

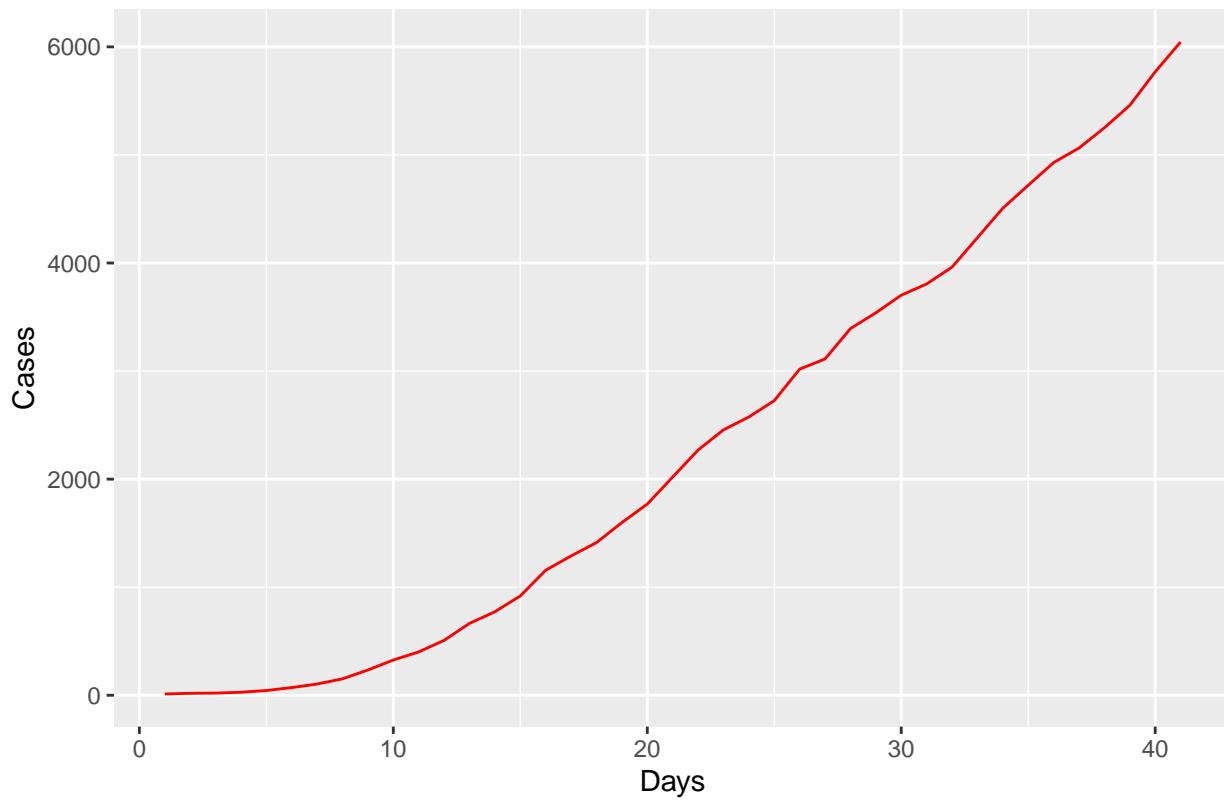
Arizona/US/India Corona Trends- 24th April 2020 with tomorrow's prediction

