

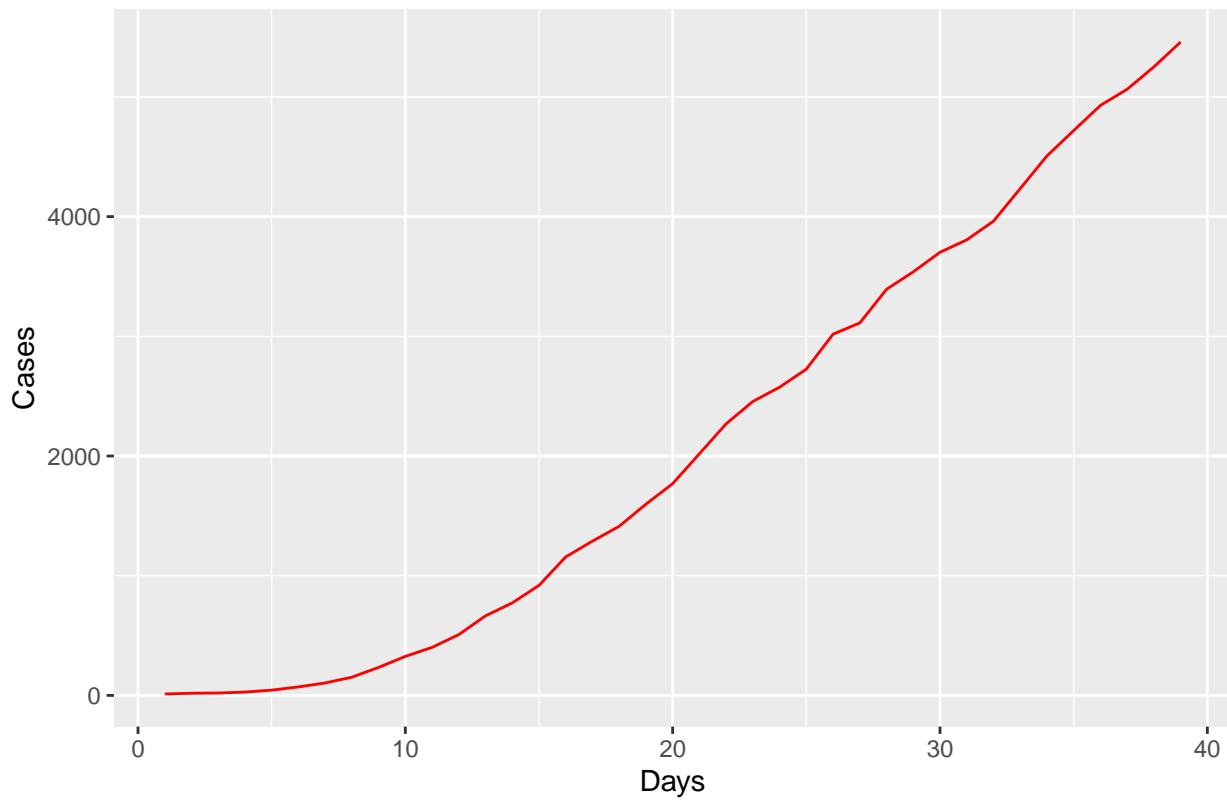
Arizona/US/India Corona Trends- 22nd April 2020 with tomorrow's prediction

