

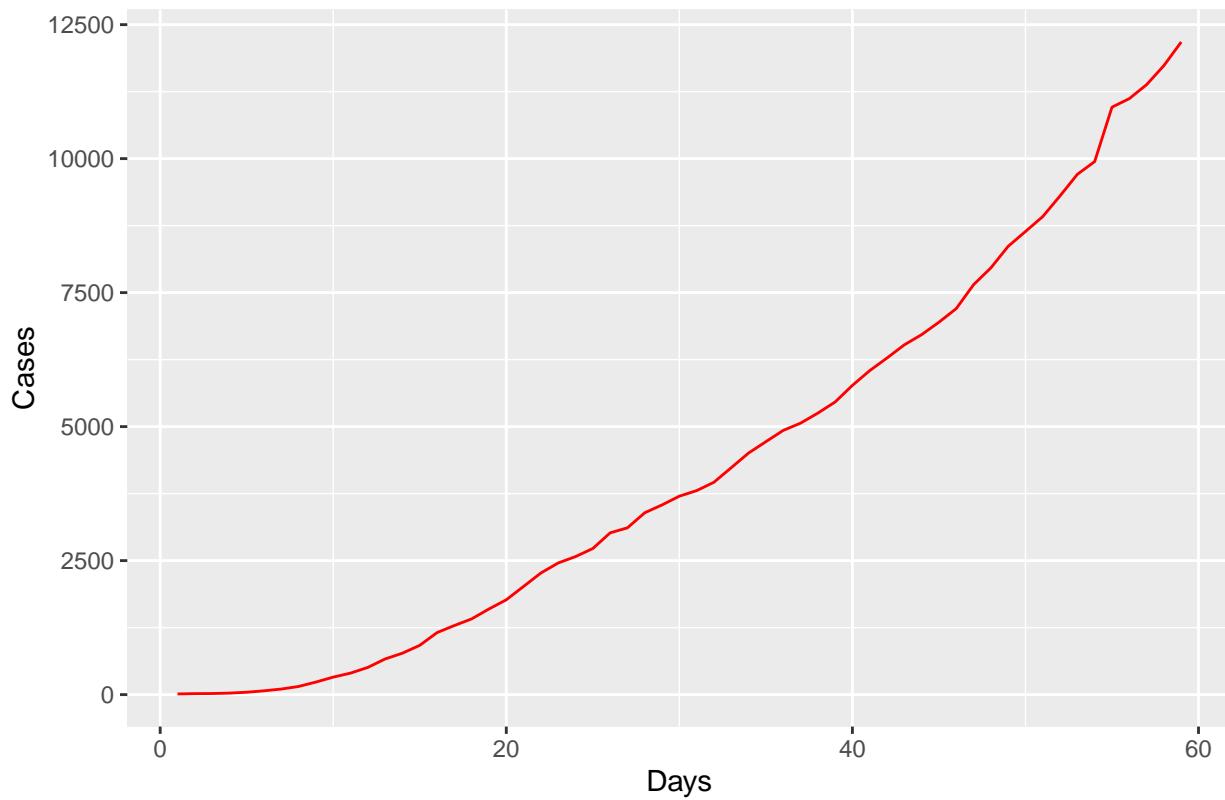
Arizona/US/India Corona Trends- 13th May 2020 with tomorrow's prediction

