

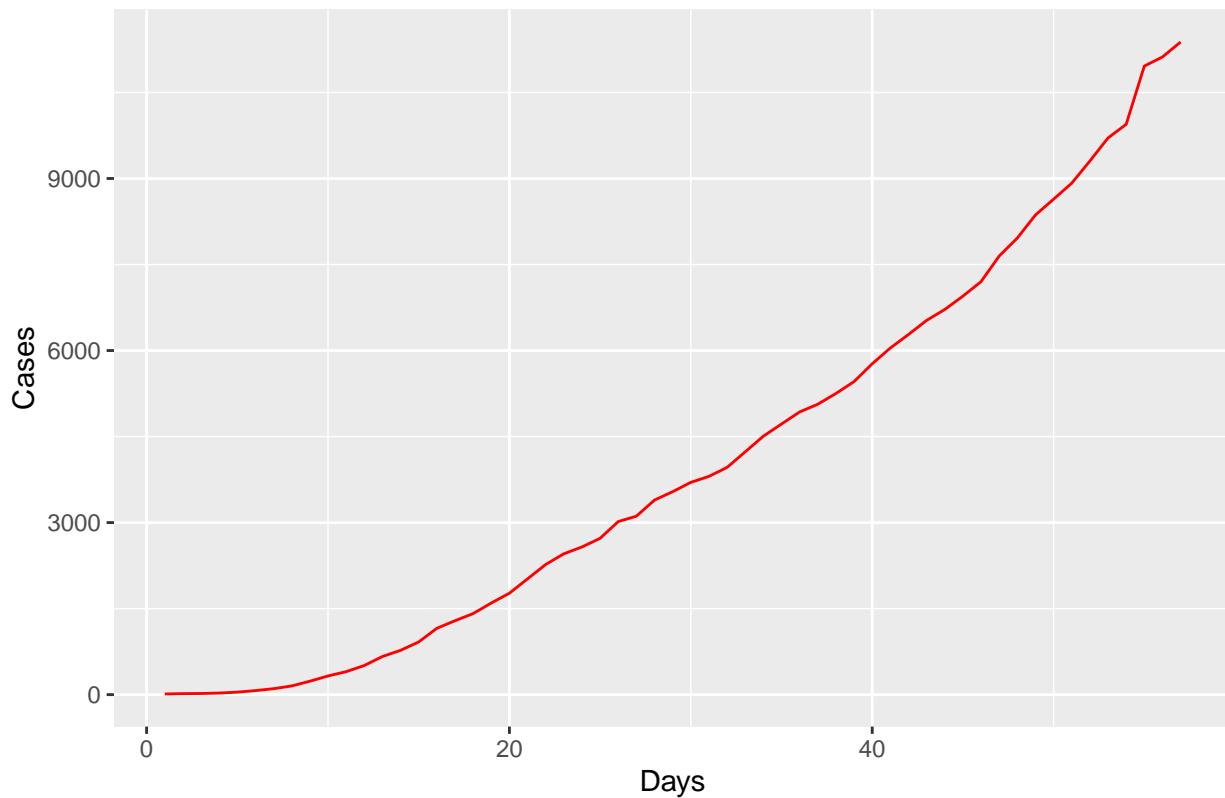
Arizona/US/India Corona Trends- 11th May 2020 with tomorrow's prediction