Whitchurch Muthumani

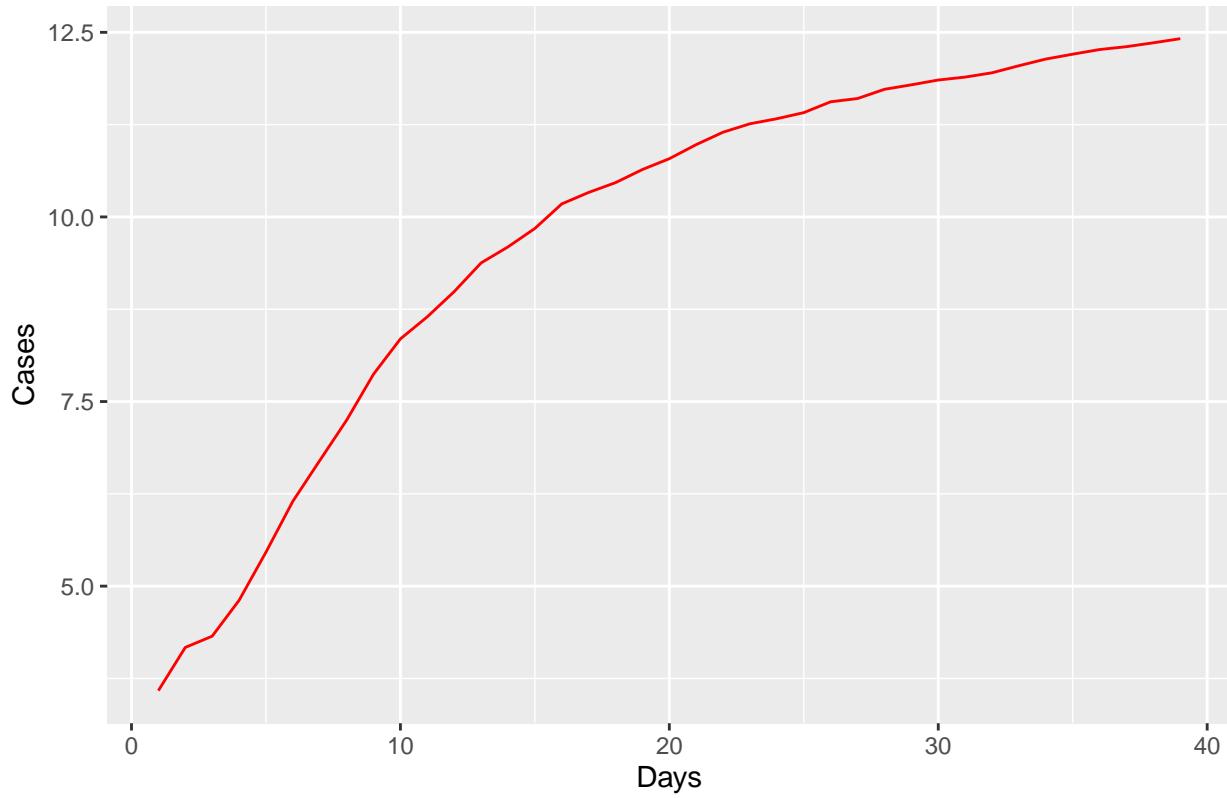
4/22/2020

Arizona Corona Dashboard

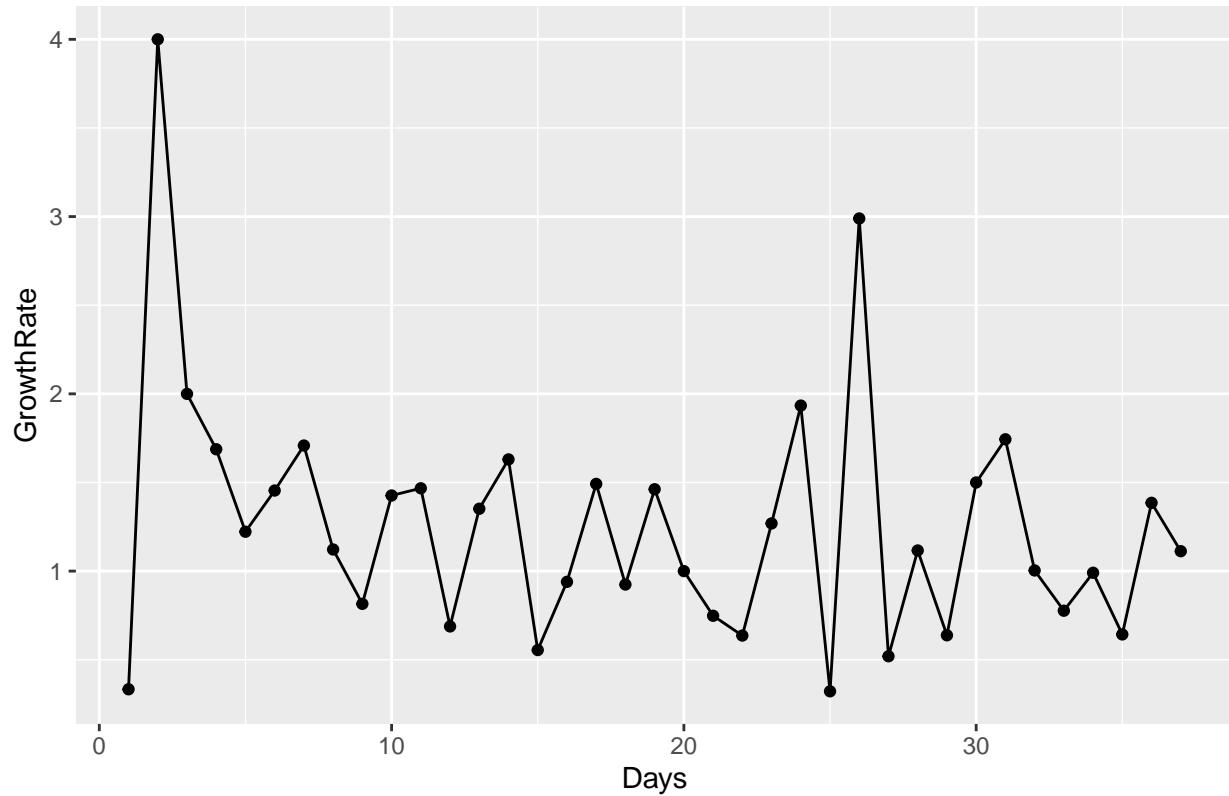
Arizona: Daily Cases



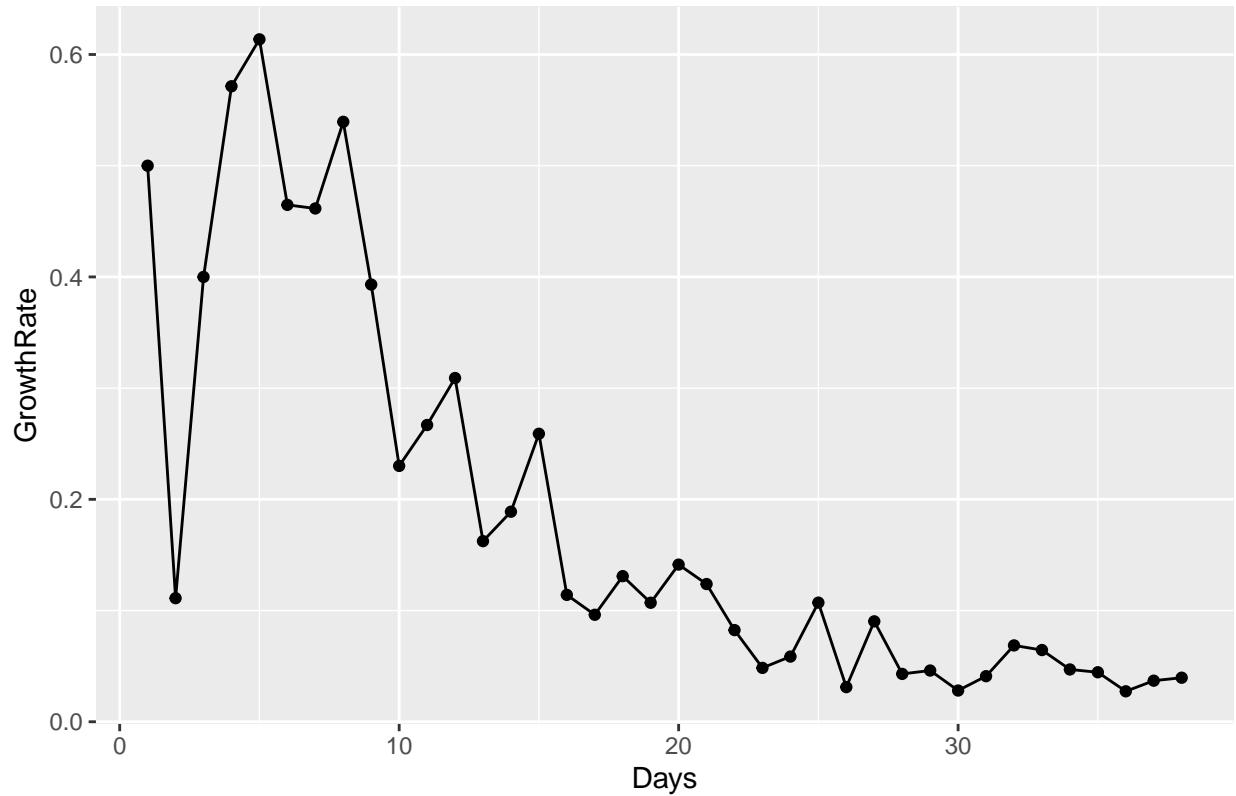
Arizona: Daily Cases



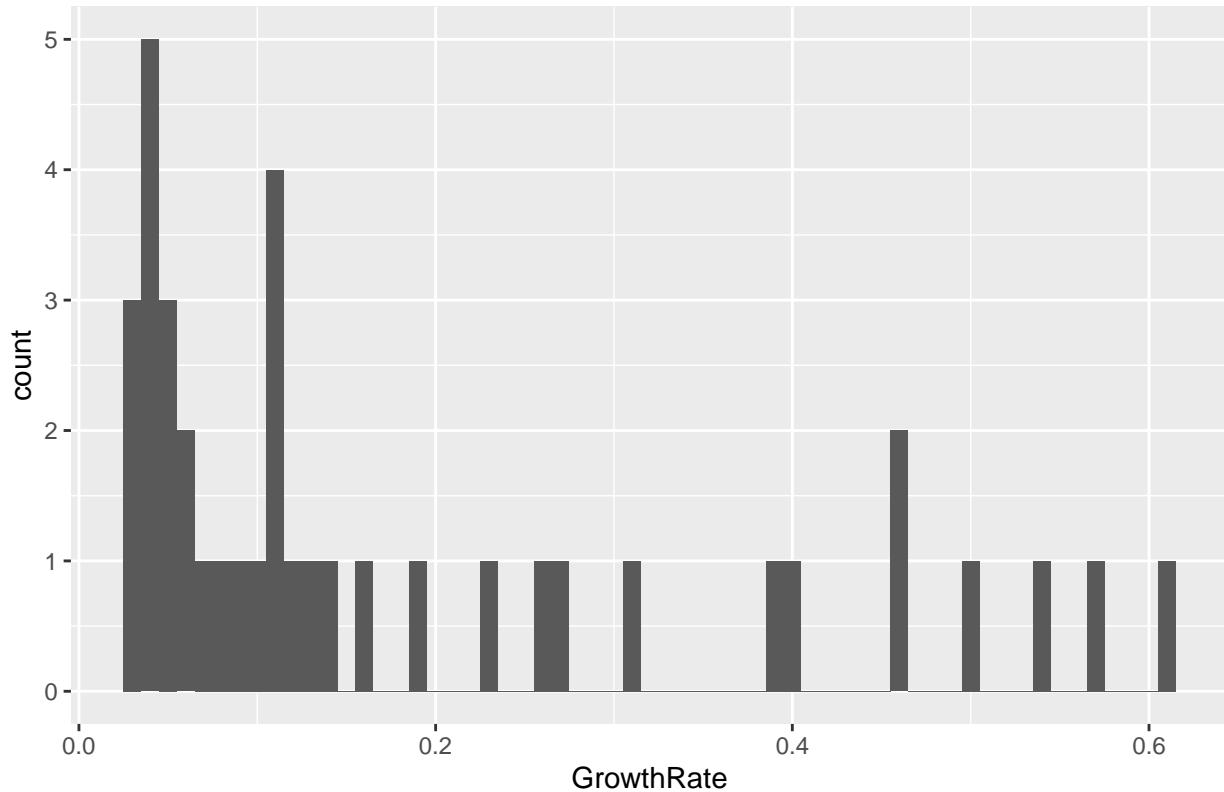
Arizona: Rate of change in Growth Rate



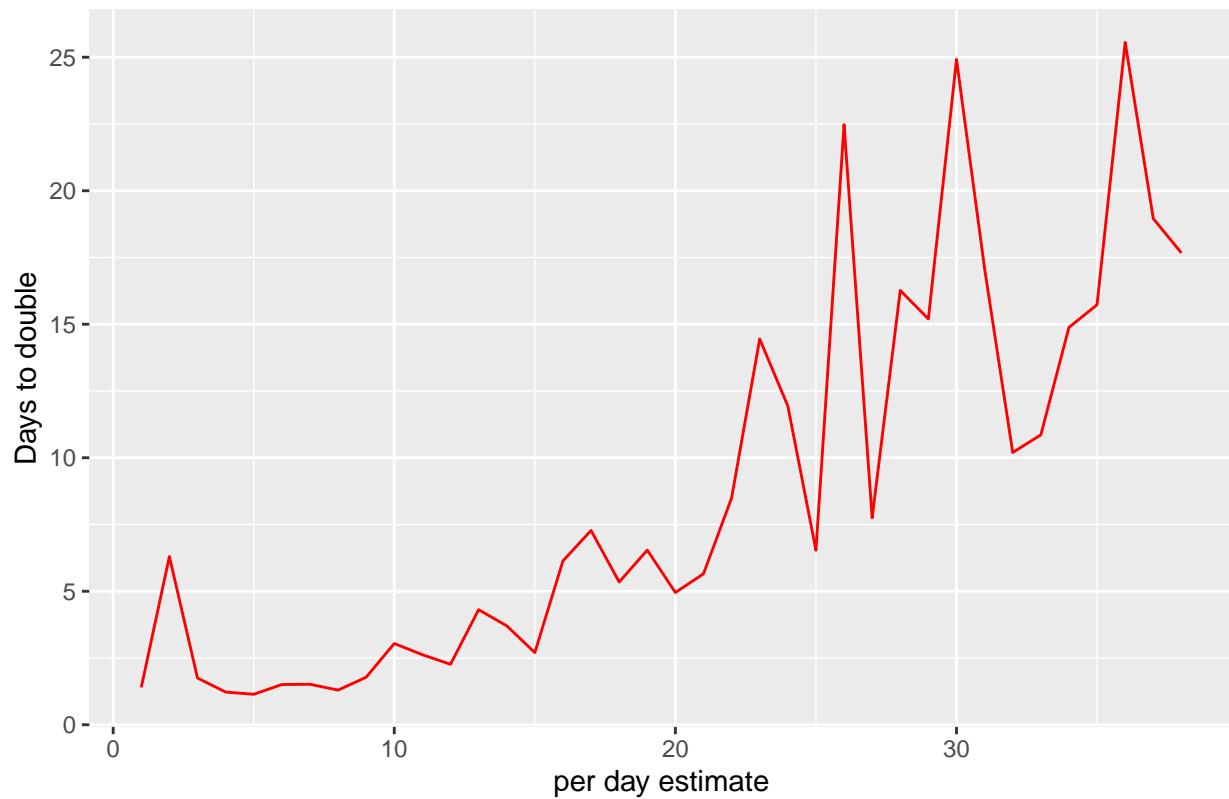
Arizona: Growth Rate



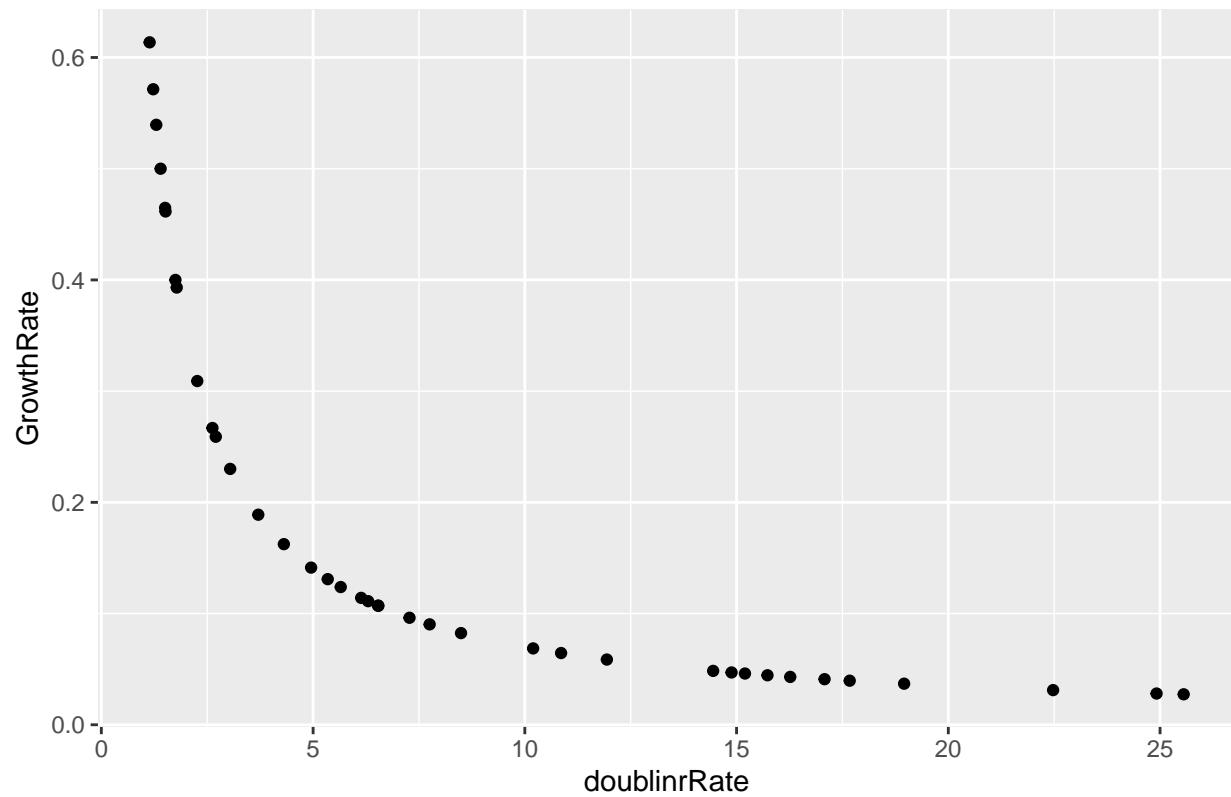