Whitchurch Muthumani

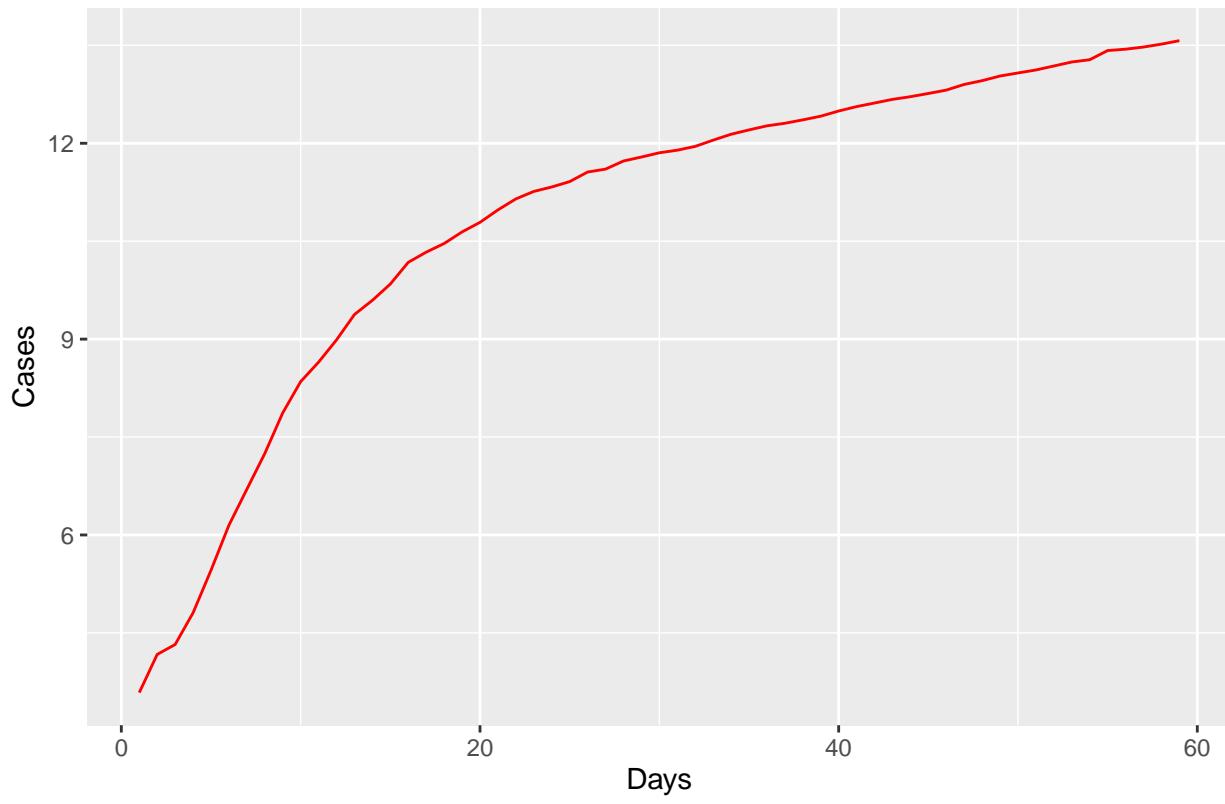
5/13/2020

Arizona Corona Dashboard

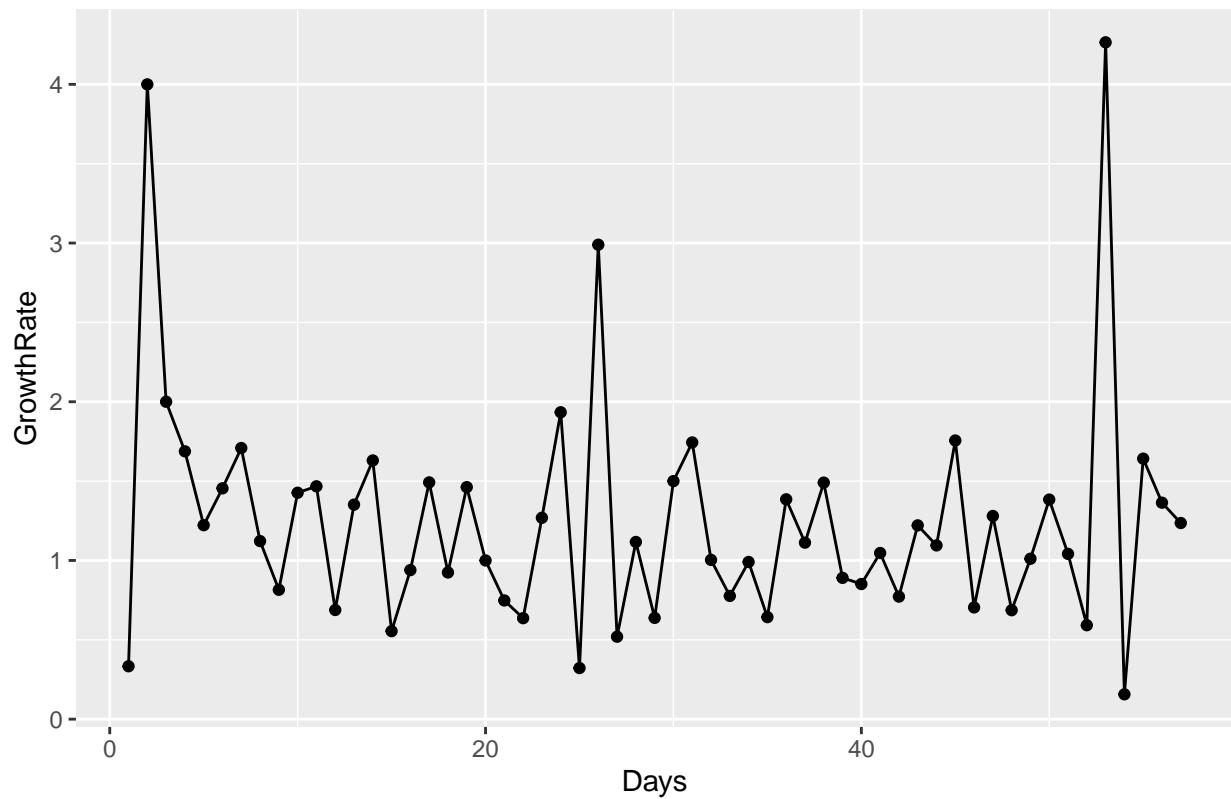
Arizona: Daily Cases



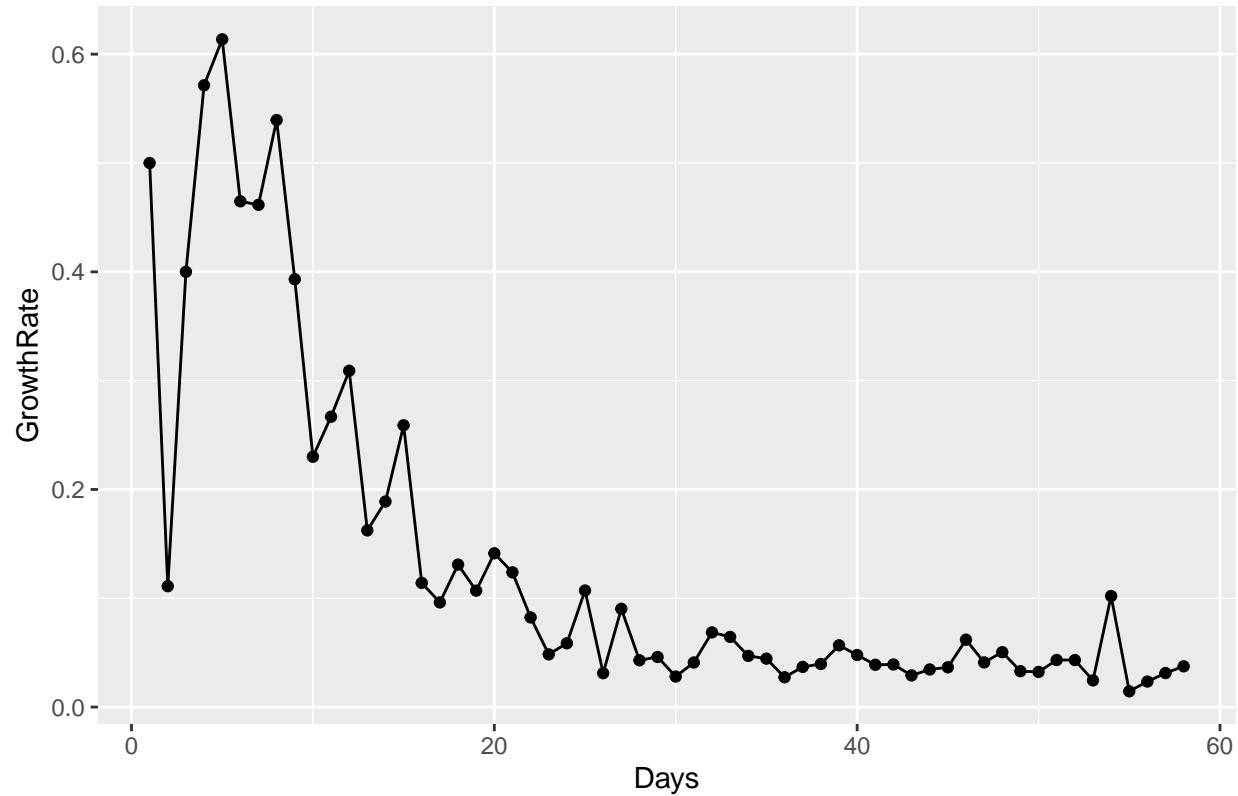
Arizona: Daily Cases



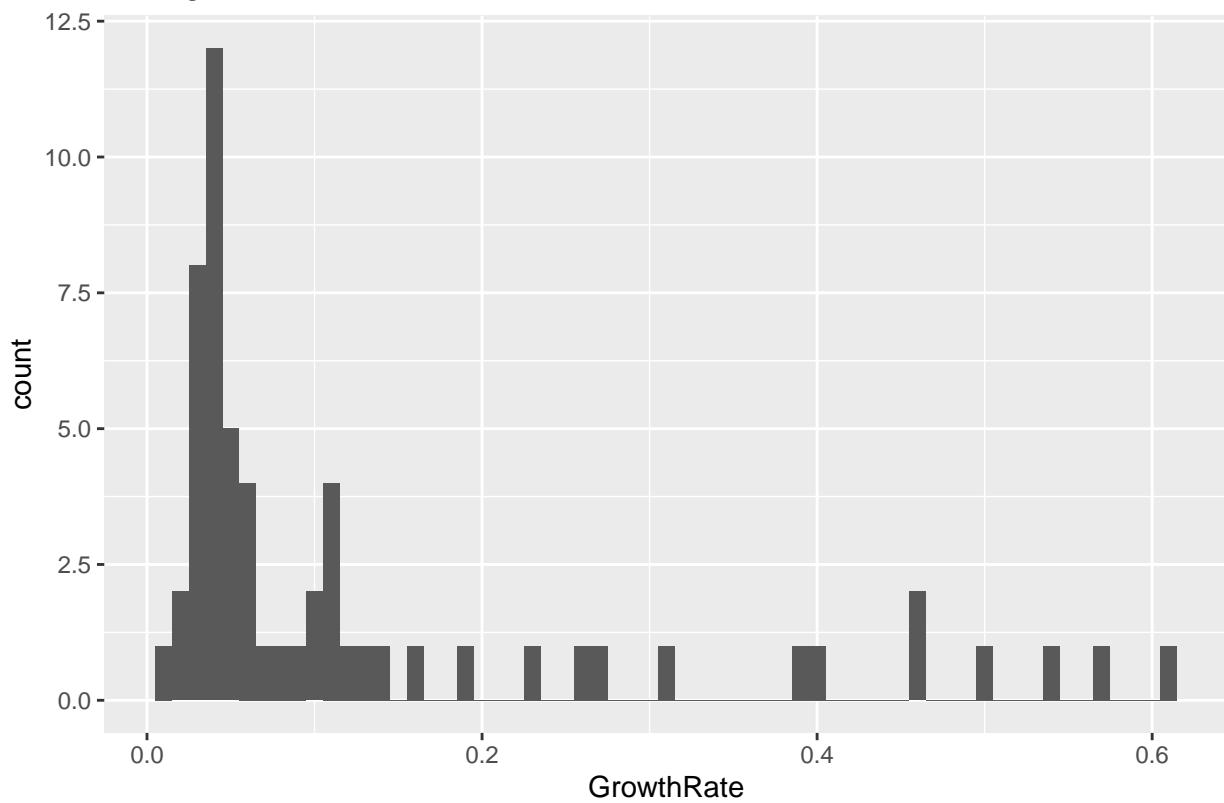
Arizona: Rate of change in Growth Rate



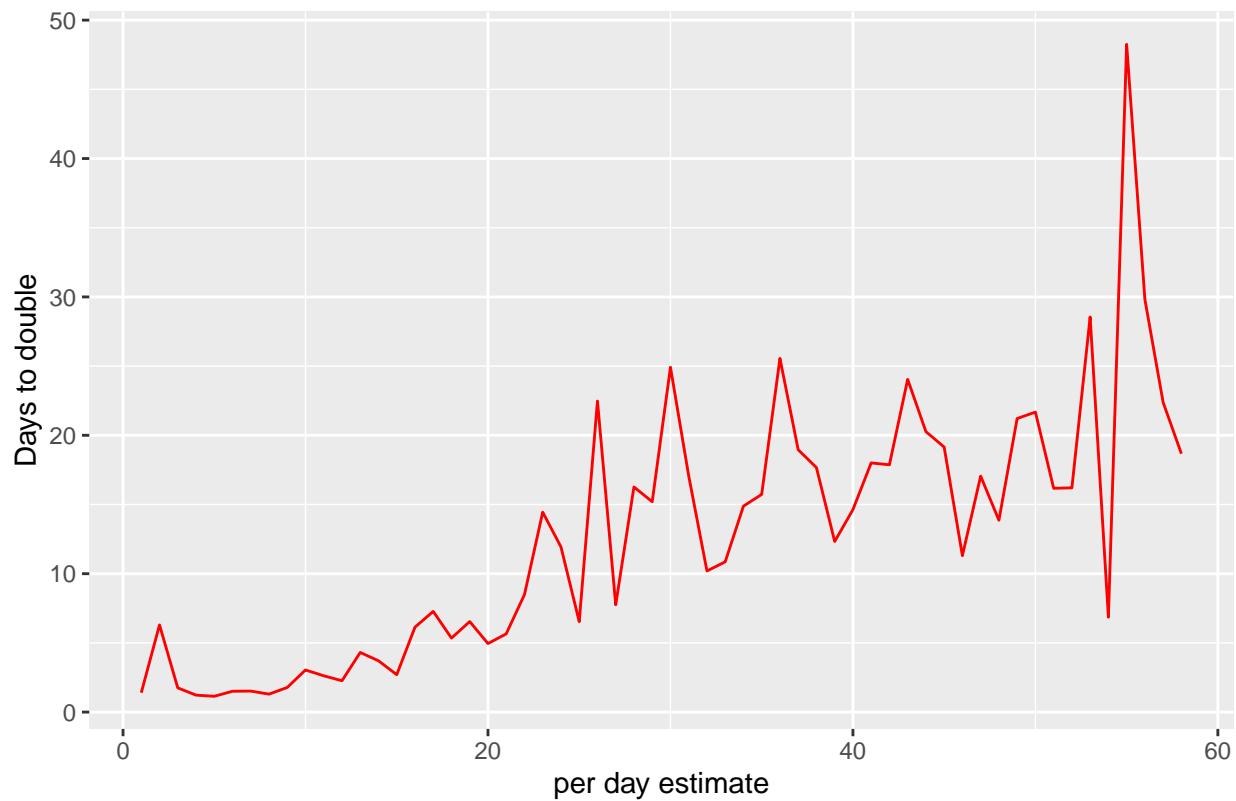
Arizona: Growth Rate



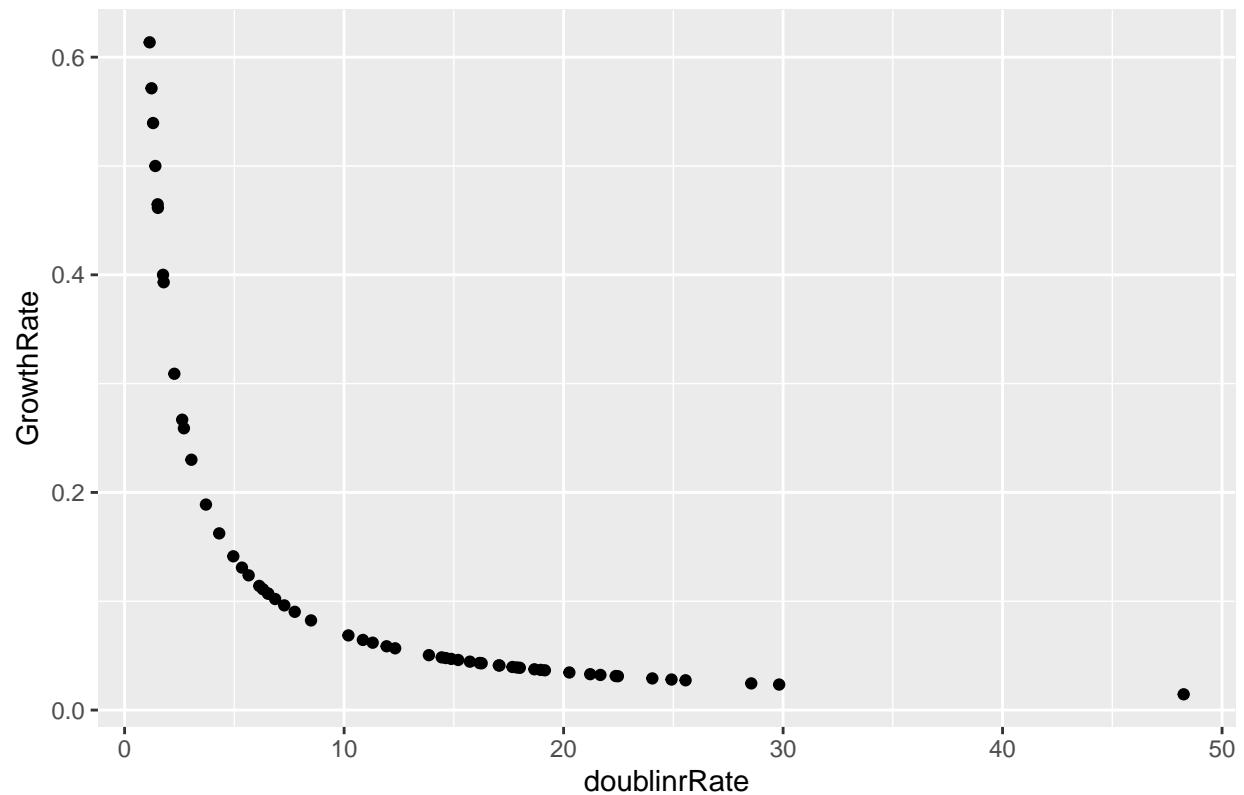