Whitchurch Muthumani

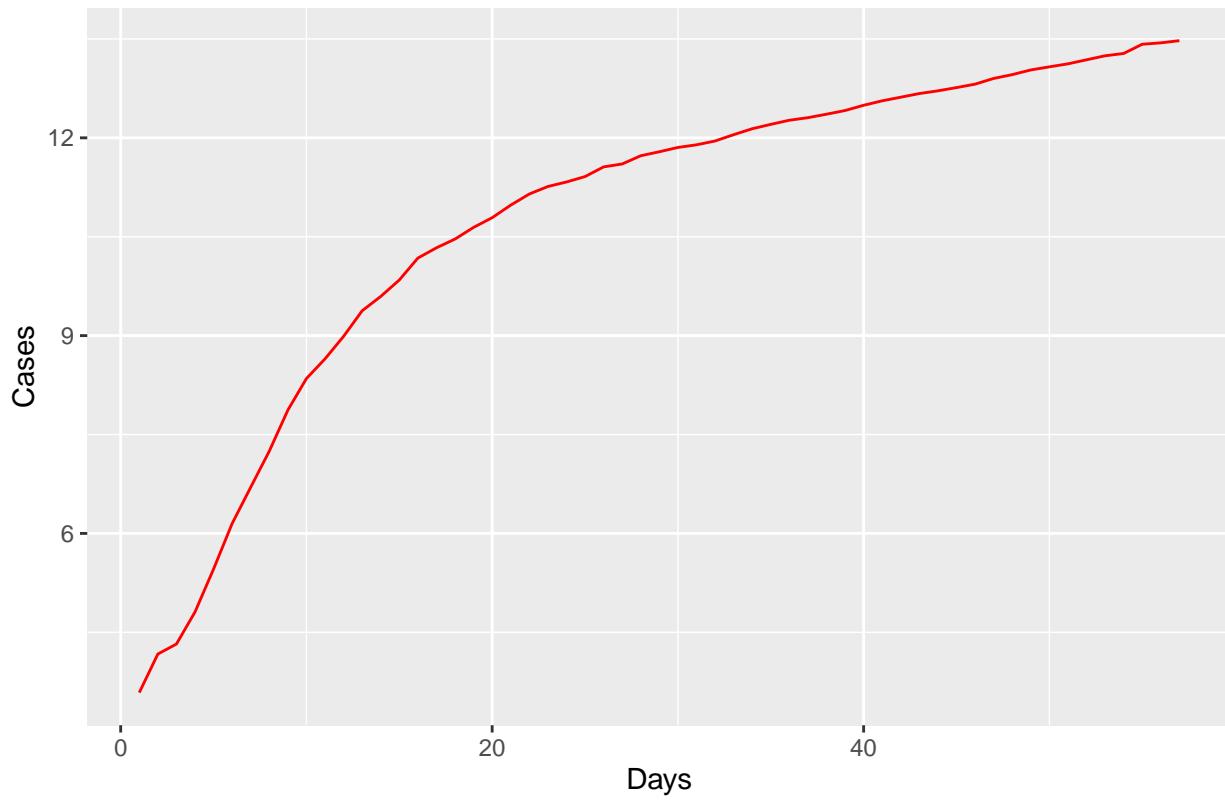
5/11/2020

Arizona Corona Dashboard

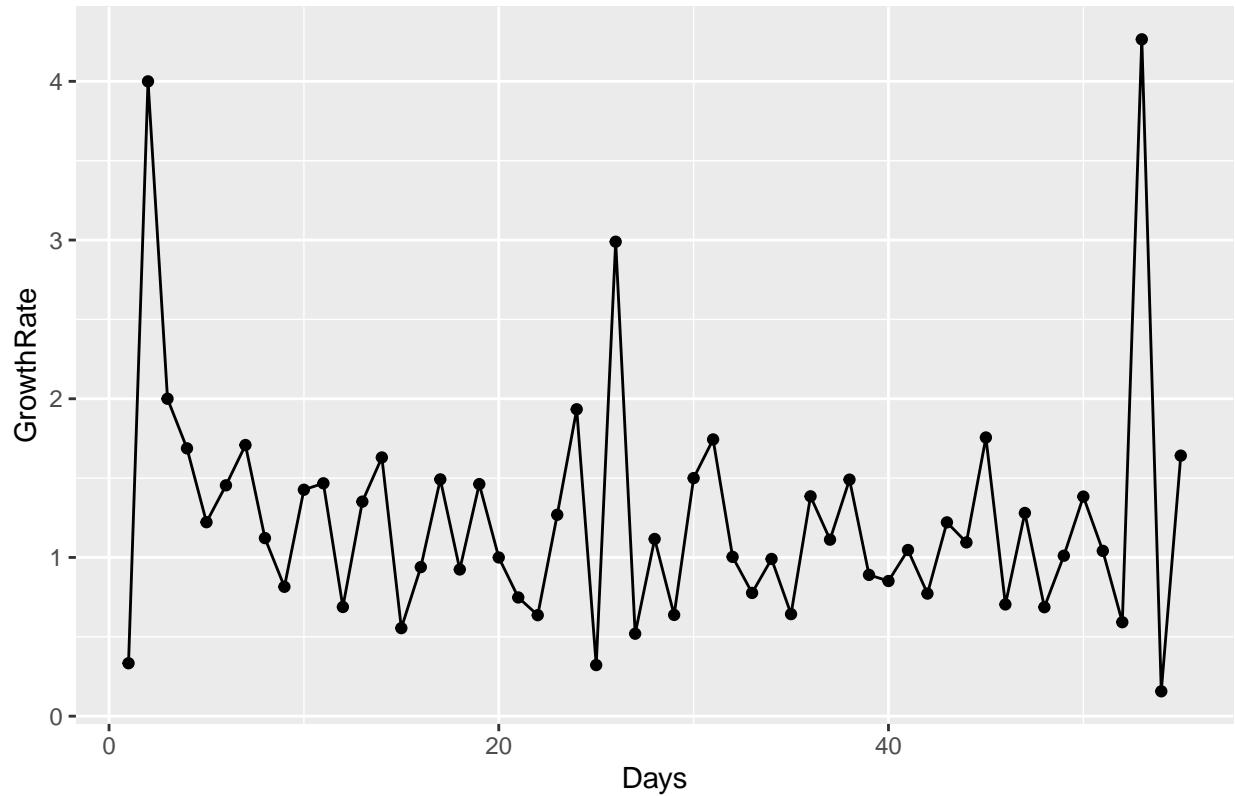
Arizona: Daily Cases



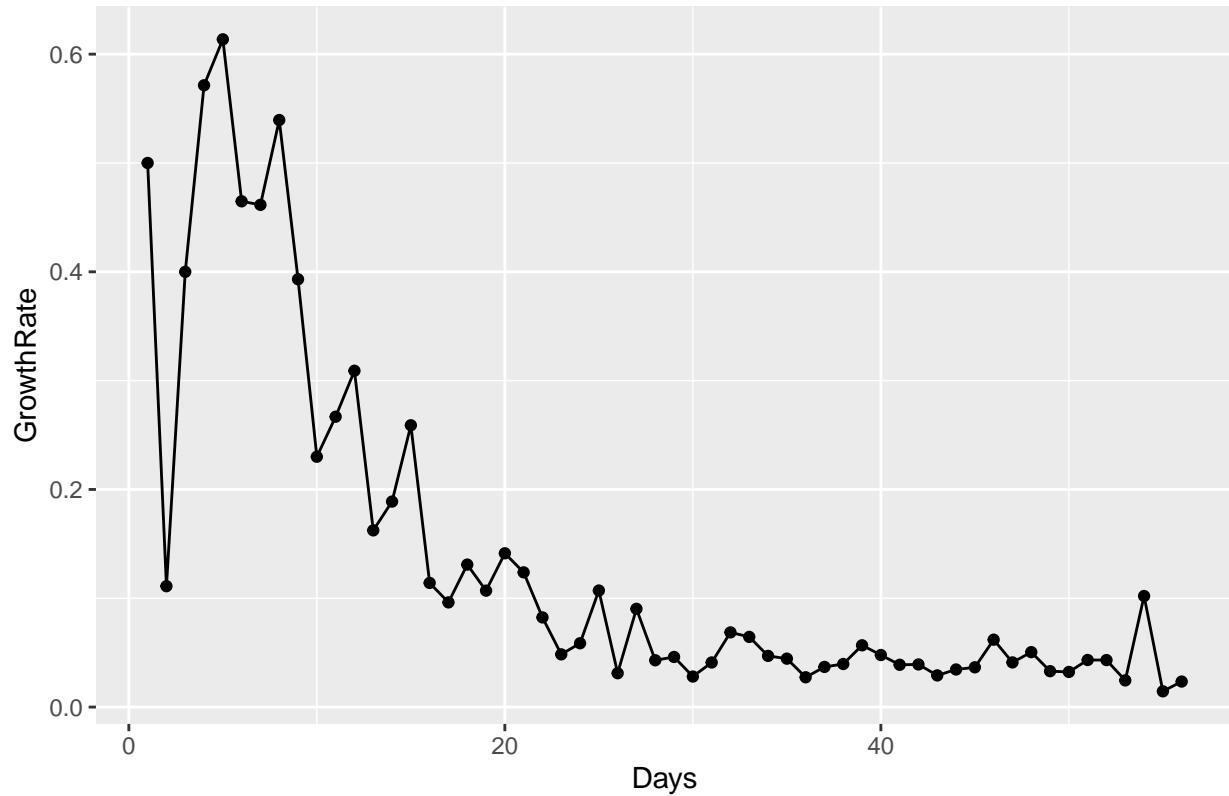
Arizona: Daily Cases



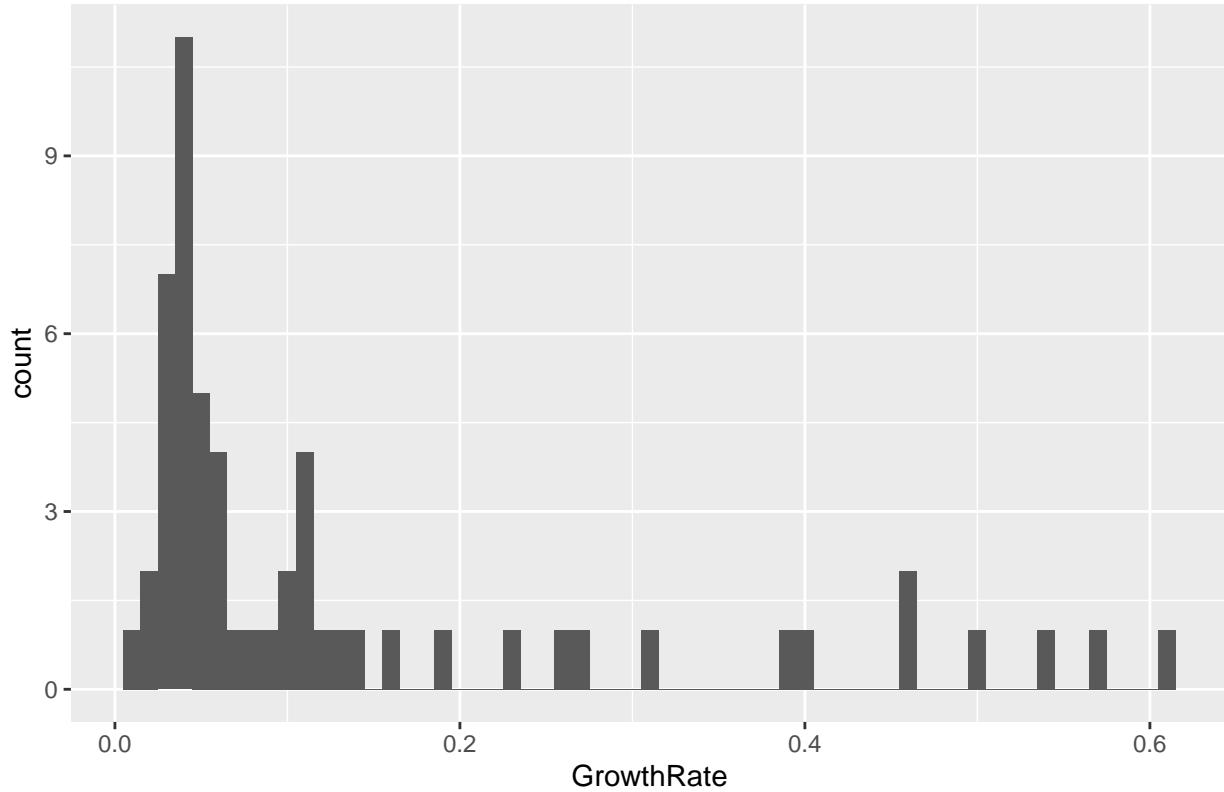
Arizona: Rate of change in Growth Rate



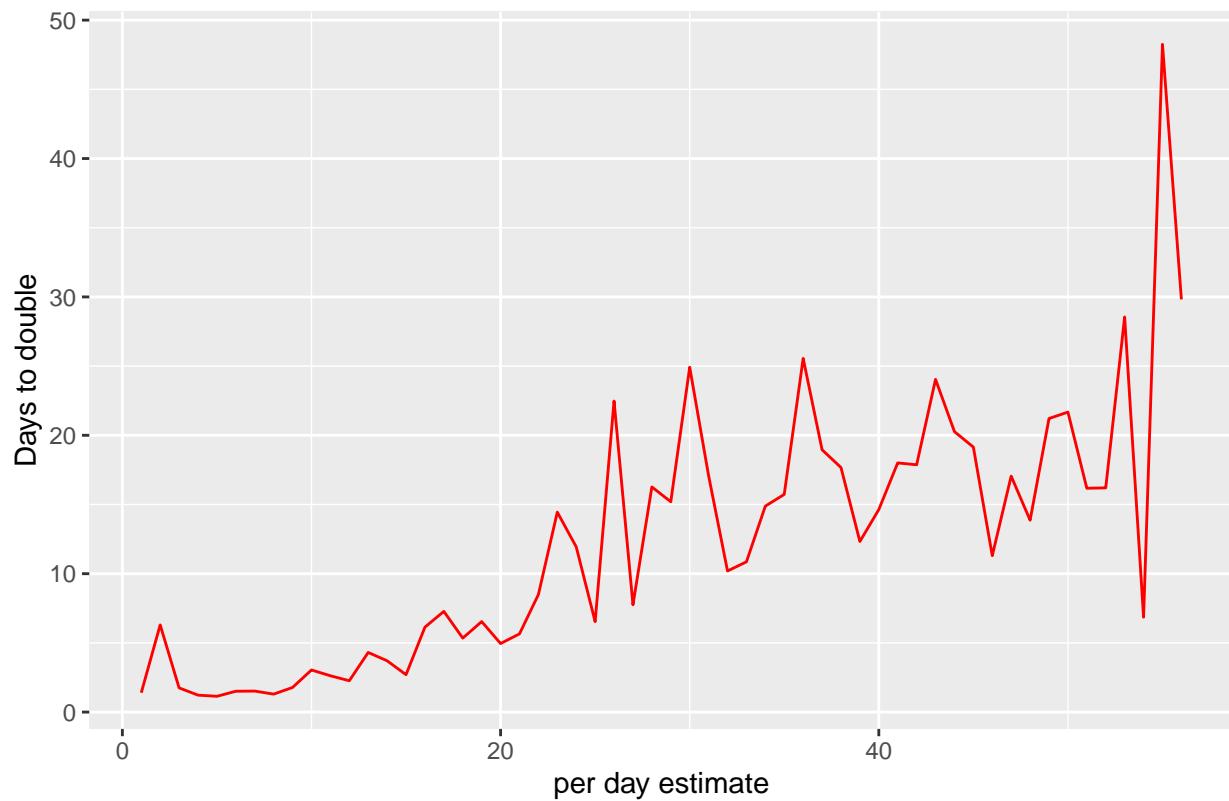
Arizona: Growth Rate



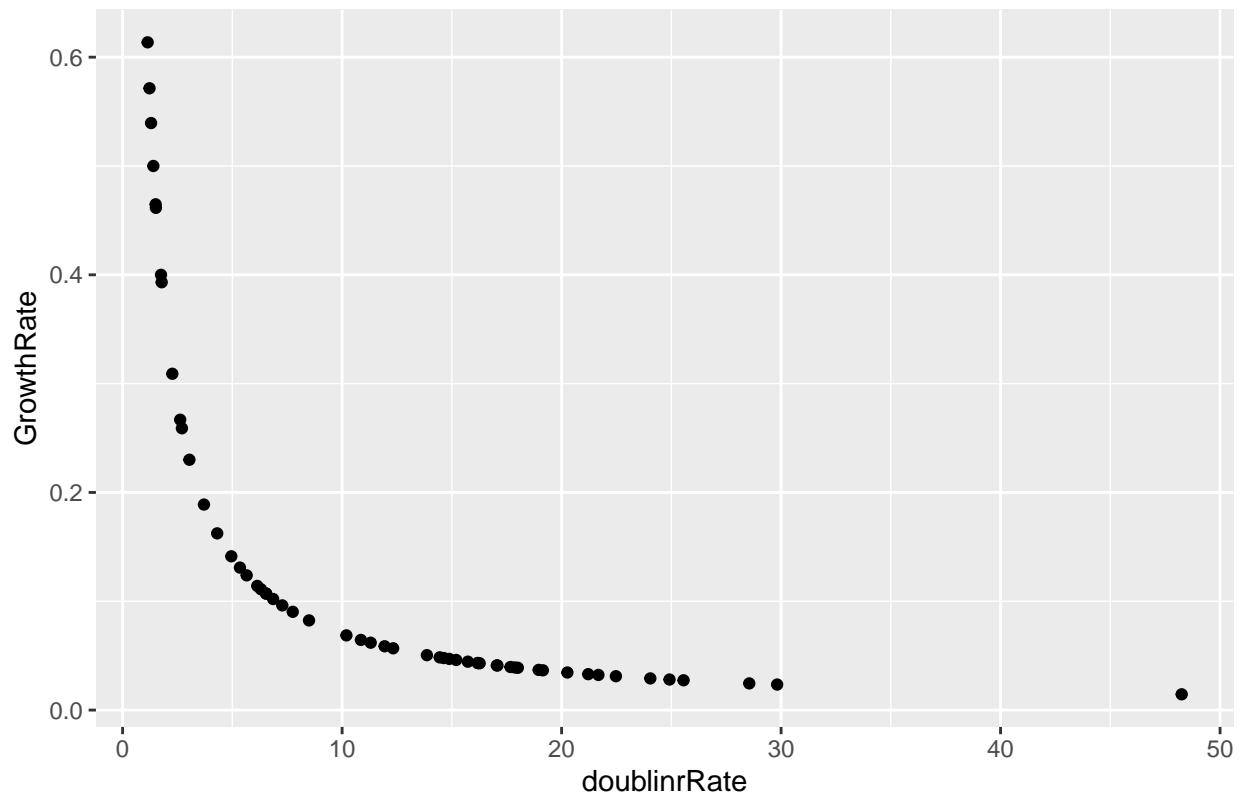
Histogram of GrowthRate