Histogram of GrowthRate



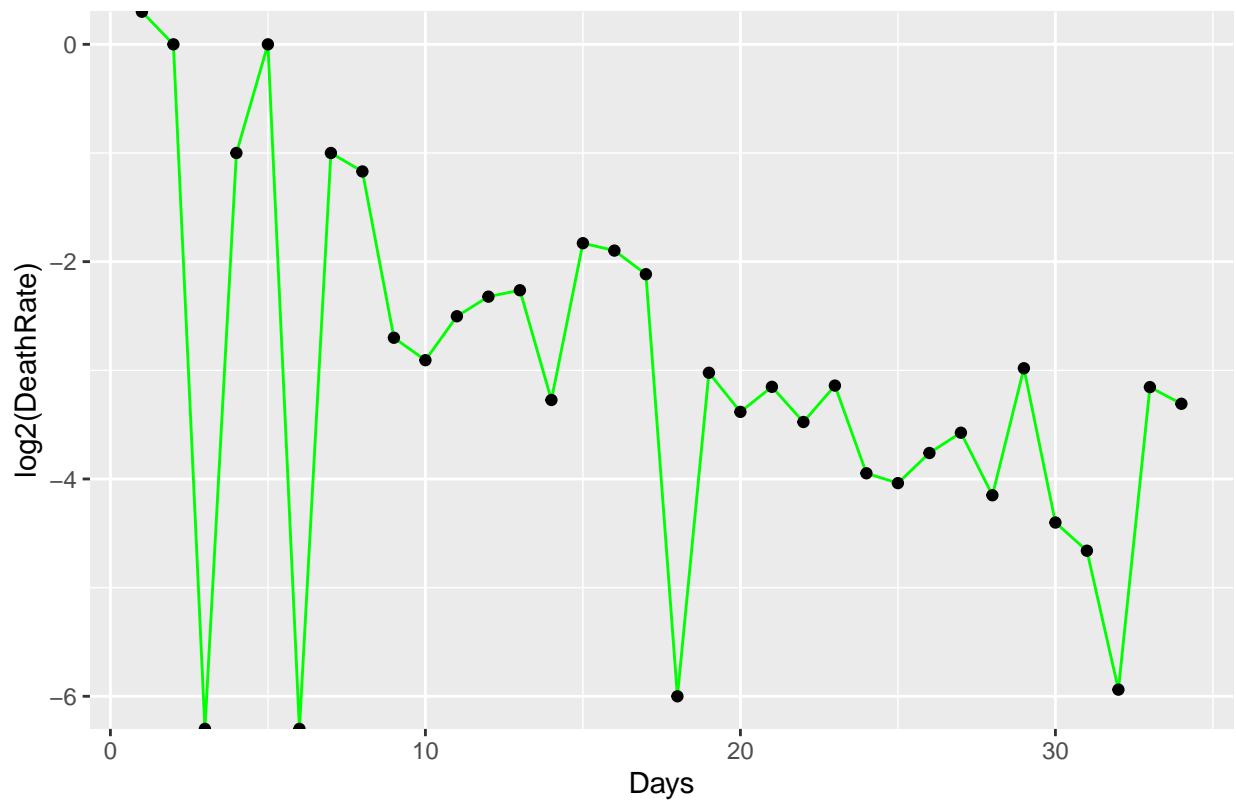
Doubling Rate in days



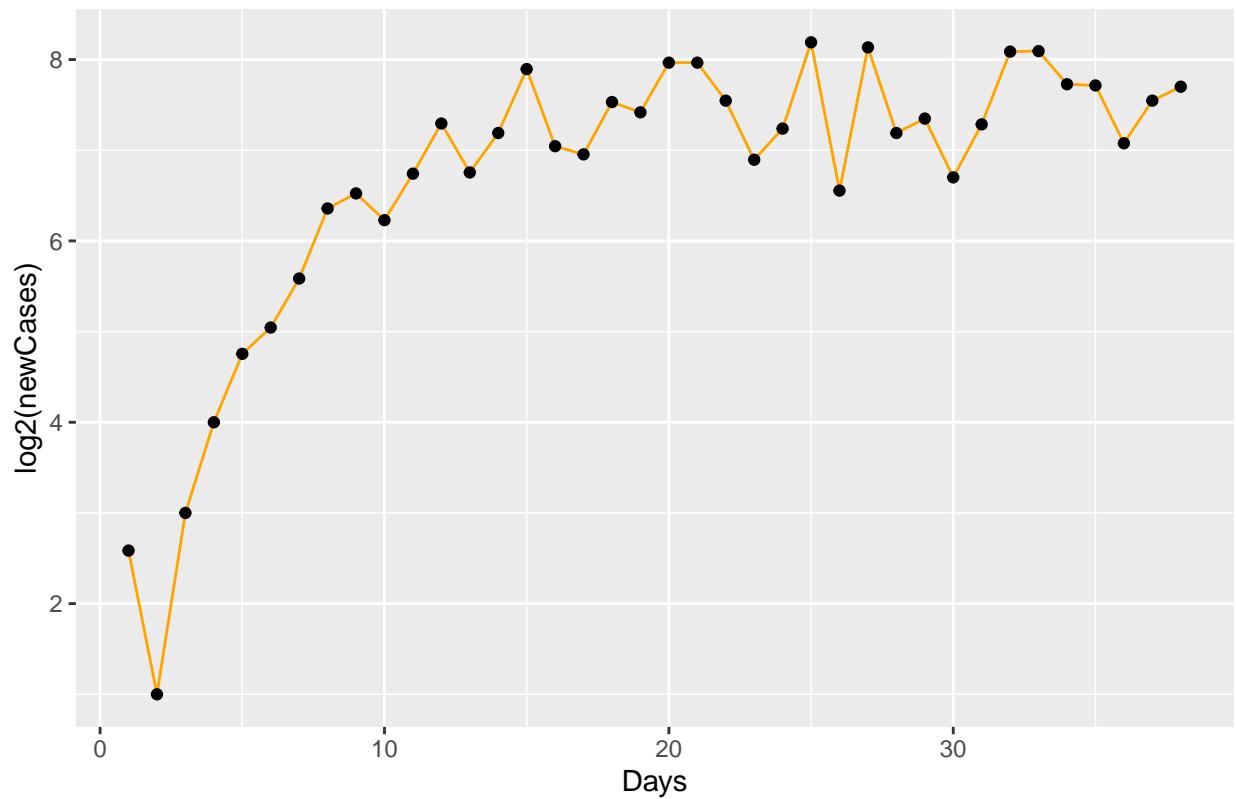
Doubling Rate vs Growth Rate



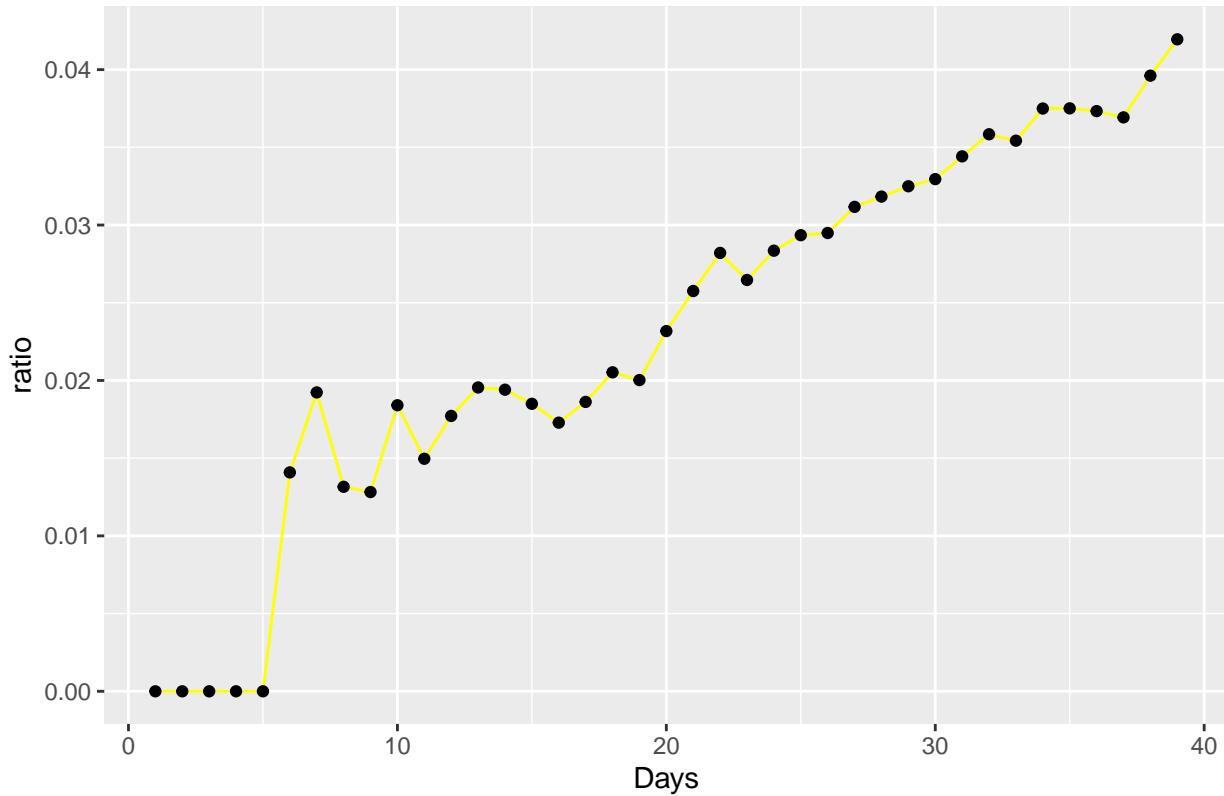
Arizona: Daily Death Rate



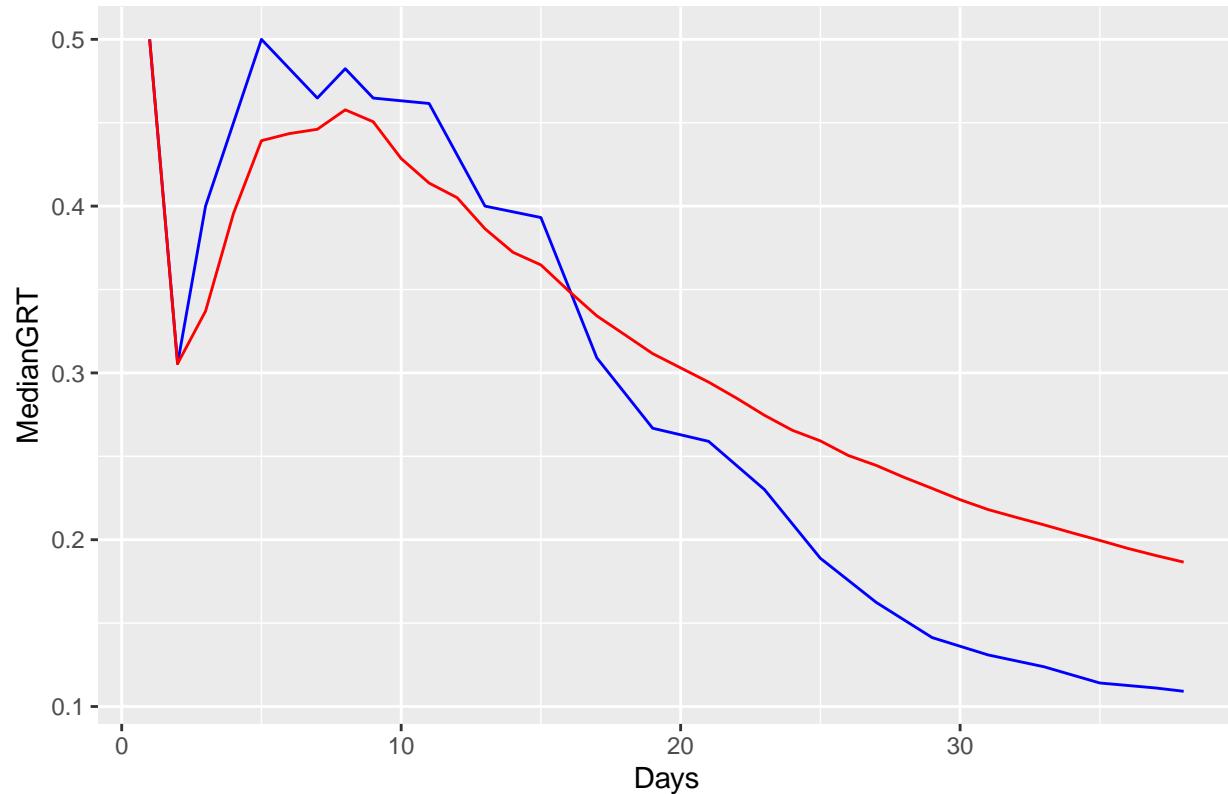
Arizona:newCases(Orange)



Arizona: TotalDeaths/TotalCases



Arizona Median(BLUE)VsMean(RED) Growth Rate

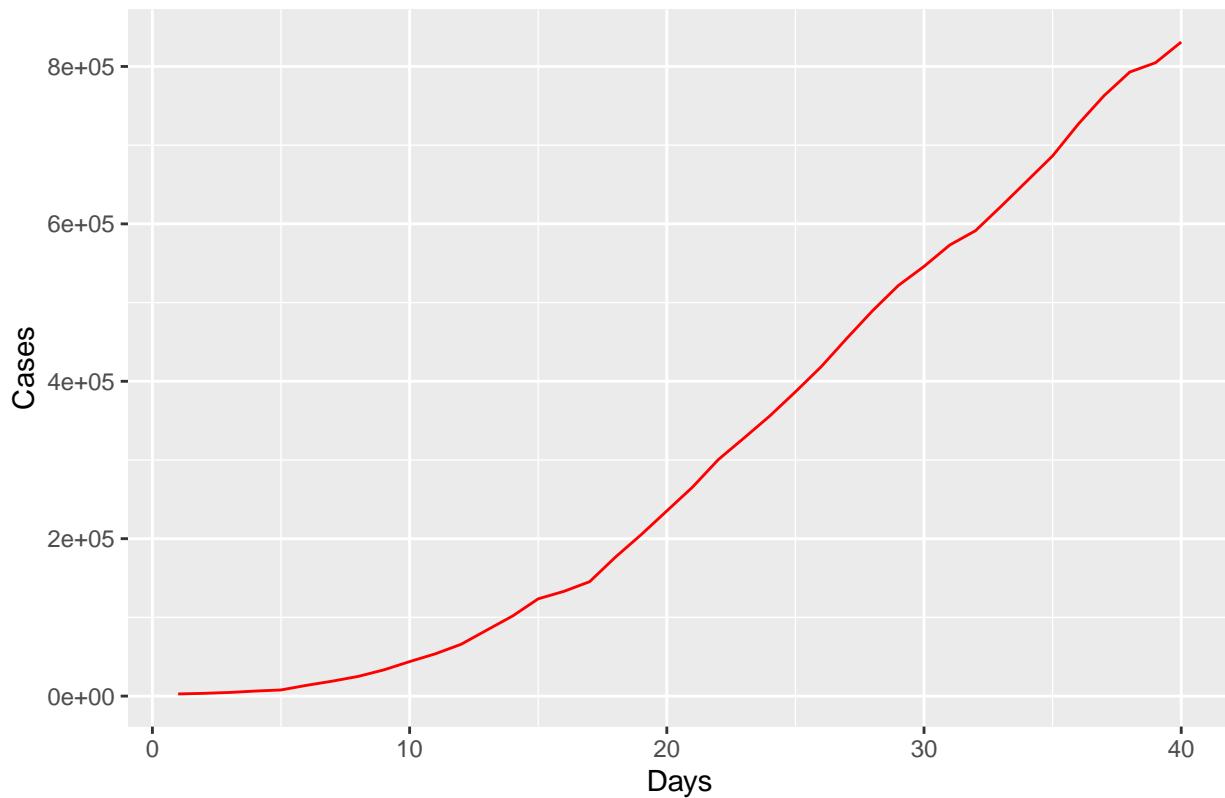


Results:

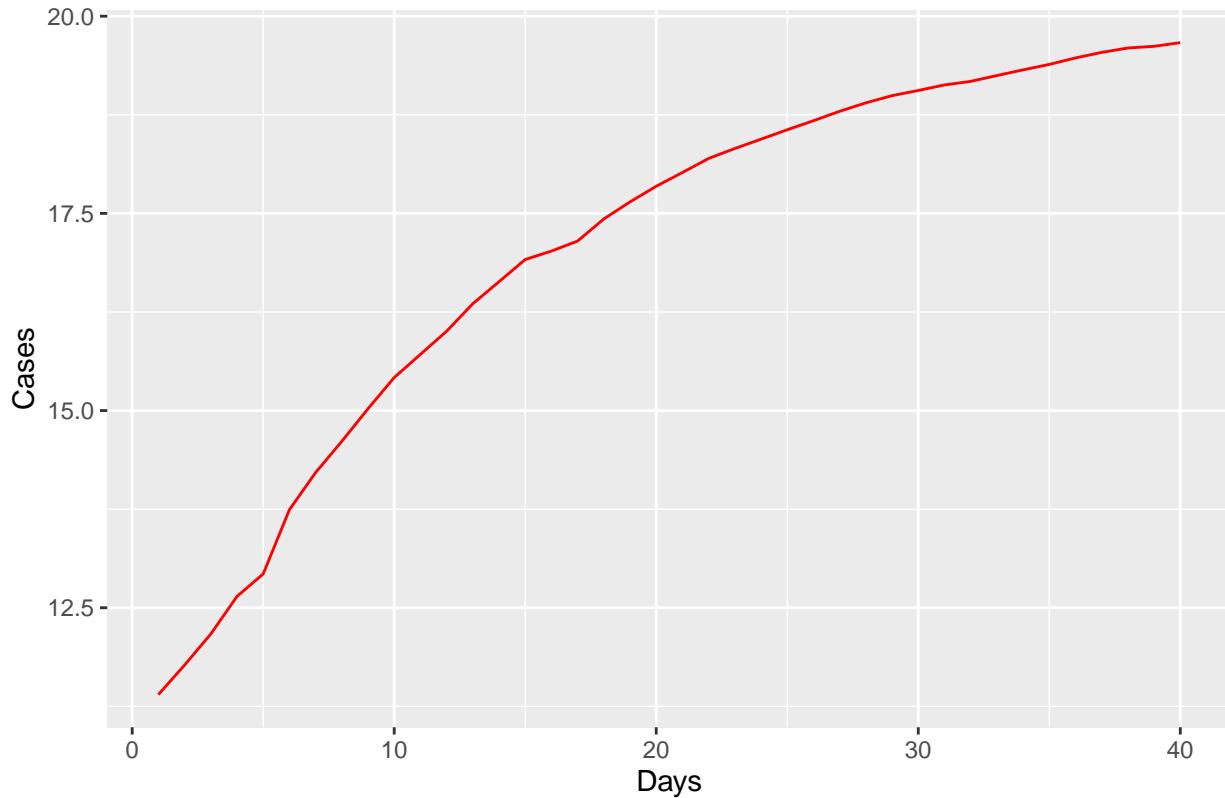
- Tomorrows predicted case number is between **5675.2391925** and **6477.4696273** cases.
- Current doubling rate is **18 days**
- Mean doubling rate, i.e number of cases doubles every **4 days**.
- Median doubling rate, i.e number of cases doubles every **6 days**.
- Latest Observed Growth Rate **3.9611503** percent.
- Mean Growth Rate: **18.6567069** percent.
- Median Growth Rate: **10.9113883** percent.
- Standard deviation: +/- **17.7725719**.