Histogram of GrowthRate



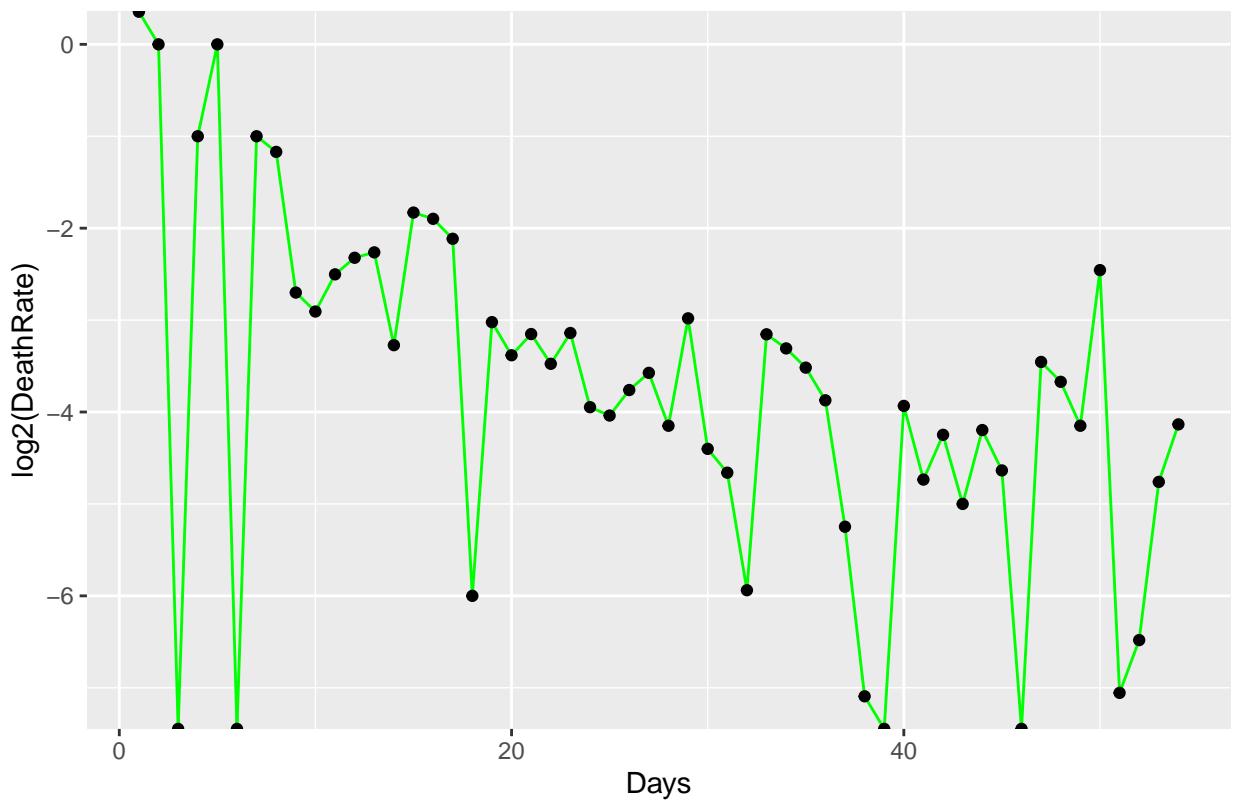
Doubling Rate in days



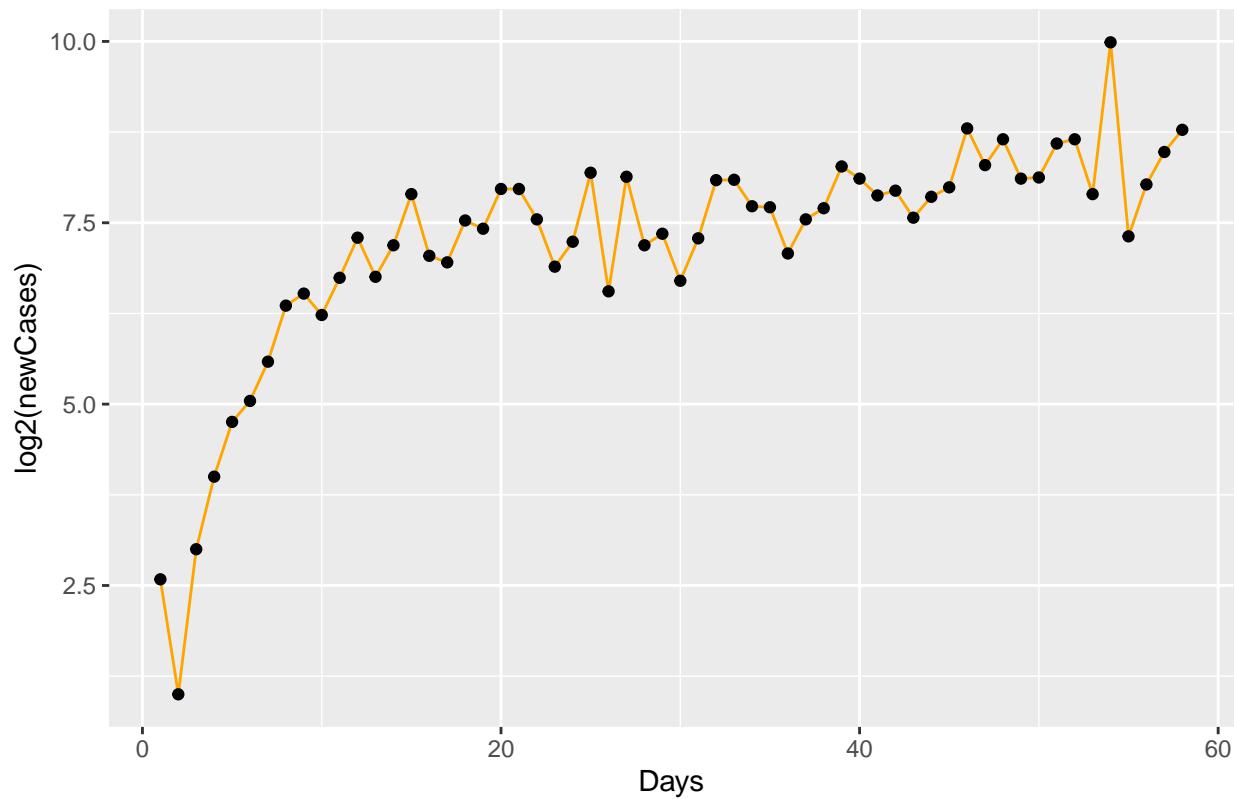
Doubling Rate vs Growth Rate



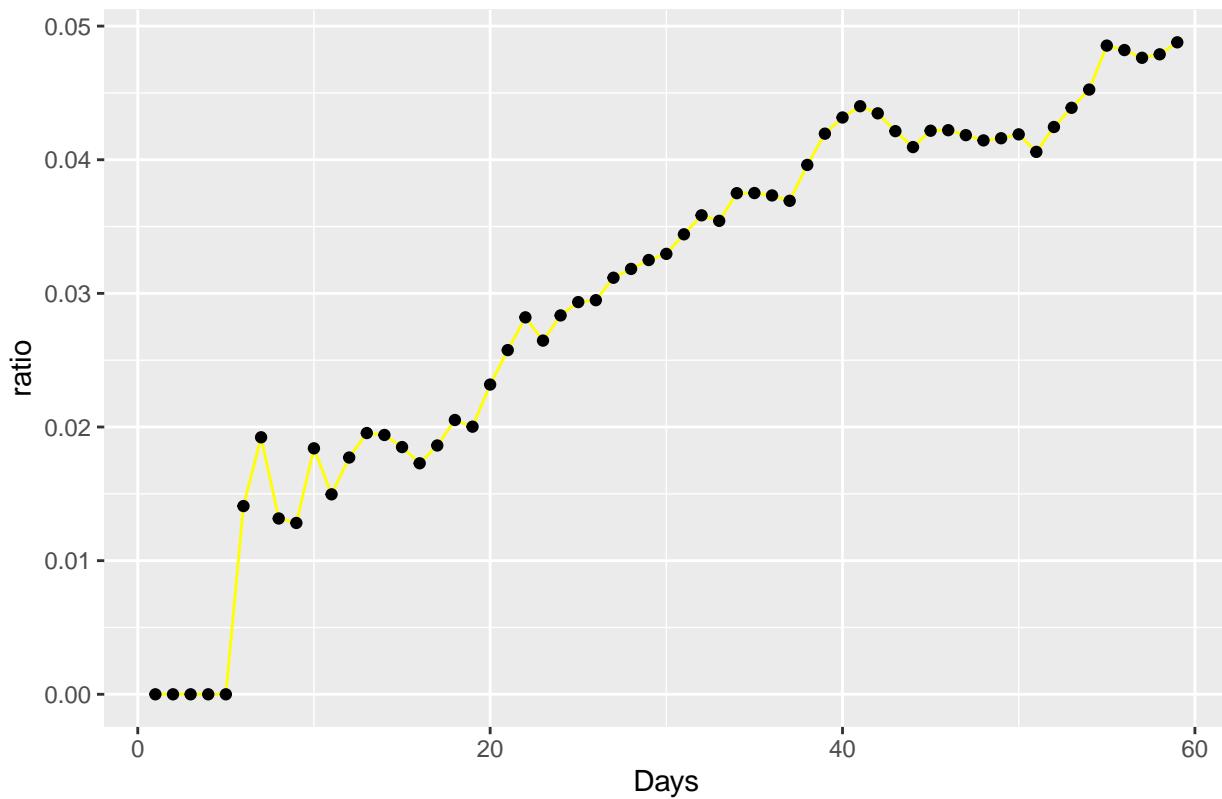
Arizona: Daily Death Rate



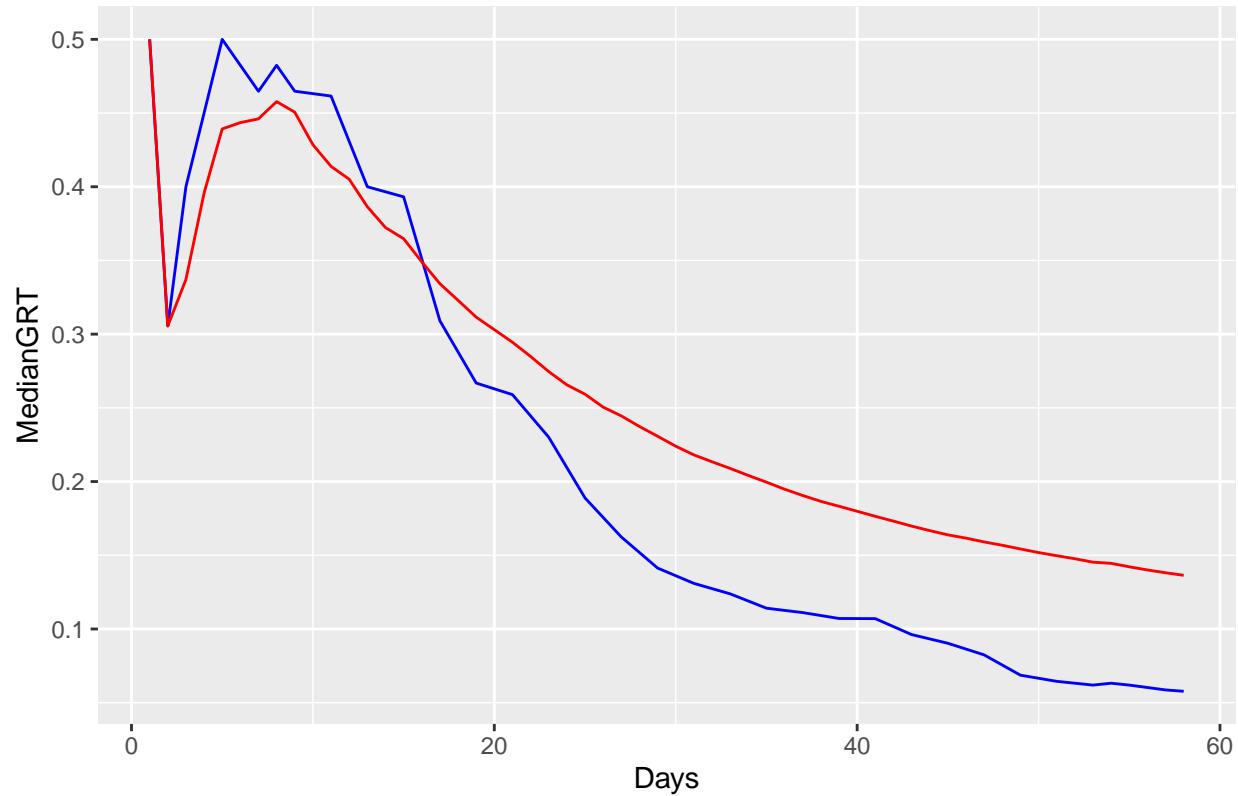
Arizona:newCases(Orange)



Arizona: TotalDeaths/TotalCases



Arizona Median(BLUE)VsMean(RED) Growth Rate

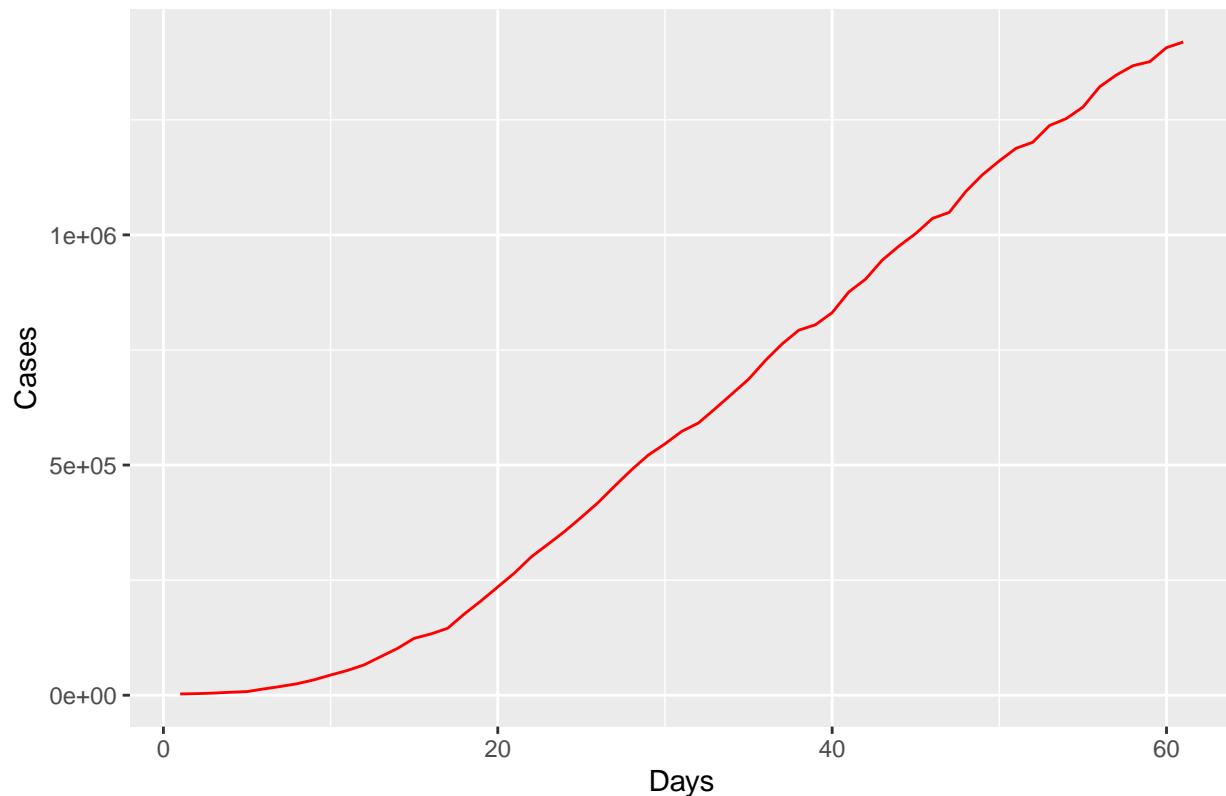


Results:

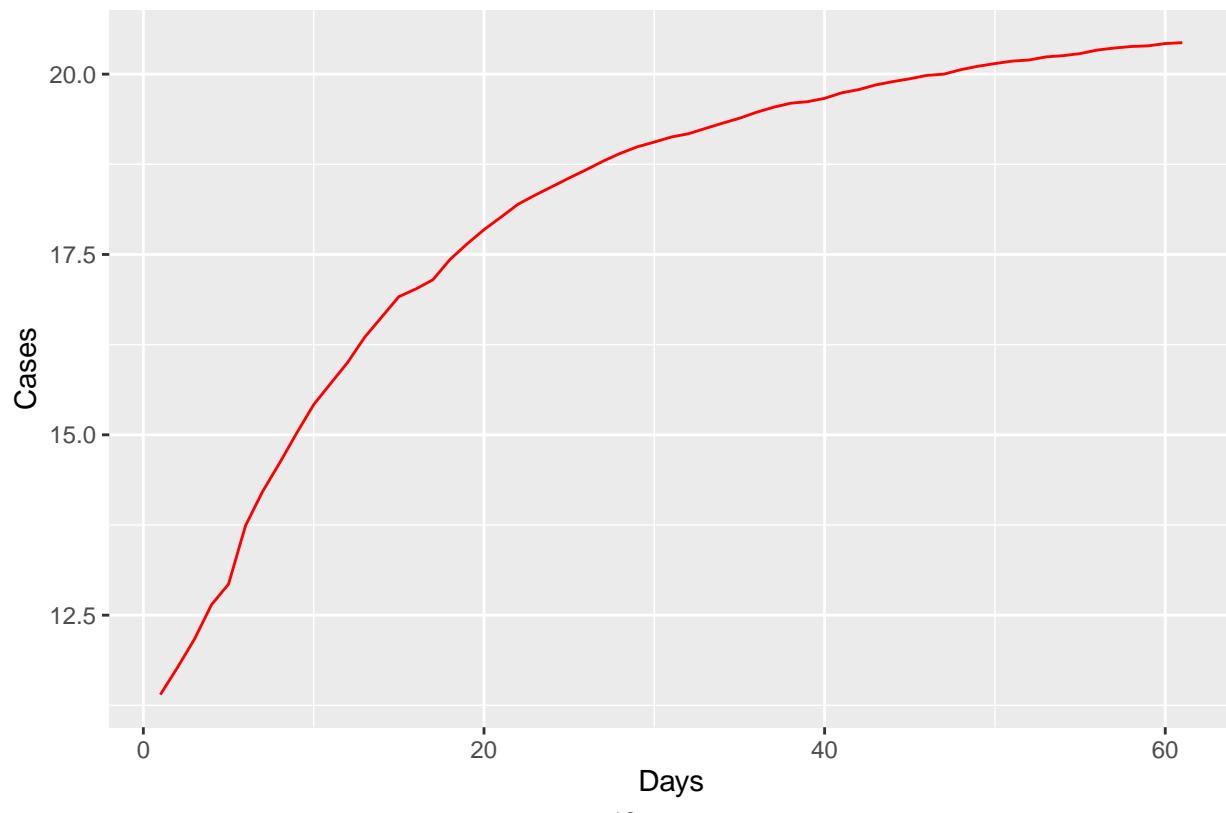
- Tomorrows predicted case number is between 1.2632496×10^4 and 1.3836769×10^4 cases.
- Current doubling rate is **19 days**
- Mean doubling rate, i.e number of cases doubles every **5 days**.
- Median doubling rate, i.e number of cases doubles every **12 days**.
- Latest Observed Growth Rate **3.7491479** percent.
- Mean Growth Rate: **13.6396898** percent.
- Median Growth Rate: **5.7713867** percent.
- Standard deviation: +/- **15.9625478**.