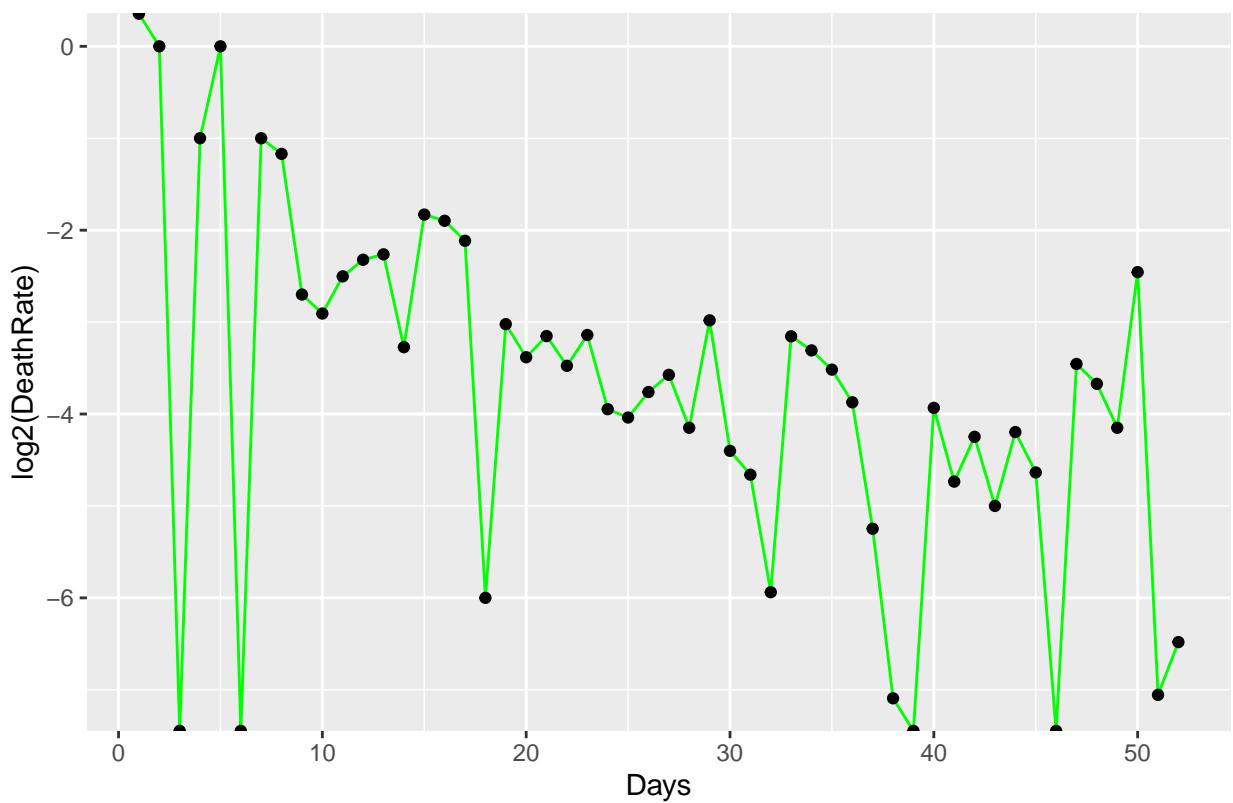
Doubling Rate in days



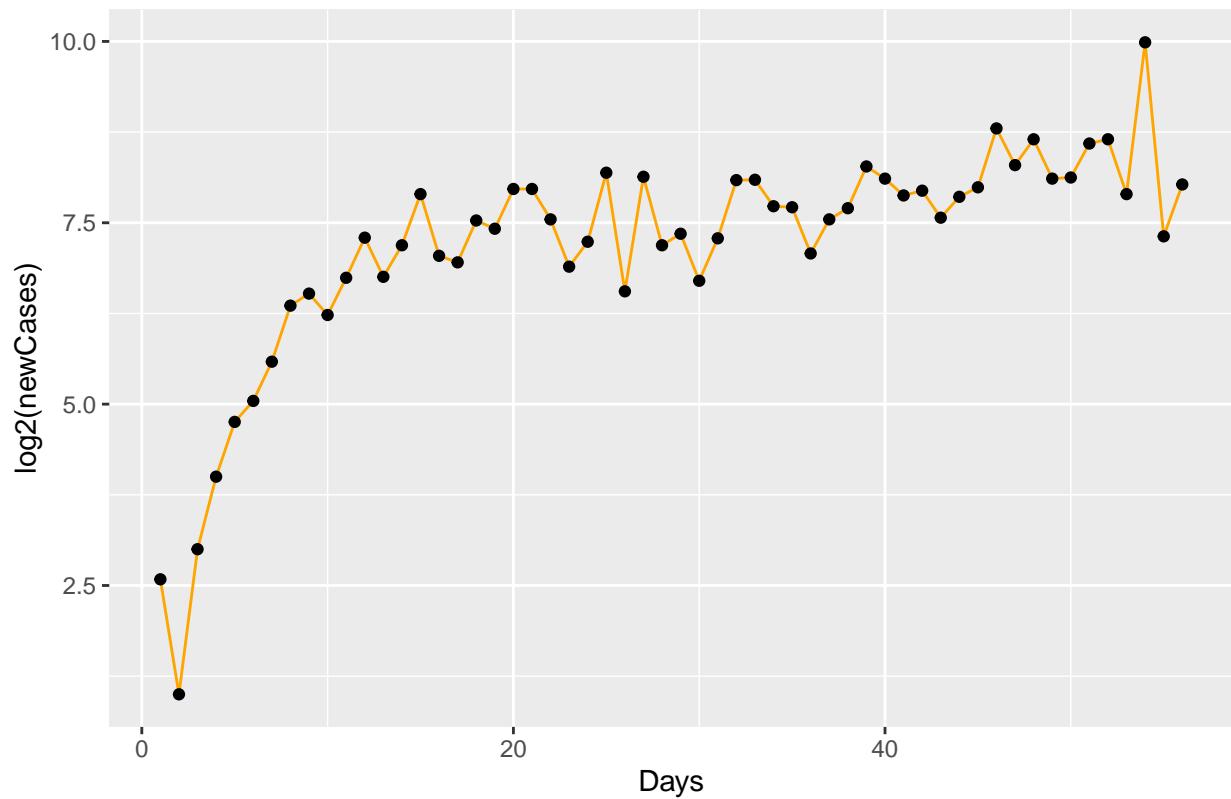
Doubling Rate vs Growth Rate



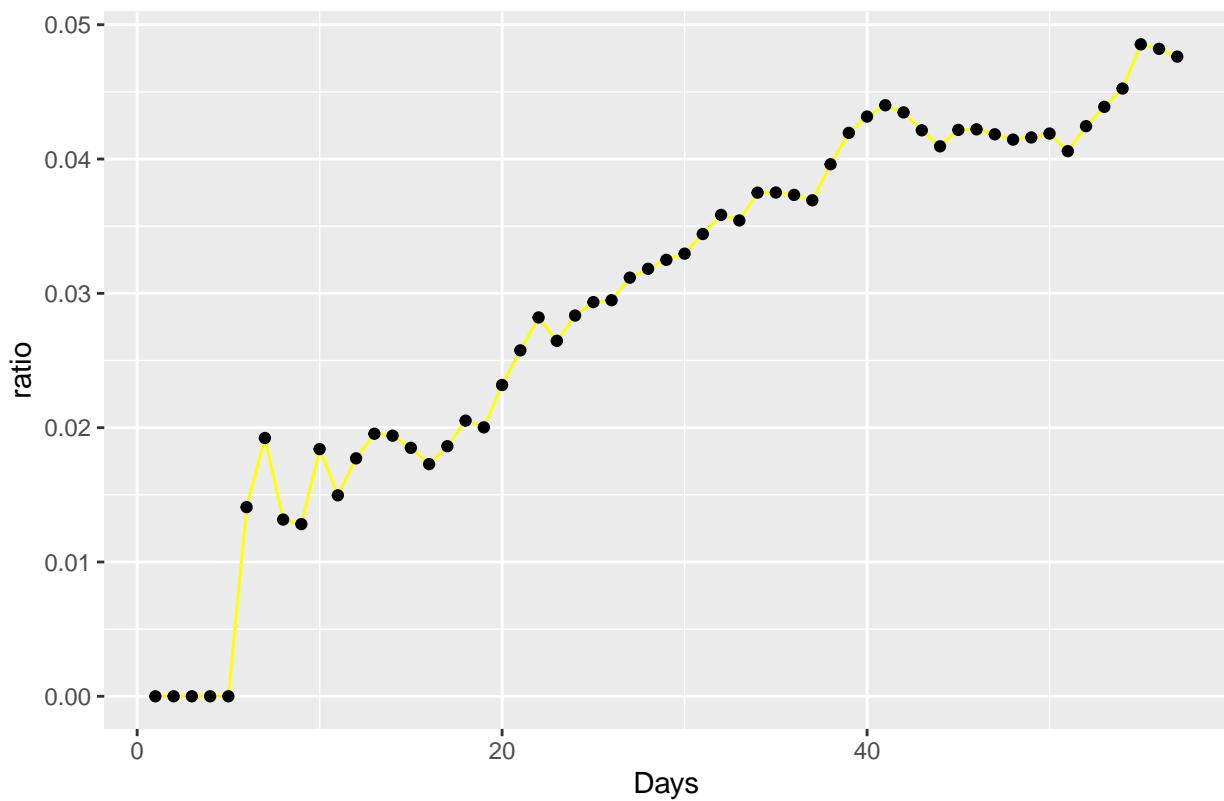
Arizona: Daily Death Rate



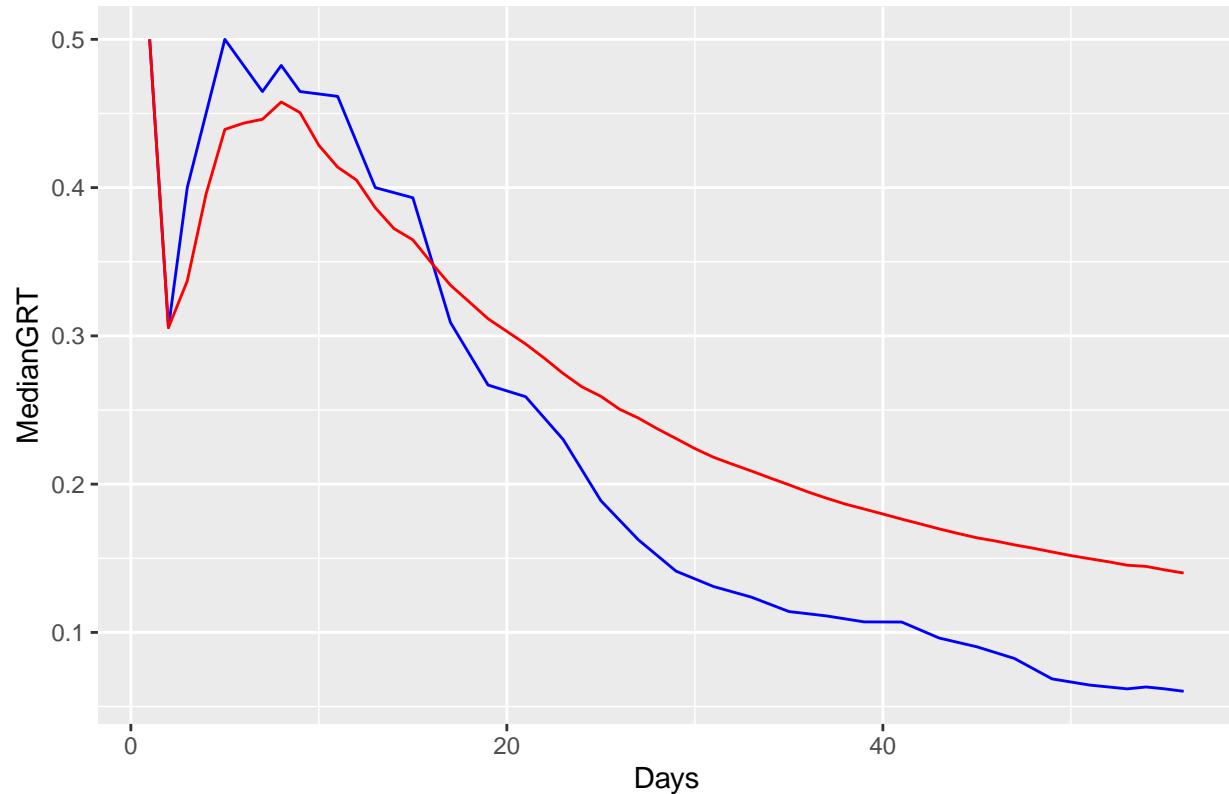
Arizona:newCases(Orange)



Arizona: TotalDeaths/TotalCases



Arizona Median(BLUE)VsMean(RED) Growth Rate

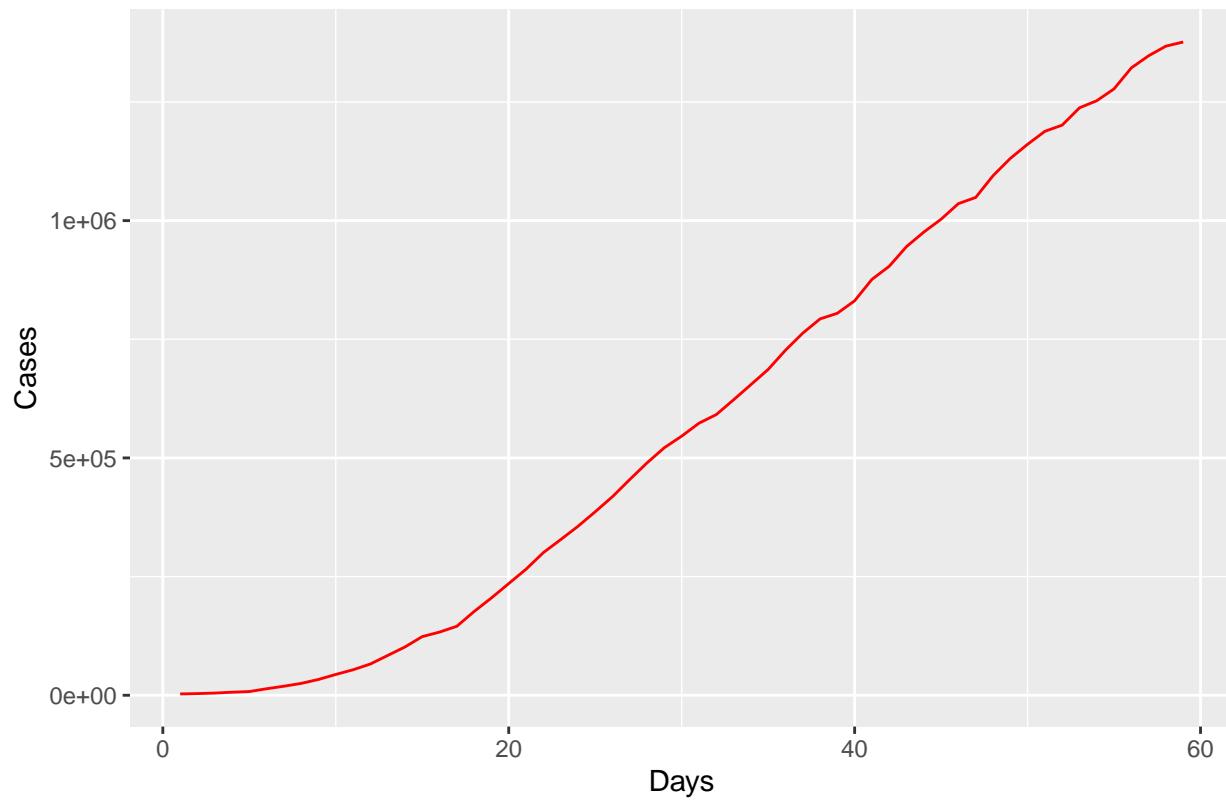


Results:

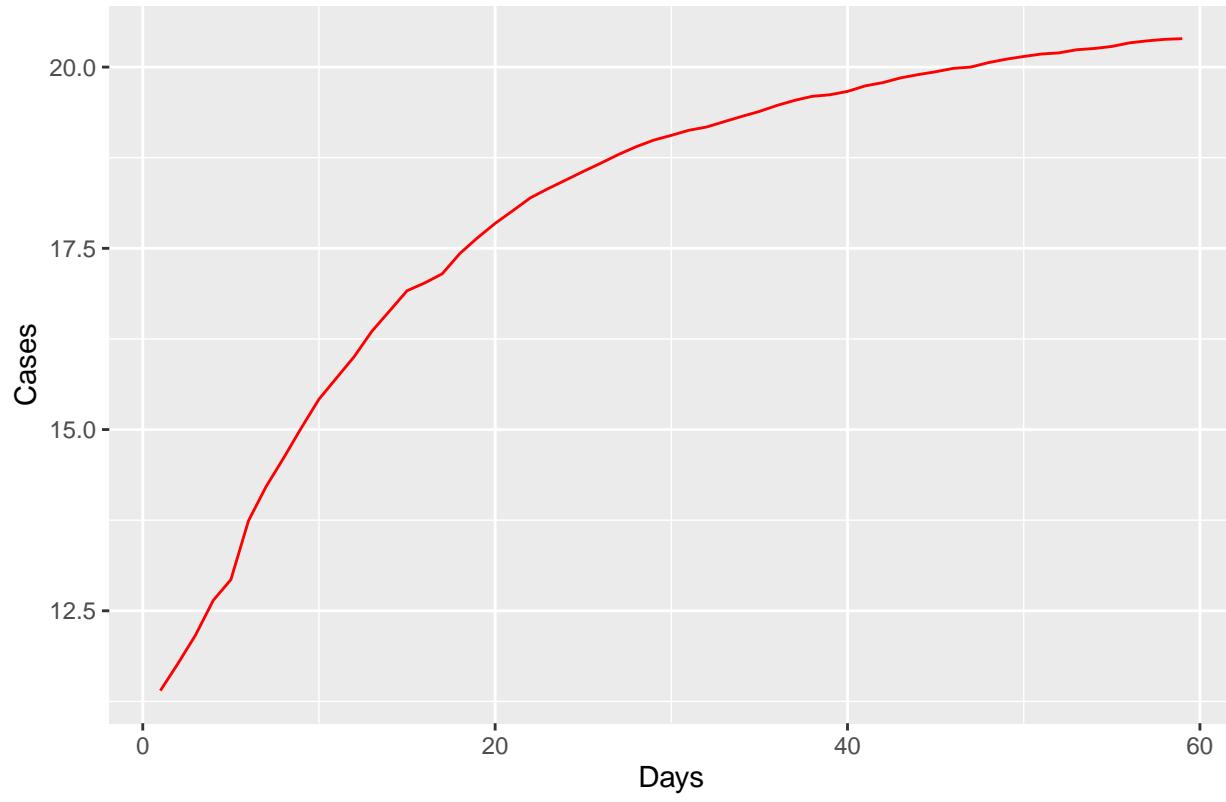
- Tomorrows predicted case number is between 1.1647127×10^4 and 1.2973656×10^4 cases.
- Current doubling rate is **30 days**
- Mean doubling rate, i.e number of cases doubles every **5 days**.
- Median doubling rate, i.e number of cases doubles every **12 days**.
- Latest Observed Growth Rate **2.3473334** percent.
- Mean Growth Rate: **14.0040101** percent.
- Median Growth Rate: **6.028401** percent.
- Standard deviation: +/- **16.1290377**.