US Corona Dashboard

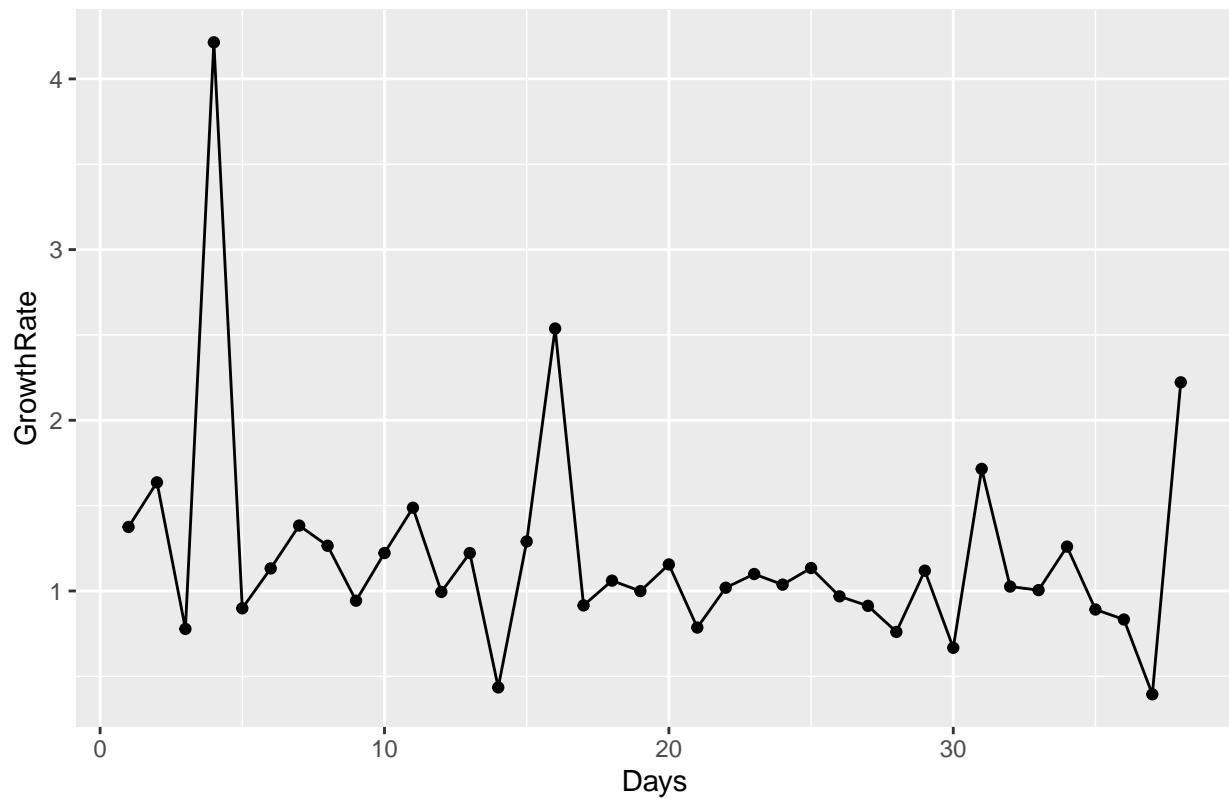
US: Daily Cases



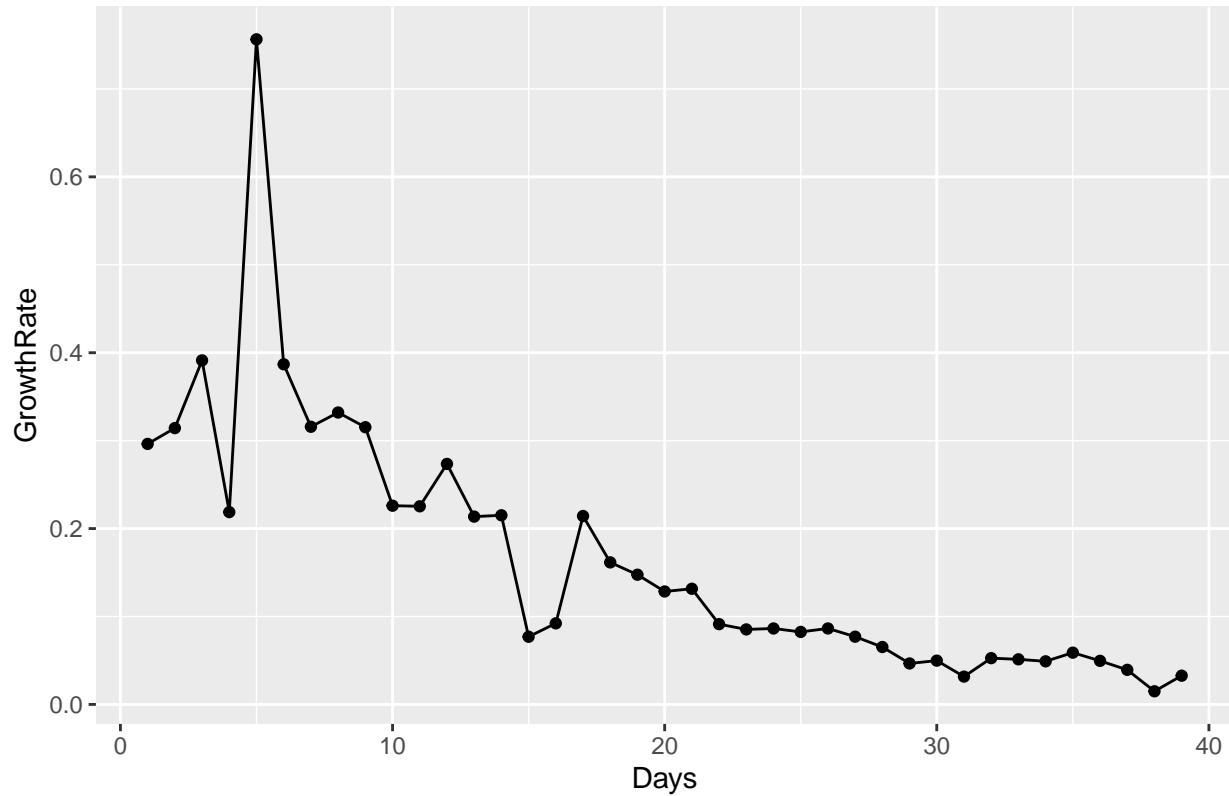
US: Daily Cases



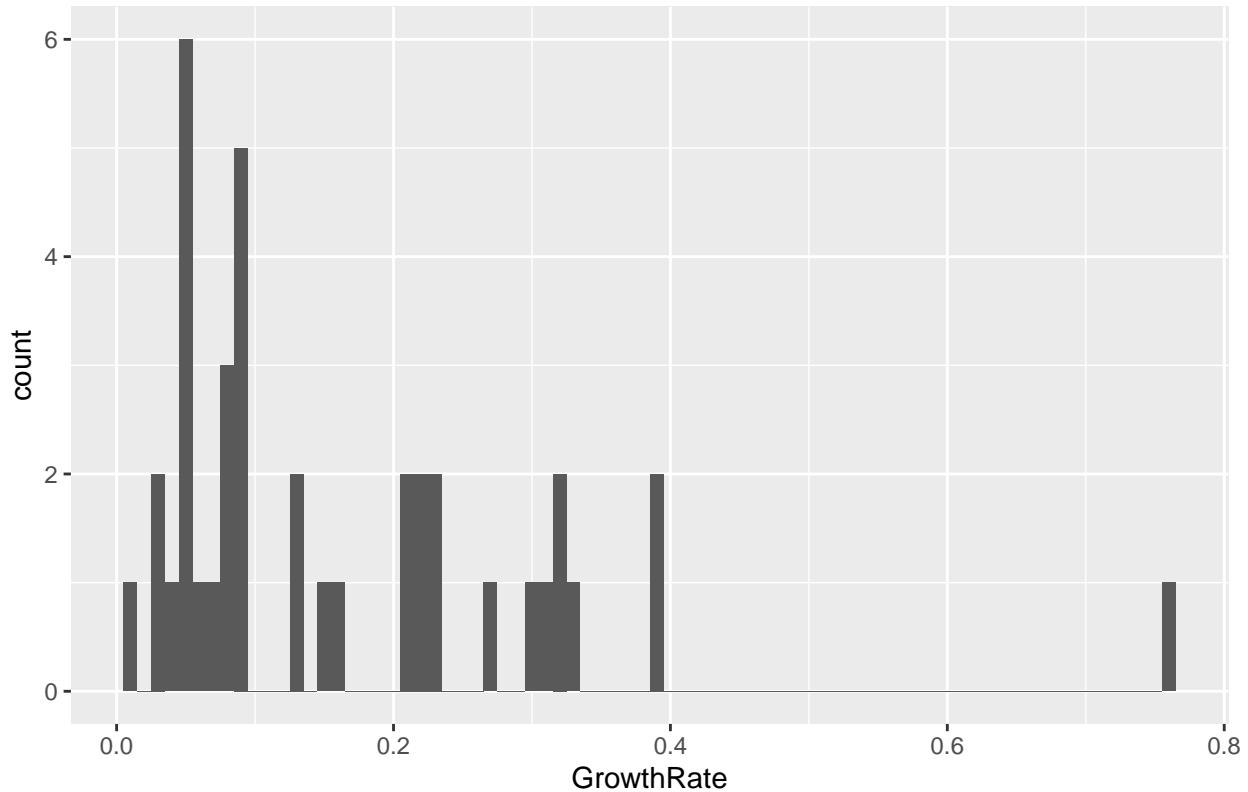
US: Rate of change in Growth Rate



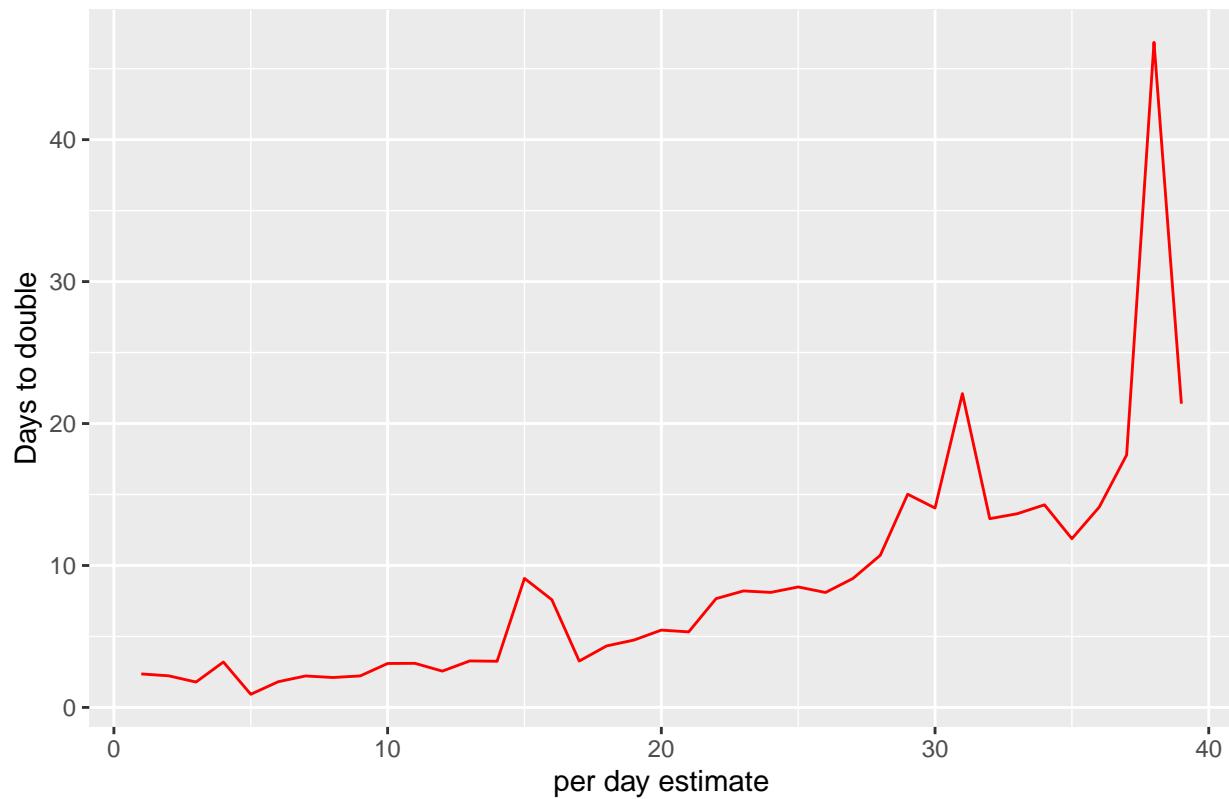
US: Growth Rate



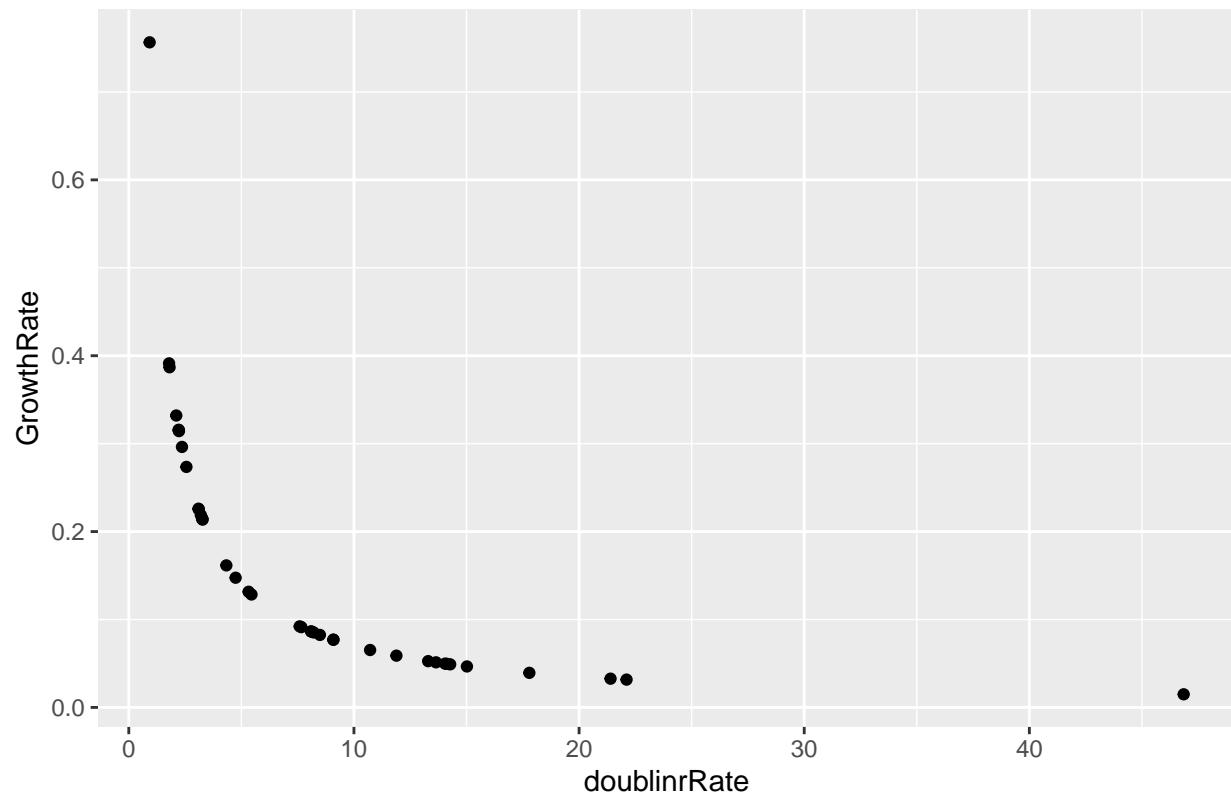
Histogram of GrowthRate



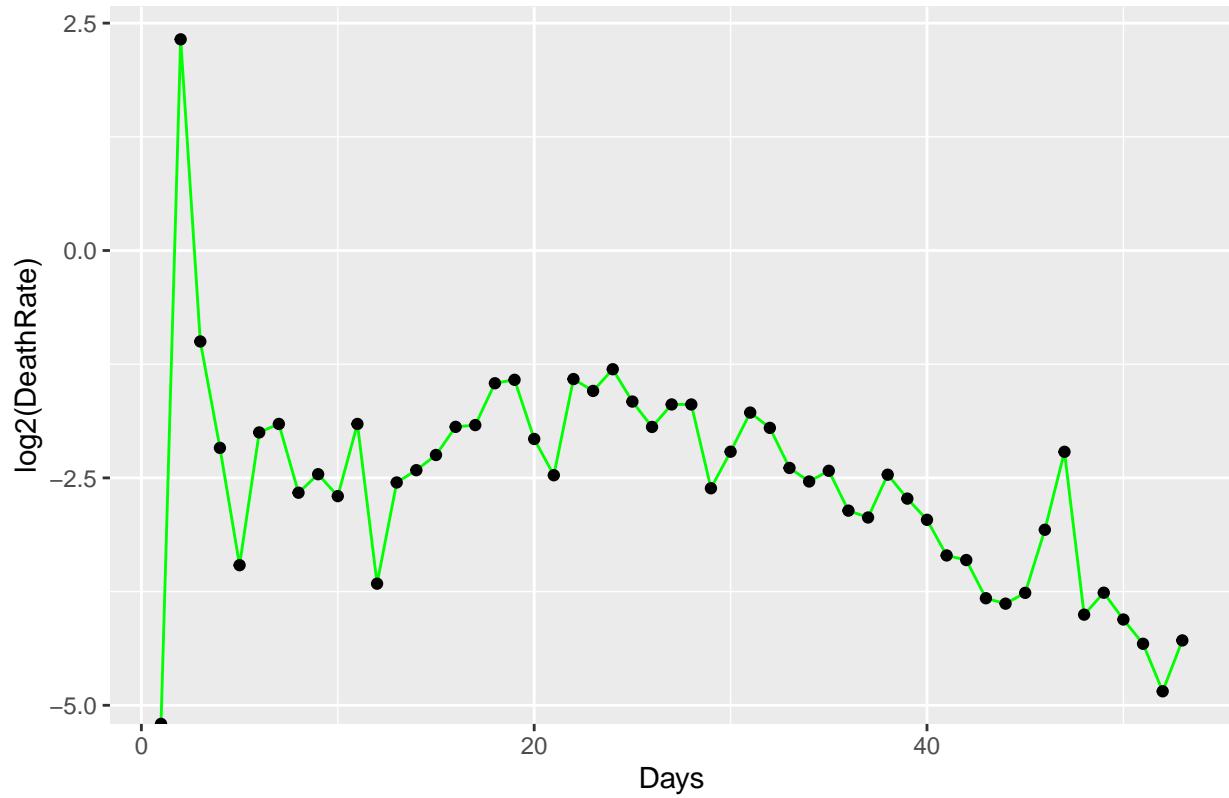
Doubling Rate in days



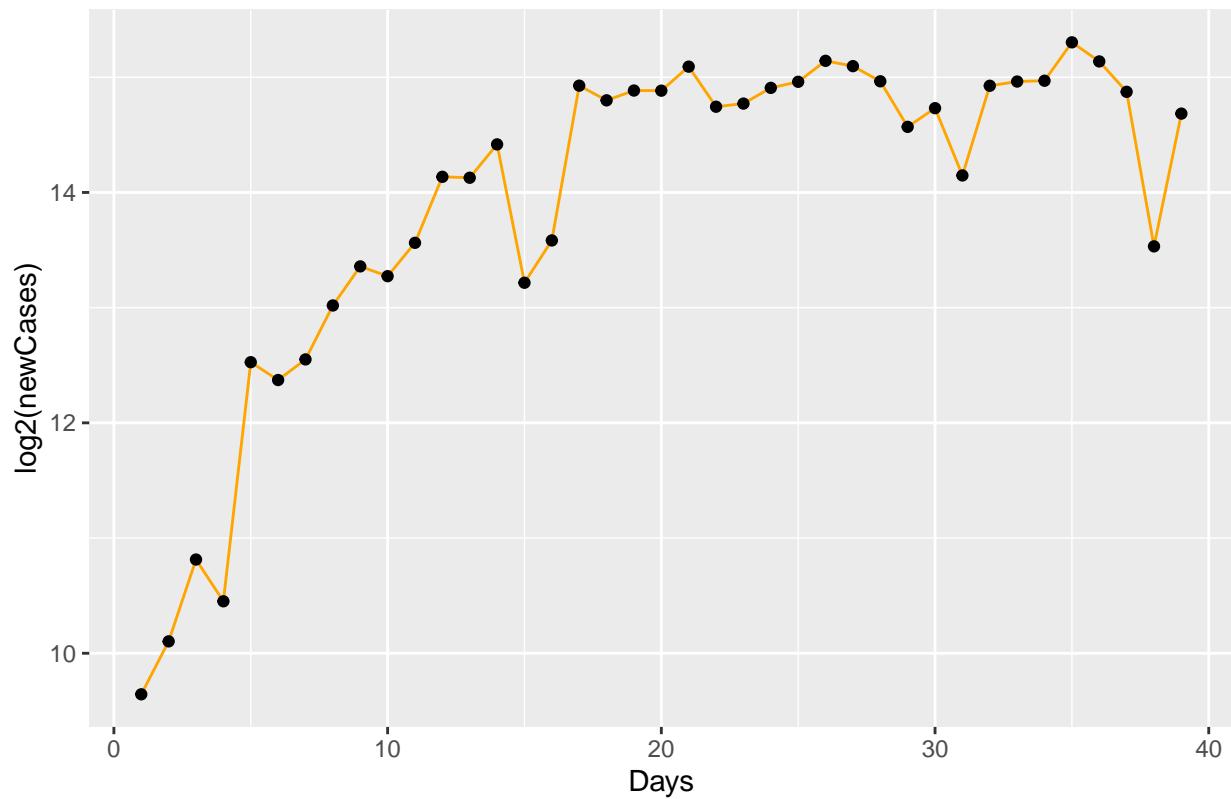
Doubling Rate vs Growth Rate



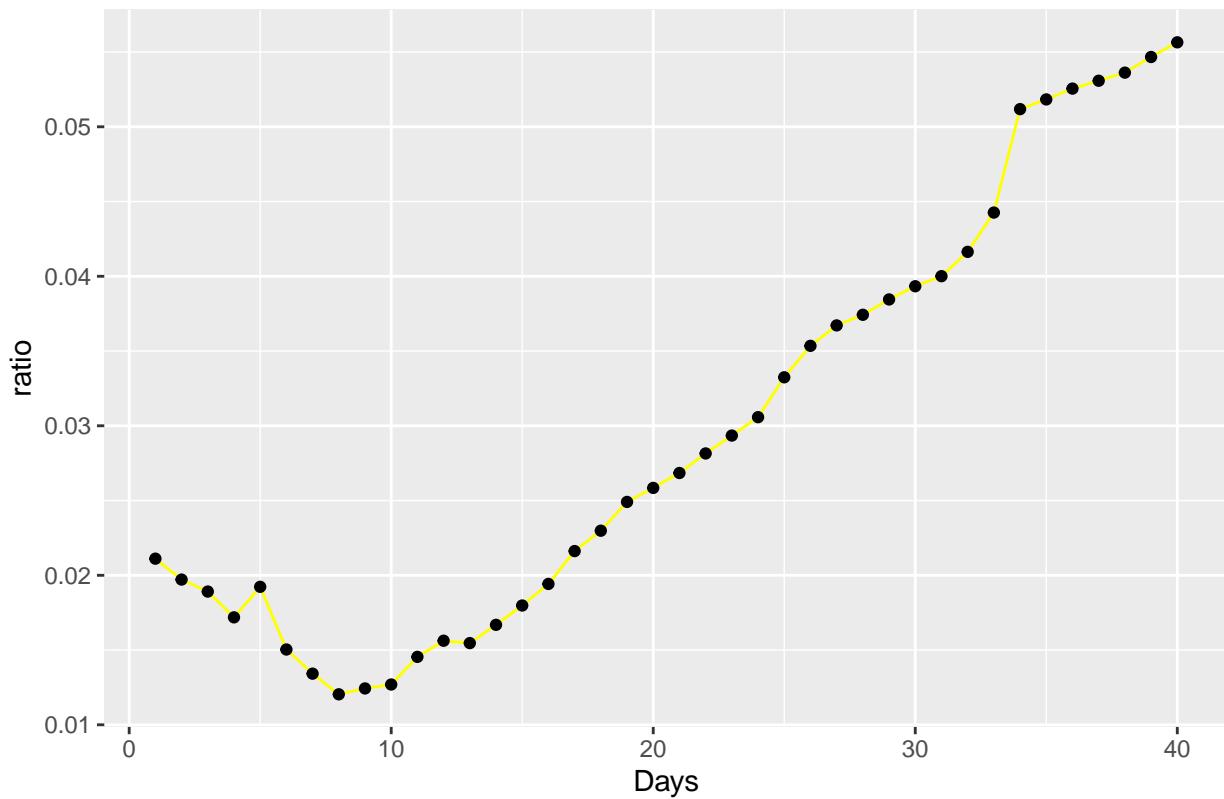
US: Daily Death Rate



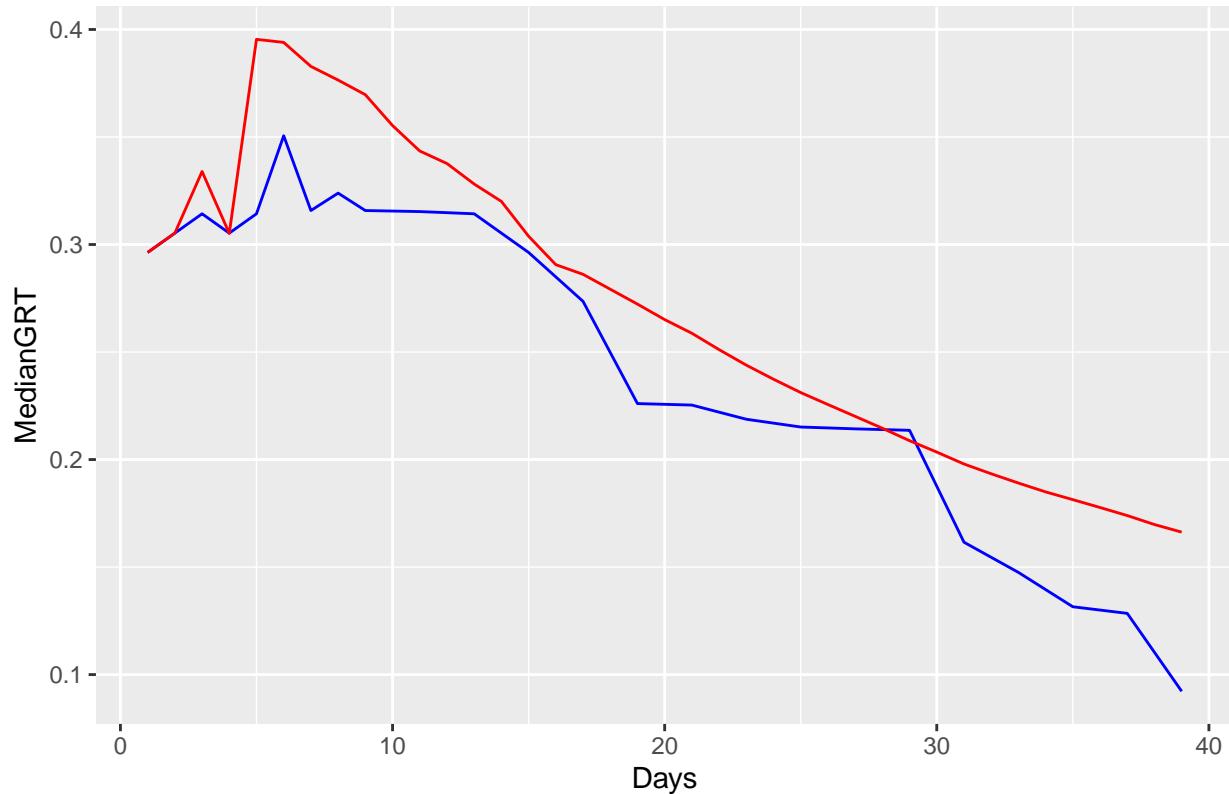
US:newCases(Orange)