US Corona Dashboard

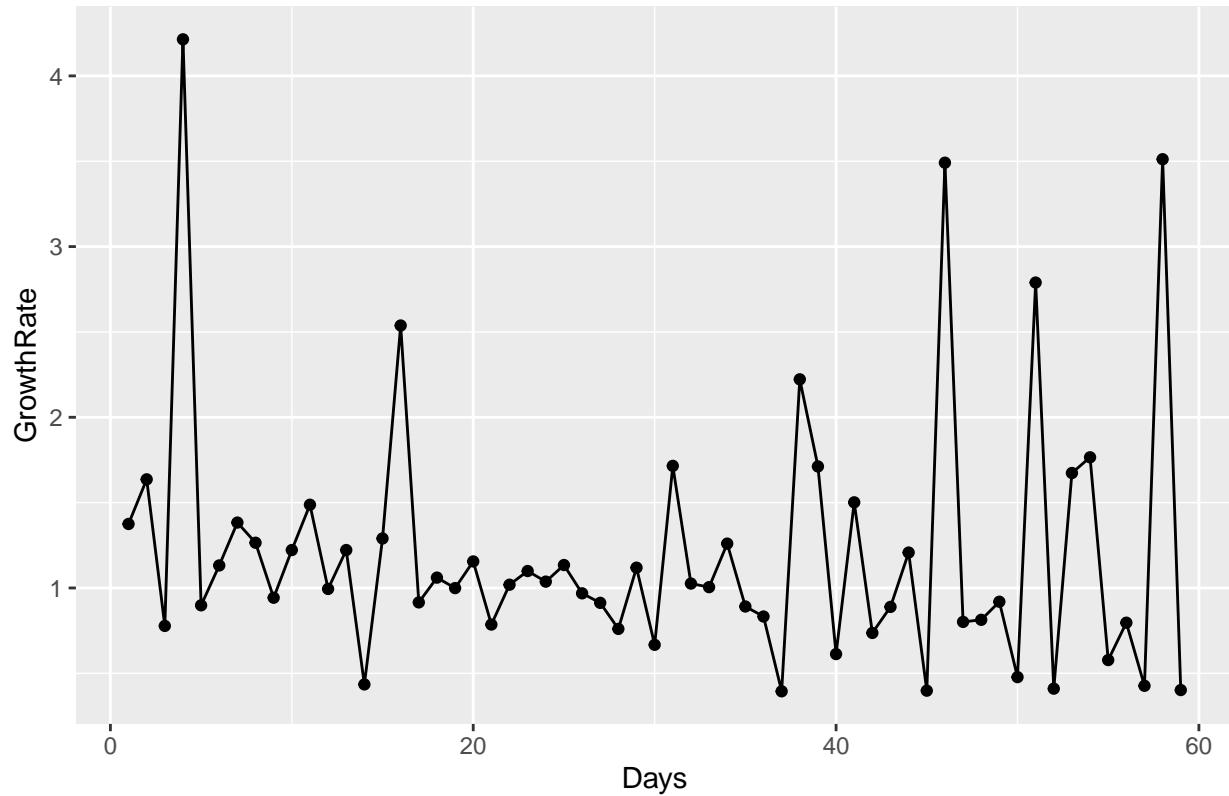
US: Daily Cases



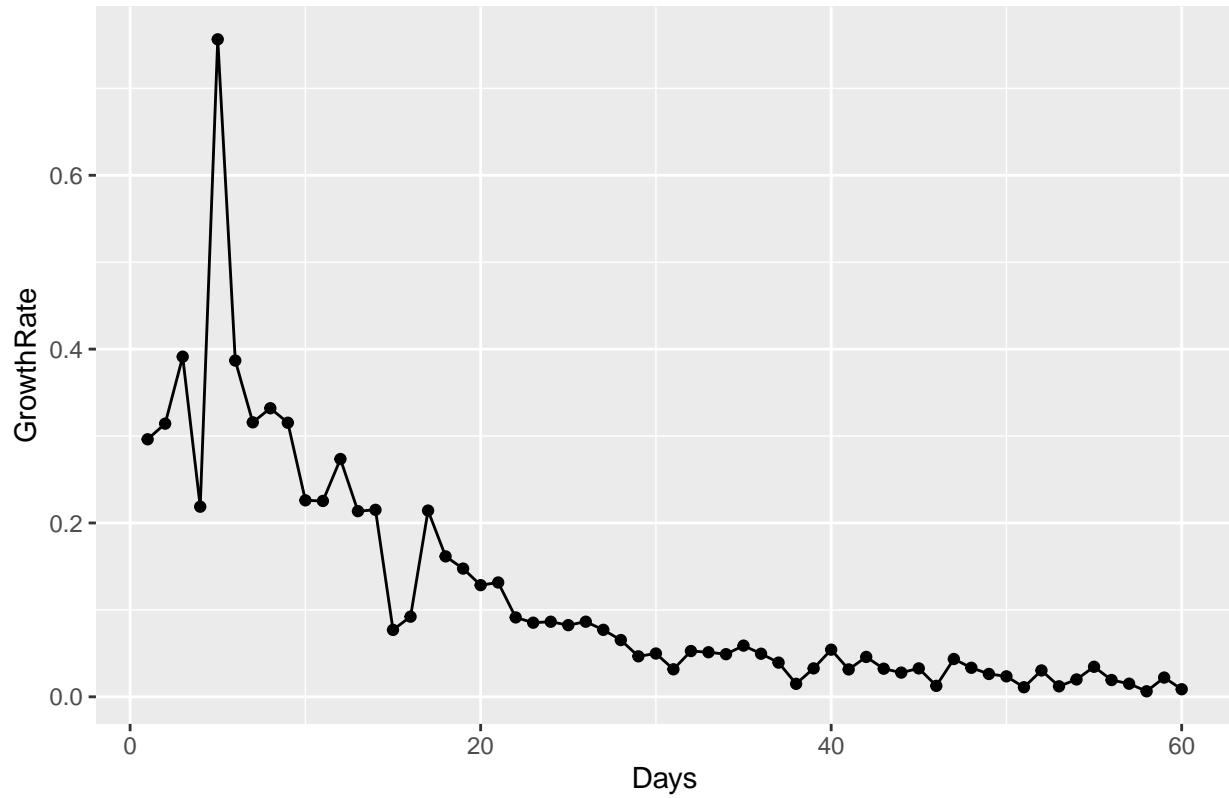
US: Daily Cases



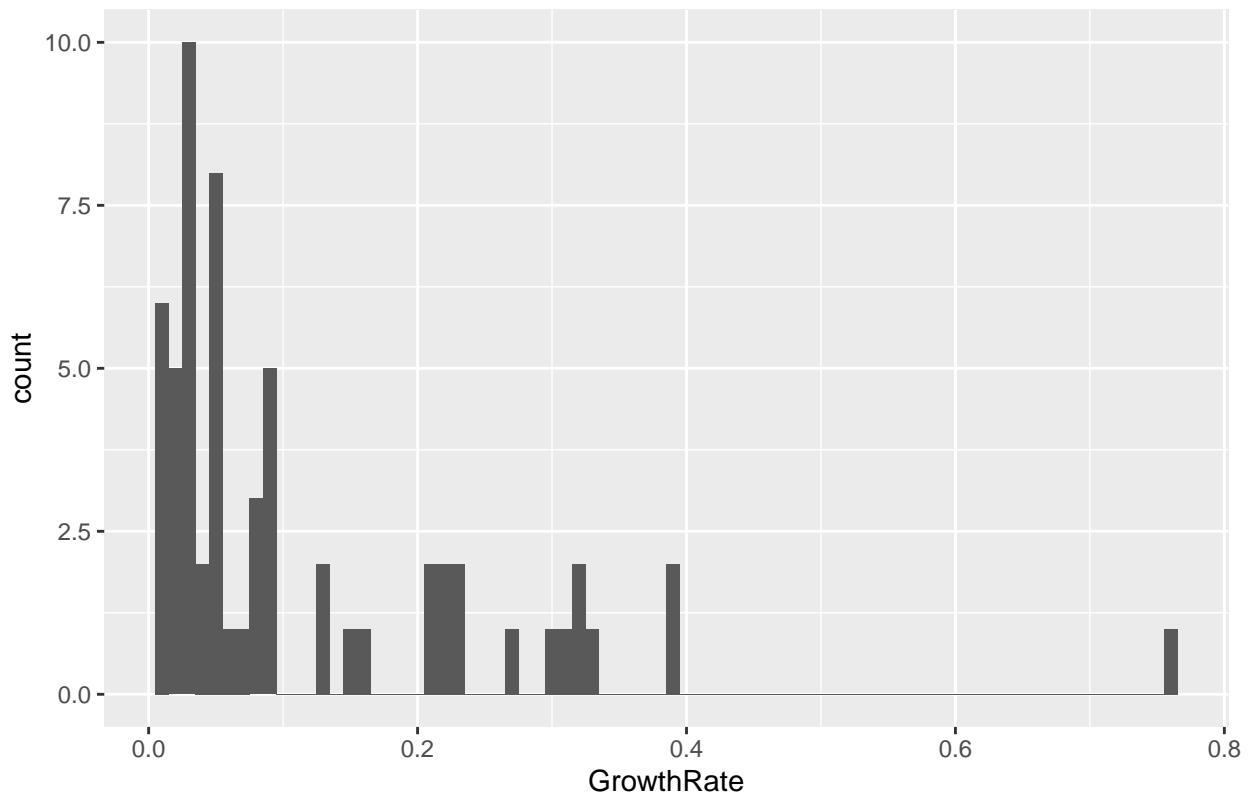
US: Rate of change in Growth Rate



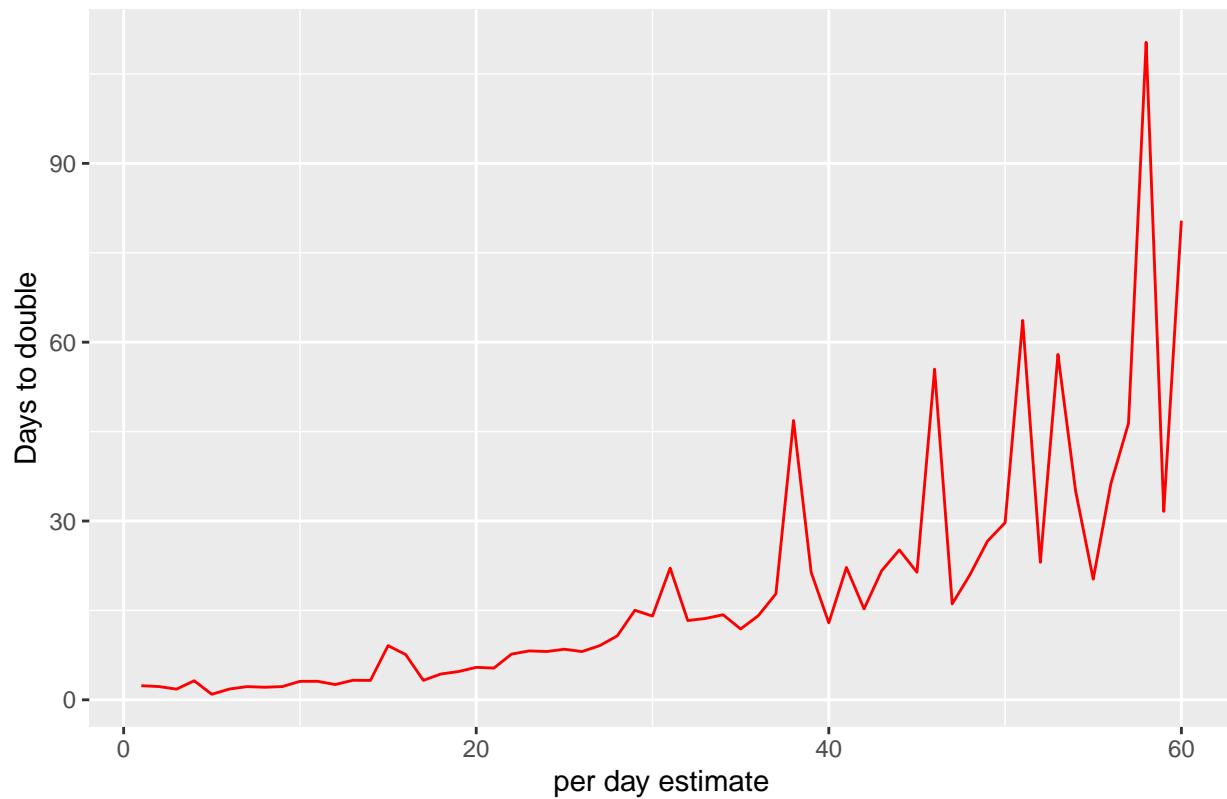
US: Growth Rate



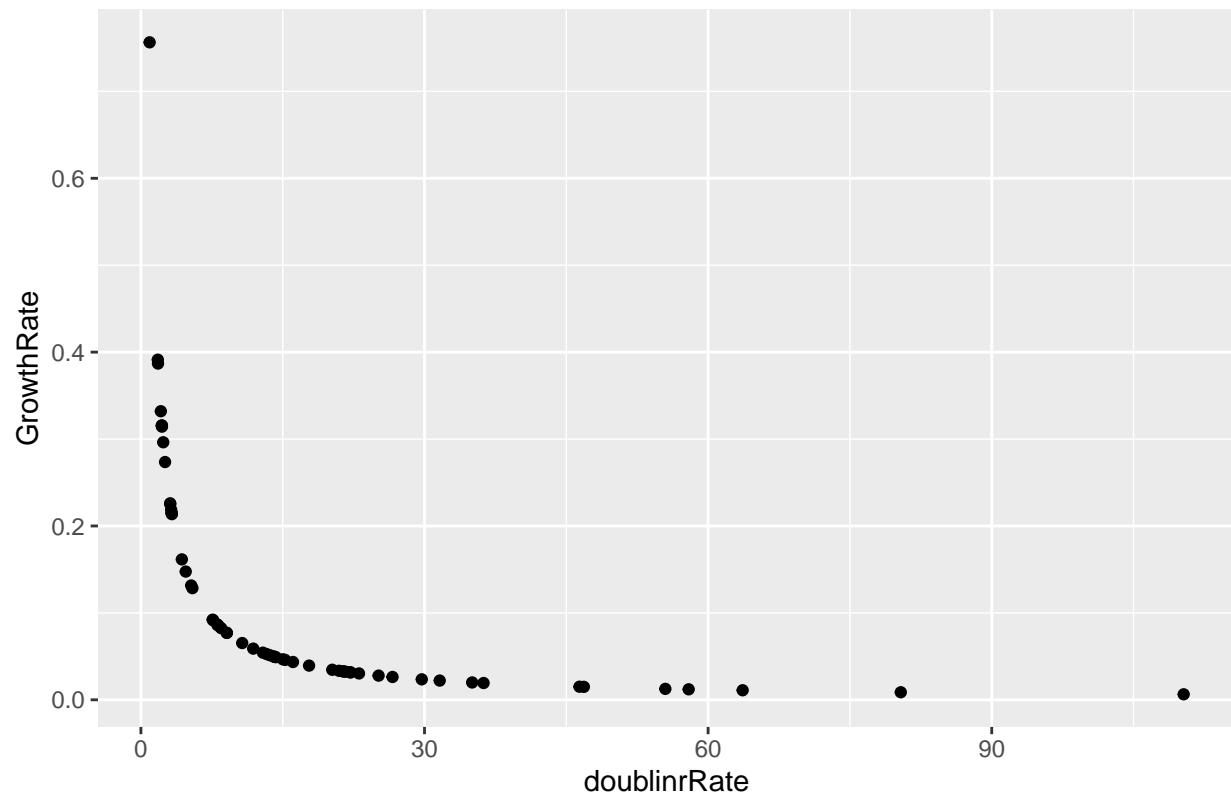
Histogram of GrowthRate



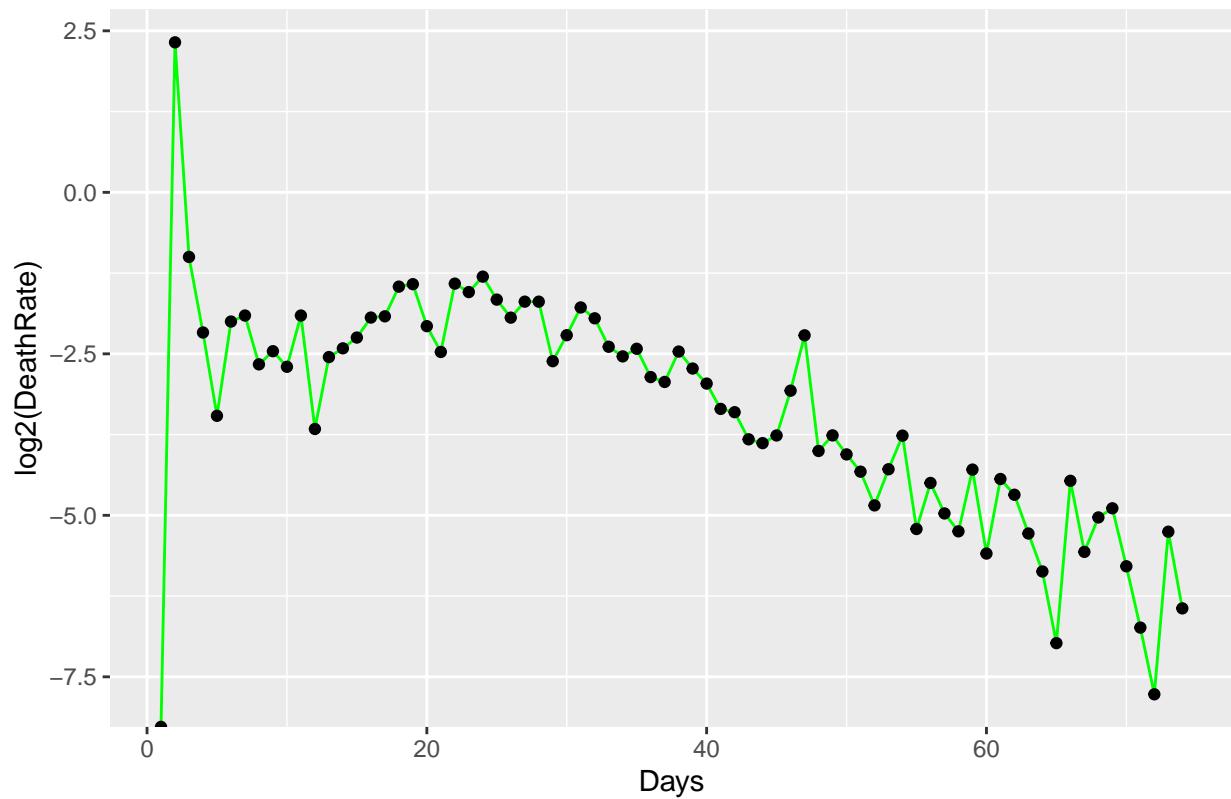
Doubling Rate in days



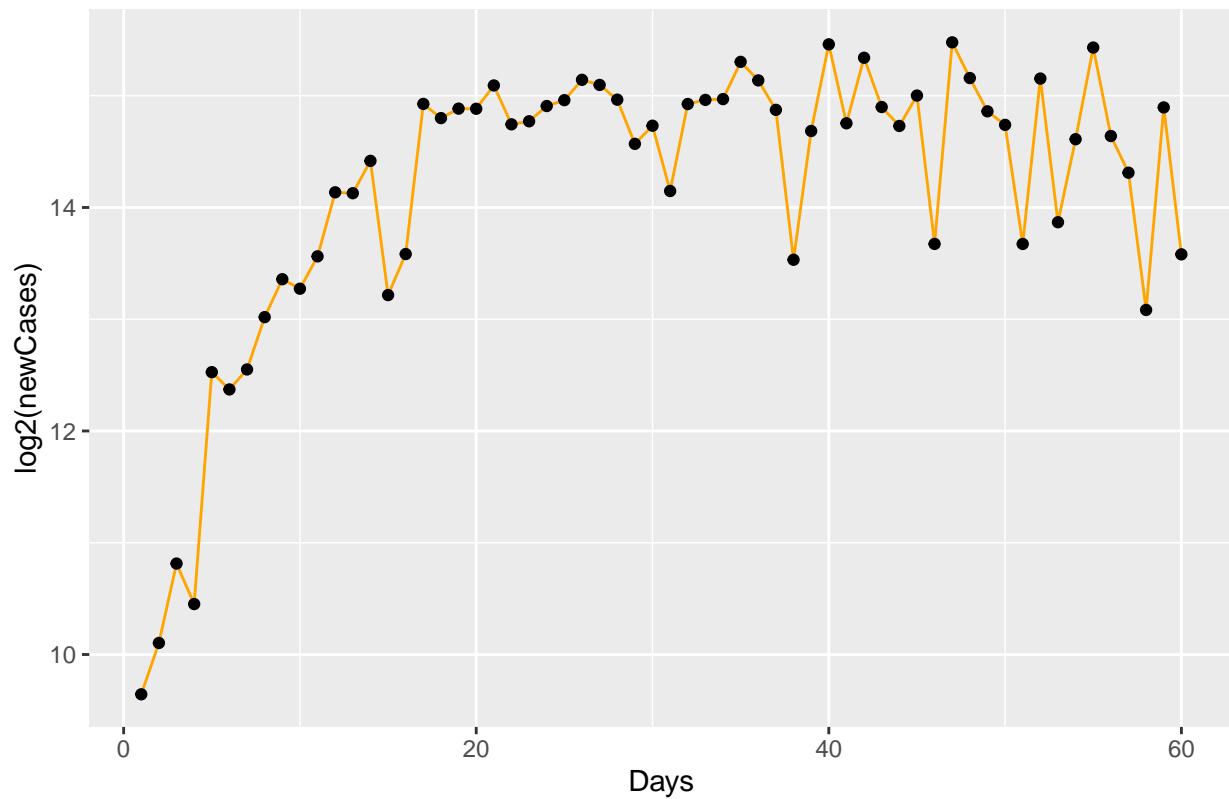
Doubling Rate vs Growth Rate



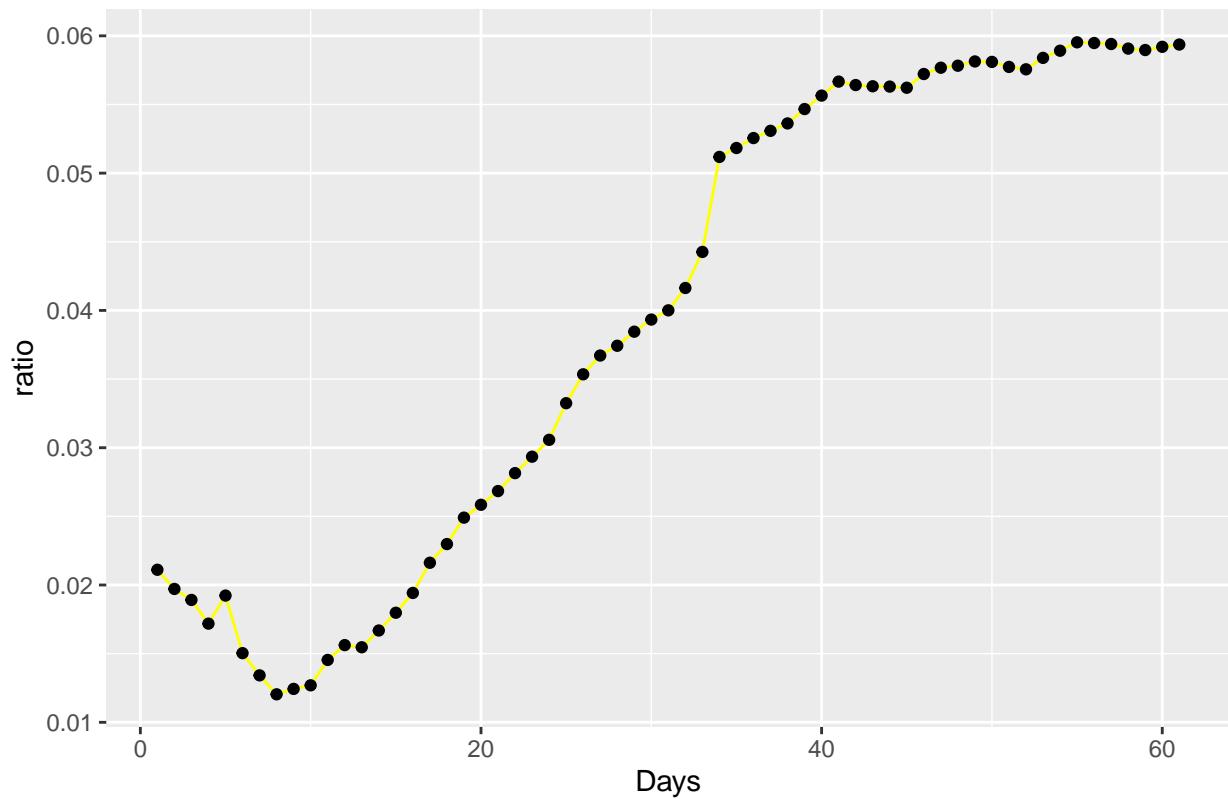
US: Daily Death Rate



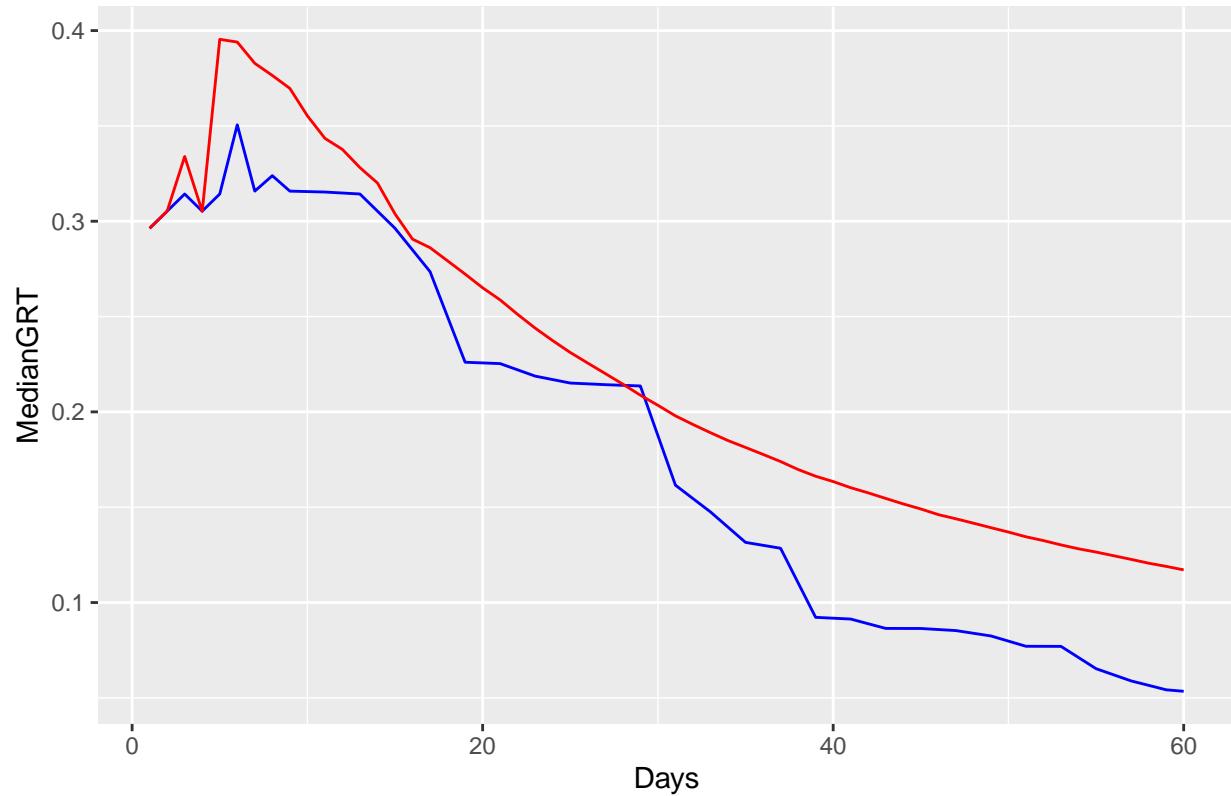
US:newCases(Orange)