Whitchurch Muthumani

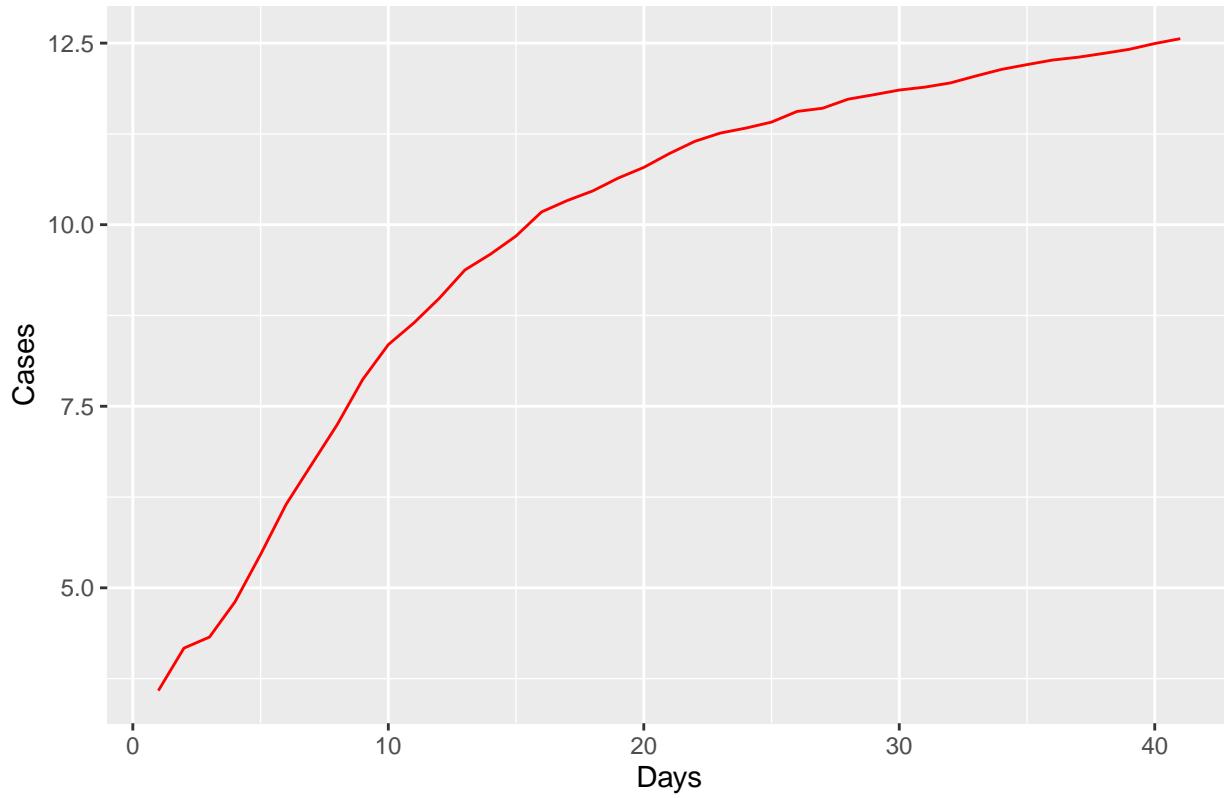
4/24/2020

Arizona Corona Dashboard

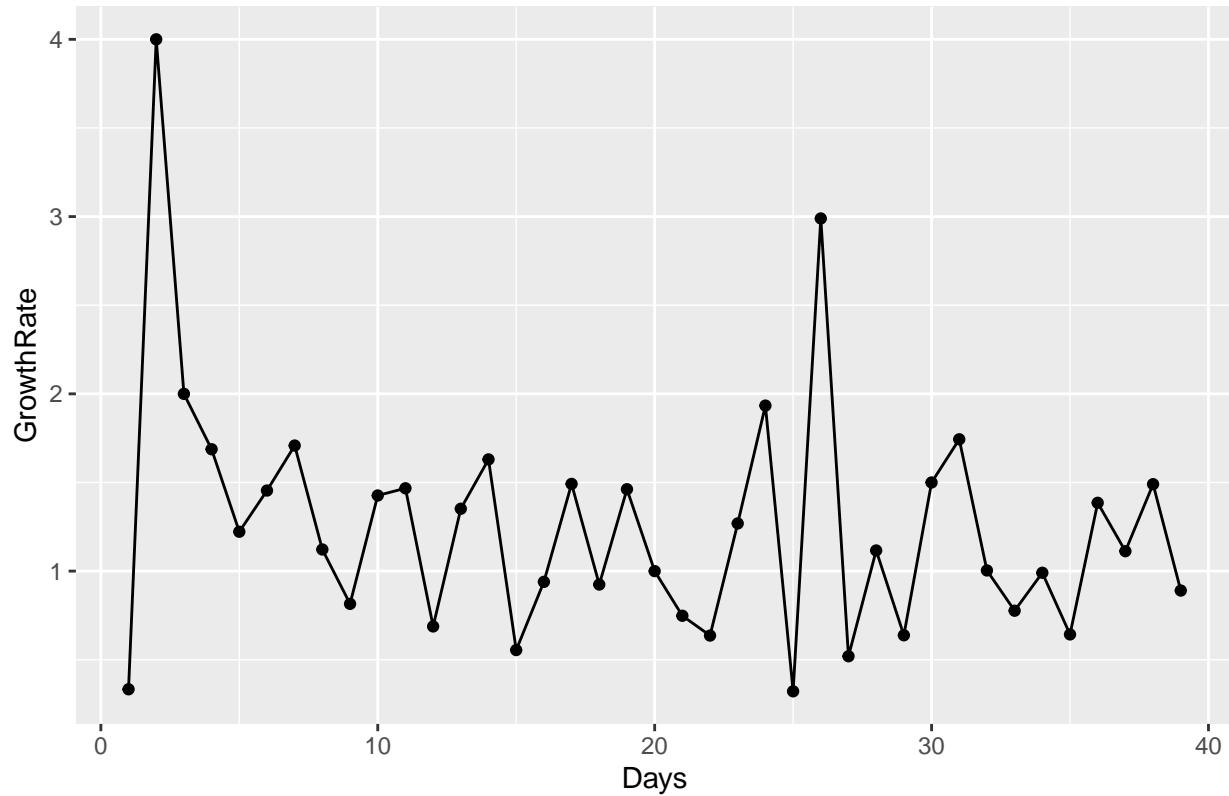
Arizona: Daily Cases



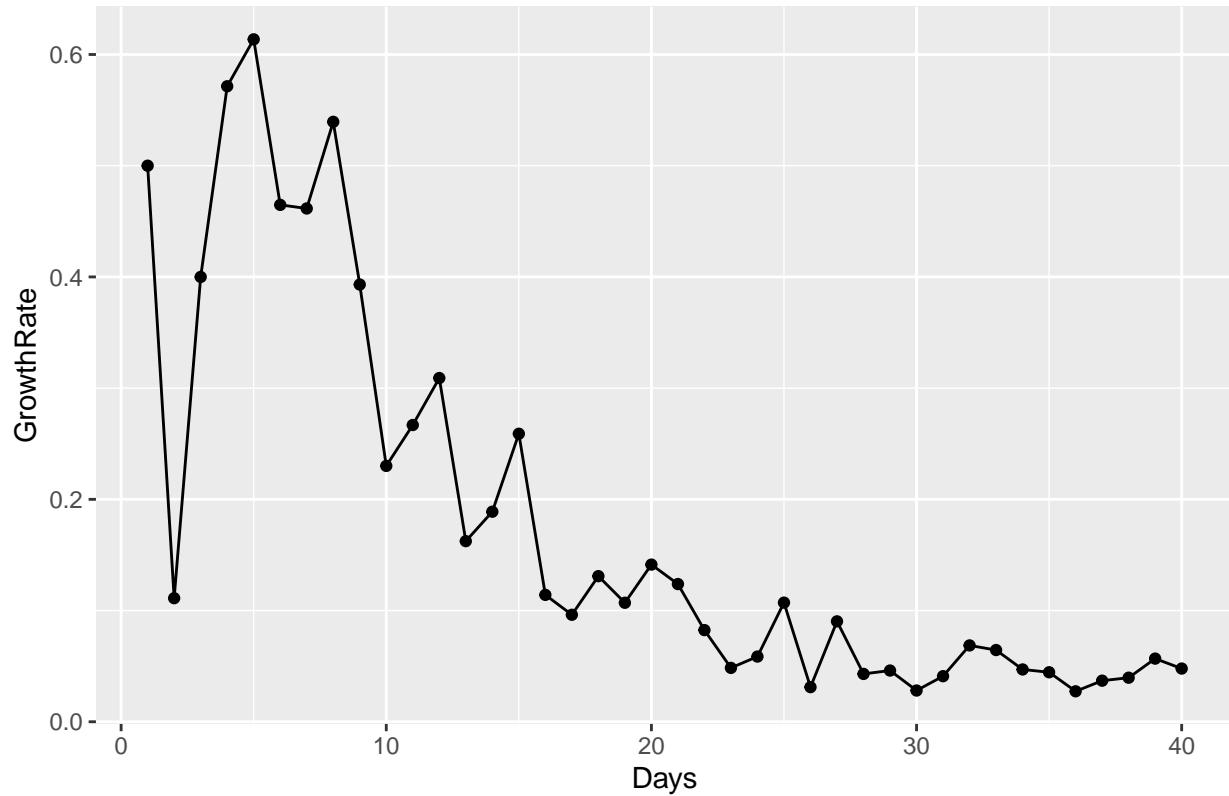
Arizona: Daily Cases



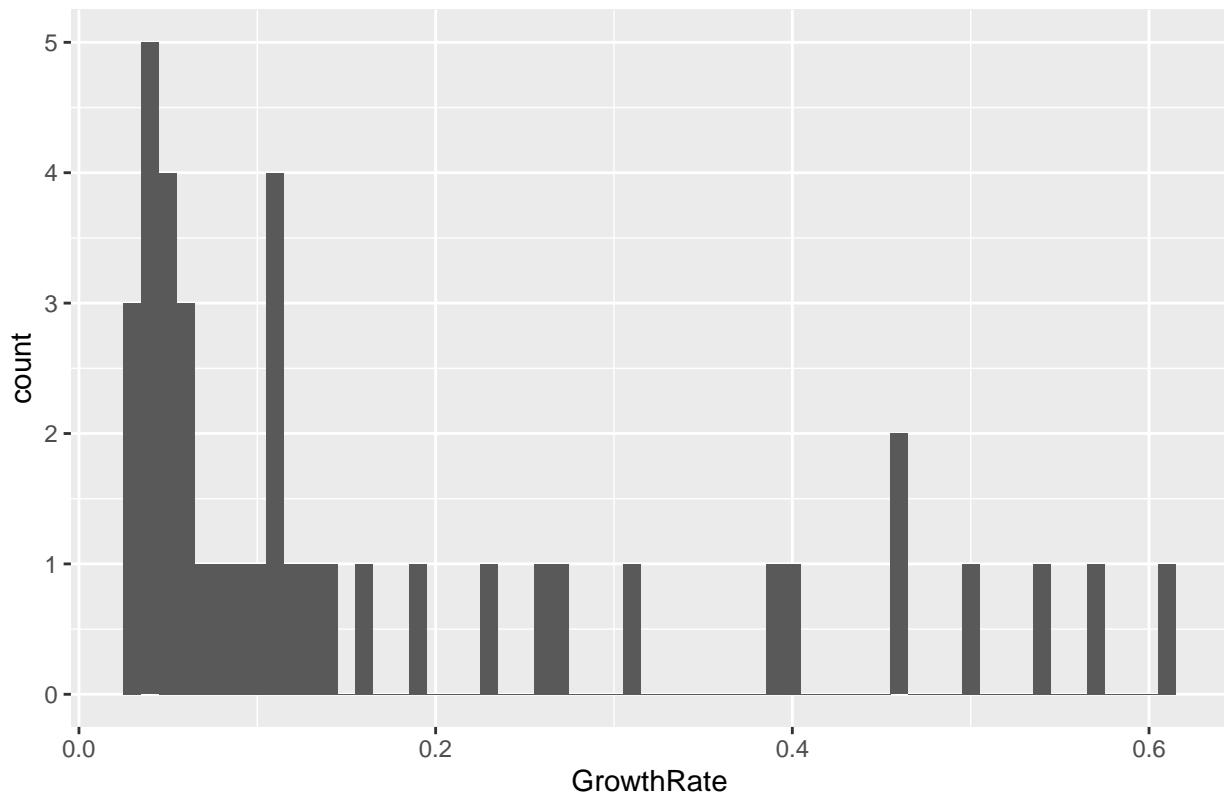
Arizona: Rate of change in Growth Rate



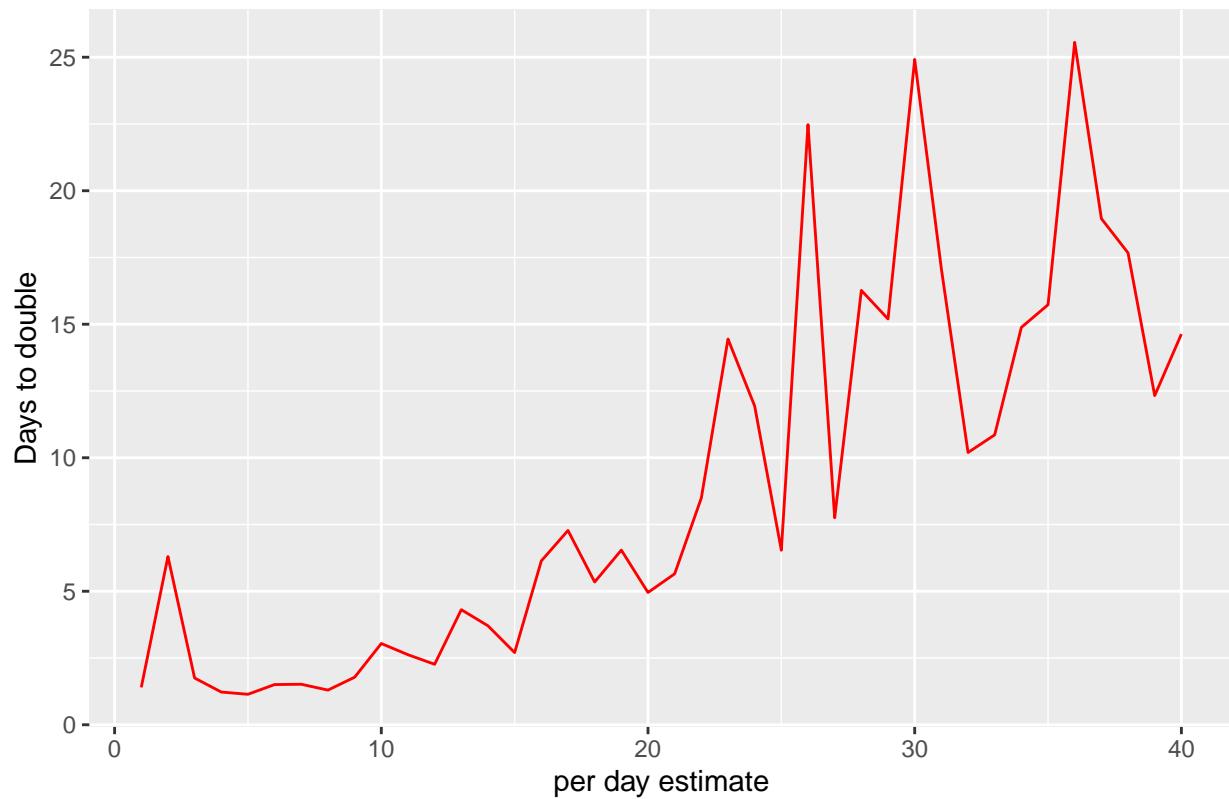
Arizona: Growth Rate



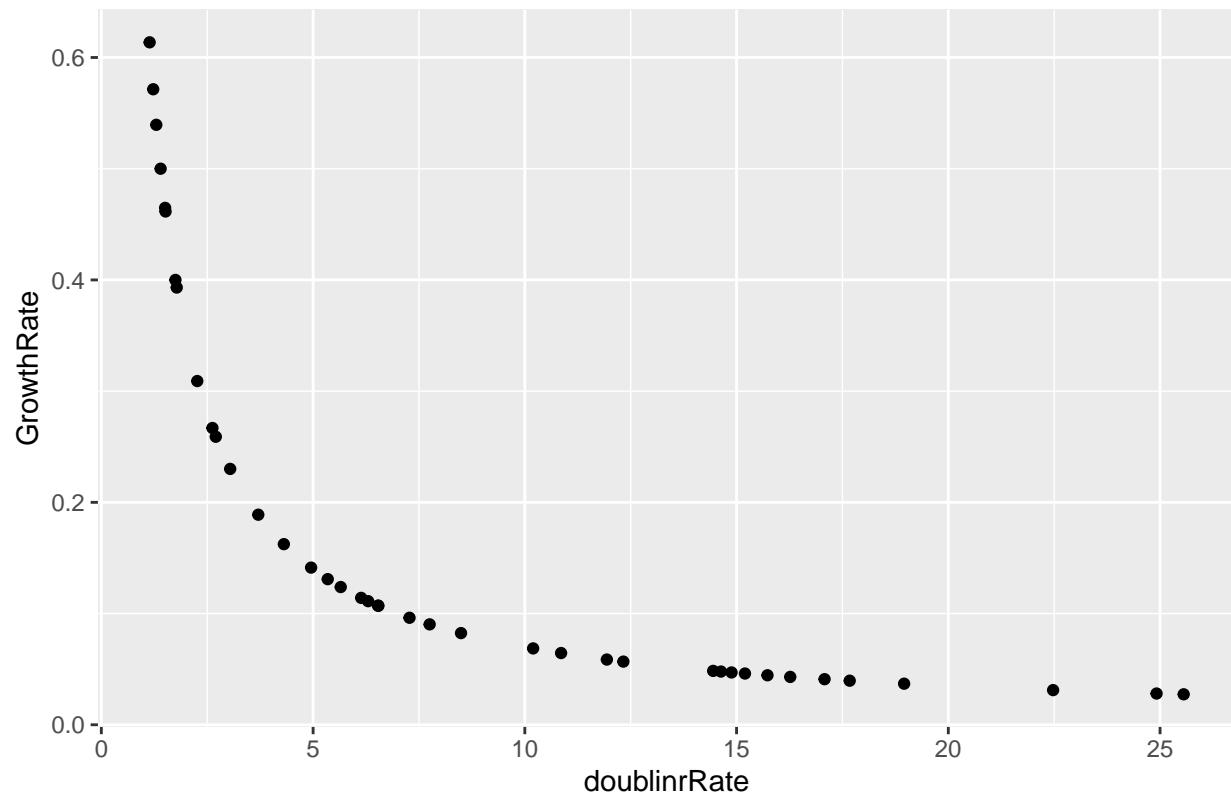
Histogram of GrowthRate