US: TotalDeaths/TotalCases



US Median(BLUE)VsMean(RED) Growth Rate

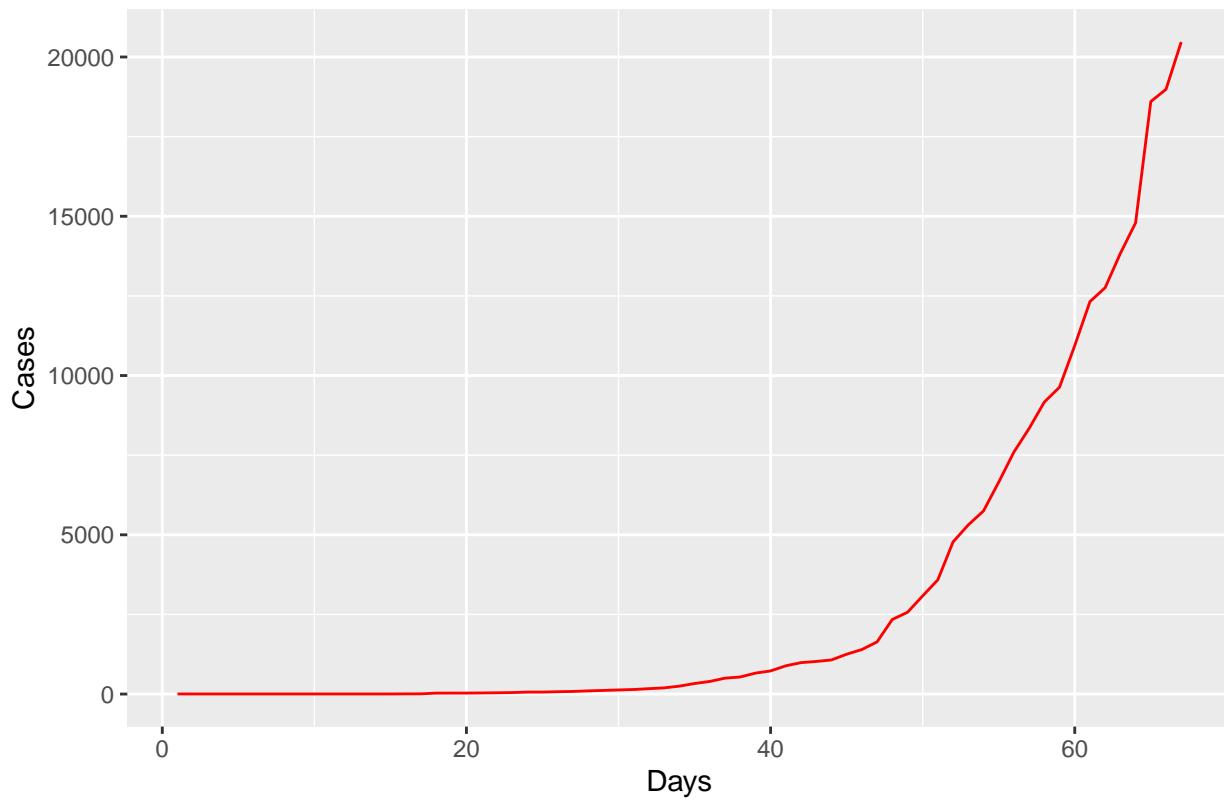


Results:

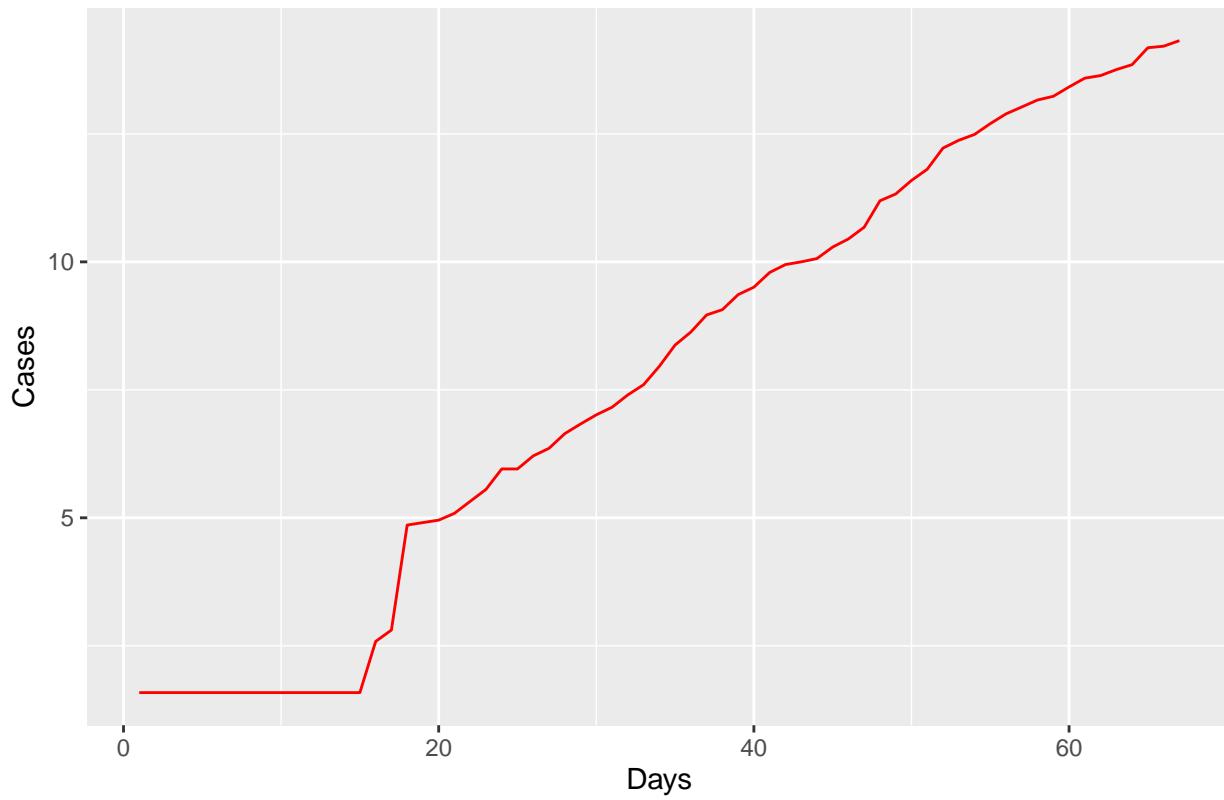
- Tomorrows predicted case number is between 8.5827427×10^5 and 9.6926034×10^5 cases.
- Current doubling rate is **21 days**
- Mean doubling rate, i.e number of cases doubles every **4 days**.
- Median doubling rate, i.e number of cases doubles every **8 days**.
- Latest Observed Growth Rate **3.2714142** percent.
- Mean Growth Rate: **16.6257574** percent.
- Median Growth Rate: **9.2228049** percent.
- Standard deviation: +/- **14.6996502**.