US: TotalDeaths/TotalCases



US Median(BLUE)VsMean(RED) Growth Rate

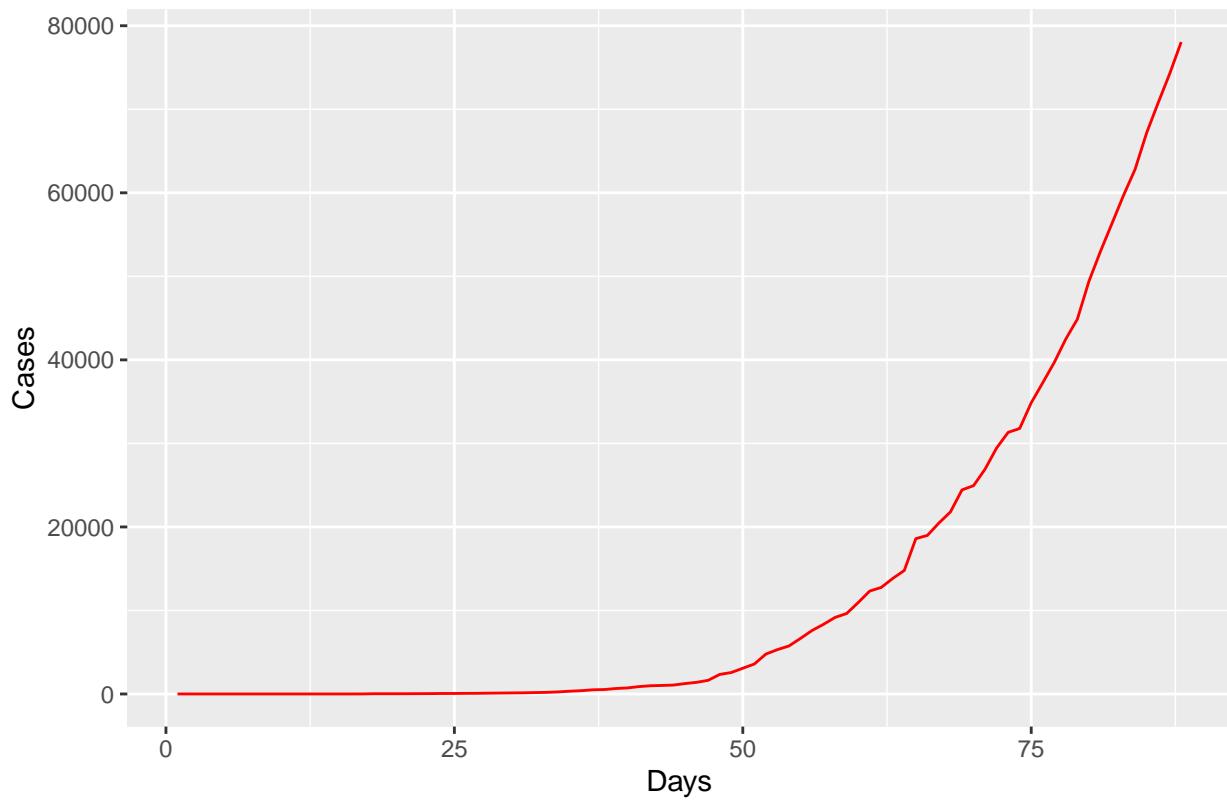


Results:

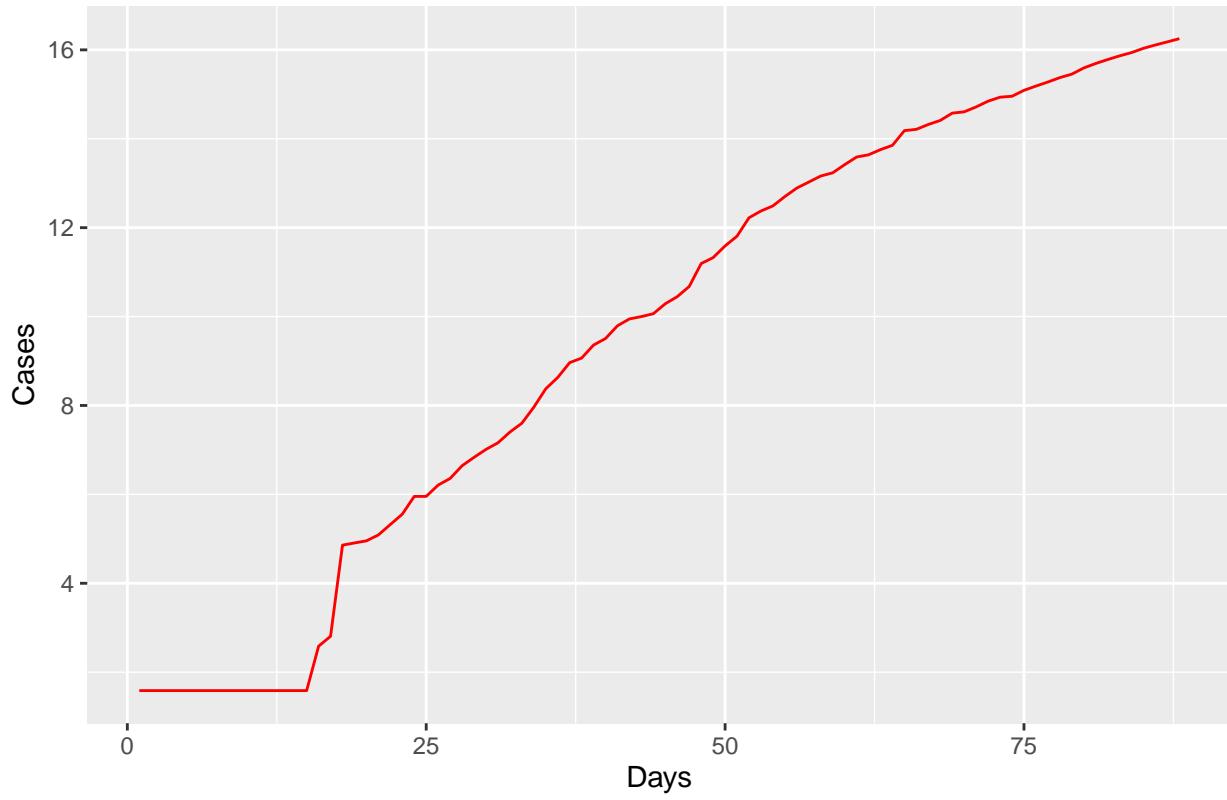
- Tomorrows predicted case number is between 1.4314057×10^6 and 1.5852544×10^6 cases.
- Current doubling rate is **80 days**
- Mean doubling rate, i.e number of cases doubles every **6 days**.
- Median doubling rate, i.e number of cases doubles every **13 days**.
- Latest Observed Growth Rate **0.8708435** percent.
- Mean Growth Rate: **11.7125258** percent.
- Median Growth Rate: **5.343661** percent.
- Standard deviation: +/- **13.6130469**.