US Corona Dashboard

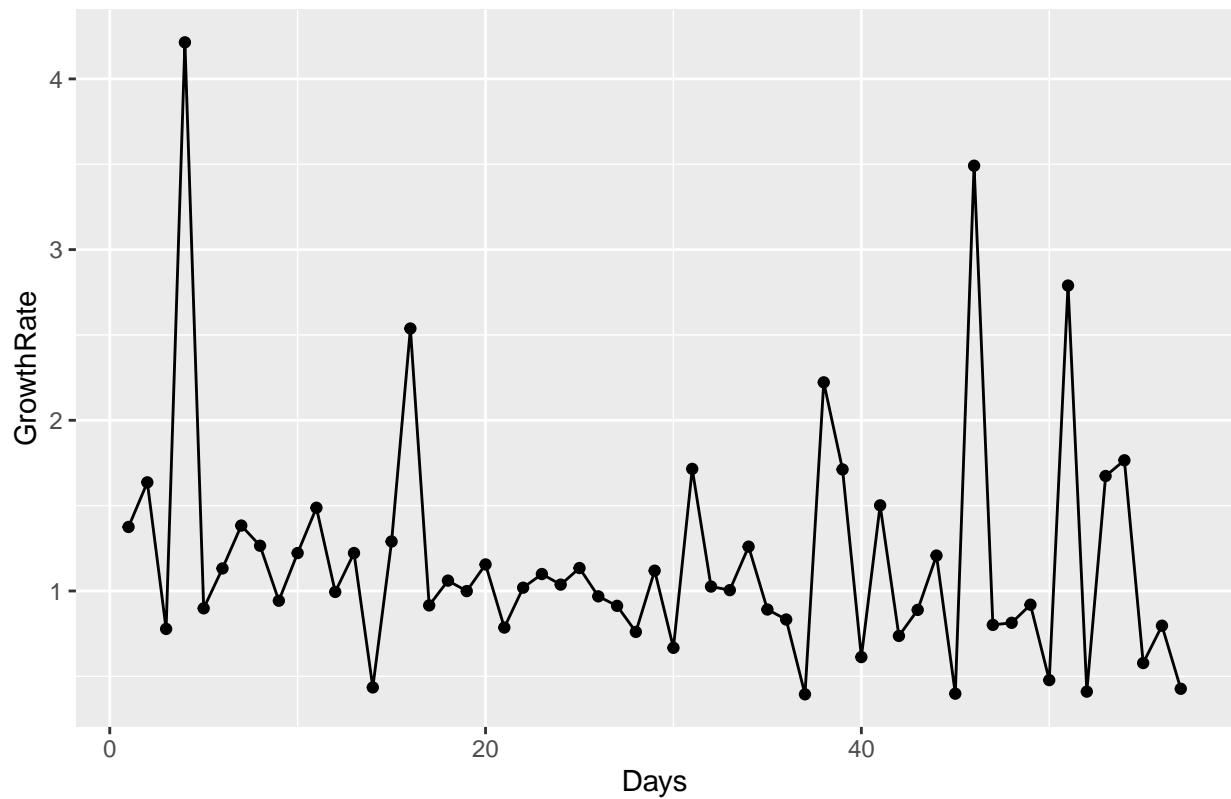
US: Daily Cases



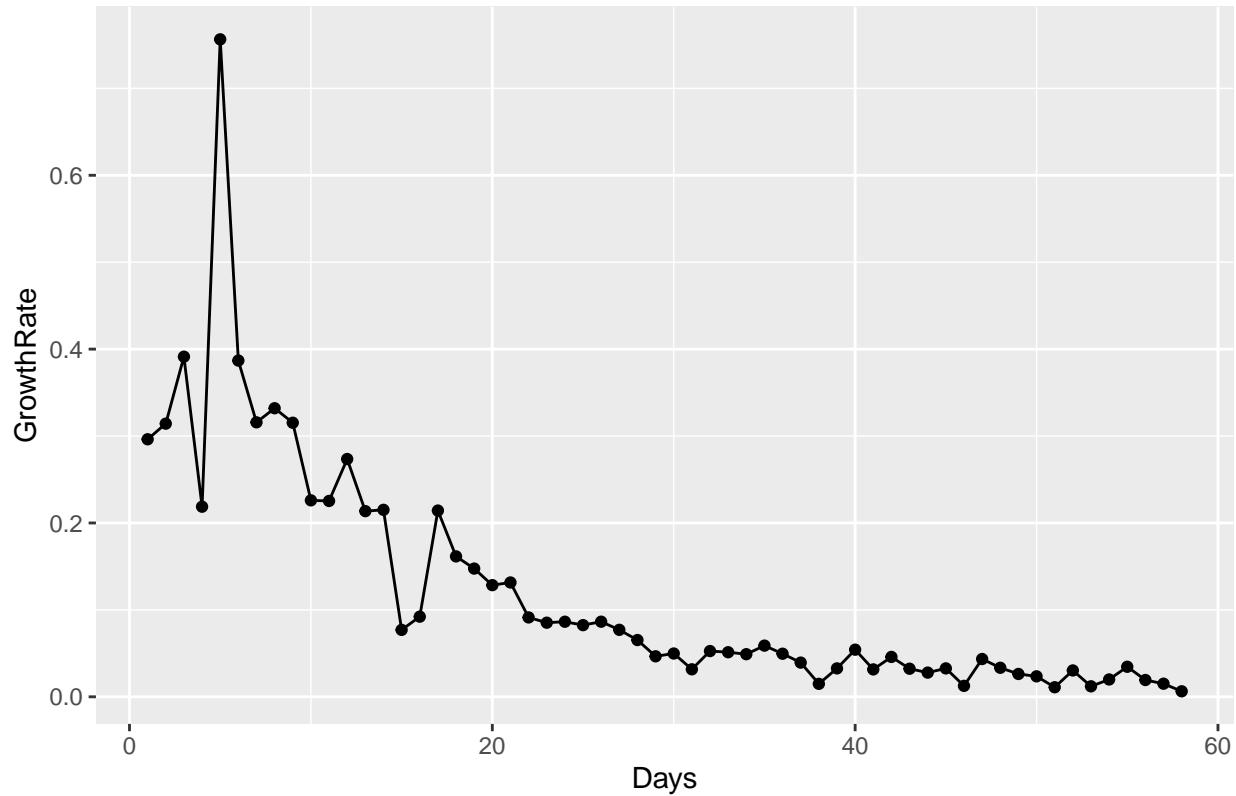
US: Daily Cases



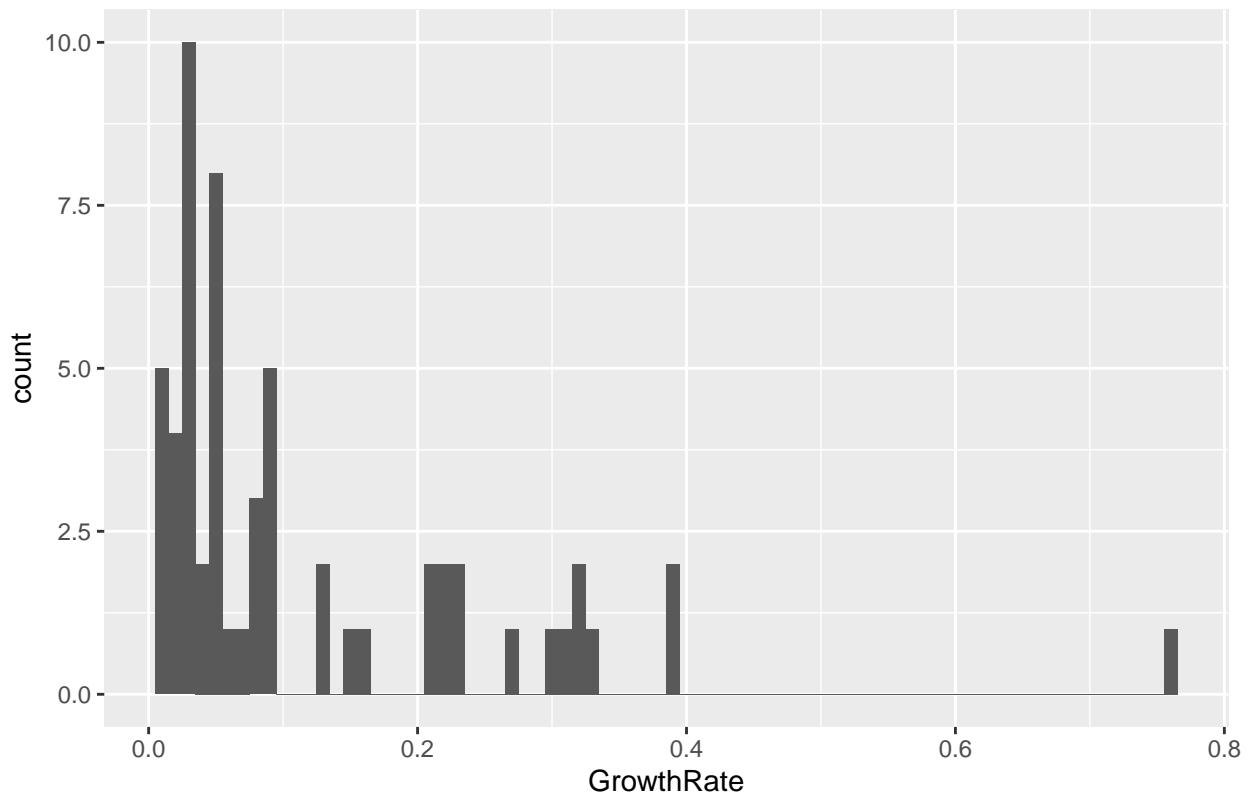
US: Rate of change in Growth Rate



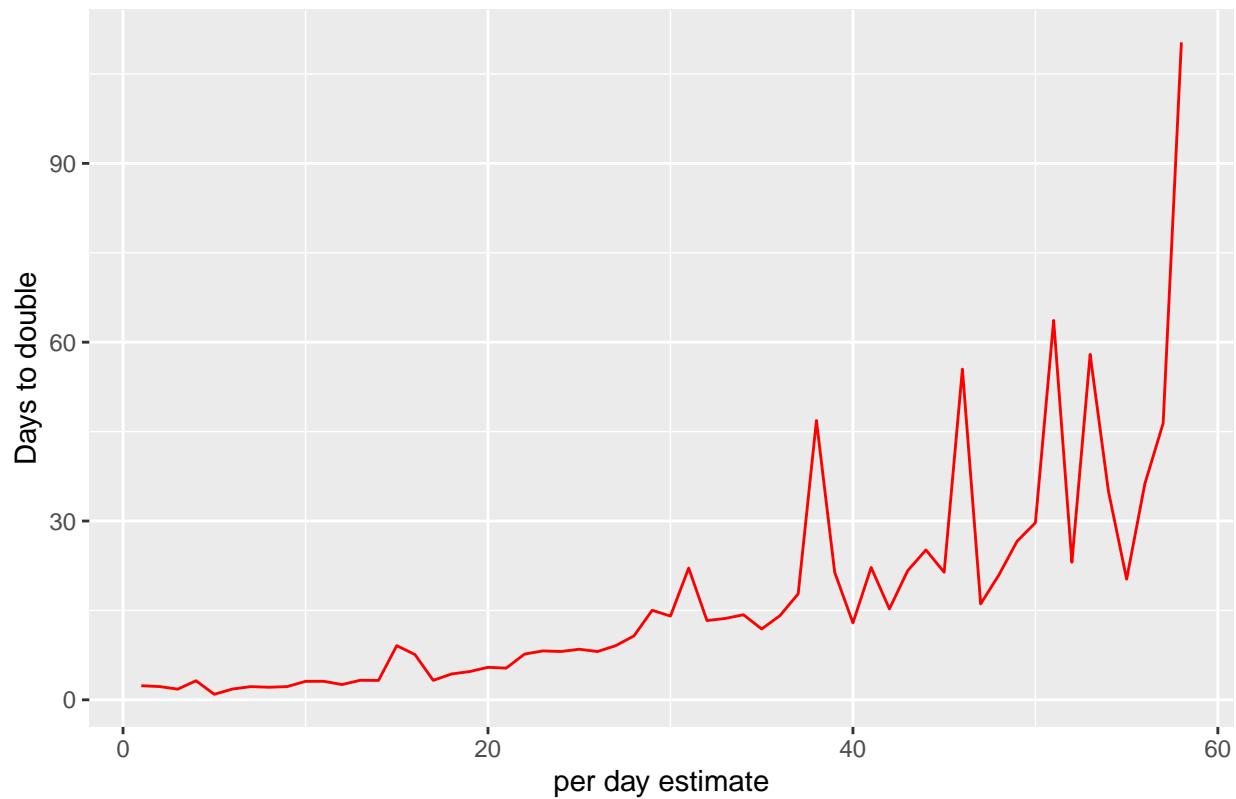
US: Growth Rate



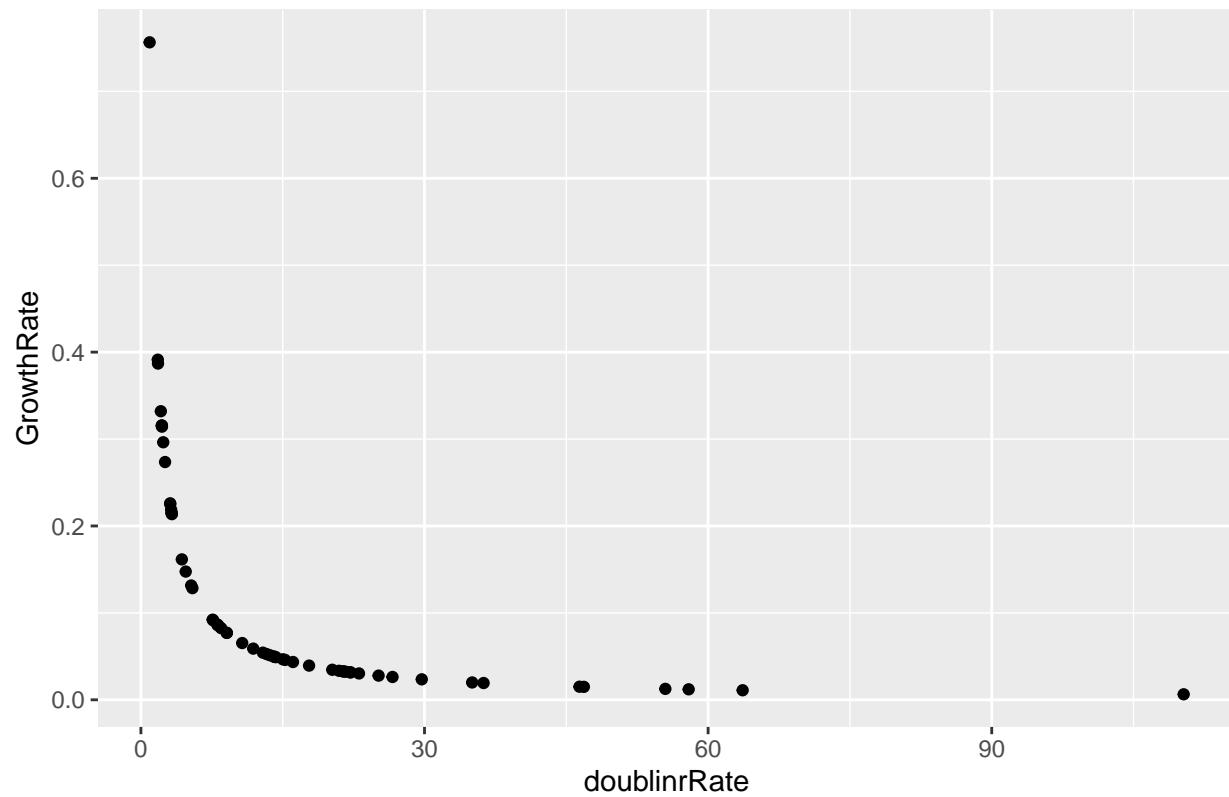
Histogram of GrowthRate



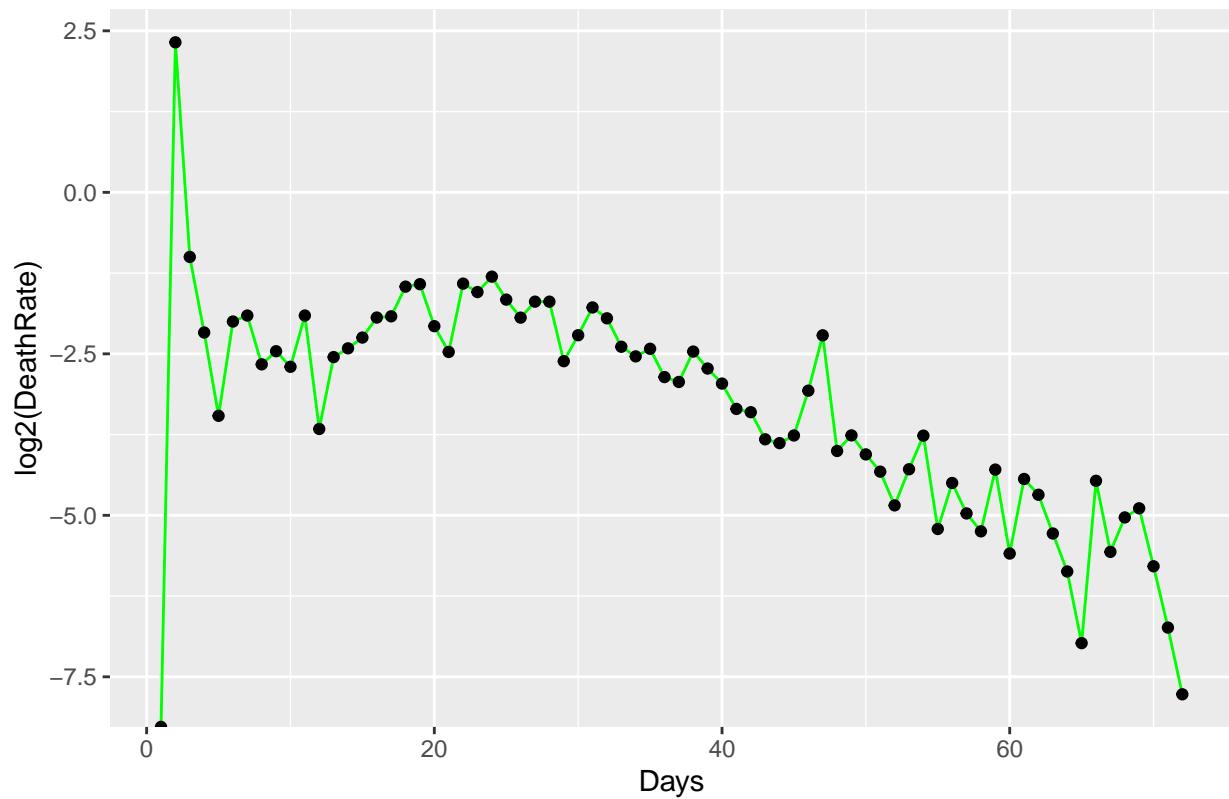
Doubling Rate in days



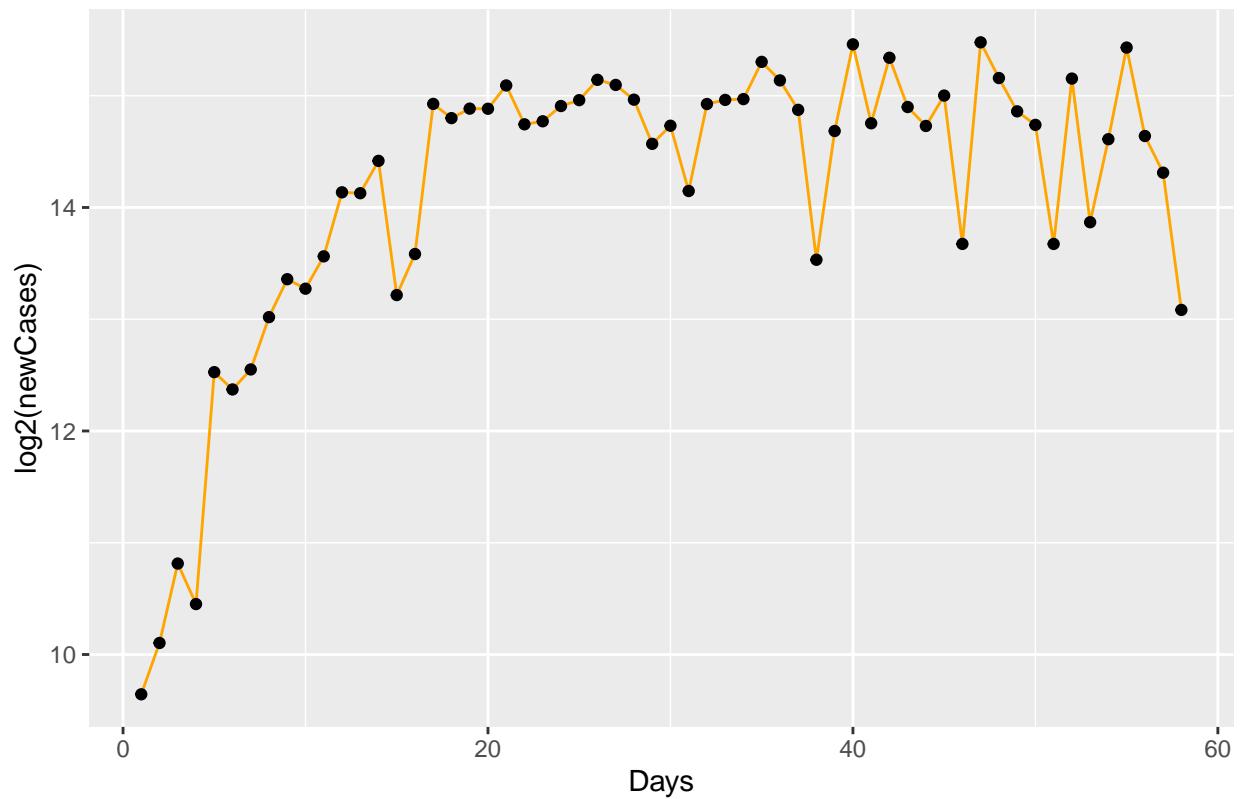
Doubling Rate vs Growth Rate



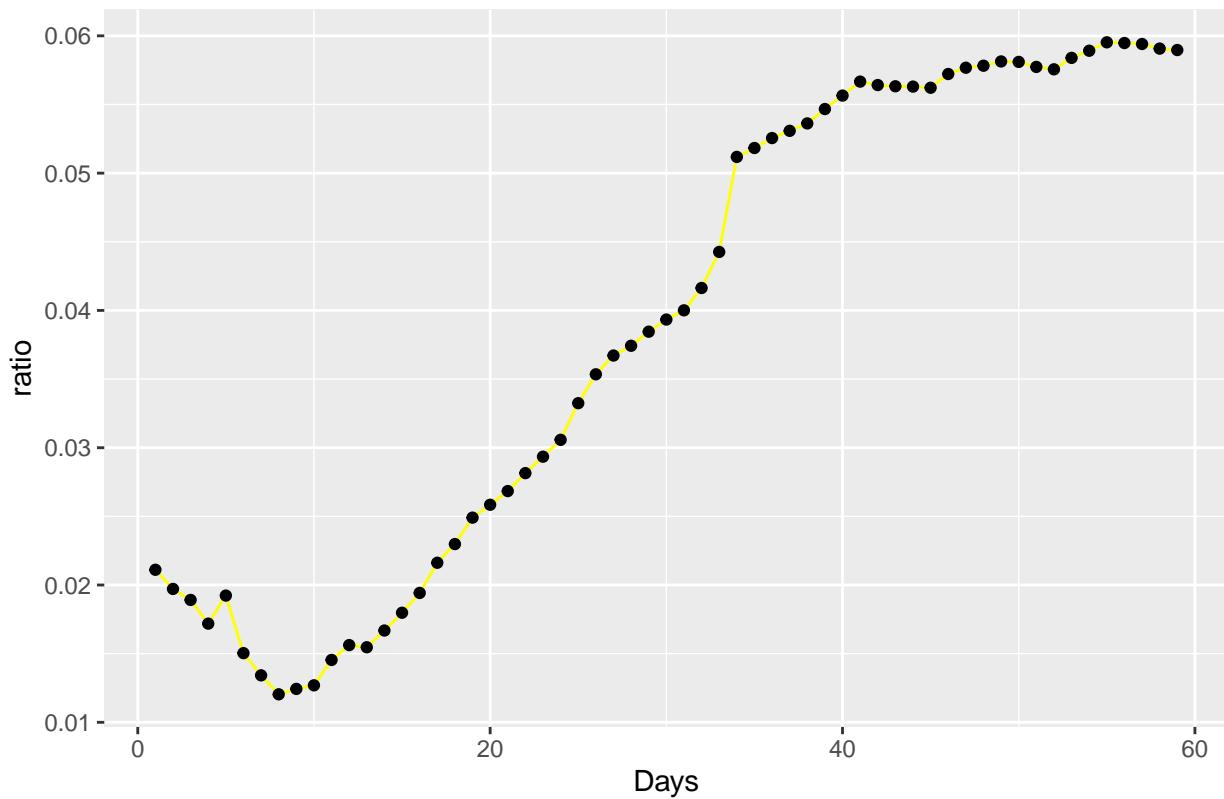
US: Daily Death Rate



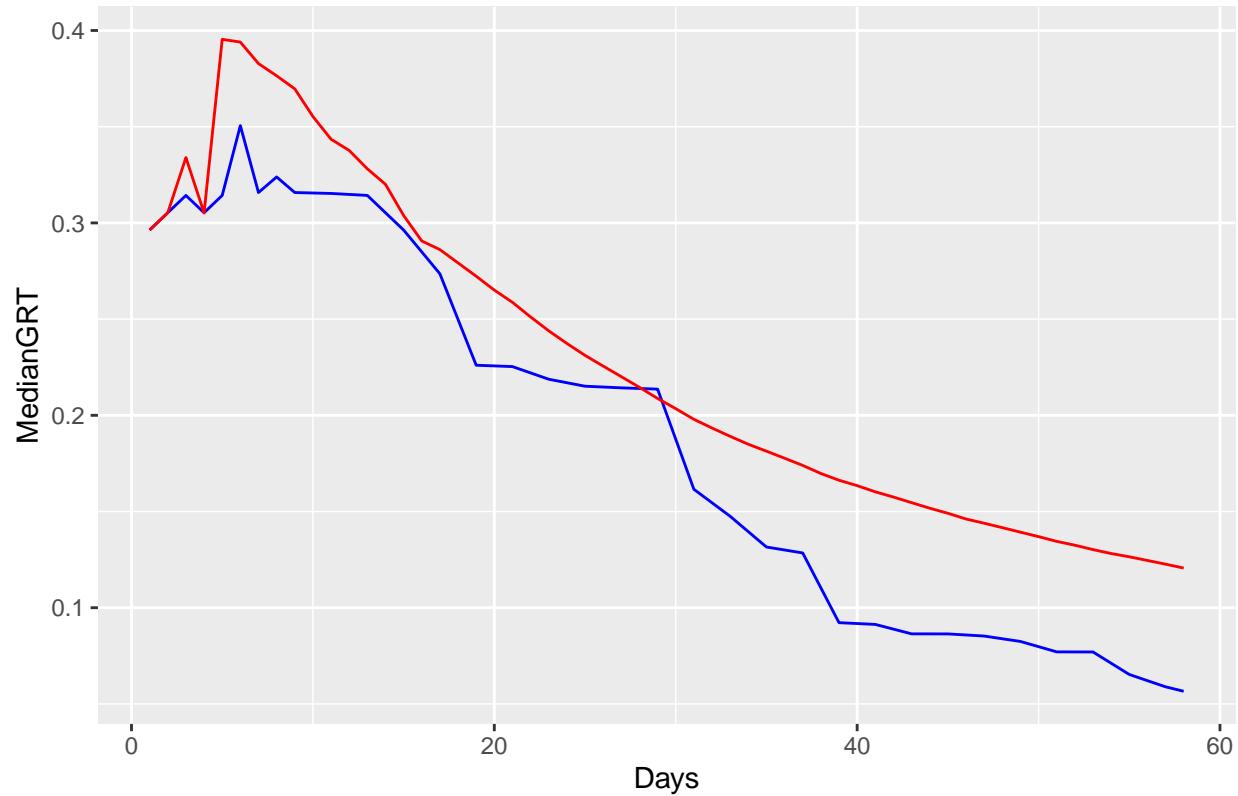
US:newCases(Orange)