India Corona Dashboard

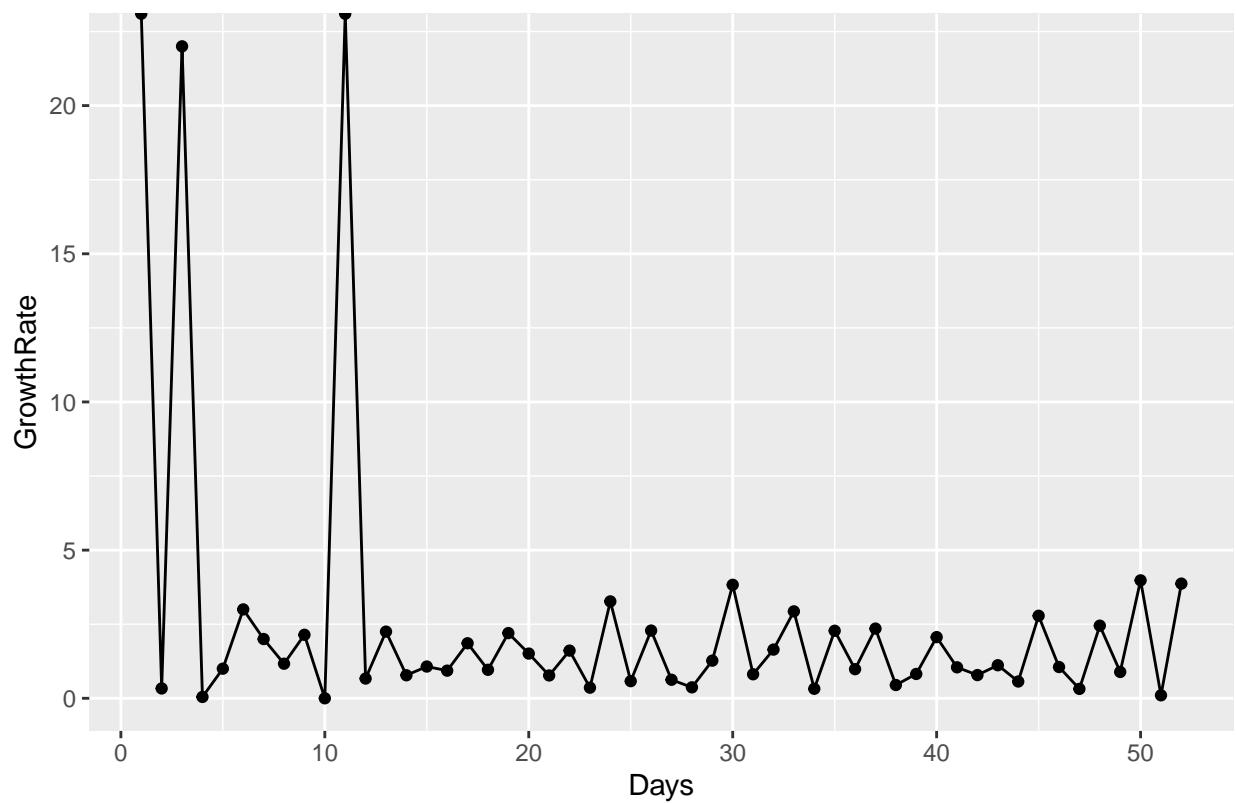
India: Daily Cases



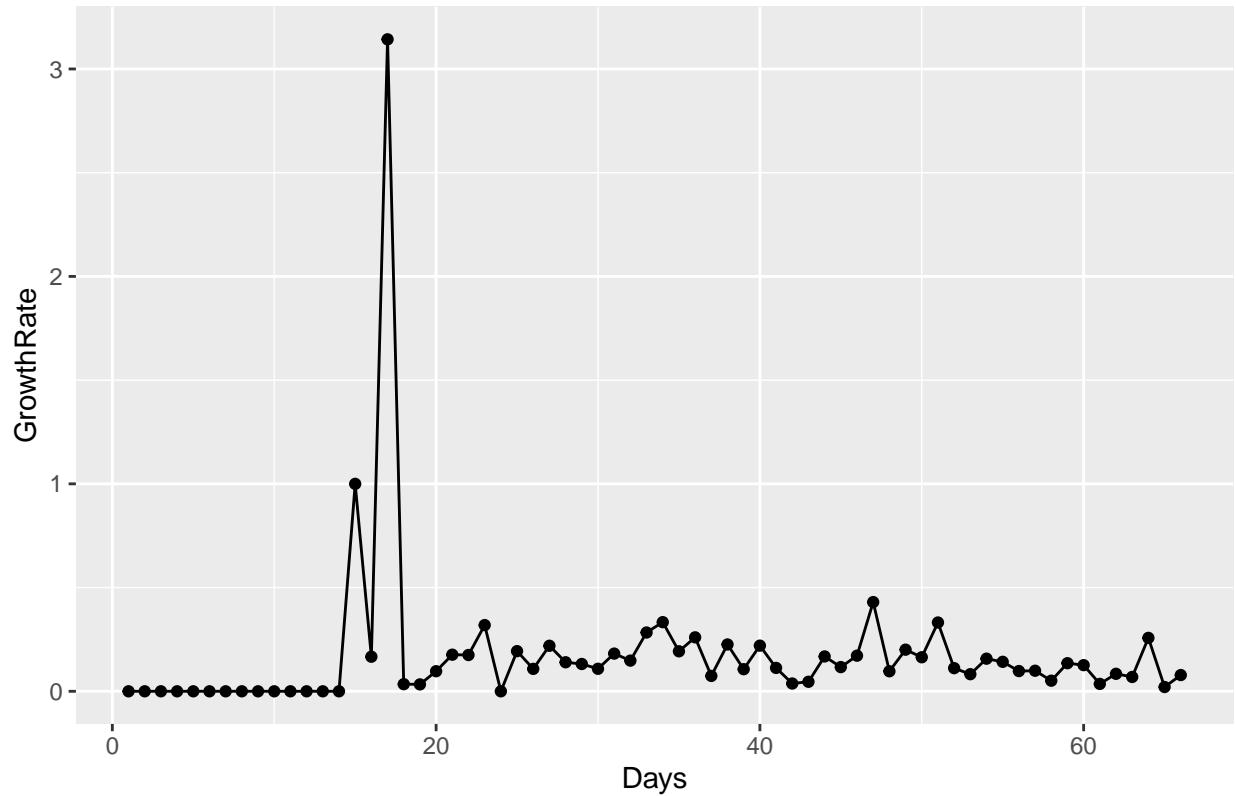
India: Daily Cases



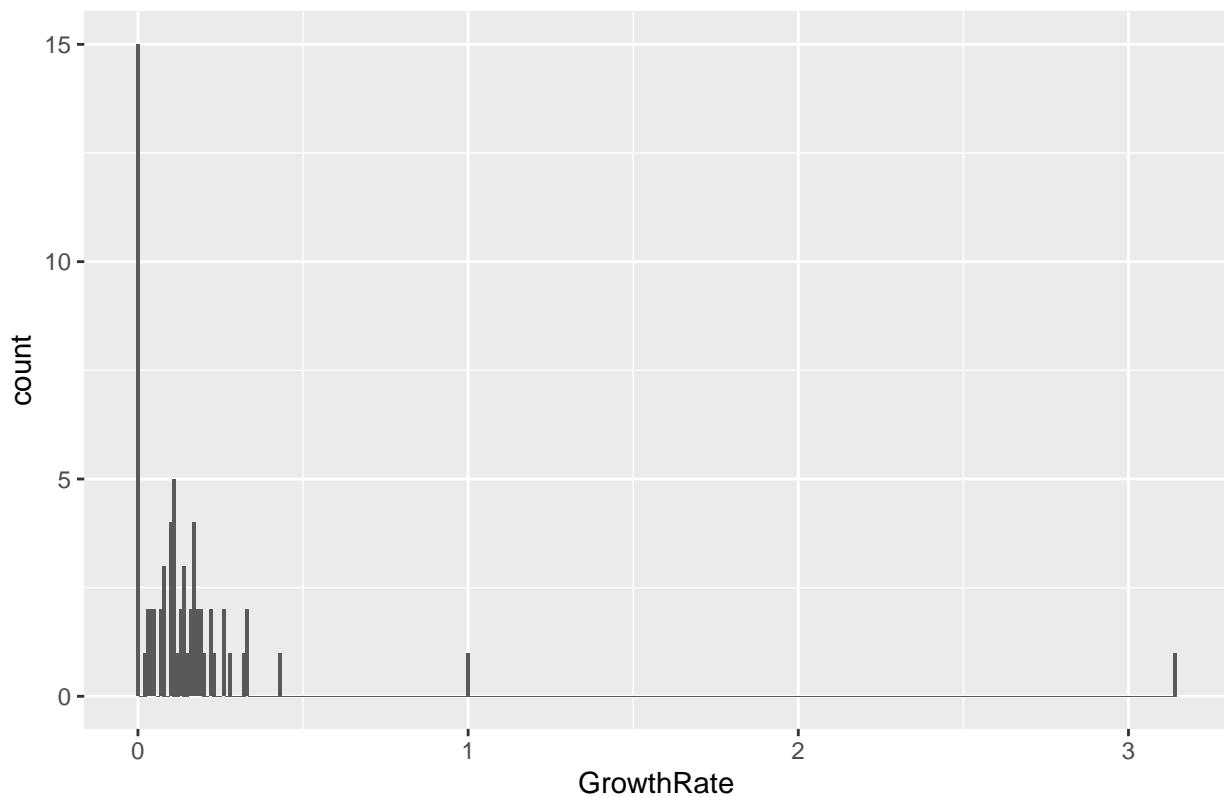
US: Rate of change in Growth Rate



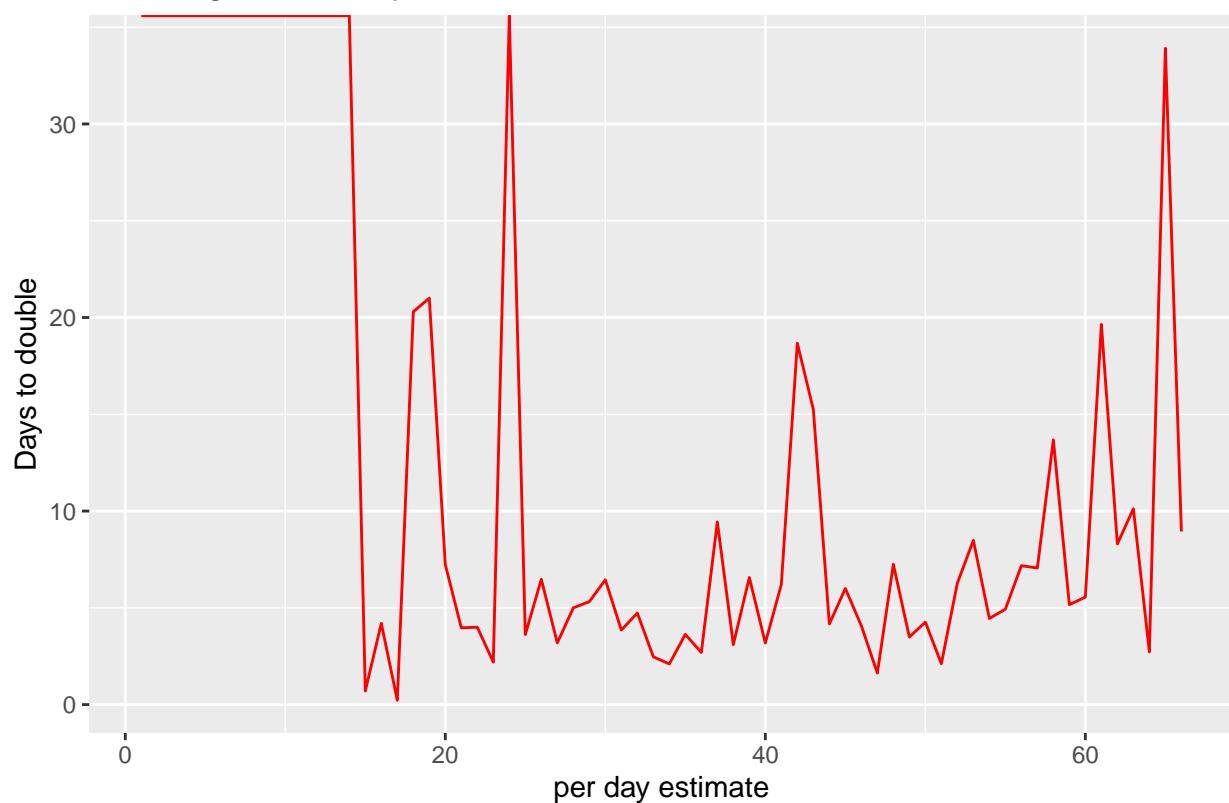
India: Growth Rate



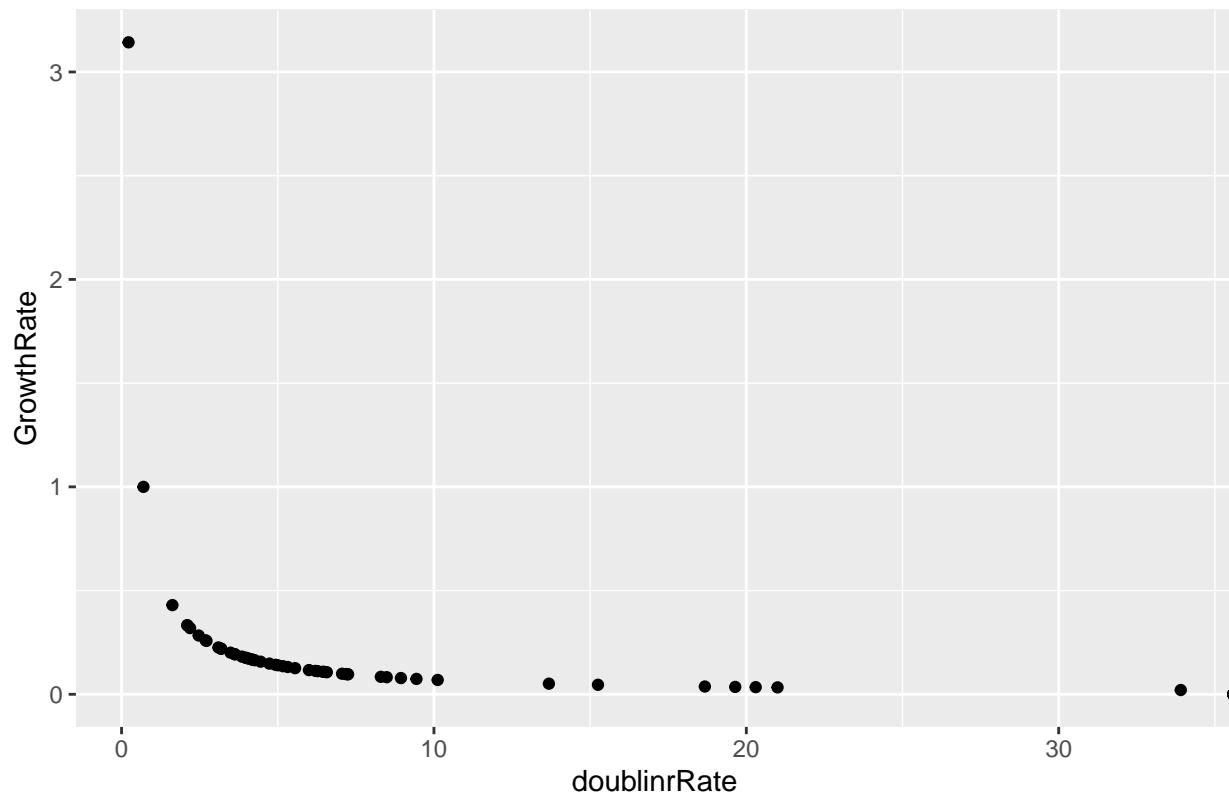
Histogram of GrowthRate



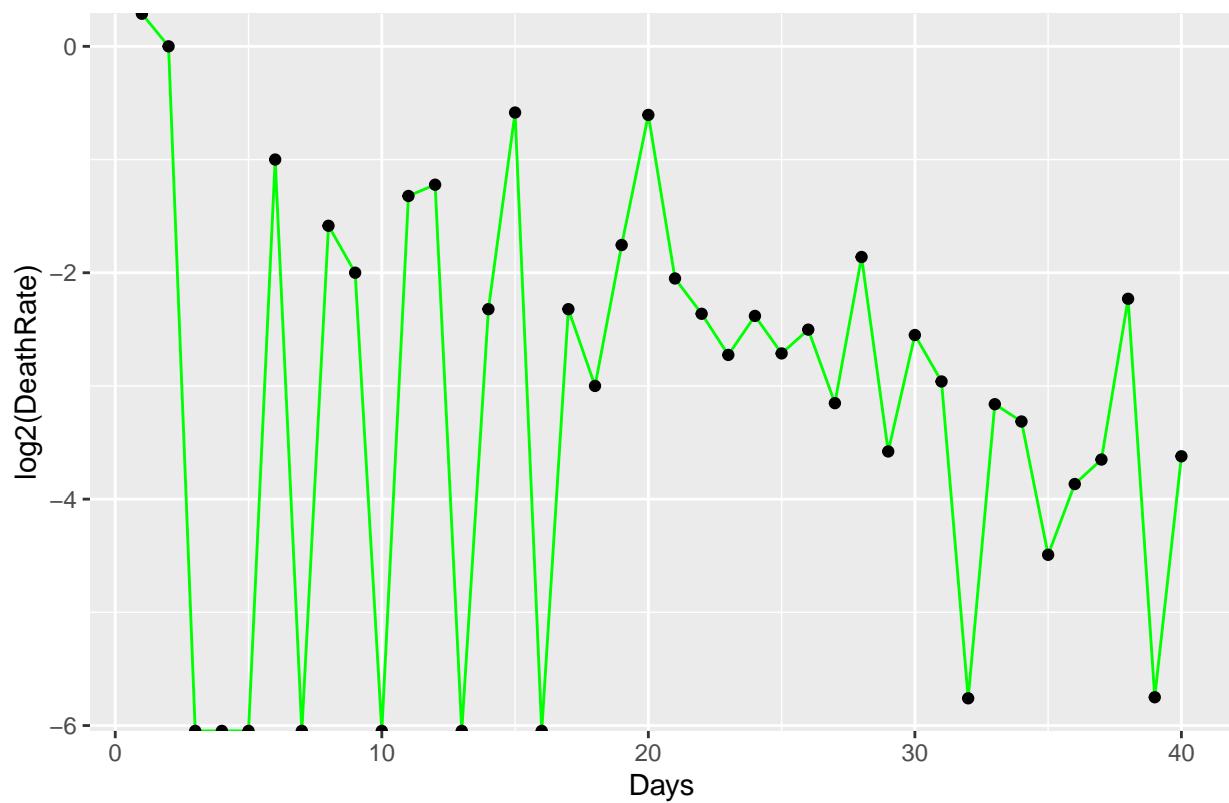
Doubling Rate in days



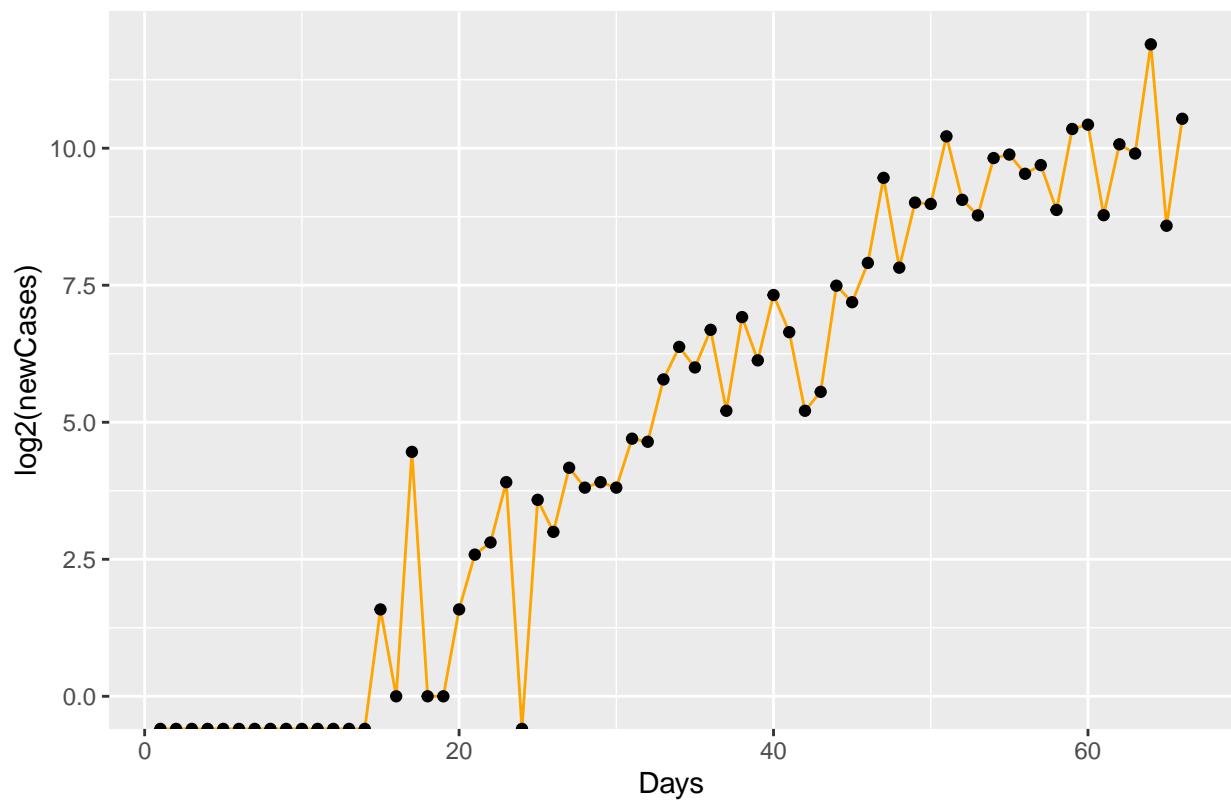
Doubling Rate vs Growth Rate



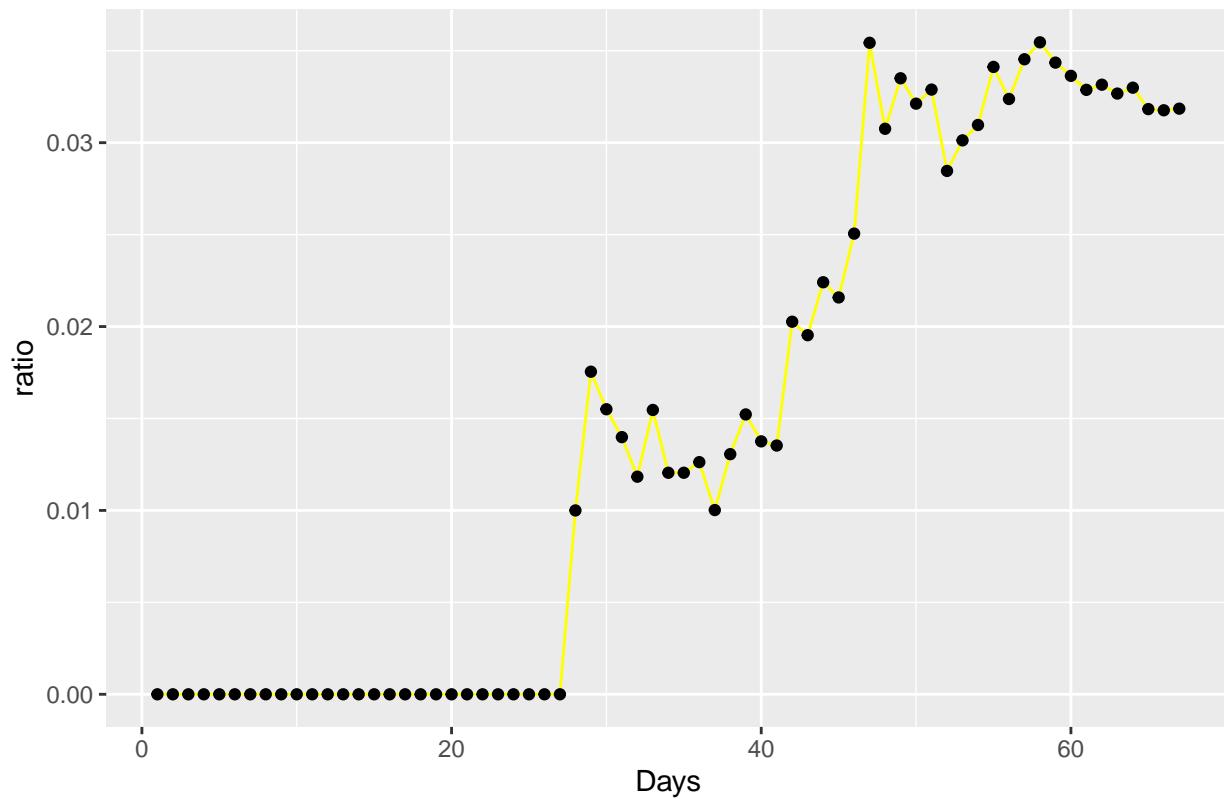