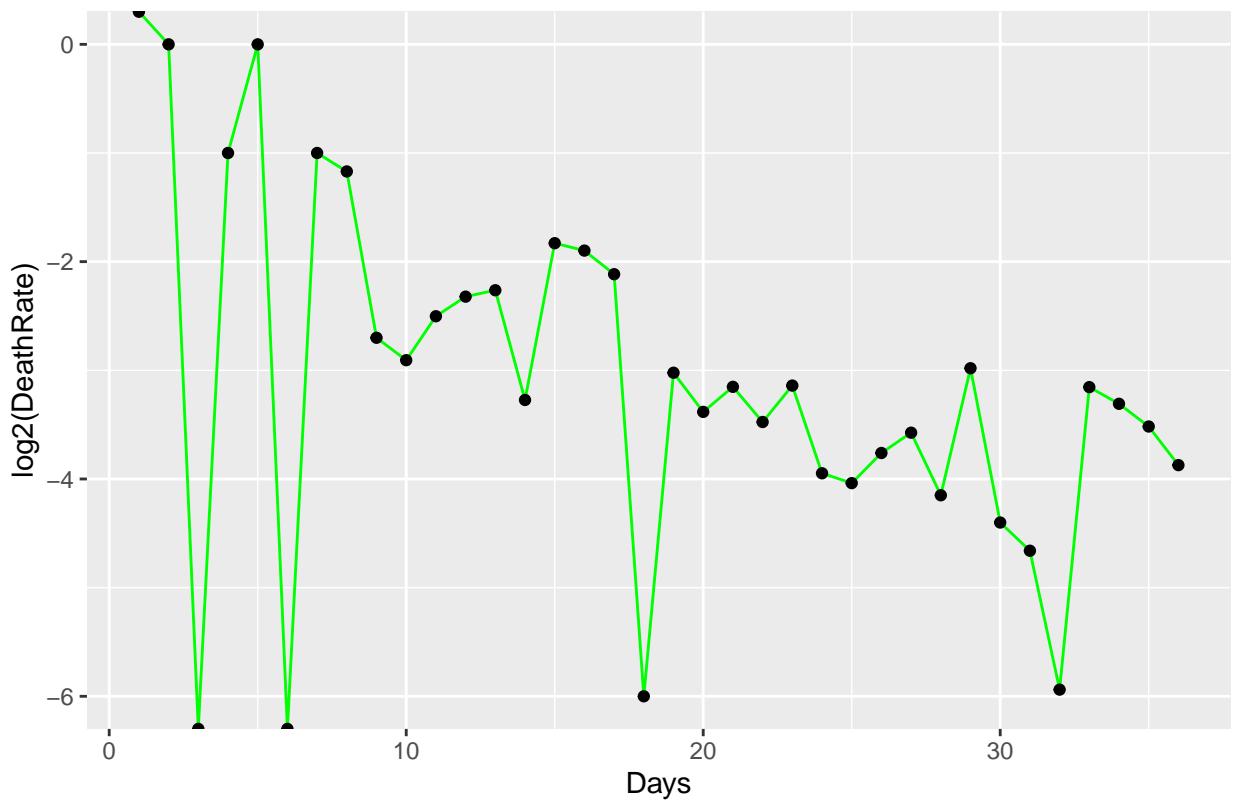
Doubling Rate in days



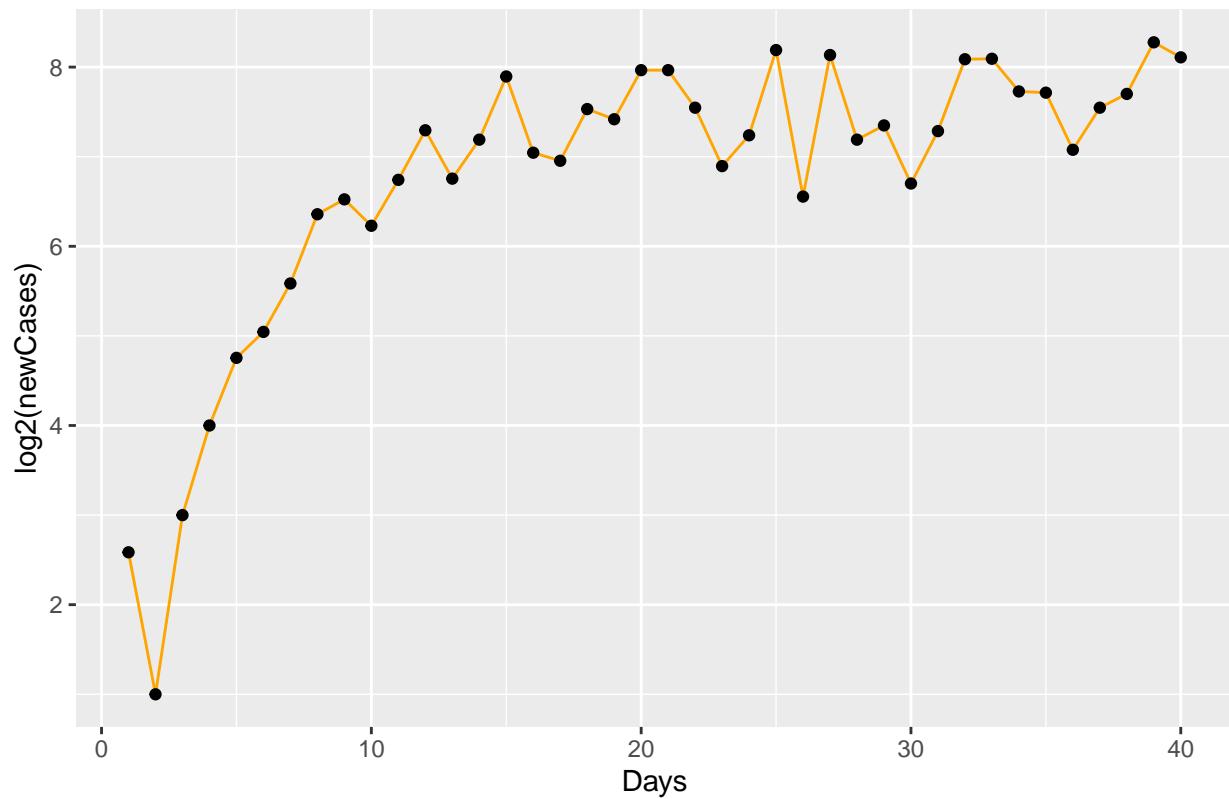
Doubling Rate vs Growth Rate



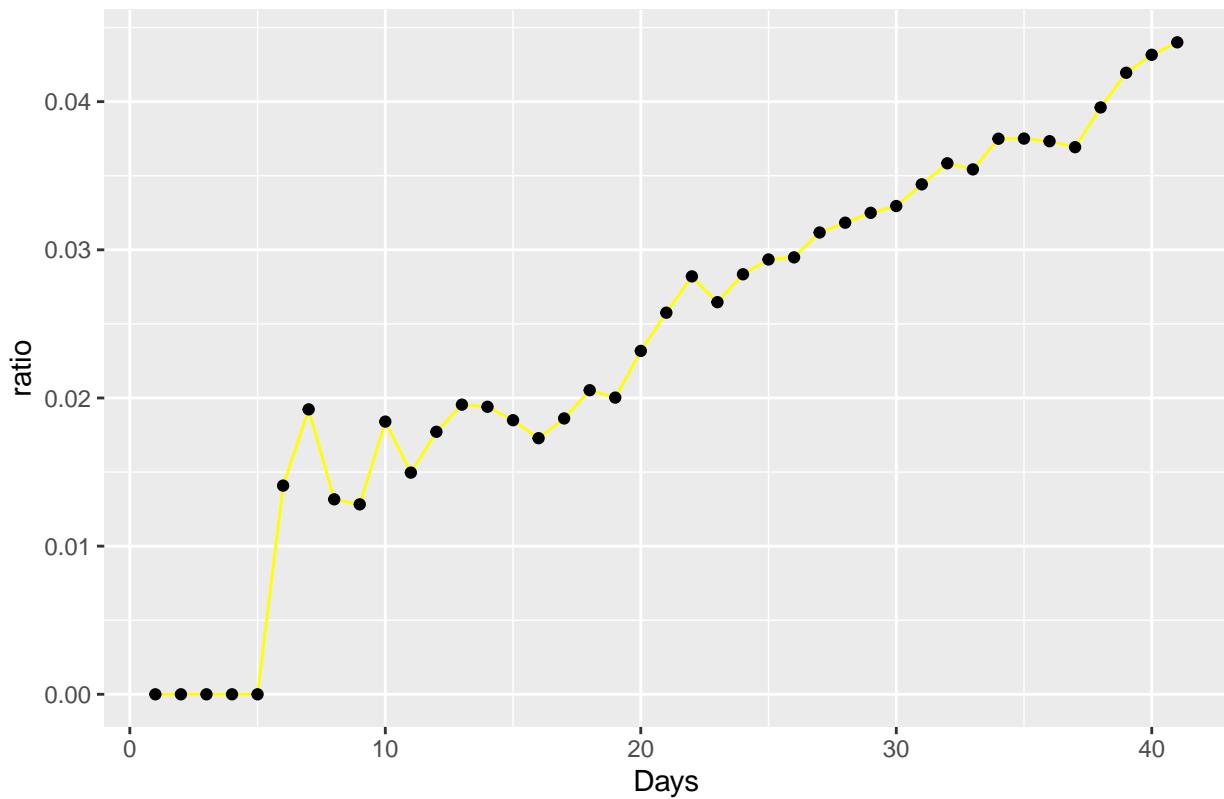
Arizona: Daily Death Rate



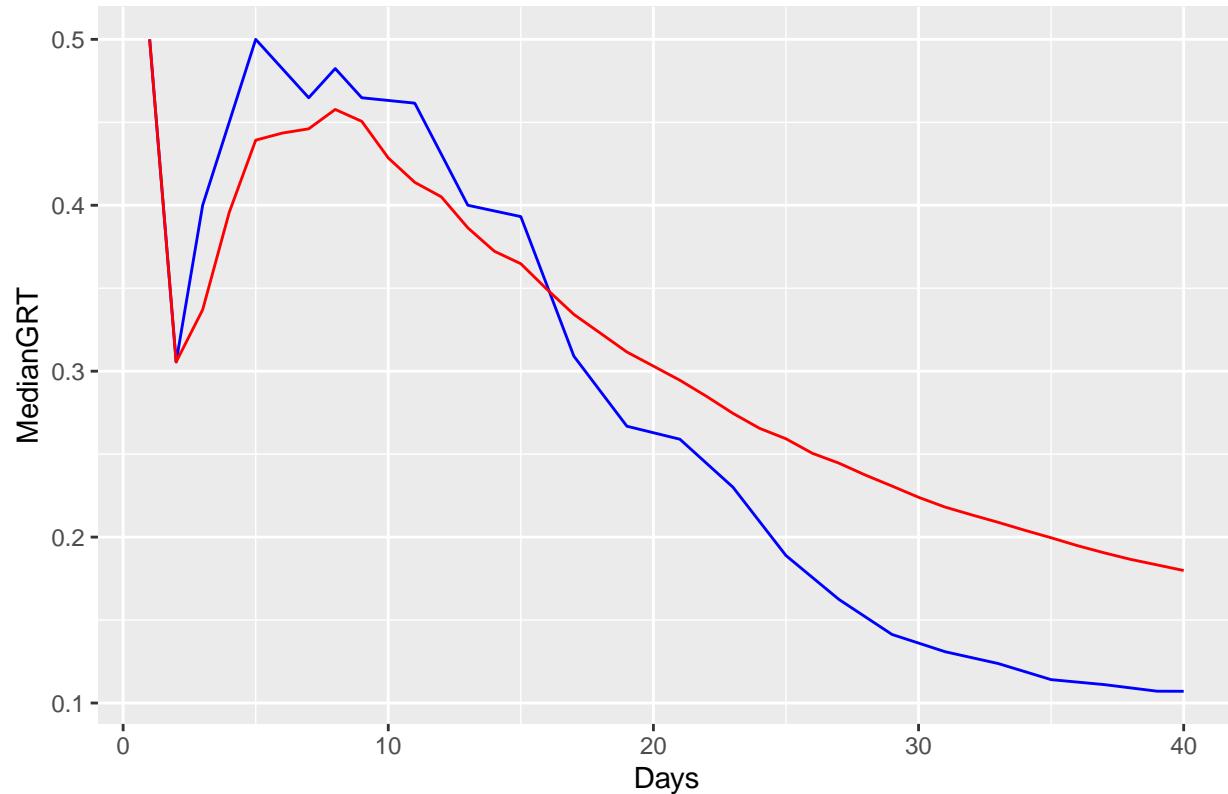
Arizona:newCases(Orange)



Arizona: TotalDeaths/TotalCases



Arizona Median(BLUE)VsMean(RED) Growth Rate

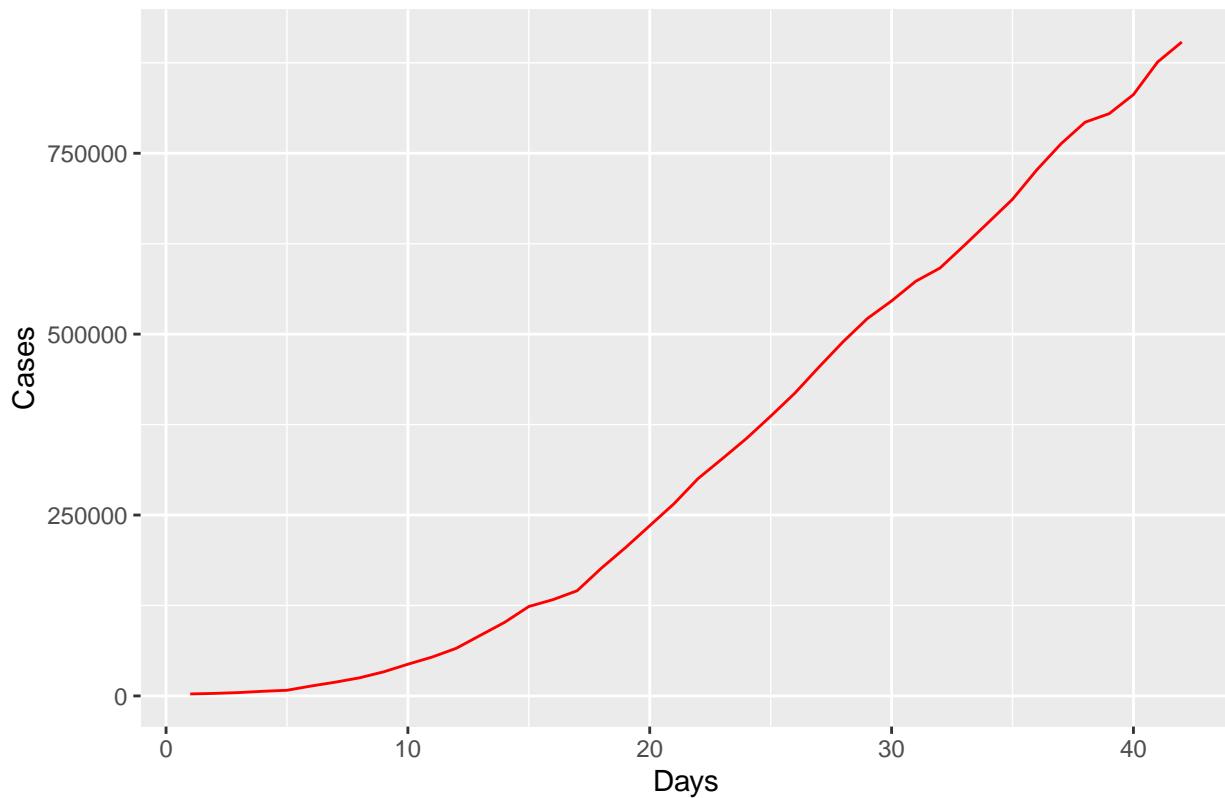


Results:

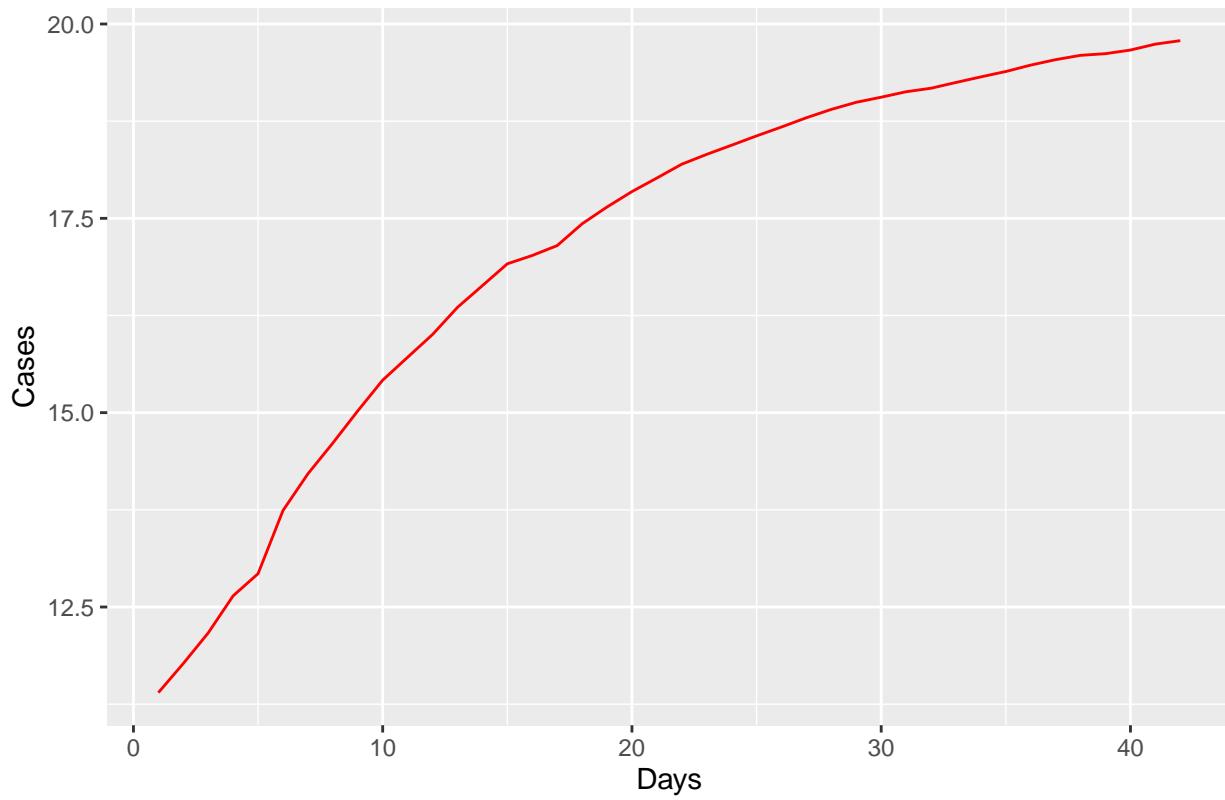
- Tomorrows predicted case number is between **6334.2043682** and **7132.2200711** cases.
- Current doubling rate is **15 days**
- Mean doubling rate, i.e number of cases doubles every **4 days**.
- Median doubling rate, i.e number of cases doubles every **7 days**.
- Latest Observed Growth Rate **4.7841914** percent.
- Mean Growth Rate: **17.9854437** percent.
- Median Growth Rate: **10.7062708** percent.
- Standard deviation: +/- **17.5629499**.