US: TotalDeaths/TotalCases



US Median(BLUE)VsMean(RED) Growth Rate

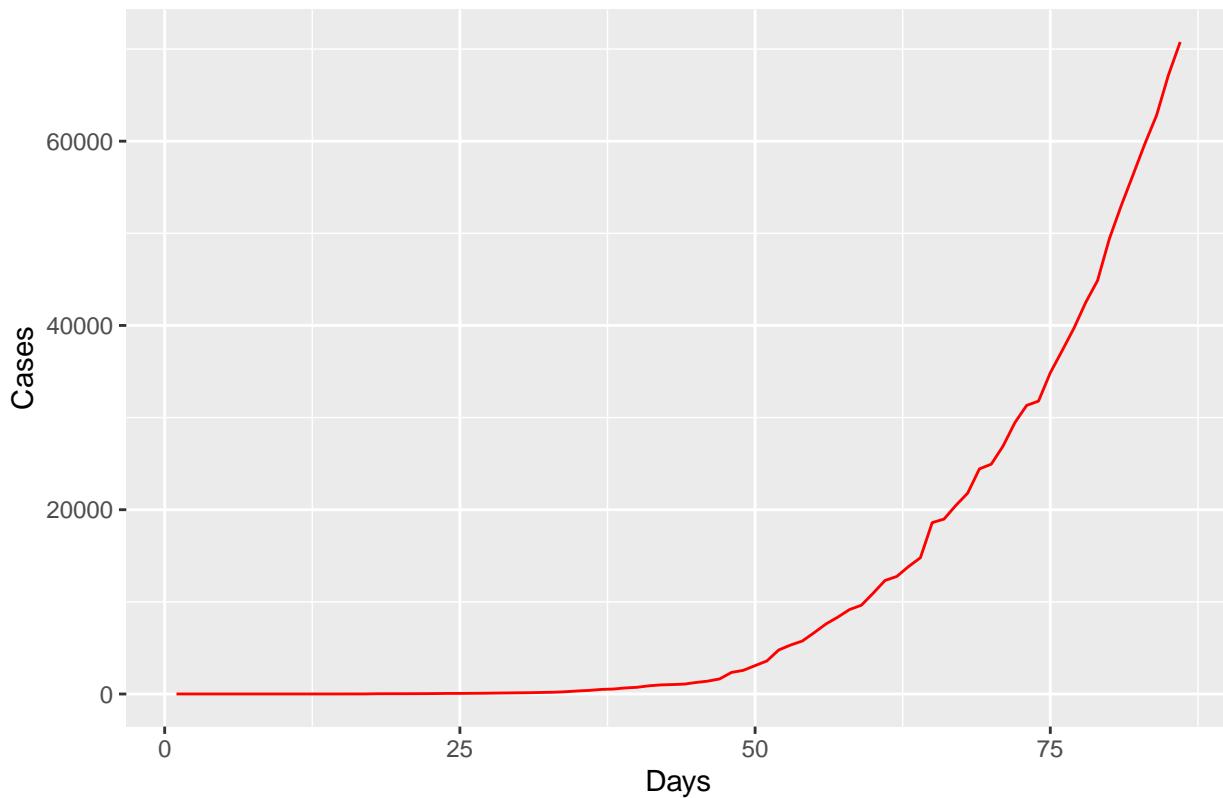


Results:

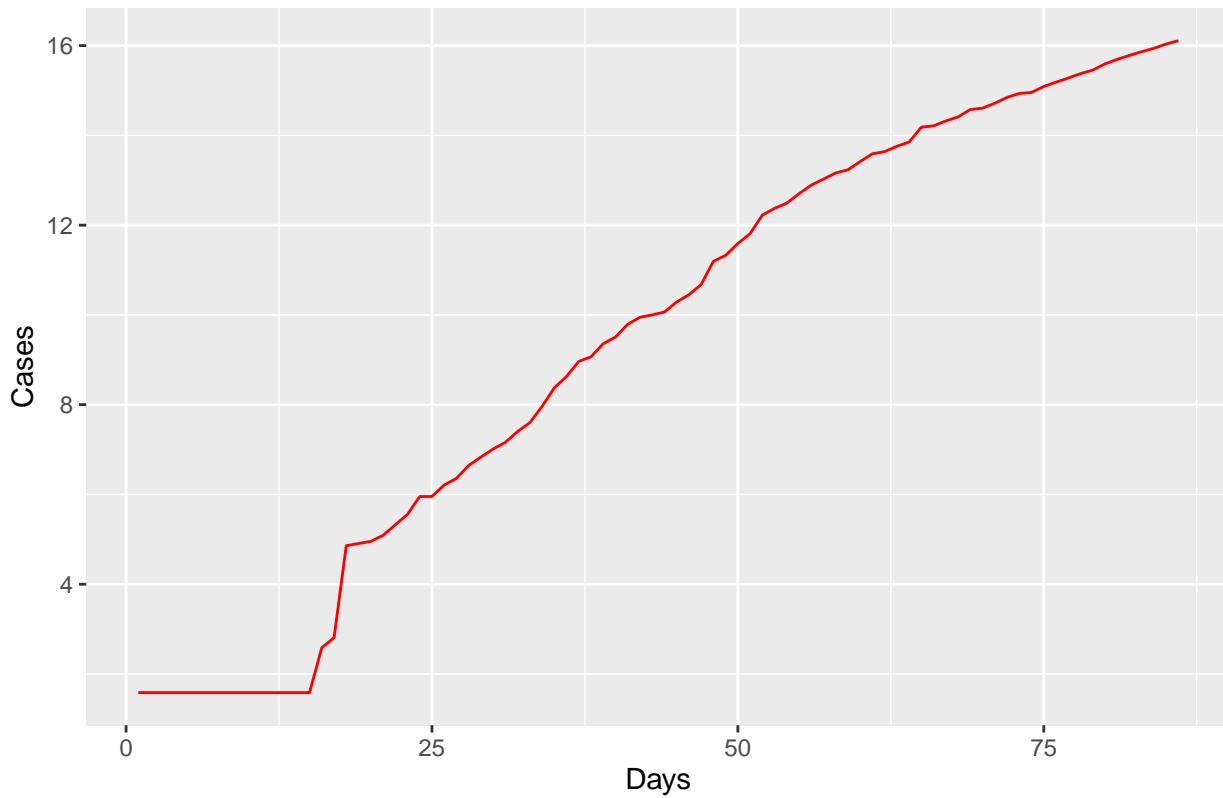
- Tomorrows predicted case number is between 1.3850511×10^6 and 1.542345×10^6 cases.
- Current doubling rate is **110 days**
- Mean doubling rate, i.e number of cases doubles every **6 days**.
- Median doubling rate, i.e number of cases doubles every **12 days**.
- Latest Observed Growth Rate **0.6345978** percent.
- Mean Growth Rate: **12.0632086** percent.
- Median Growth Rate: **5.656091** percent.
- Standard deviation: +/- **13.713038**.