India: Daily Death Rate



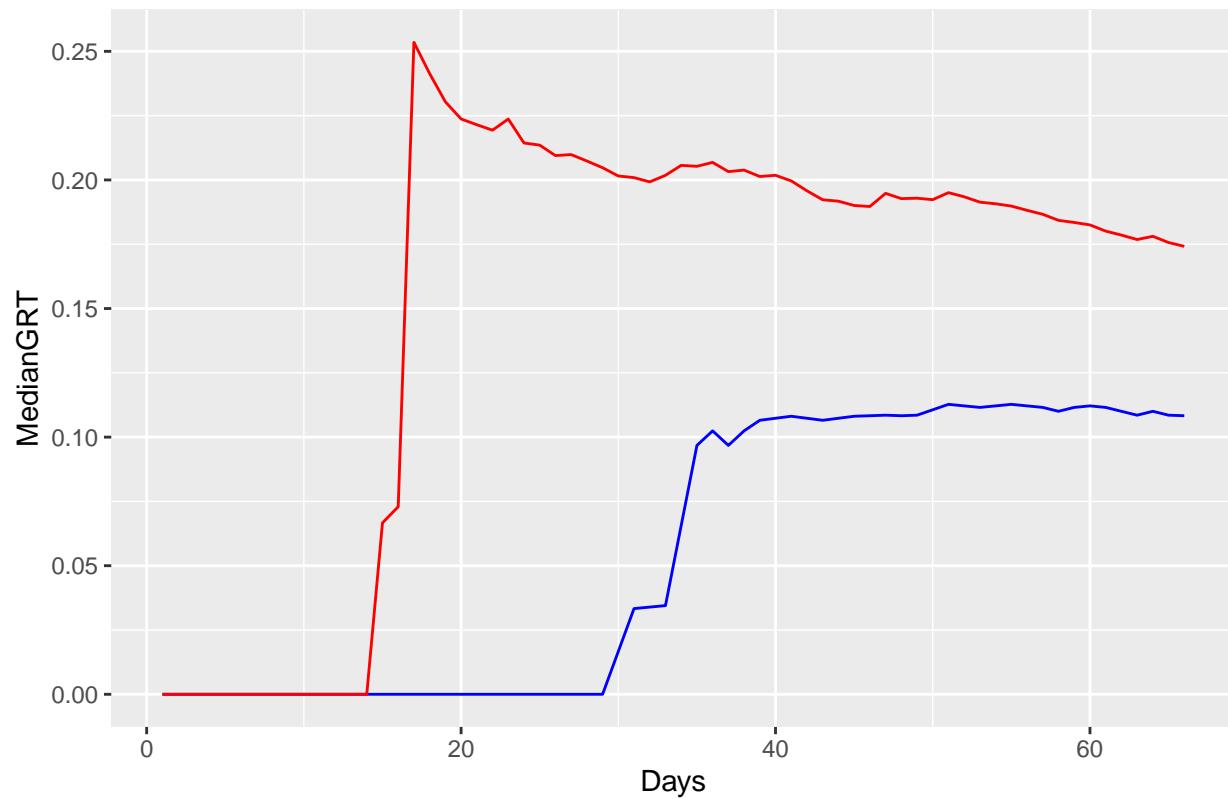
India:newCases(Orange)



India: TotalDeaths/TotalCases



India Median(BLUE)VsMean(RED) Growth Rate



Results:

- Tomorrows predicted case number is between 2.2073313×10^4 and 2.4036696×10^4 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 **6 days**.
- Latest Observed Growth Rate **7.827232** percent.
- Mean Growth Rate: **17.4182772** percent.
- Median Growth Rate: **10.831762** percent.
- Standard deviation: +/- **39.9175812**.