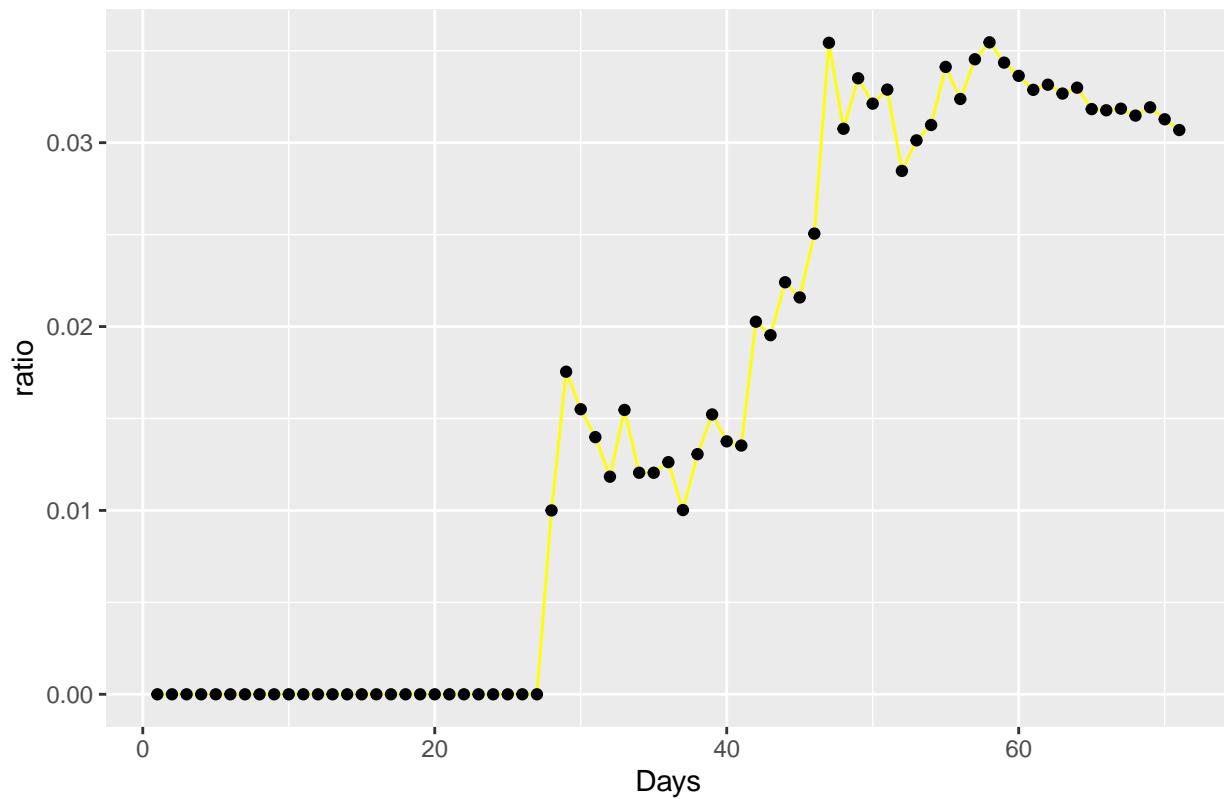
India: Daily Death Rate



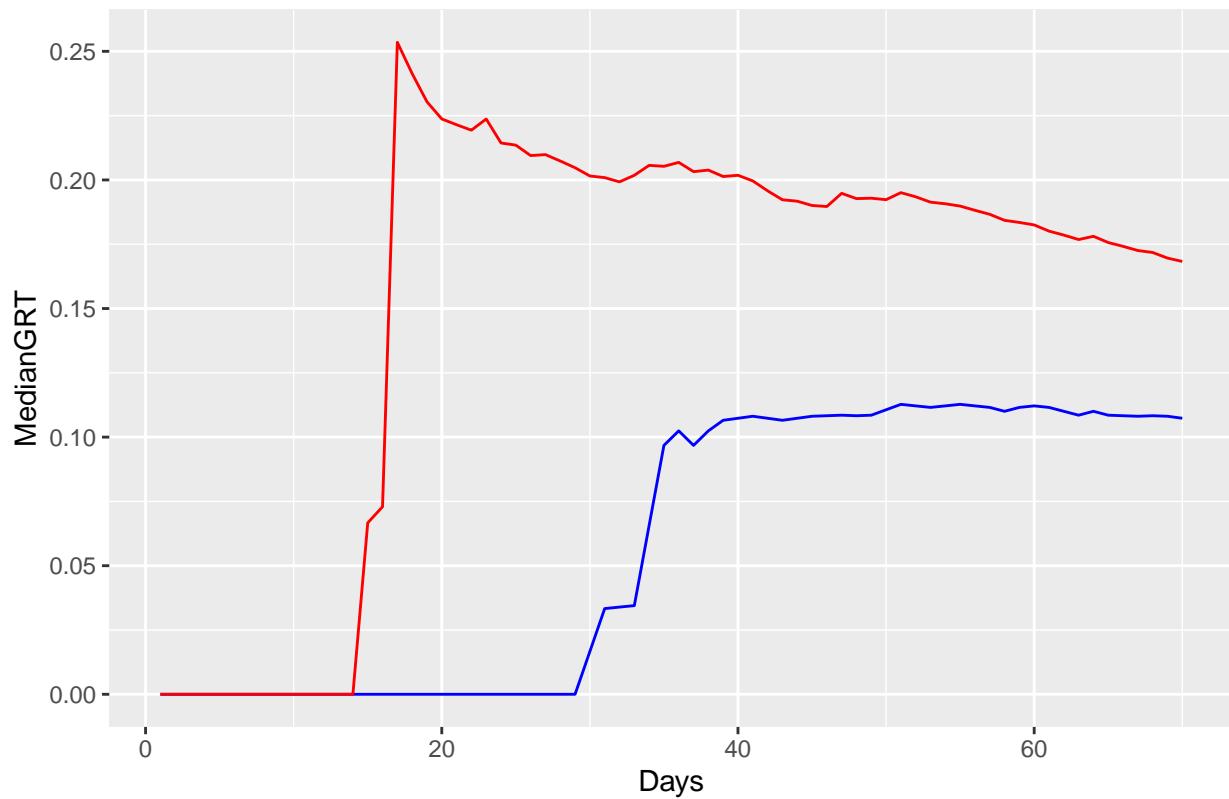
India:newCases(Orange)



India: TotalDeaths/TotalCases



India Median(BLUE)VsMean(RED) Growth Rate



Results:

- Tomorrows predicted case number is between 2.9048388×10^4 and 3.1447436×10^4 cases.
- Current doubling rate is **9 days**
- Mean doubling rate, i.e number of cases doubles every **4 days**.
- Median doubling rate, i.e number of cases doubles every **7 days**.
- Latest Observed Growth Rate **7.9183706** percent.
- Mean Growth Rate: **16.8311313** percent.
- Median Growth Rate: **10.7326505** percent.
- Standard deviation: +/- **38.8272425**.