US Corona Dashboard

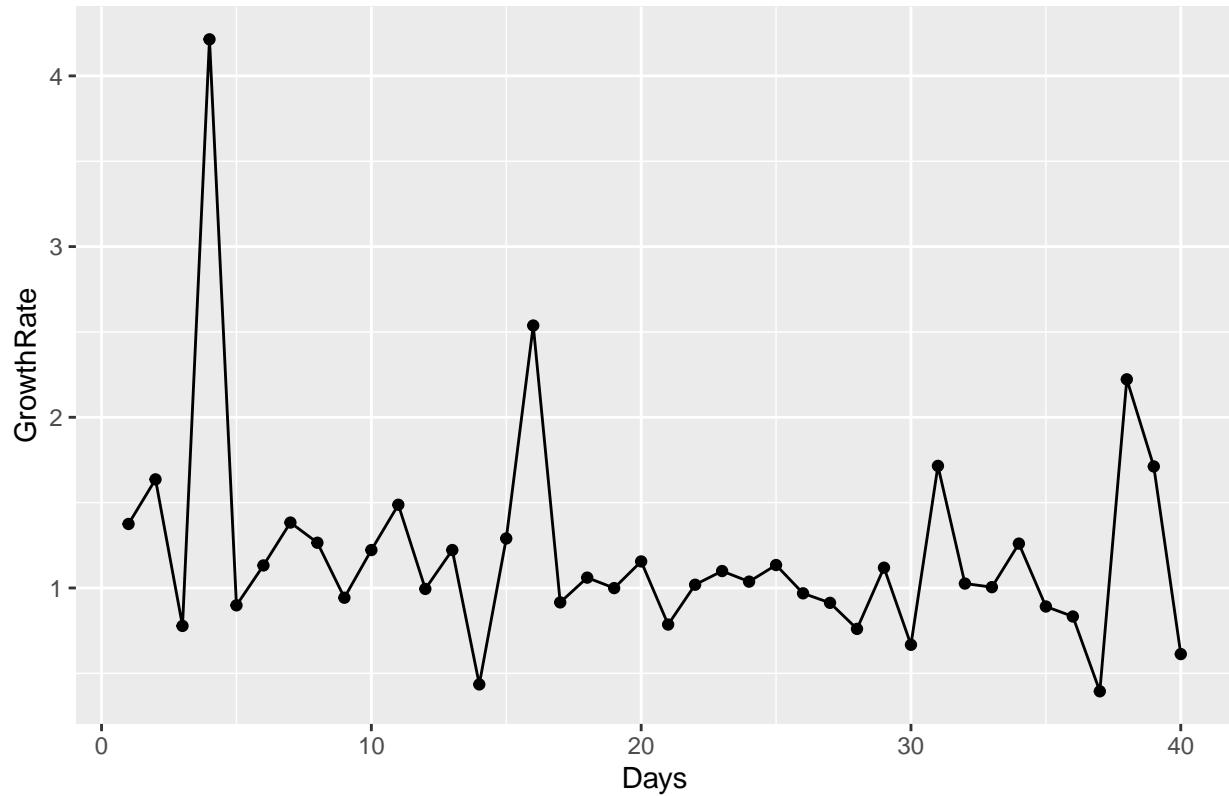
US: Daily Cases



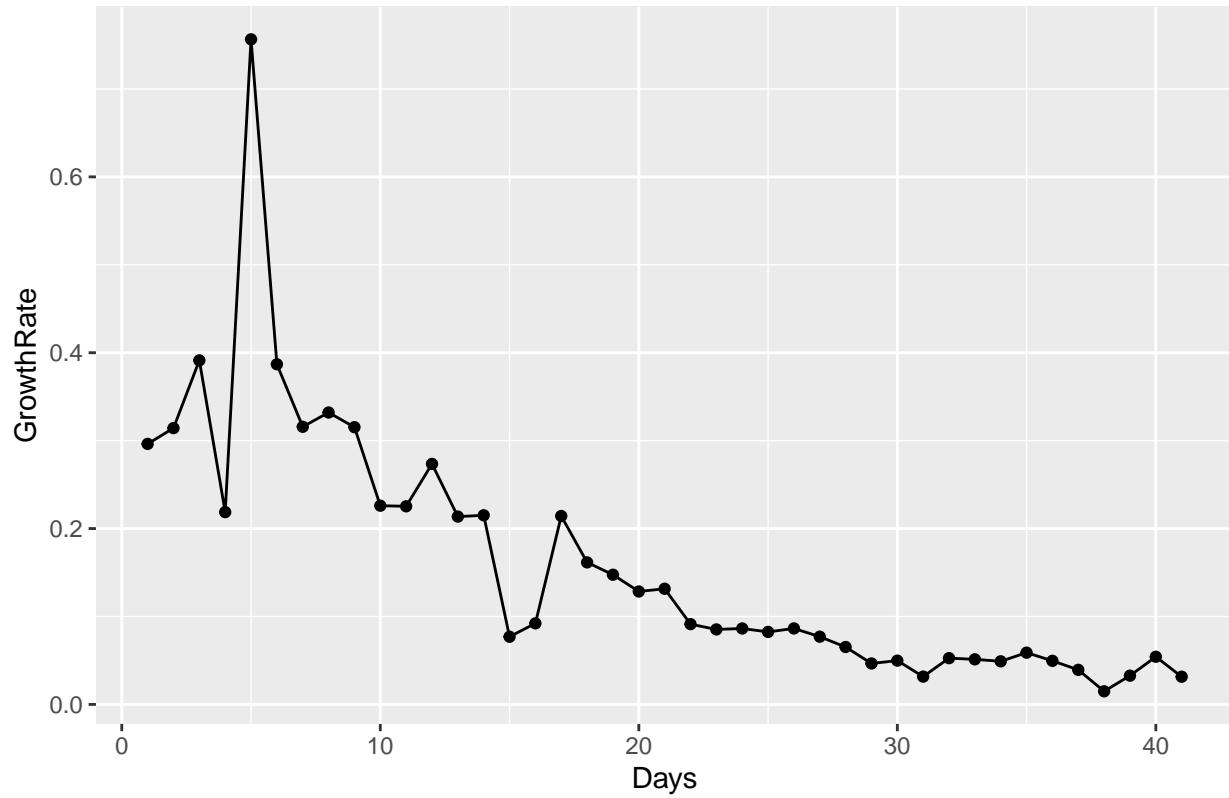
US: Daily Cases



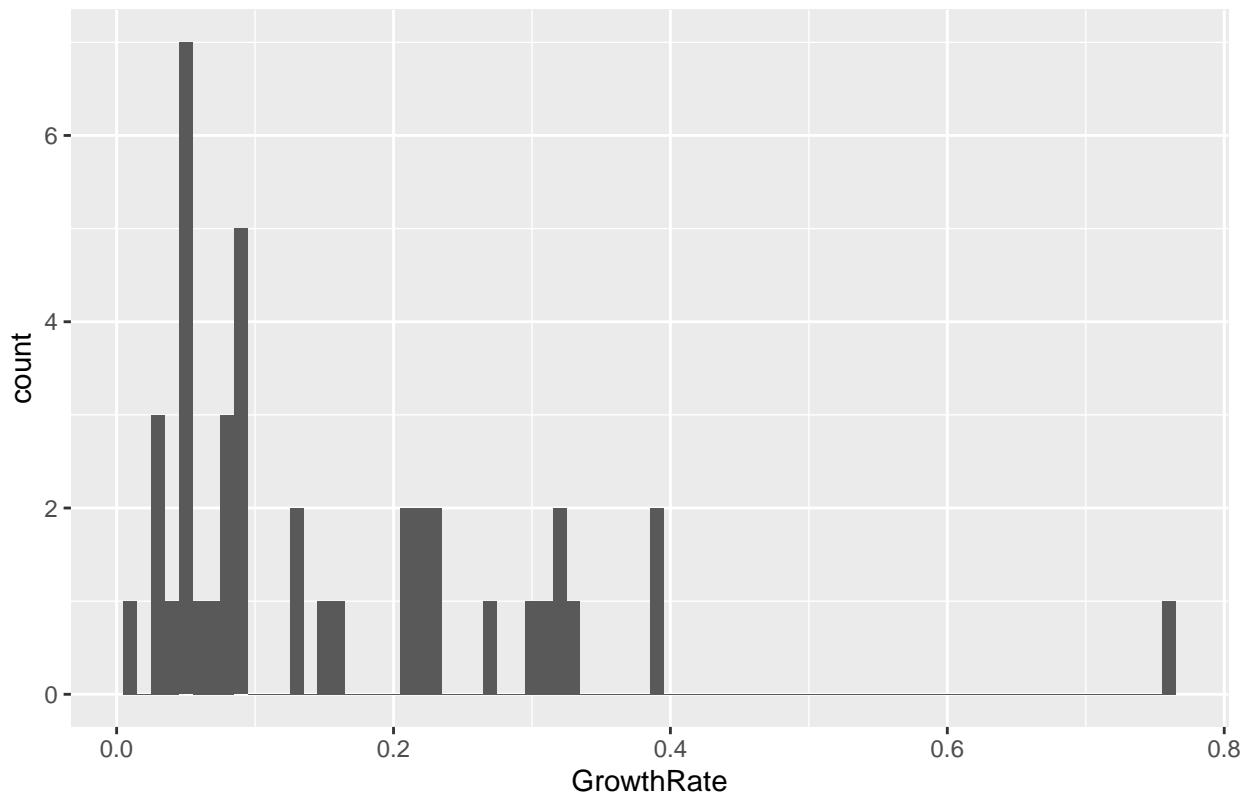
US: Rate of change in Growth Rate



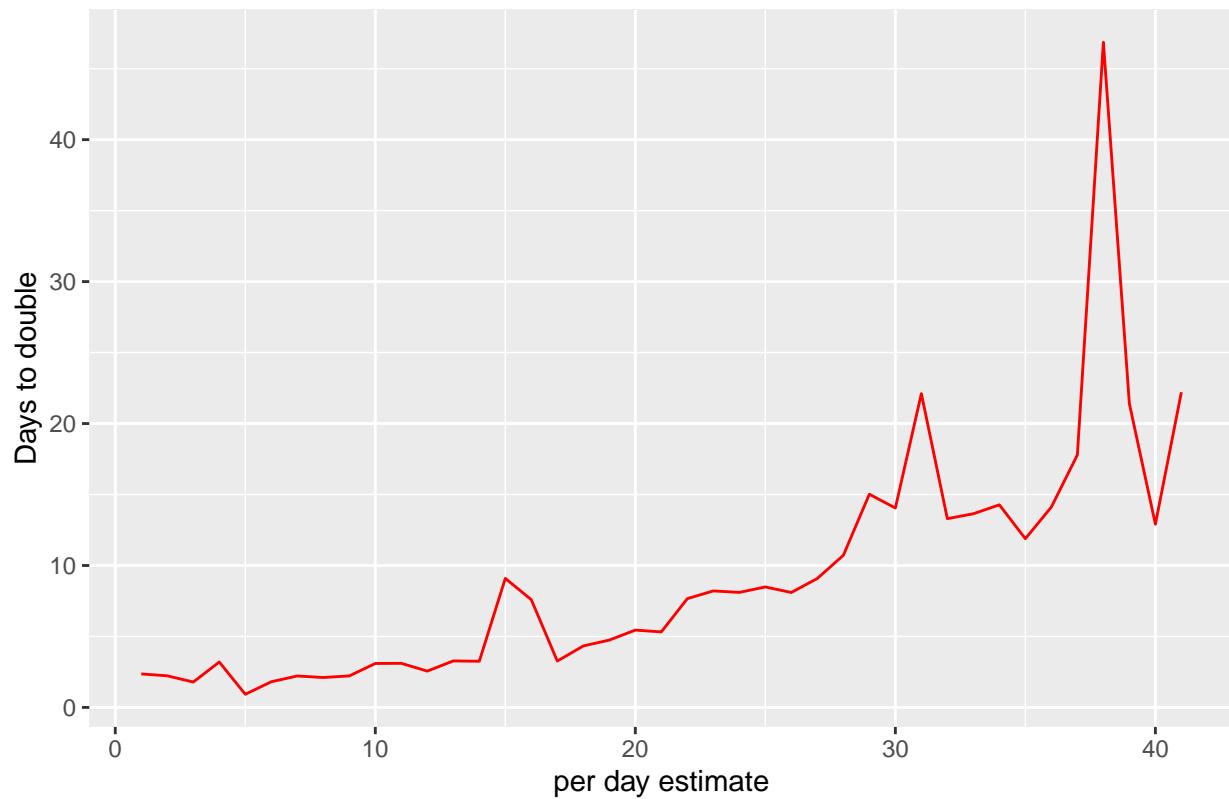
US: Growth Rate



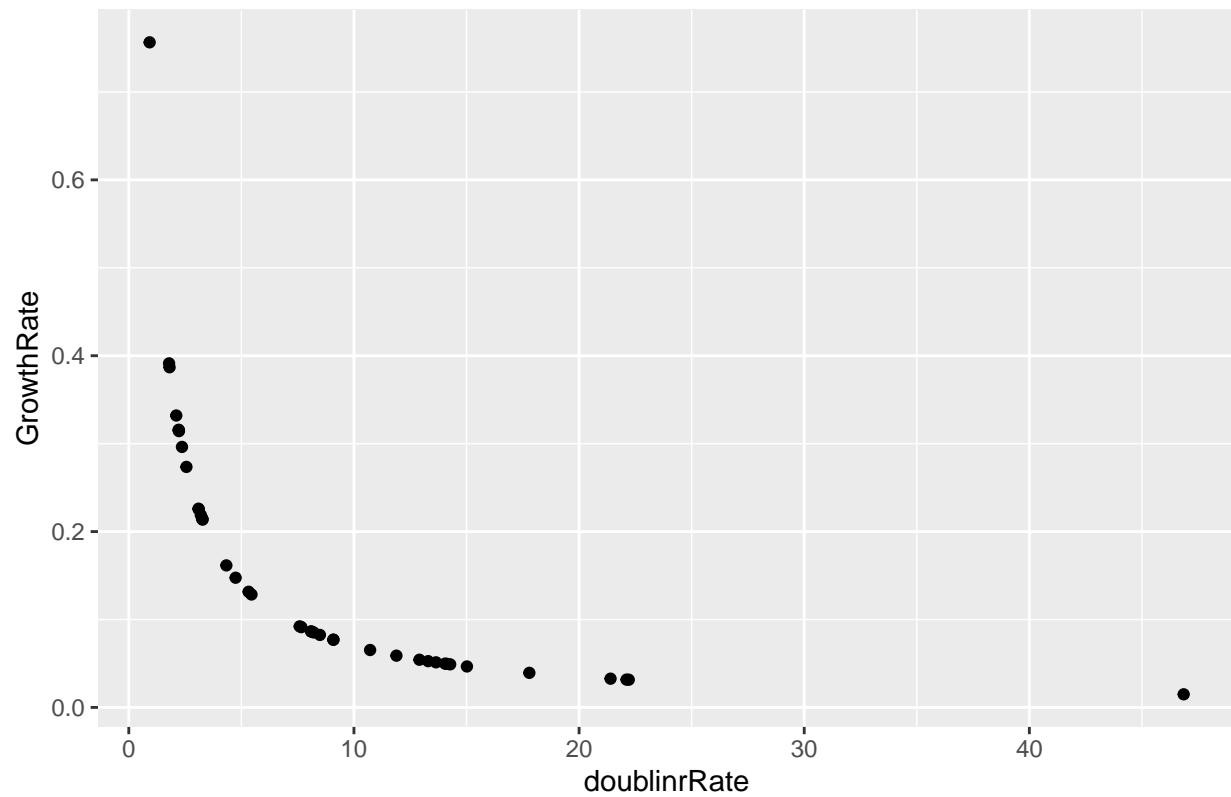
Histogram of GrowthRate



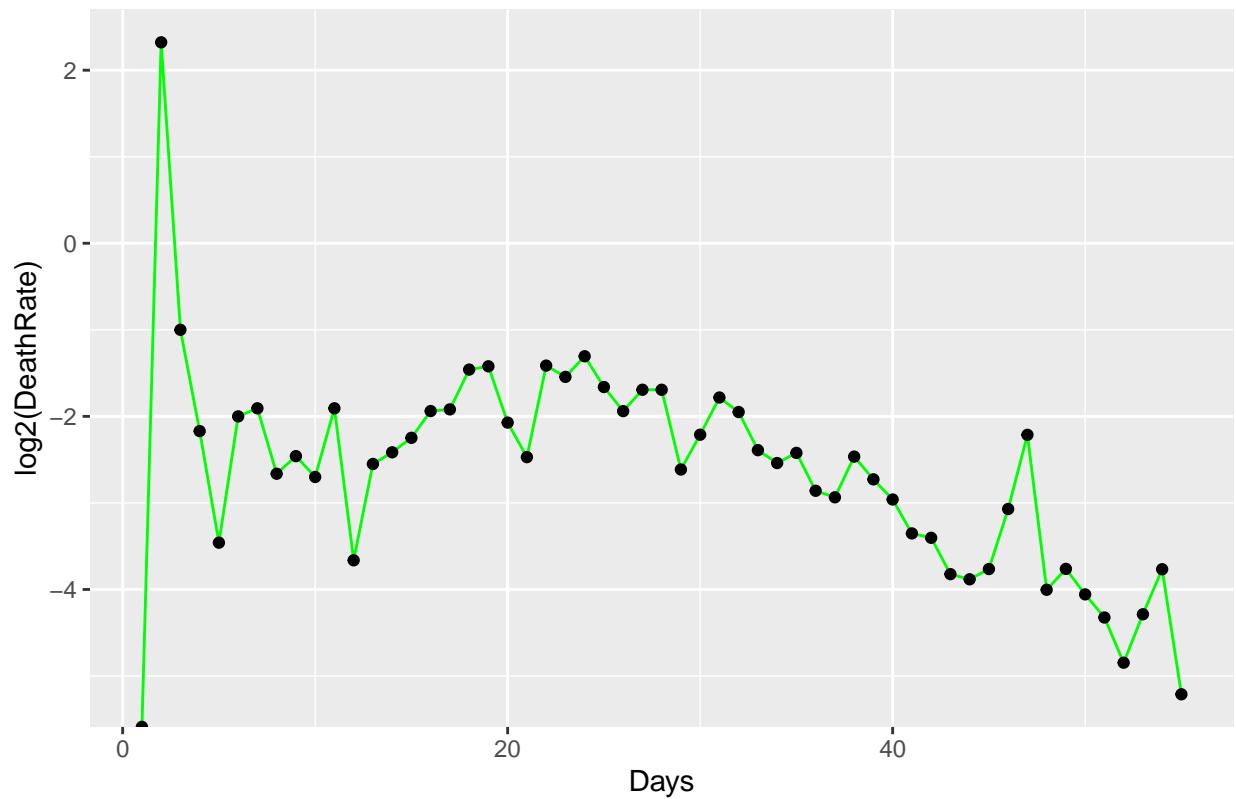
Doubling Rate in days



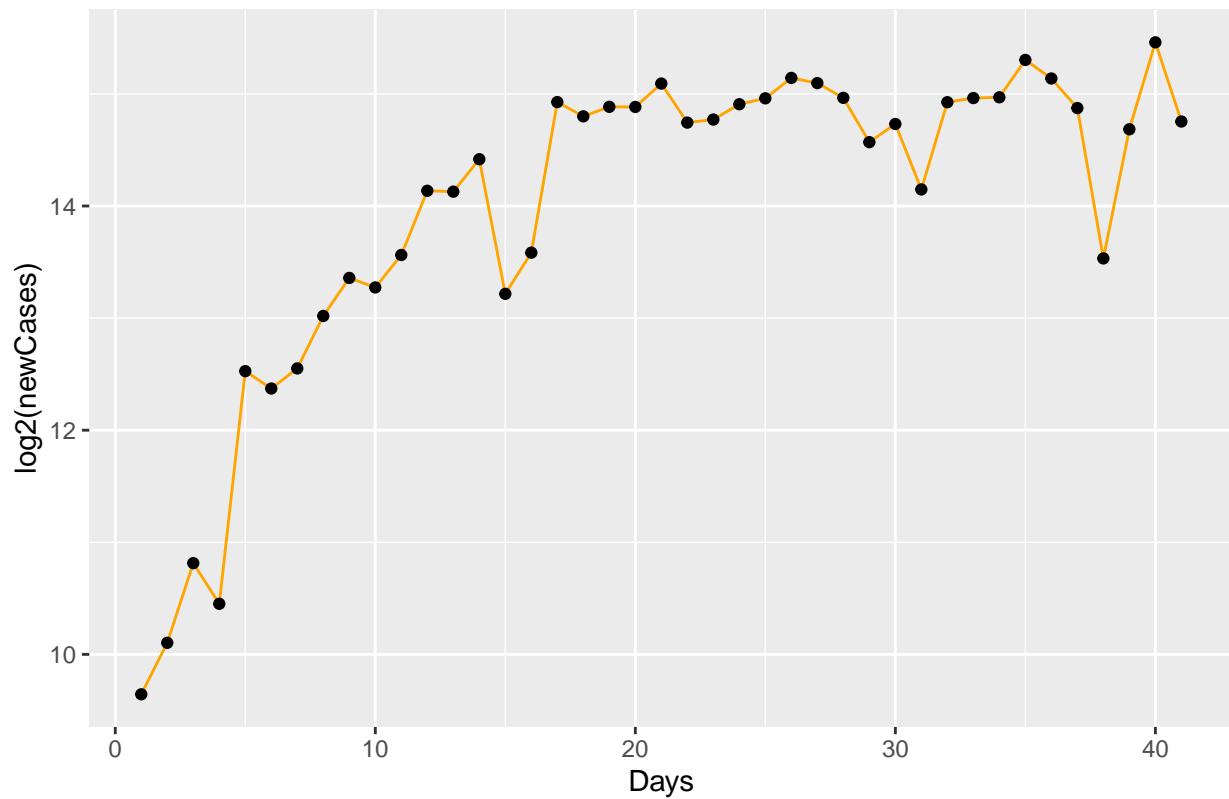
Doubling Rate vs Growth Rate



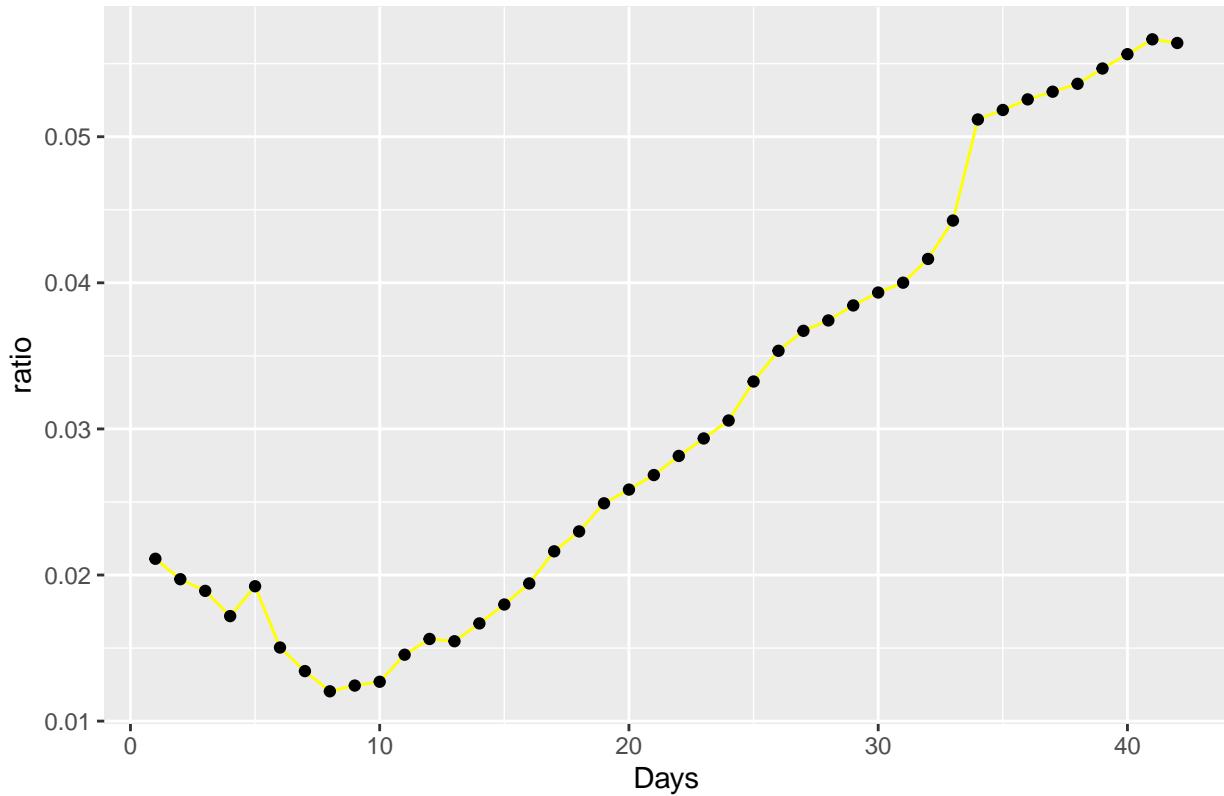
US: Daily Death Rate



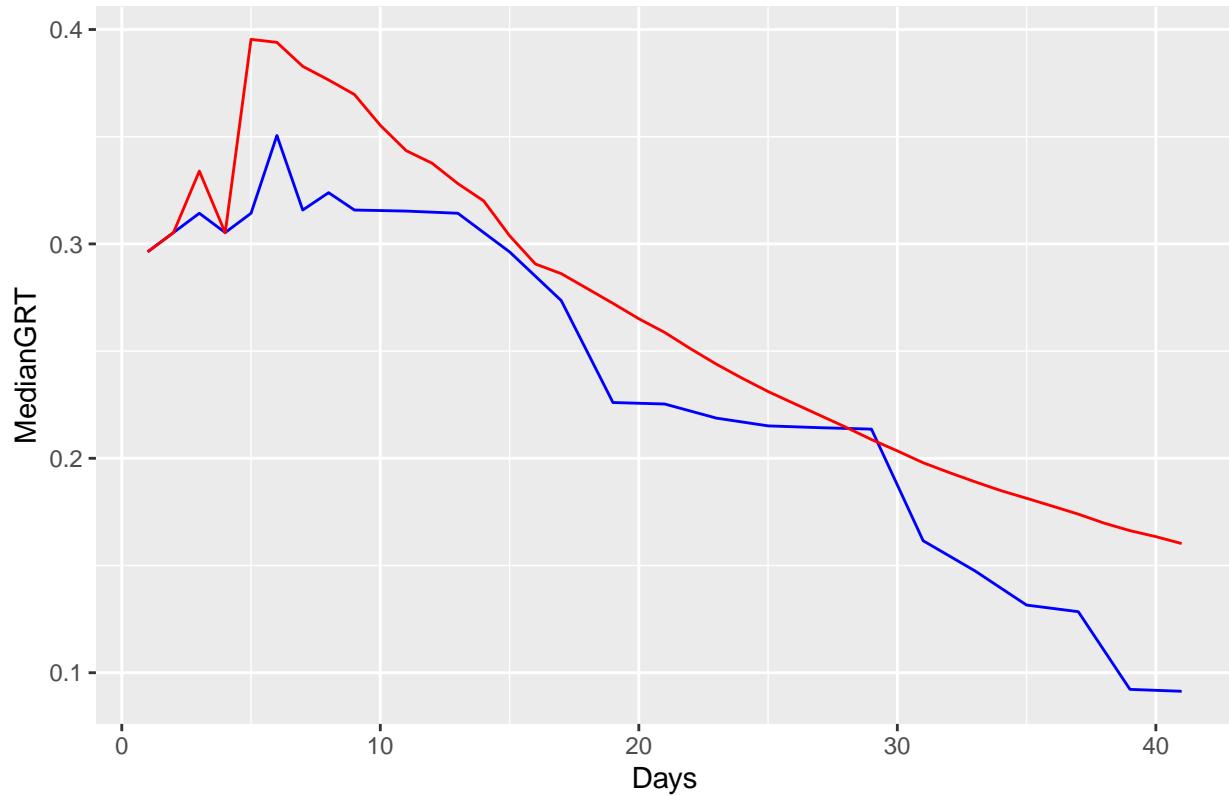
US:newCases(Orange)