India Corona Dashboard

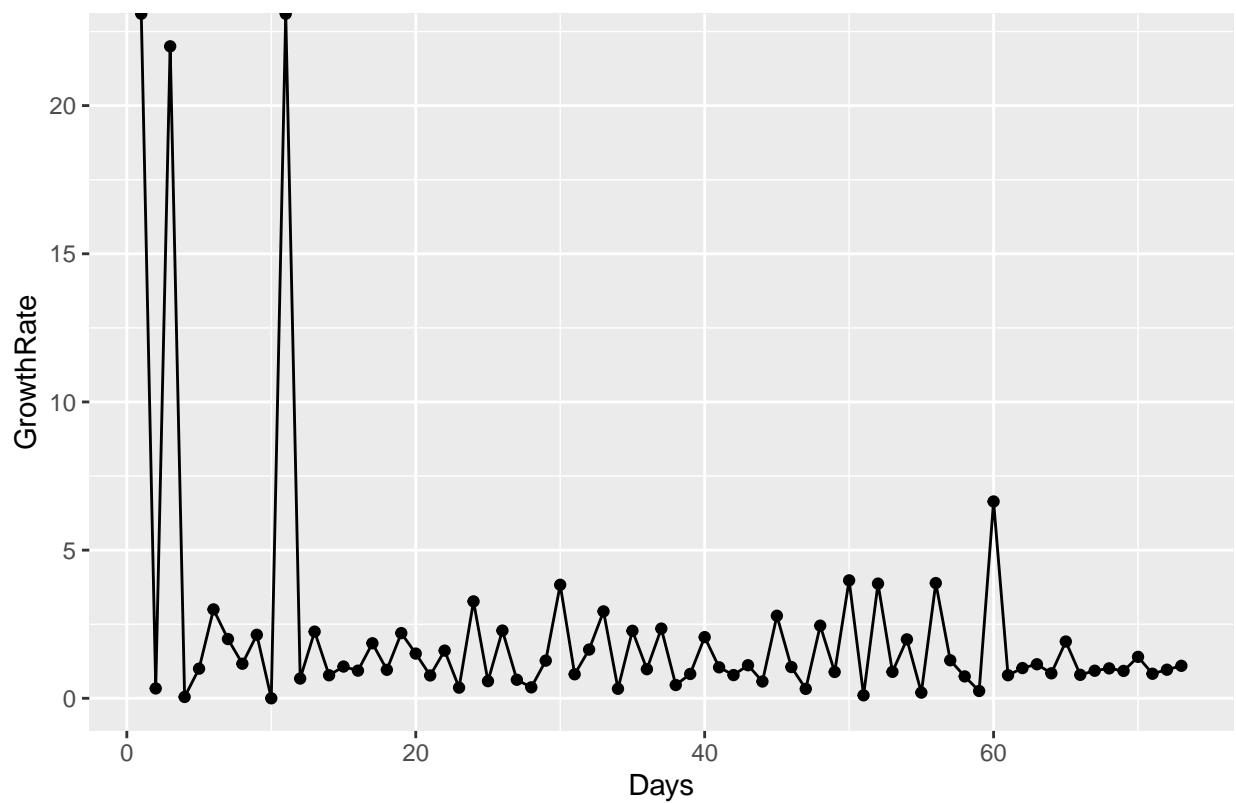
India: Daily Cases



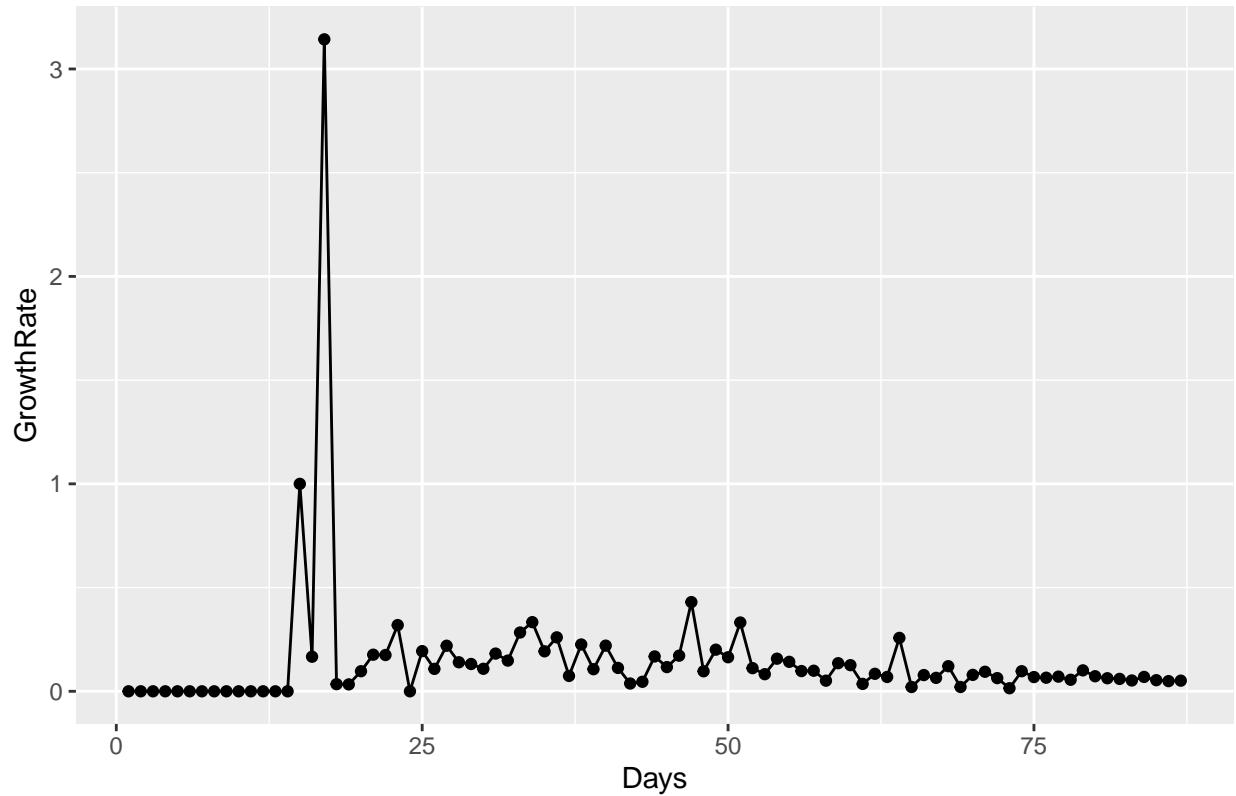
India: Daily Cases



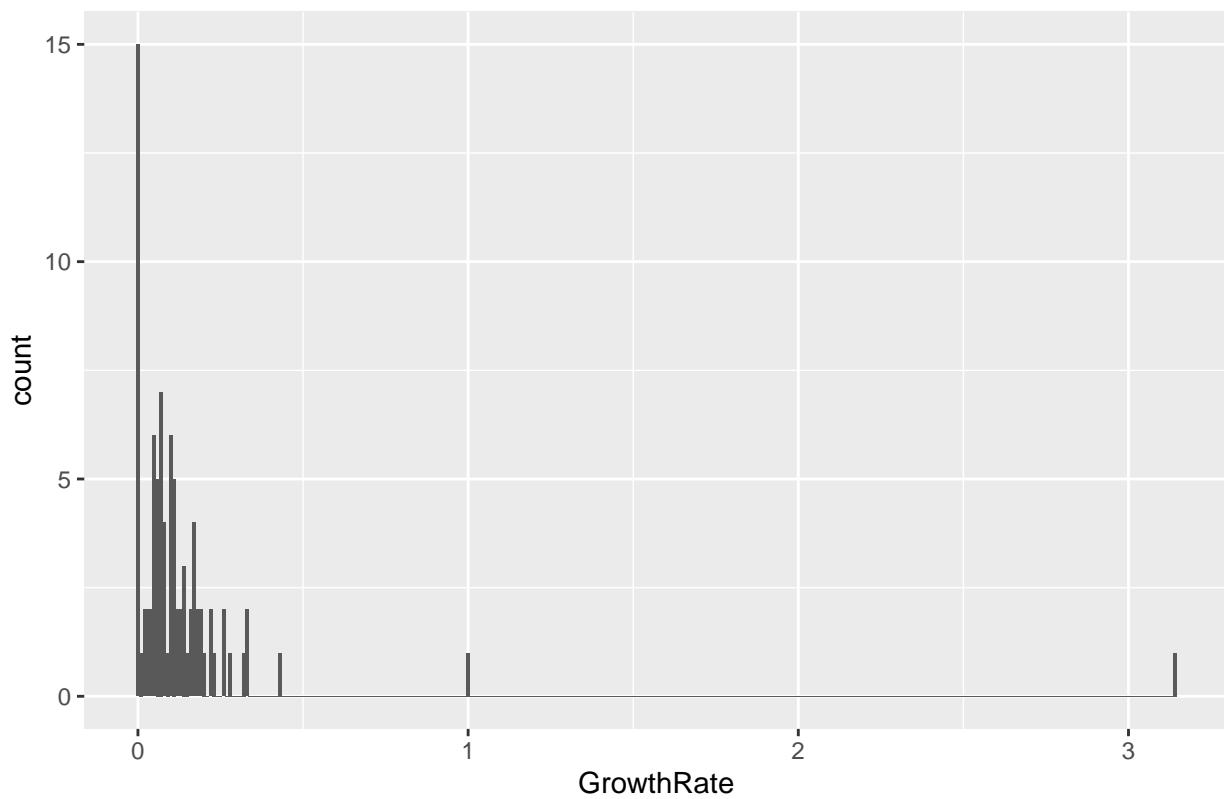
US: Rate of change in Growth Rate



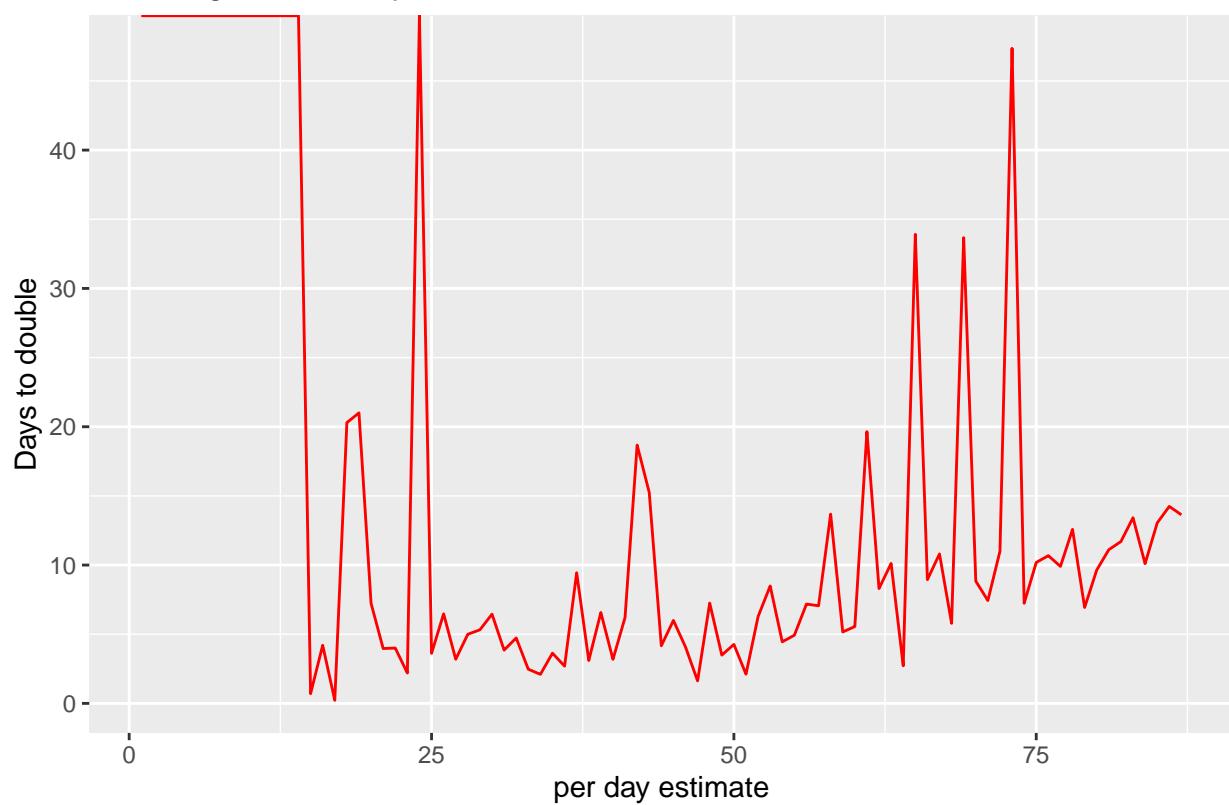
India: Growth Rate



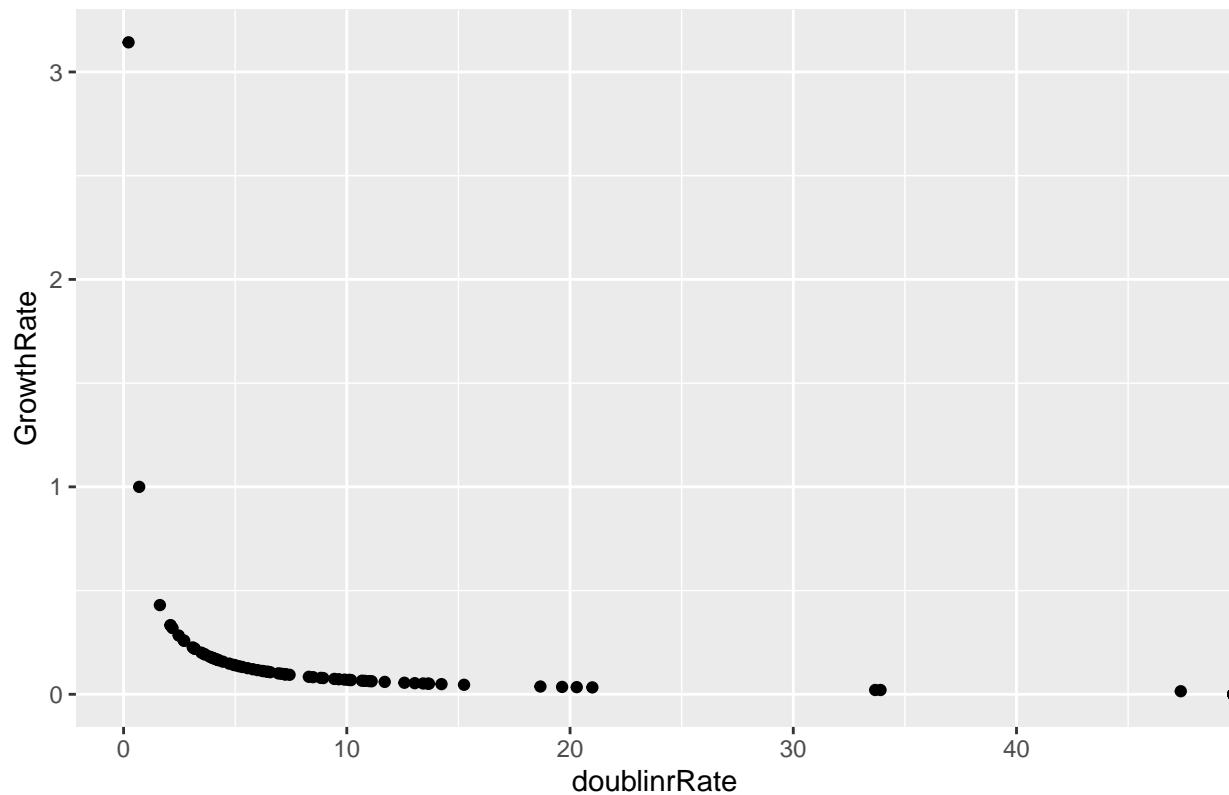
Histogram of GrowthRate



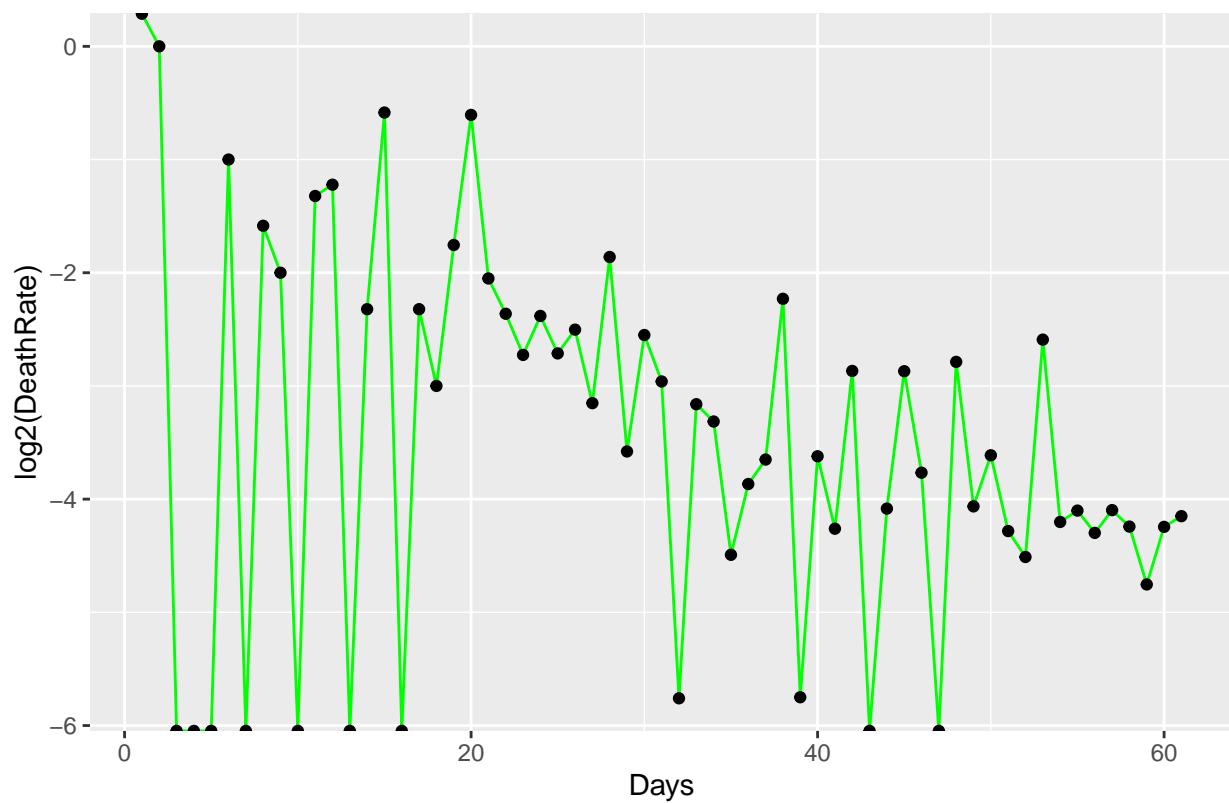
Doubling Rate in days



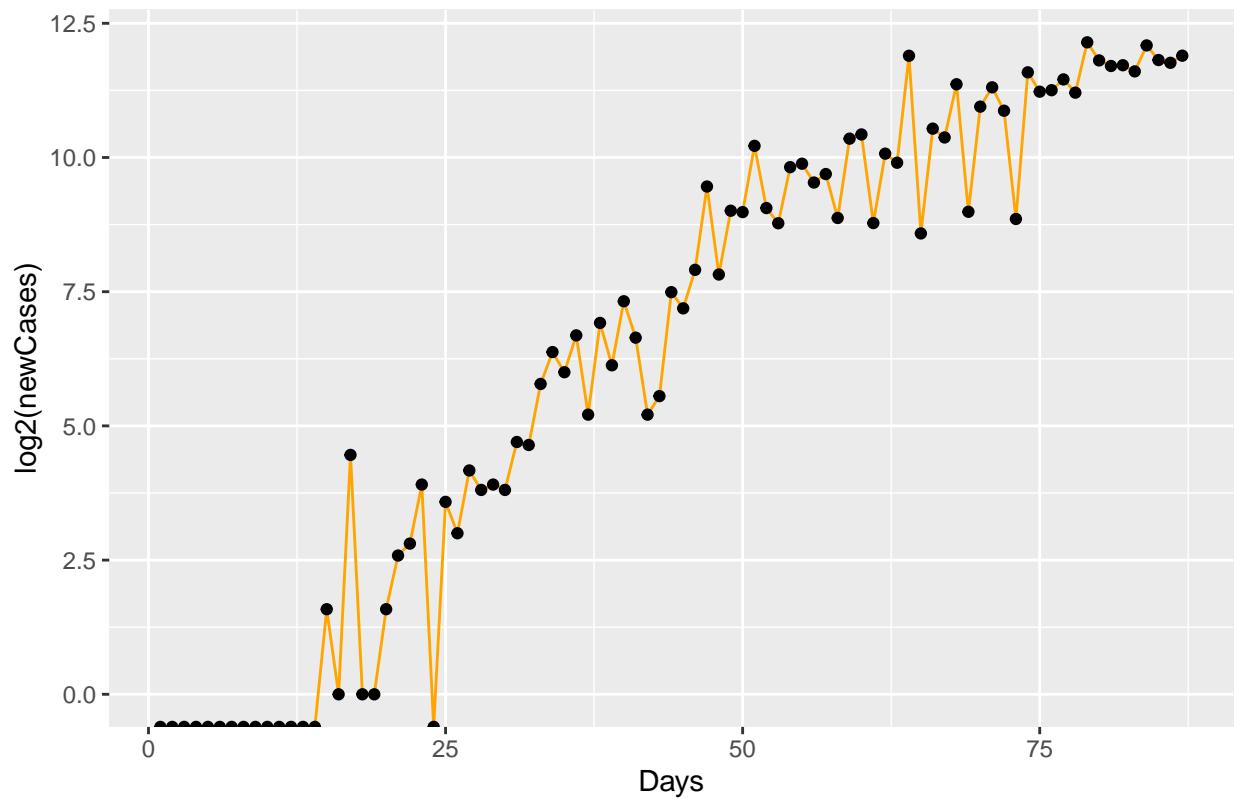
Doubling Rate vs Growth Rate



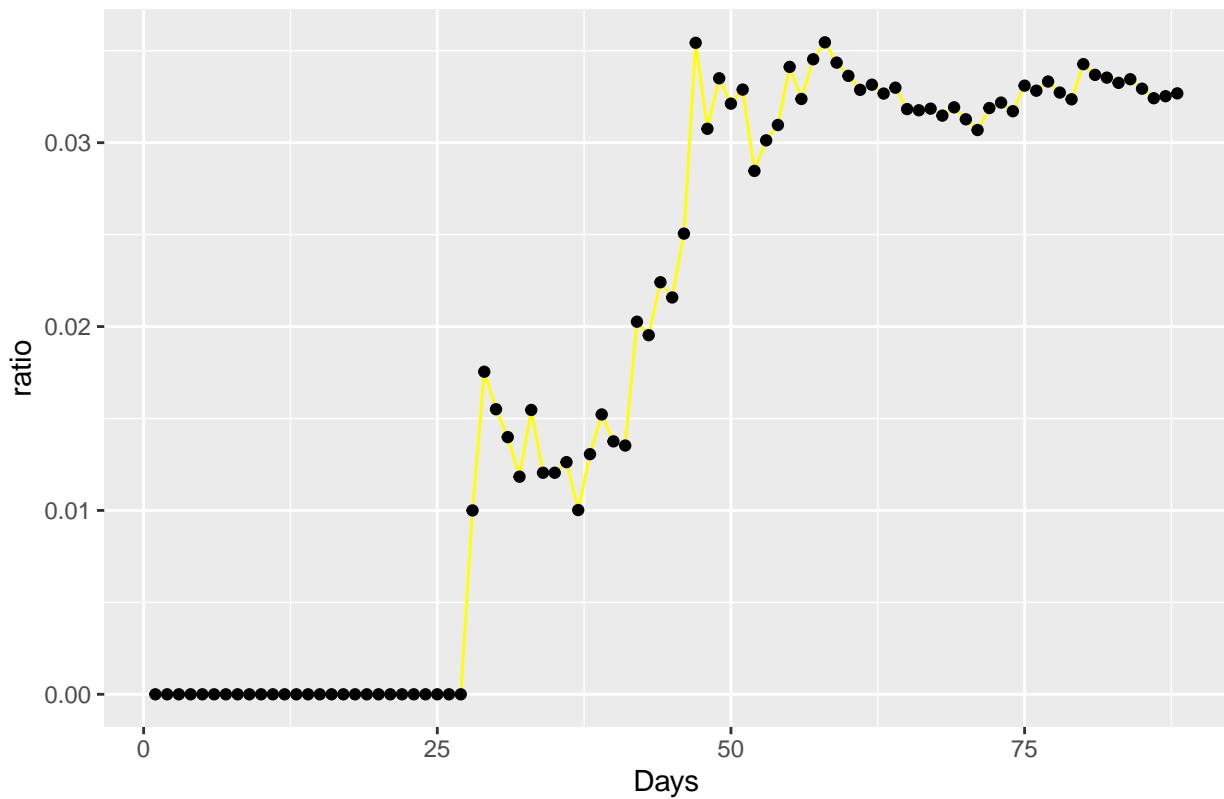