India Corona Dashboard

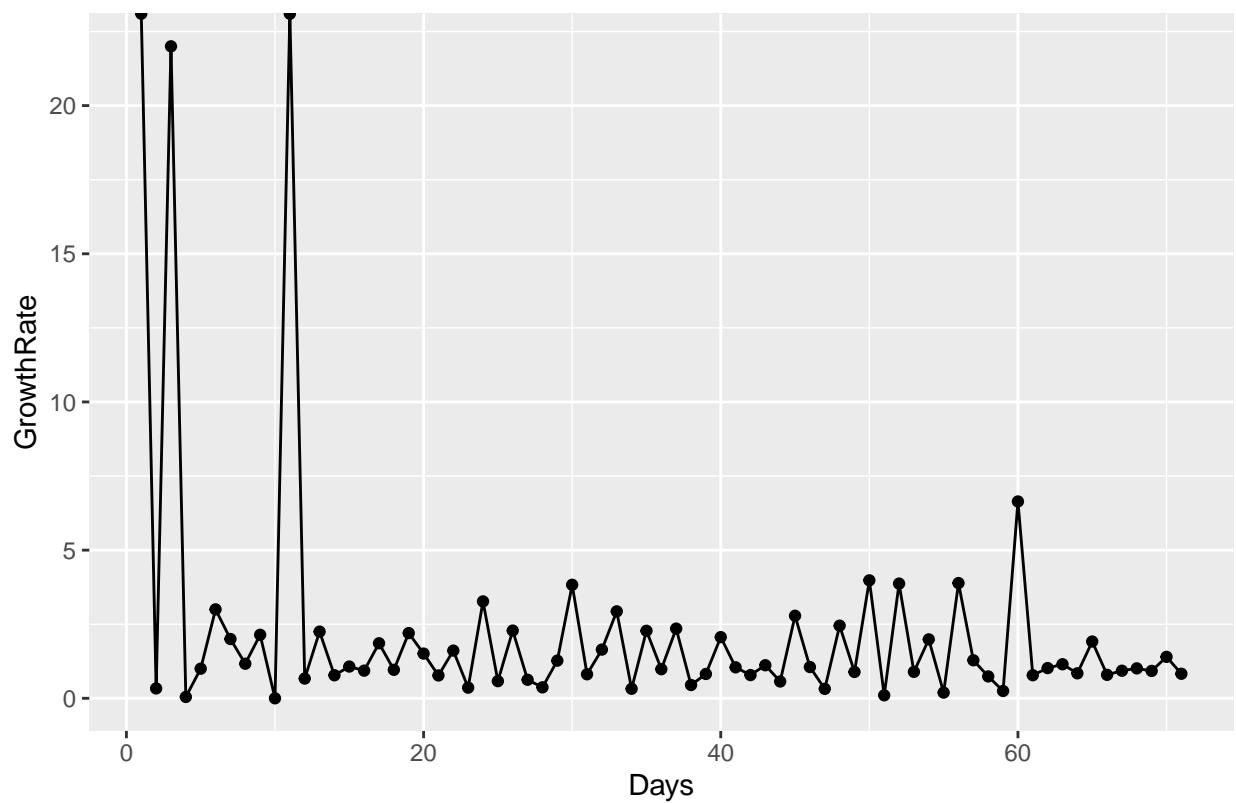
India: Daily Cases



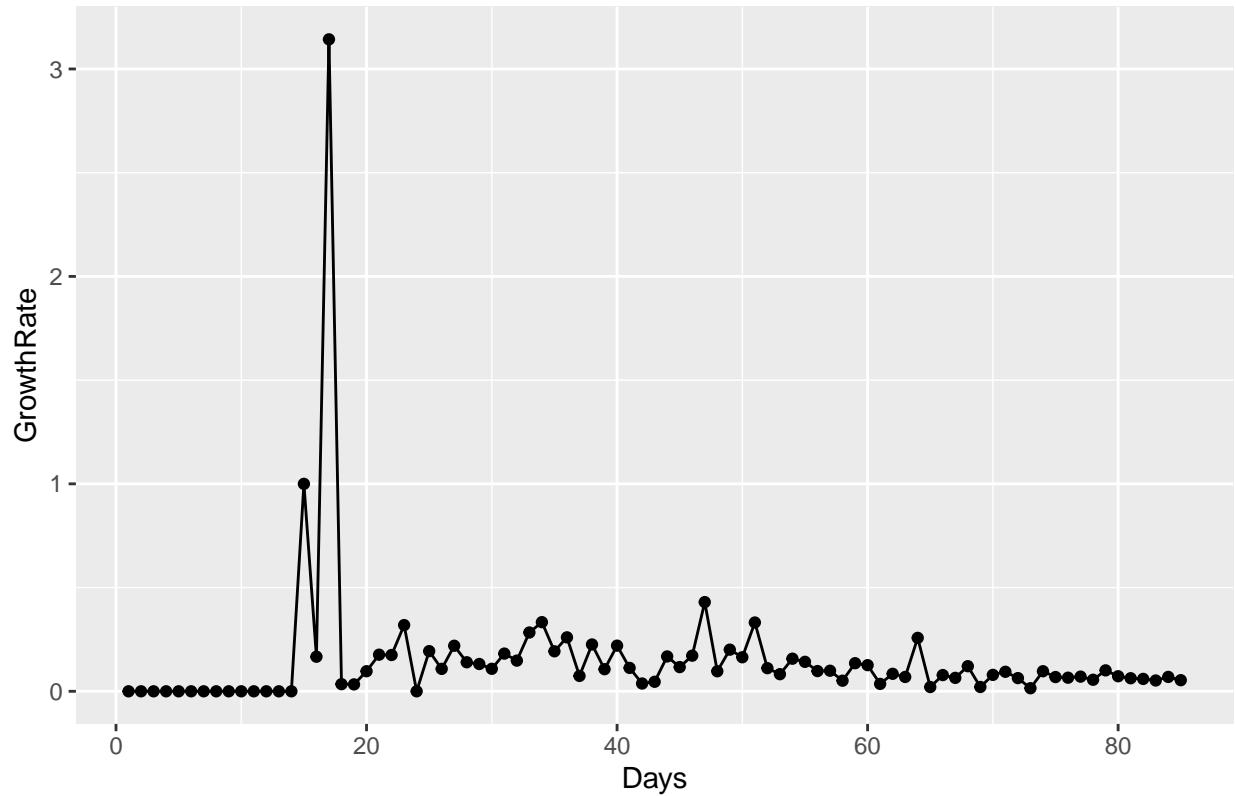
India: Daily Cases



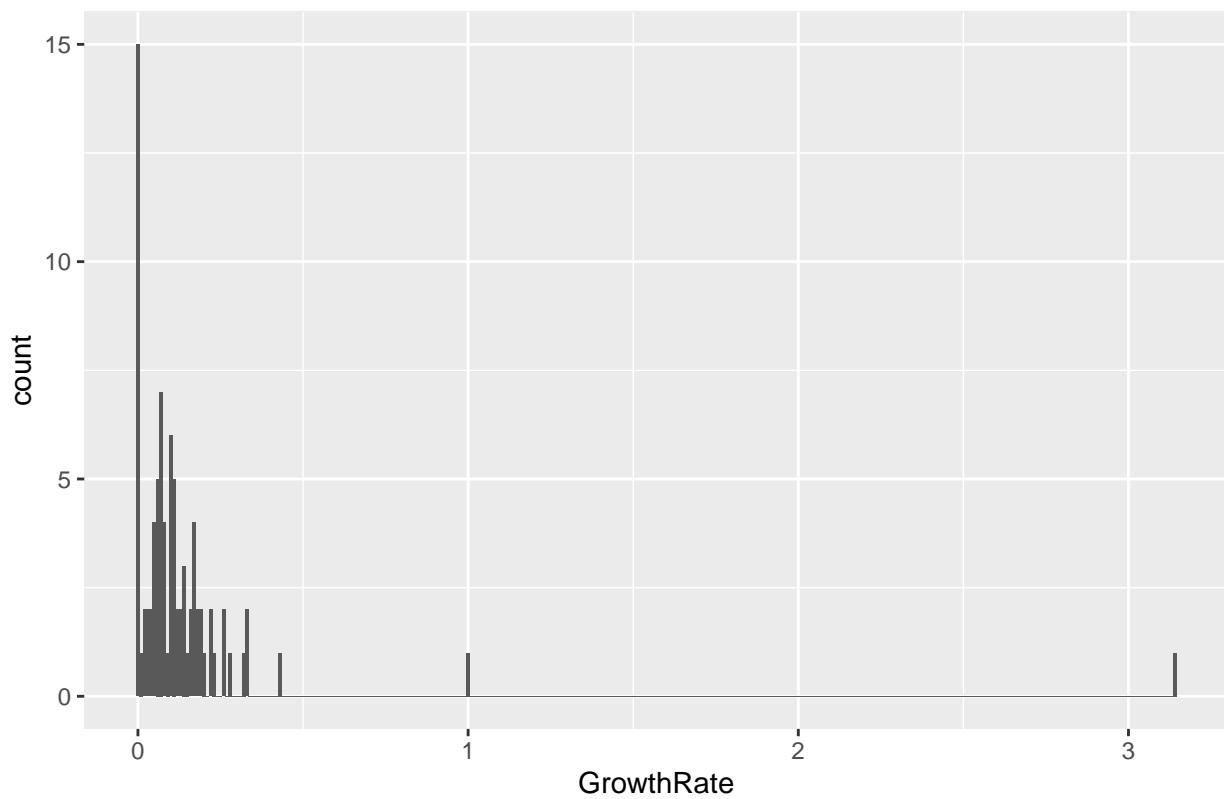
US: Rate of change in Growth Rate



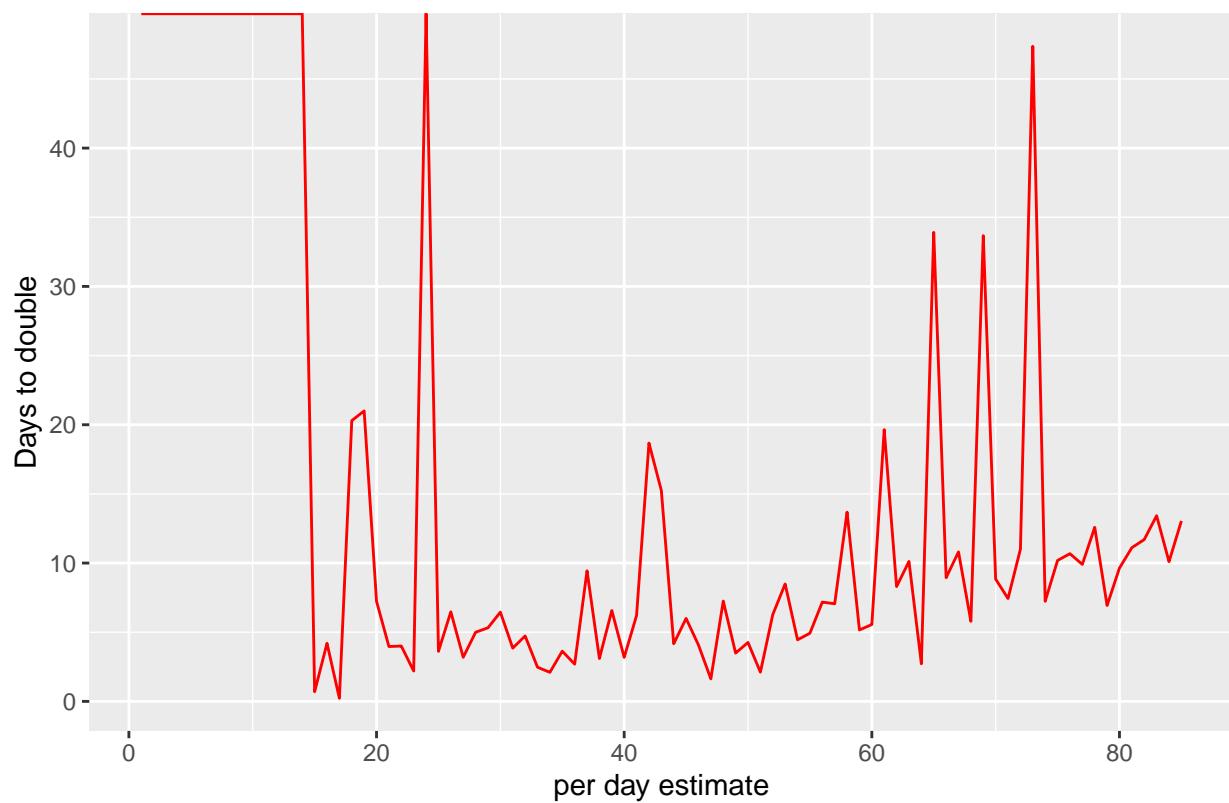
India: Growth Rate



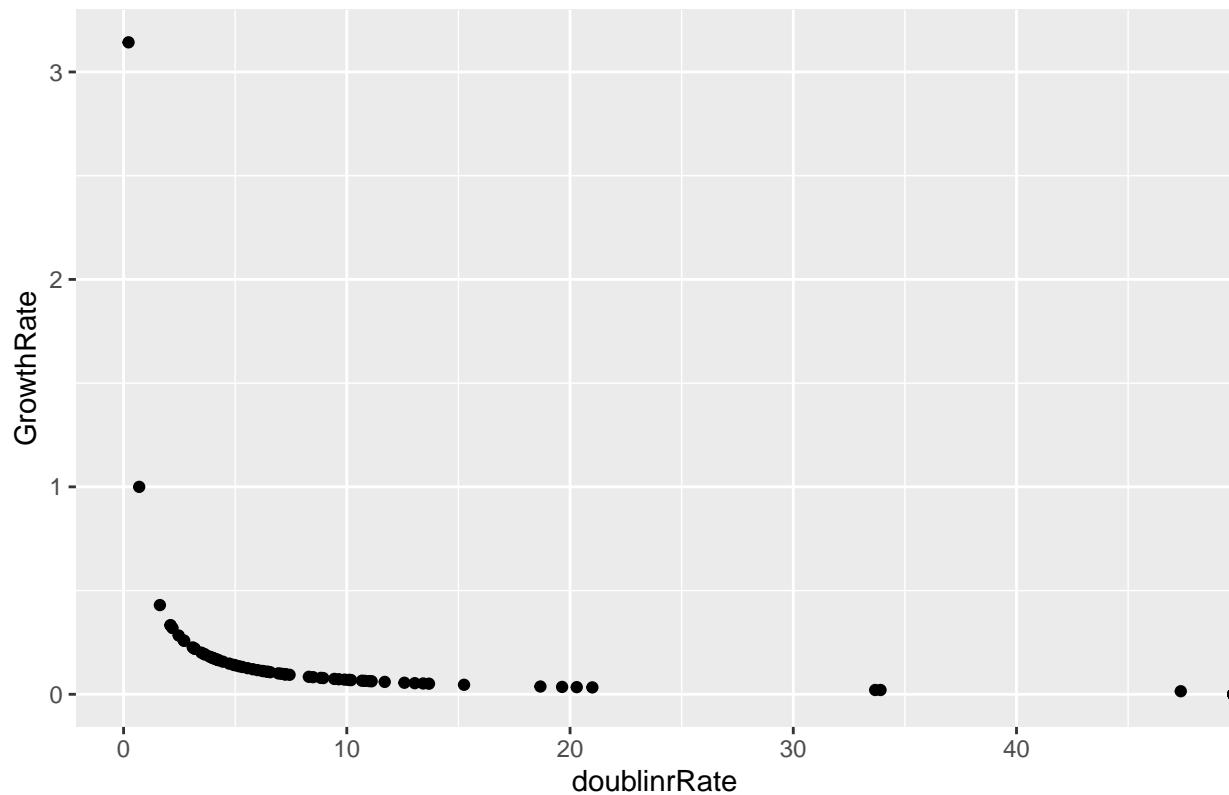
Histogram of GrowthRate



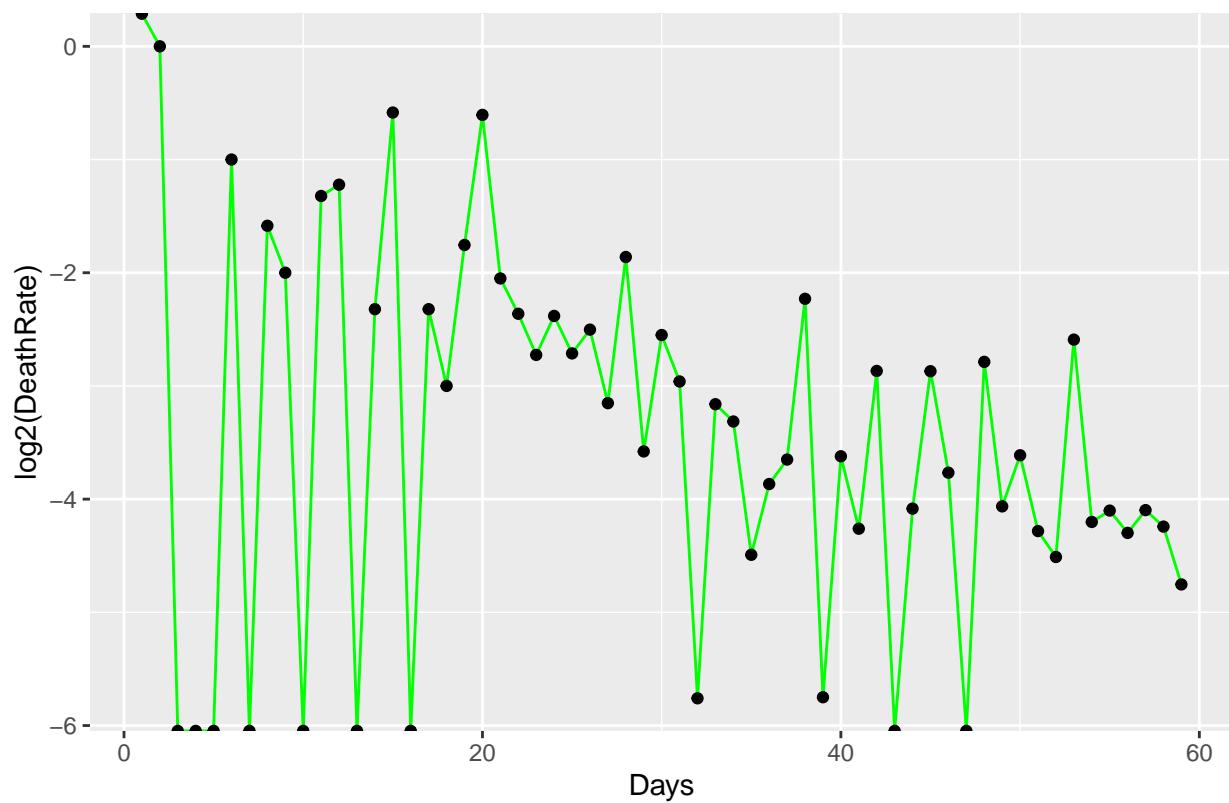
Doubling Rate in days



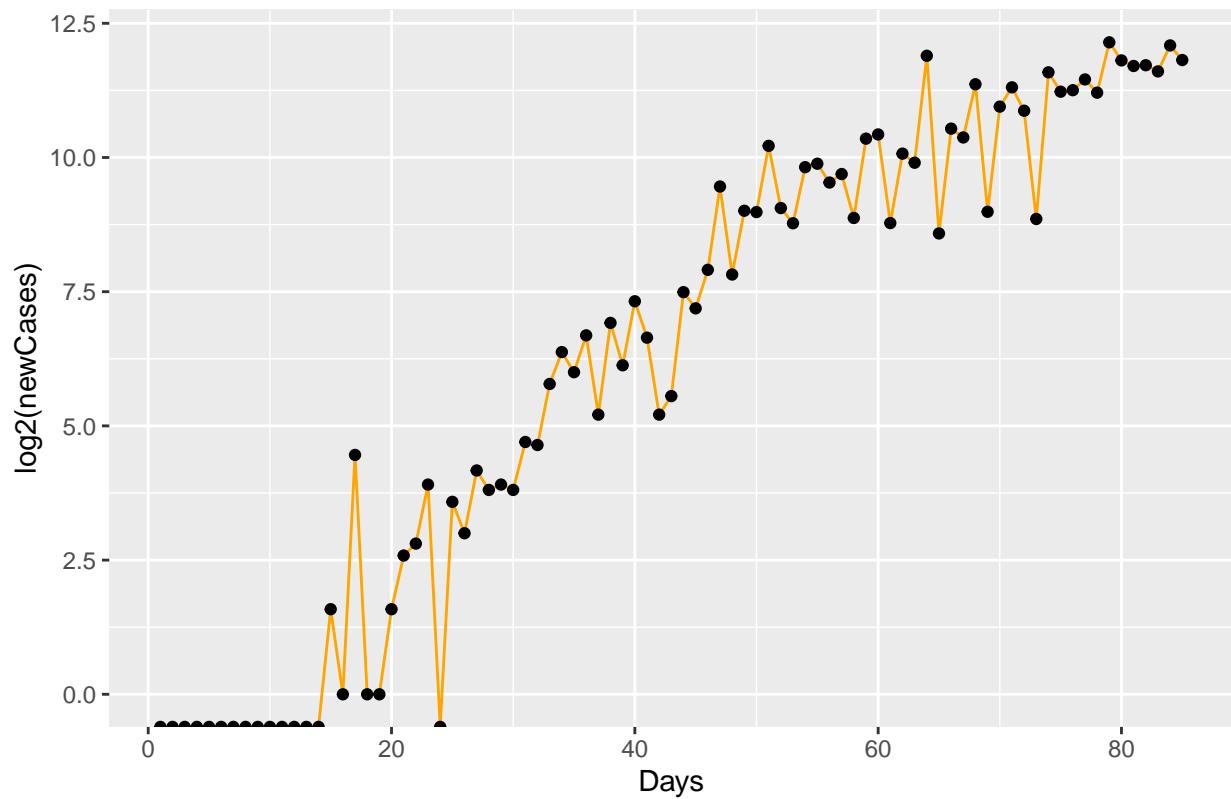
Doubling Rate vs Growth Rate



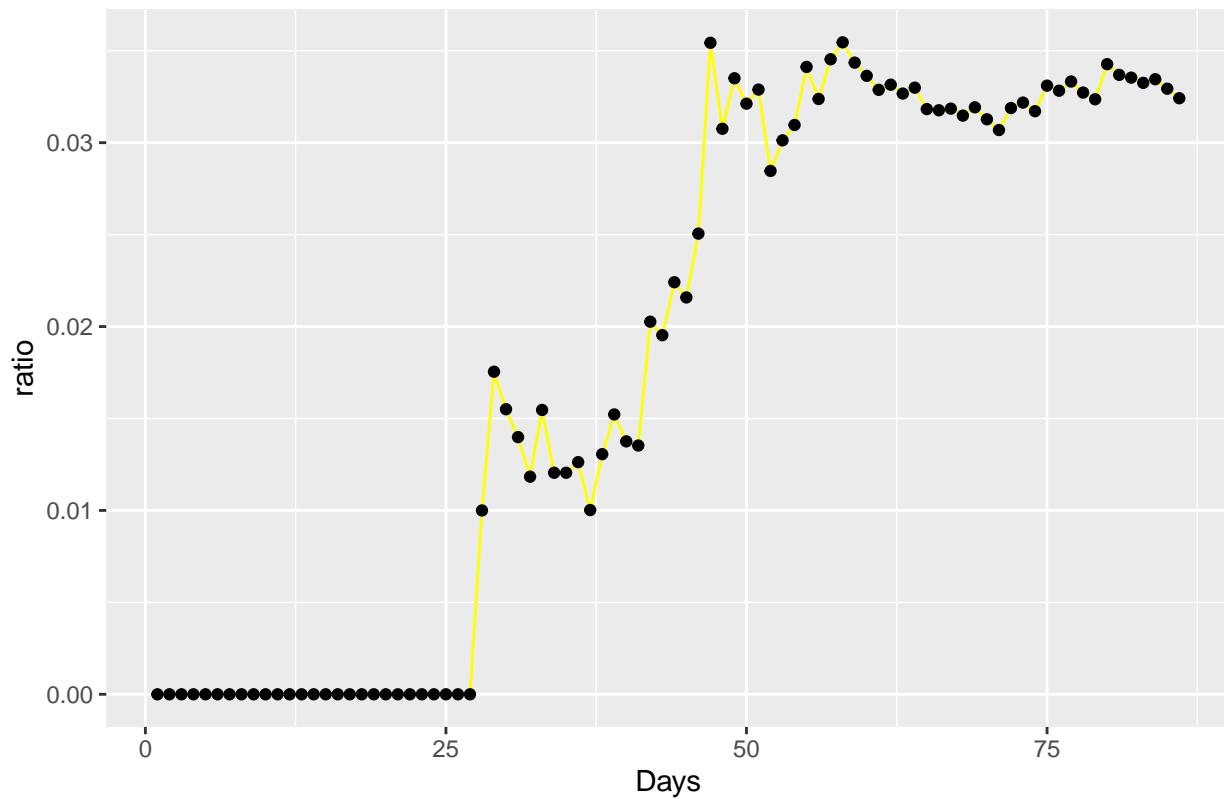