US: TotalDeaths/TotalCases



US Median(BLUE)VsMean(RED) Growth Rate

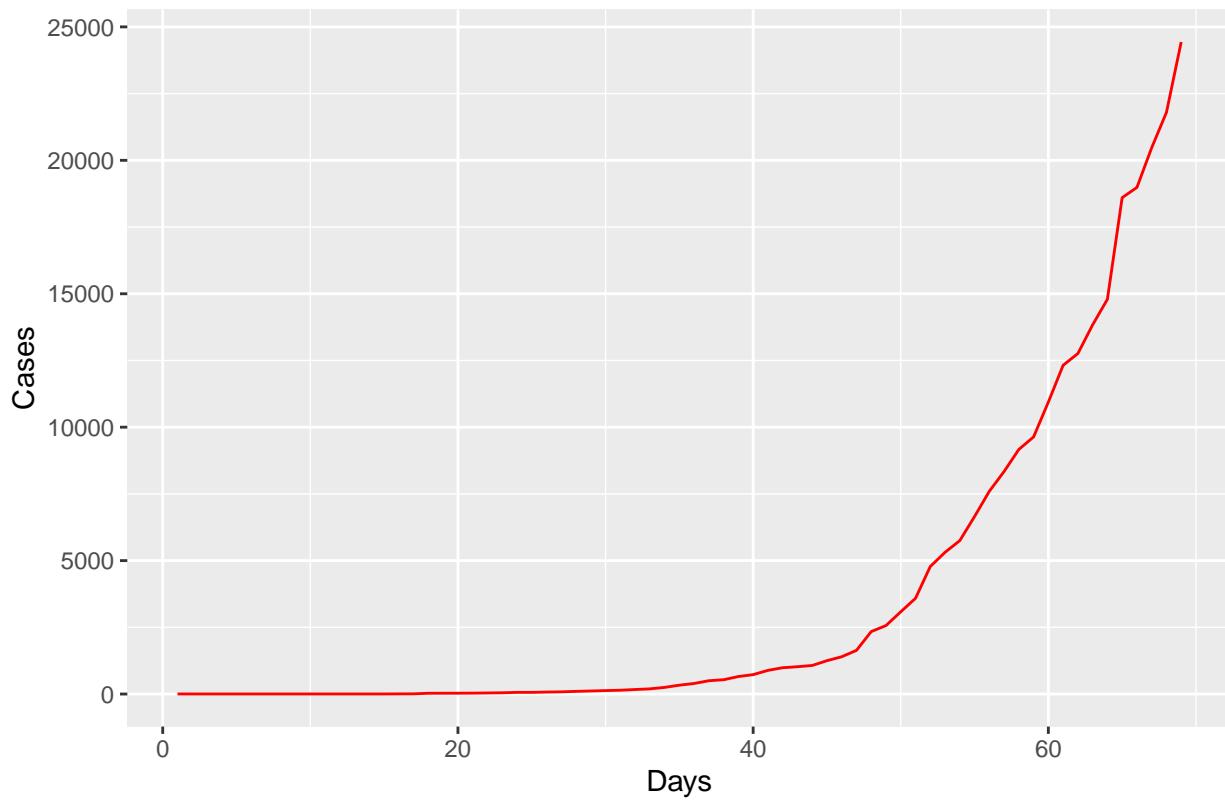


Results:

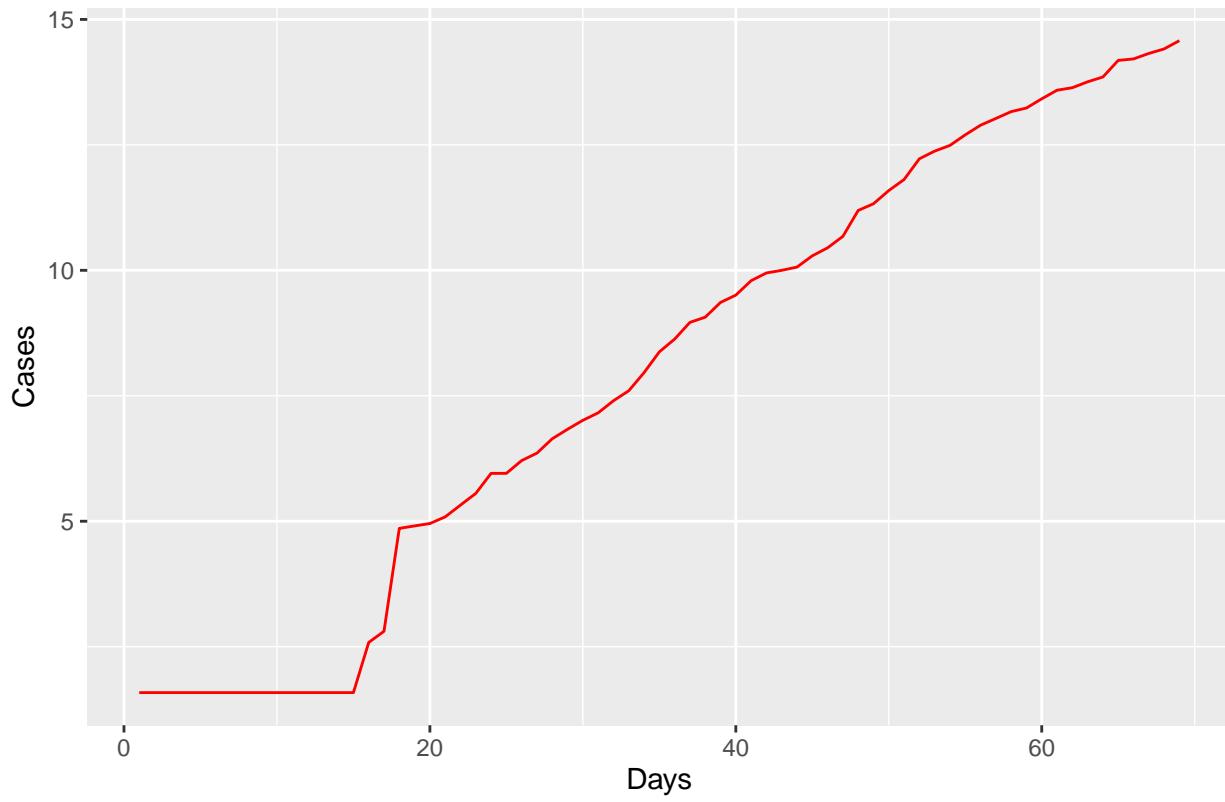
- Tomorrows predicted case number is between 9.3226463×10^5 and 1.048595×10^6 cases.
- Current doubling rate is **22 days**
- Mean doubling rate, i.e number of cases doubles every **4 days**.
- Median doubling rate, i.e number of cases doubles every **8 days**.
- Latest Observed Growth Rate **3.1522925** percent.
- Mean Growth Rate: **16.0238989** percent.
- Median Growth Rate: **9.1331816** percent.
- Standard deviation: +/- **14.5801347**.