India: Daily Death Rate



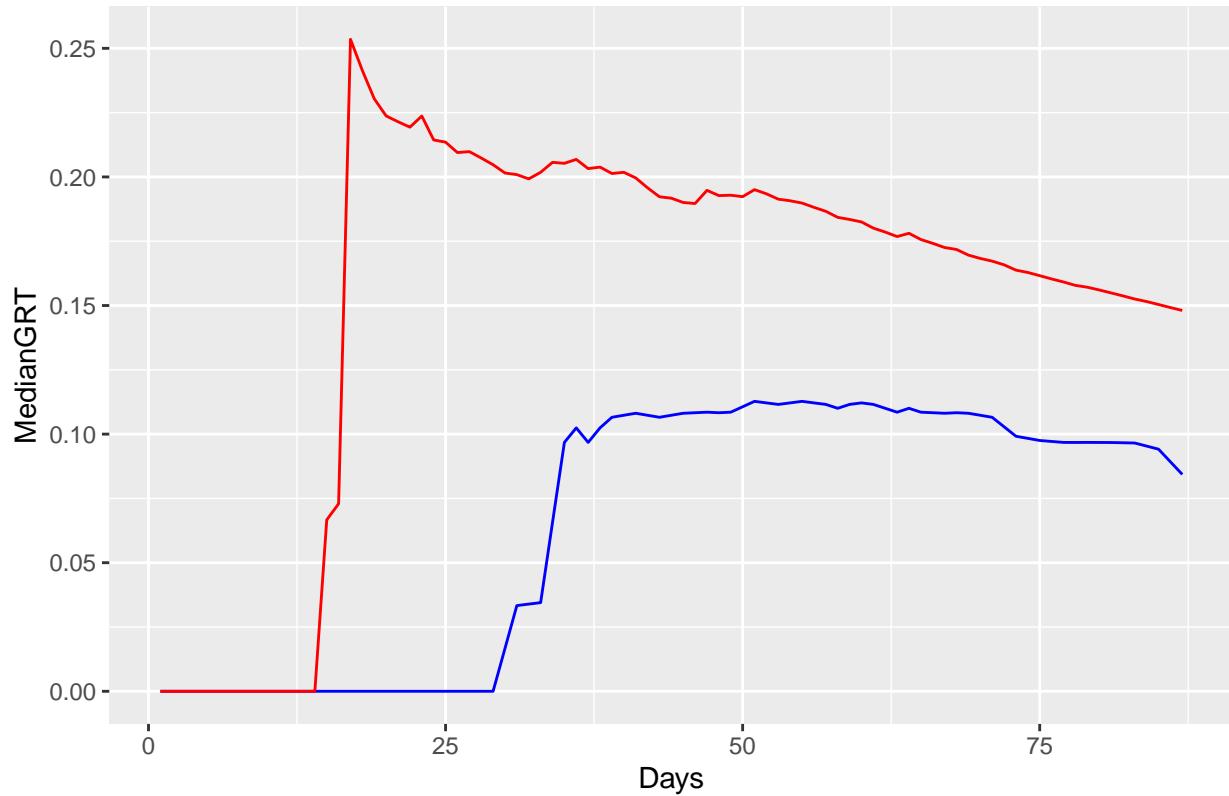
India:newCases(Orange)



India: TotalDeaths/TotalCases



India Median(BLUE)VsMean(RED) Growth Rate



Results:

- Tomorrows predicted case number is between 8.2062727×10^4 and 8.961398×10^4 cases.
- Current doubling rate is **14 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 **5.1344908** percent.
- Mean Growth Rate: **14.8087627** percent.
- Median Growth Rate: **8.4332628** percent.
- Standard deviation: +/- **35.0336889**.