India: Daily Death Rate



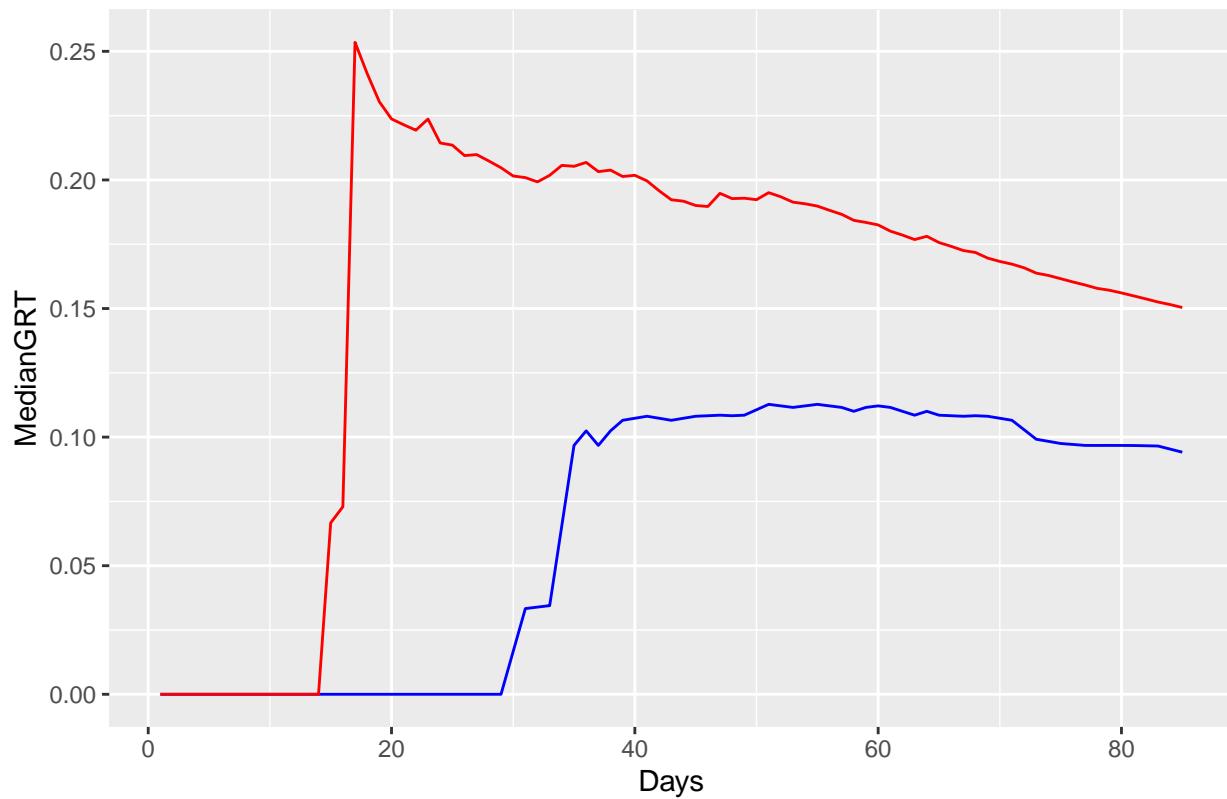
India:newCases(Orange)



India: TotalDeaths/TotalCases



India Median(BLUE)VsMean(RED) Growth Rate



Results:

- Tomorrows predicted case number is between 7.4562398×10^4 and 8.1407332×10^4 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 **7 days**.
- Latest Observed Growth Rate **5.3662096** percent.
- Mean Growth Rate: **15.0389766** percent.
- Median Growth Rate: **9.4141249** percent.
- Standard deviation: +/- **35.4153785**.