India Corona Dashboard

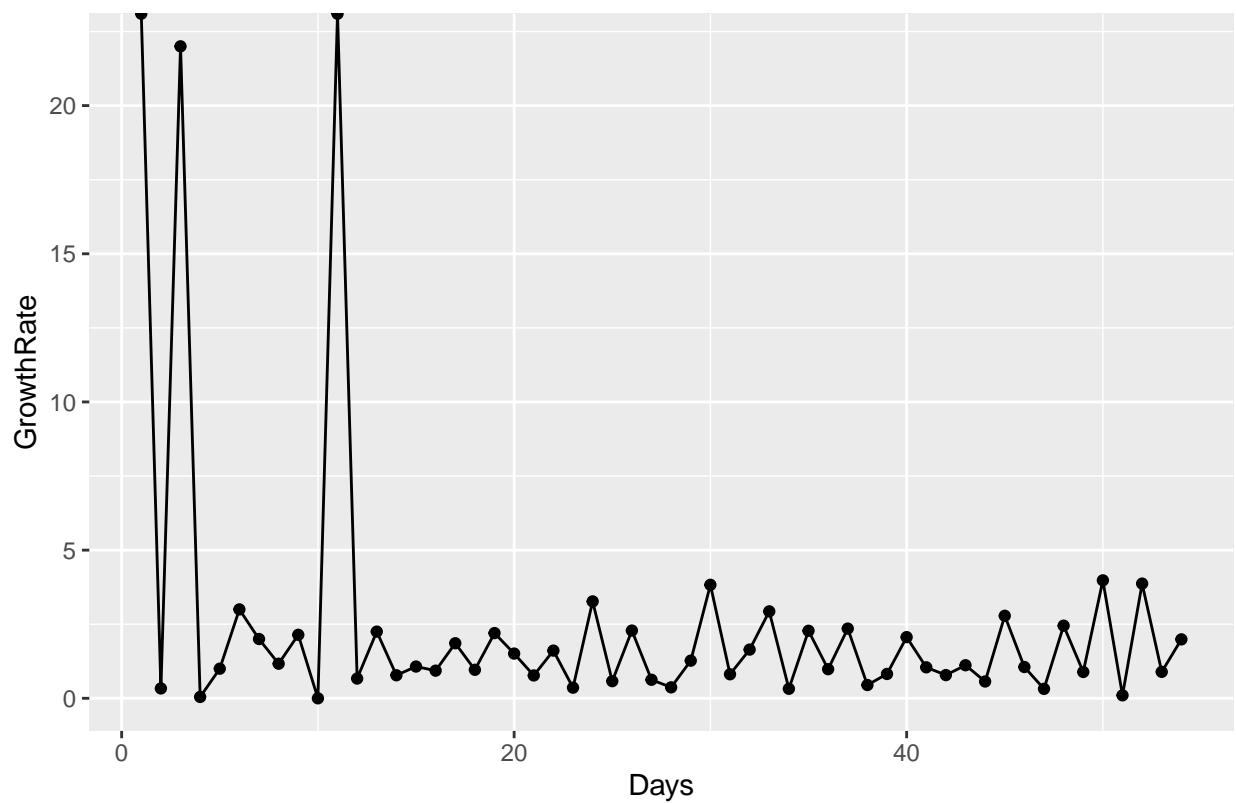
India: Daily Cases



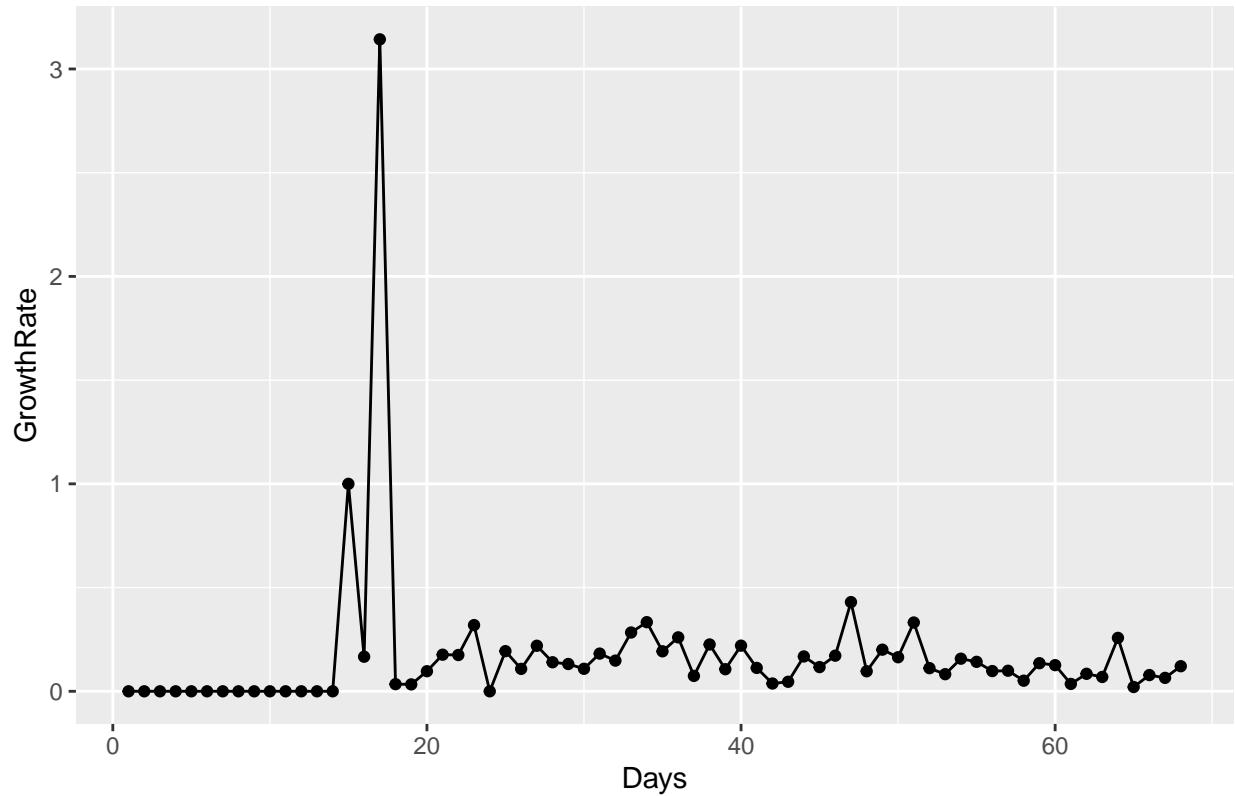
India: Daily Cases



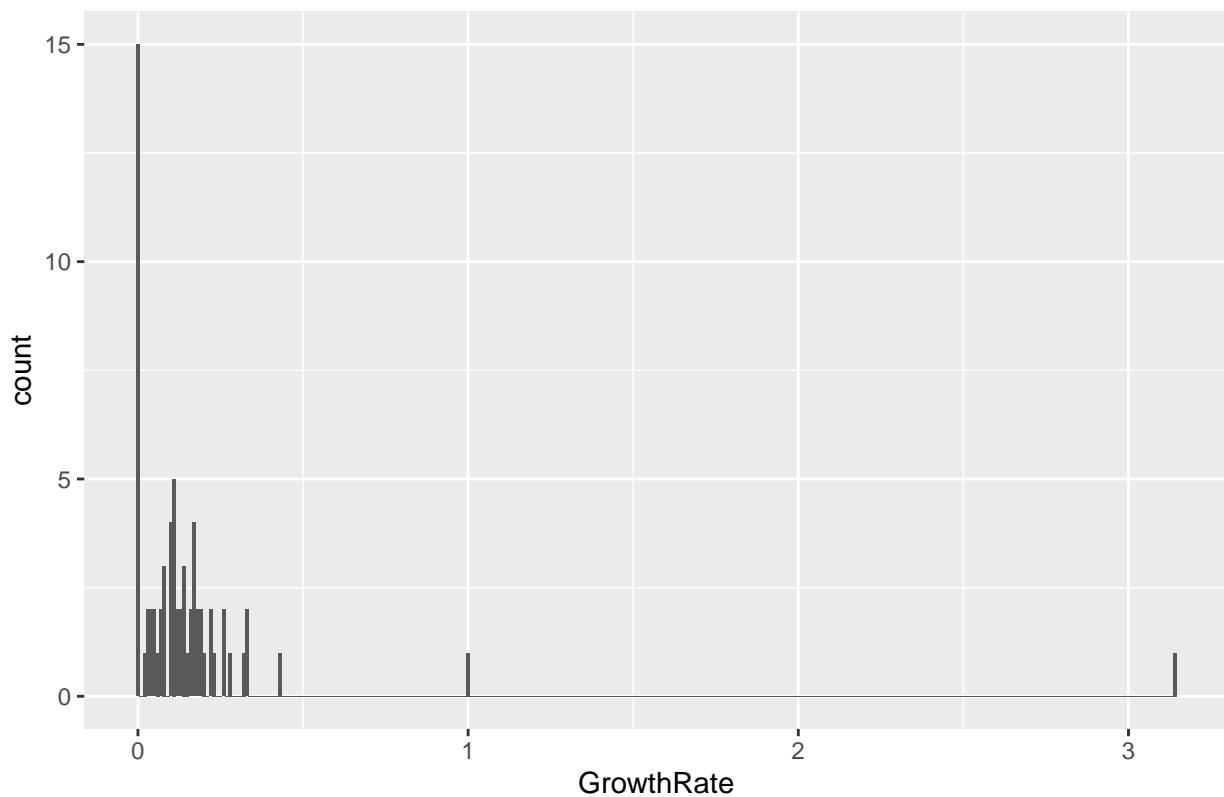
US: Rate of change in Growth Rate



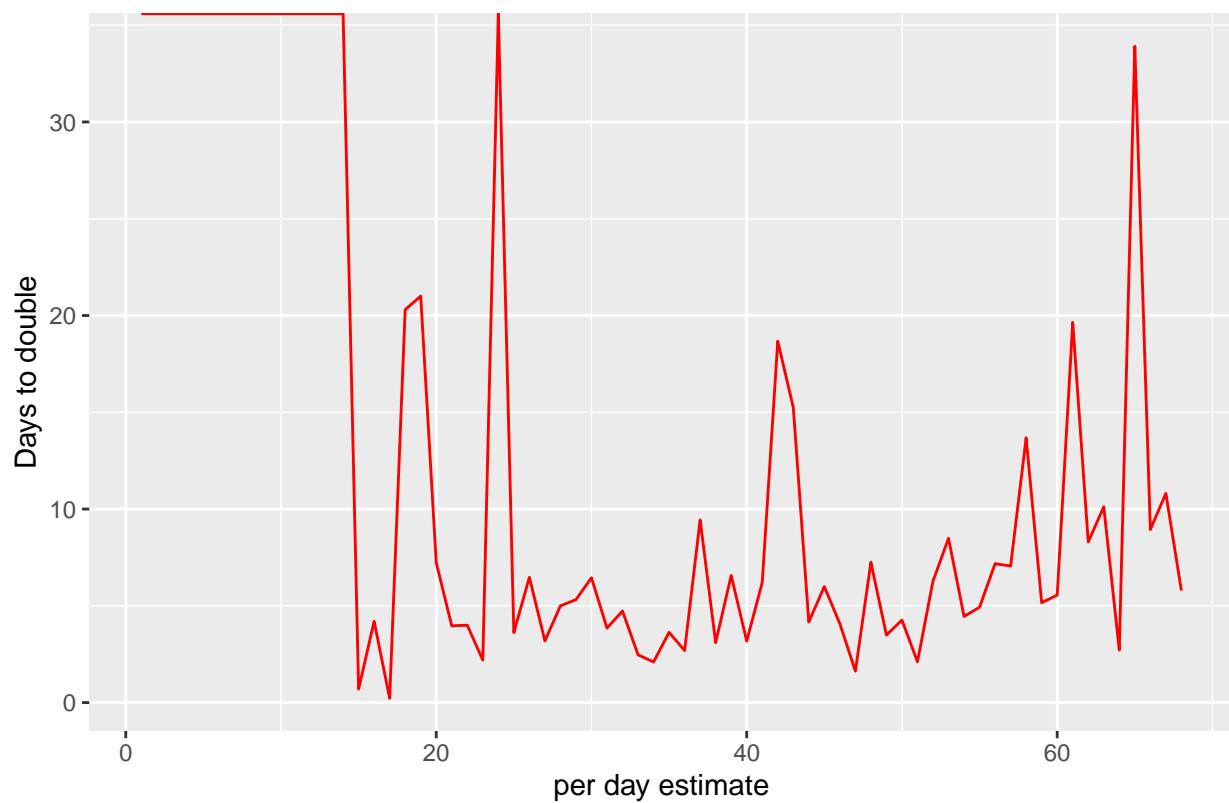
India: Growth Rate



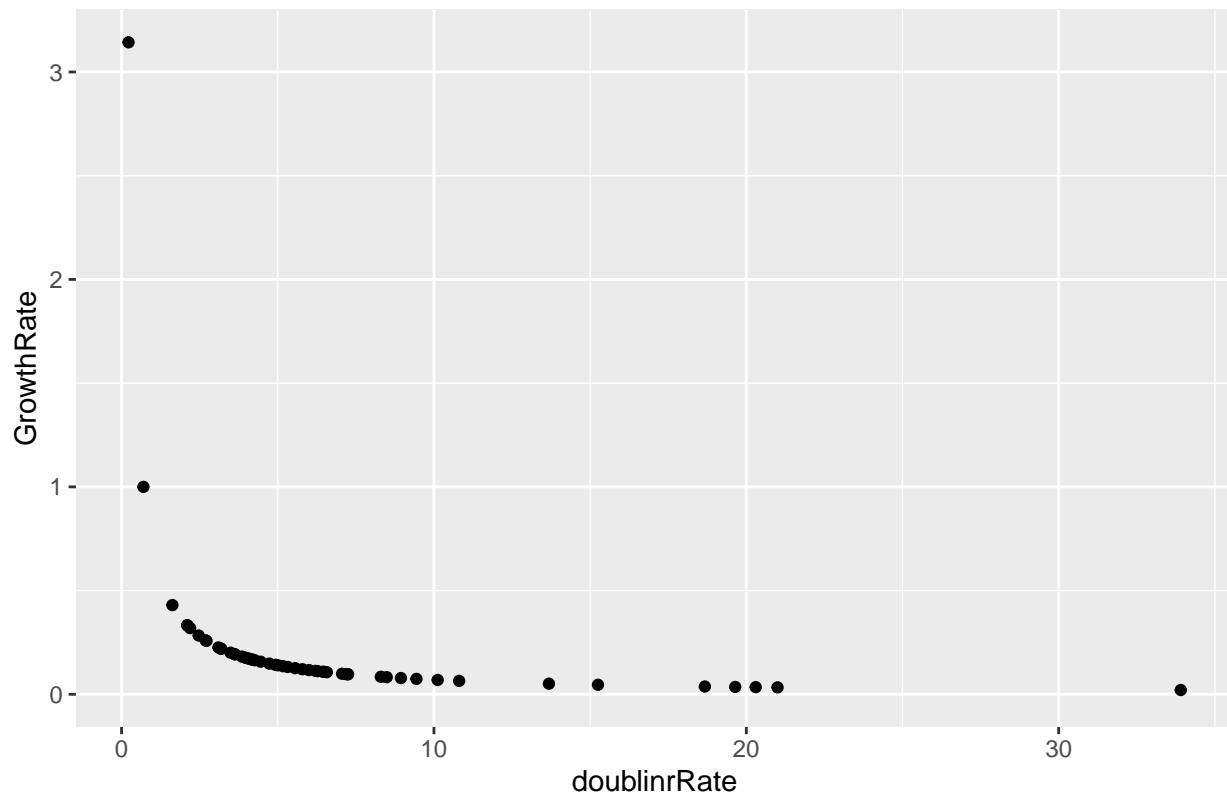
Histogram of GrowthRate



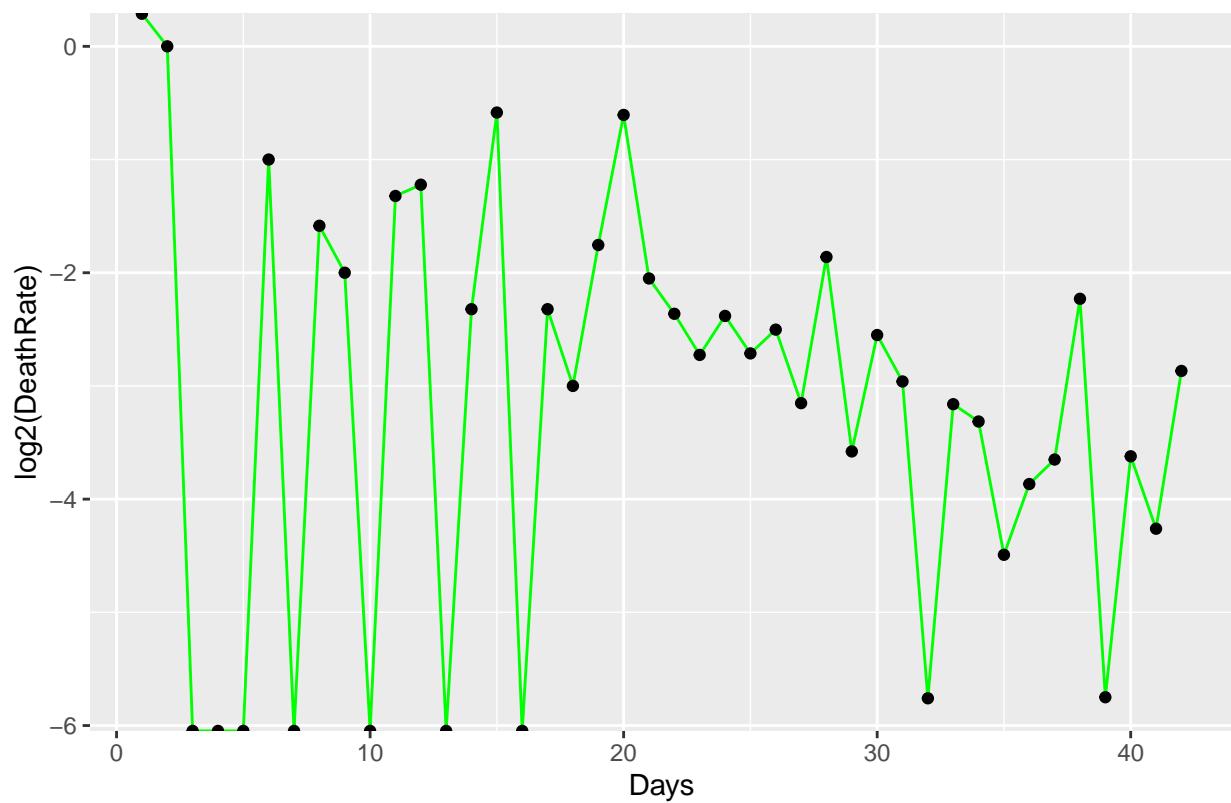
Doubling Rate in days



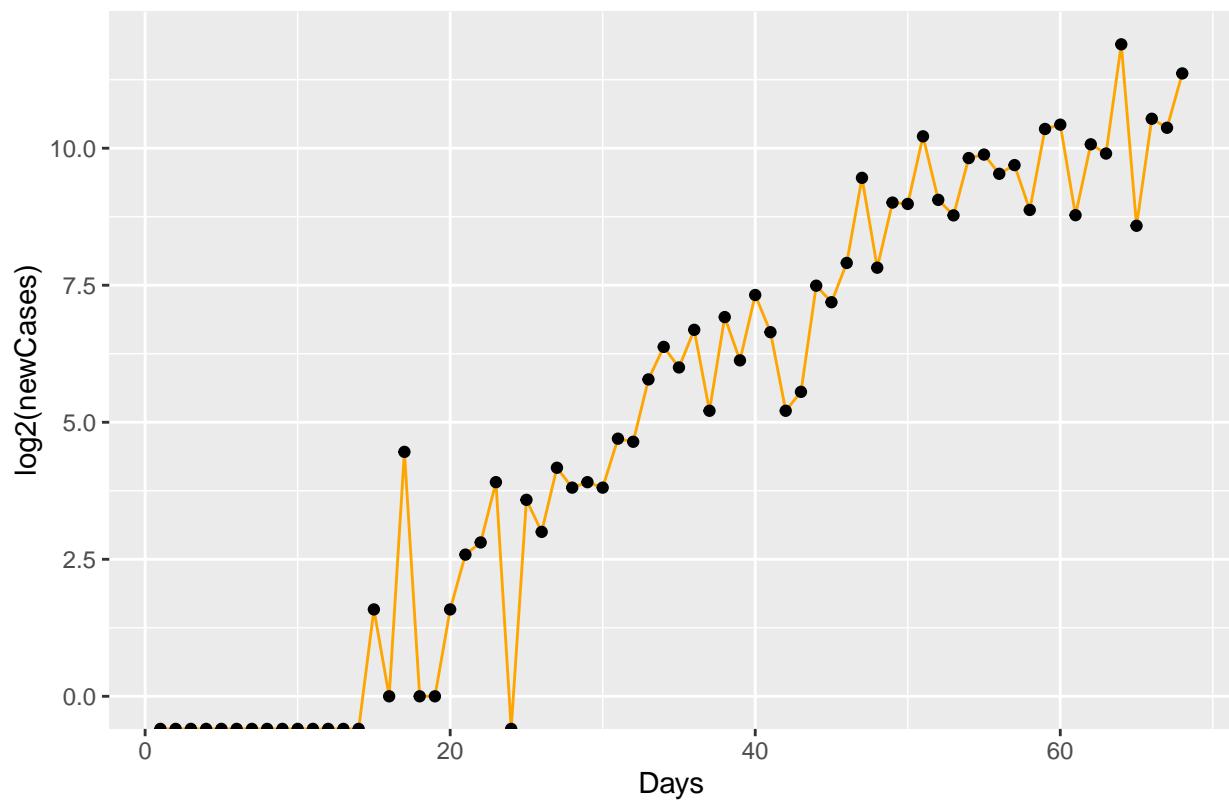
Doubling Rate vs Growth Rate



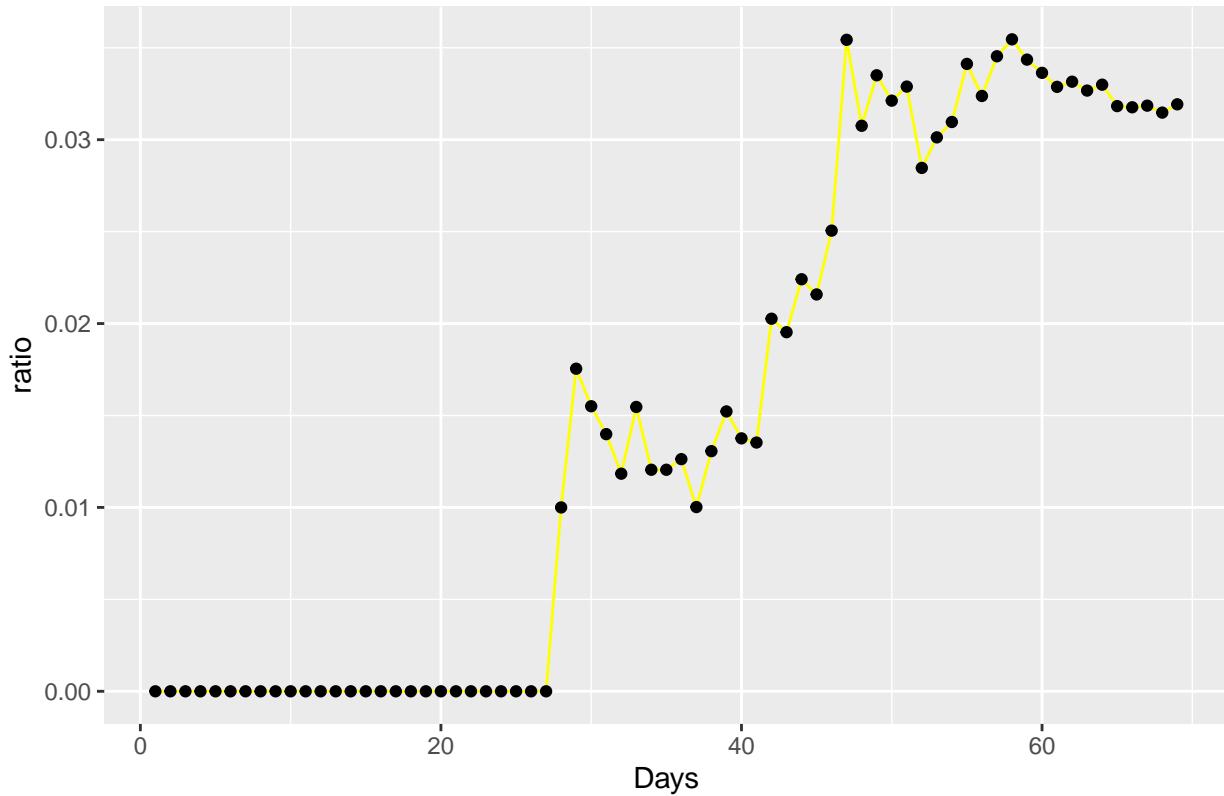
India: Daily Death Rate



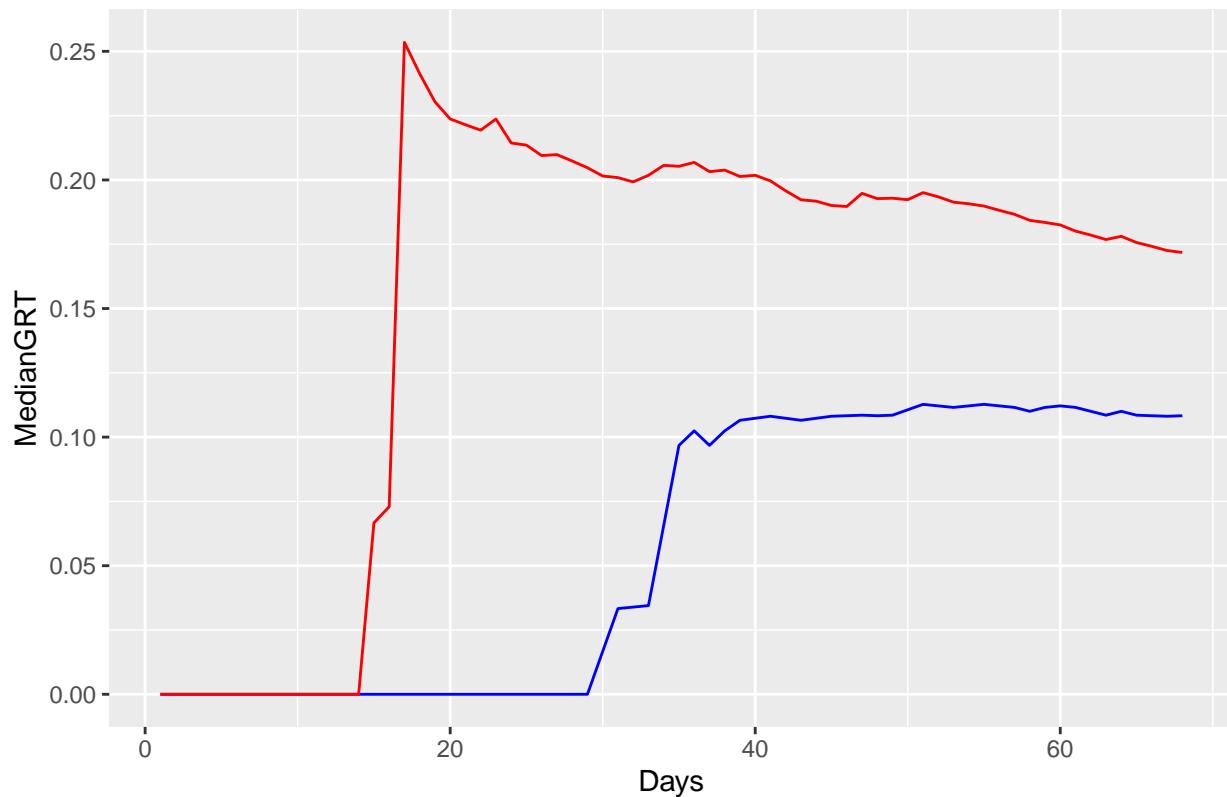
India:newCases(Orange)



India: TotalDeaths/TotalCases



India Median(BLUE)VsMean(RED) Growth Rate



Results:

- Tomorrows predicted case number is between 2.7390024×10^4 and 2.8631552×10^4 cases.
- Current doubling rate is **6 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 **12.0979951** percent.
- Mean Growth Rate: **17.1791434** percent.
- Median Growth Rate: **10.831762** percent.
- Standard deviation: +/- **39.3446277**.