

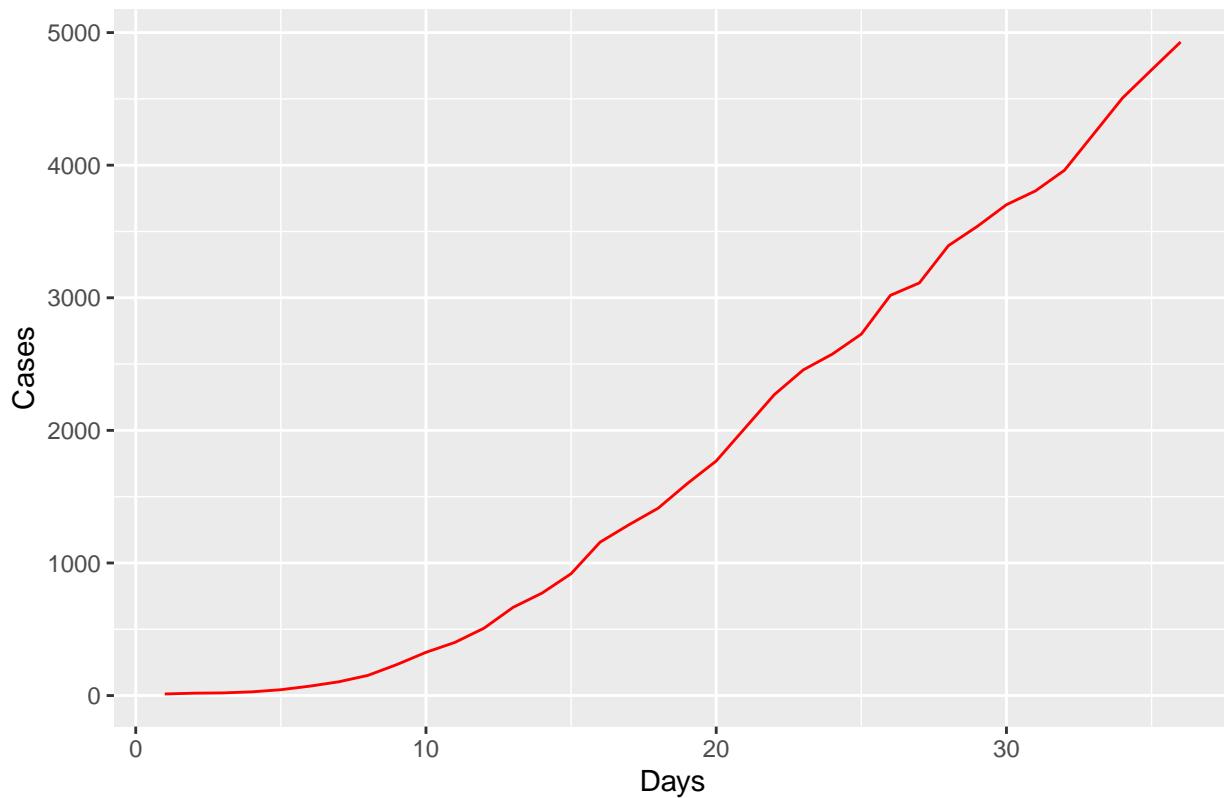
Arizona/US/India Corona Trends- 19th April 2020 with tomorrow's prediction

Whitchurch Muthumani

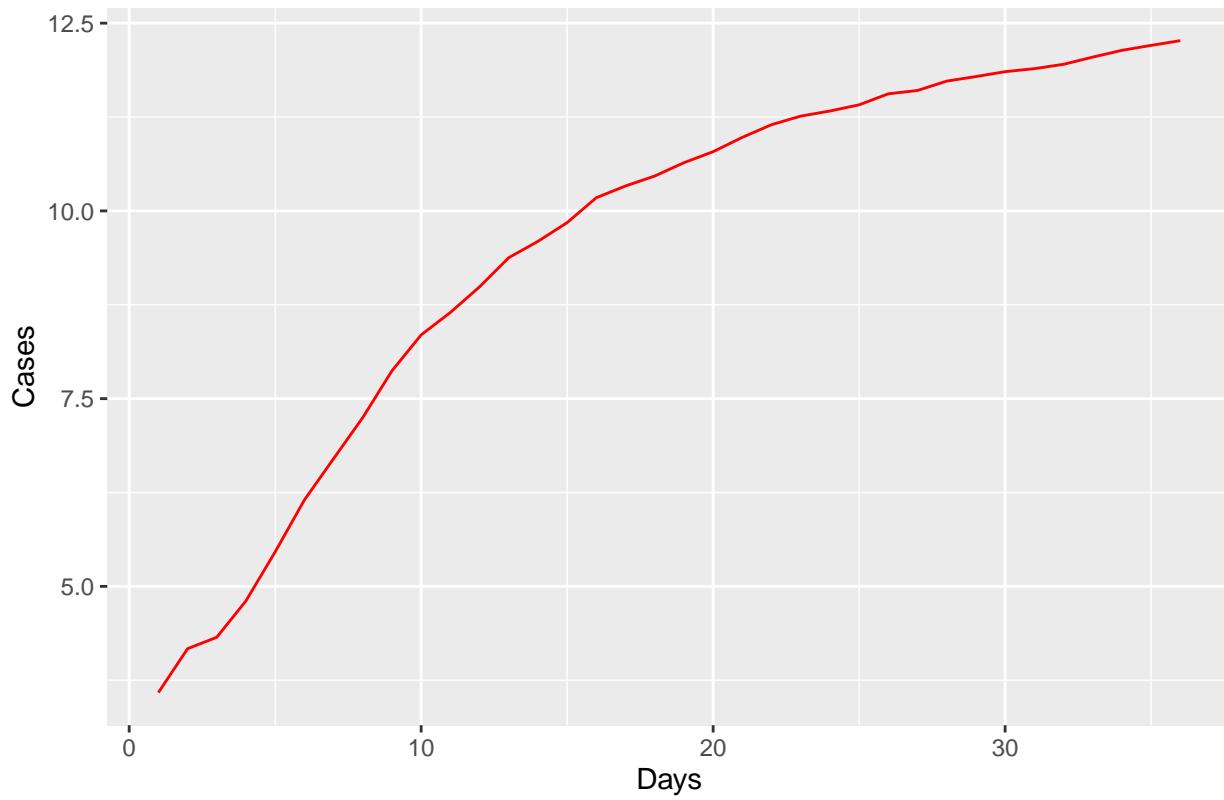
4/19/2020

Arizona Corona Dashboard

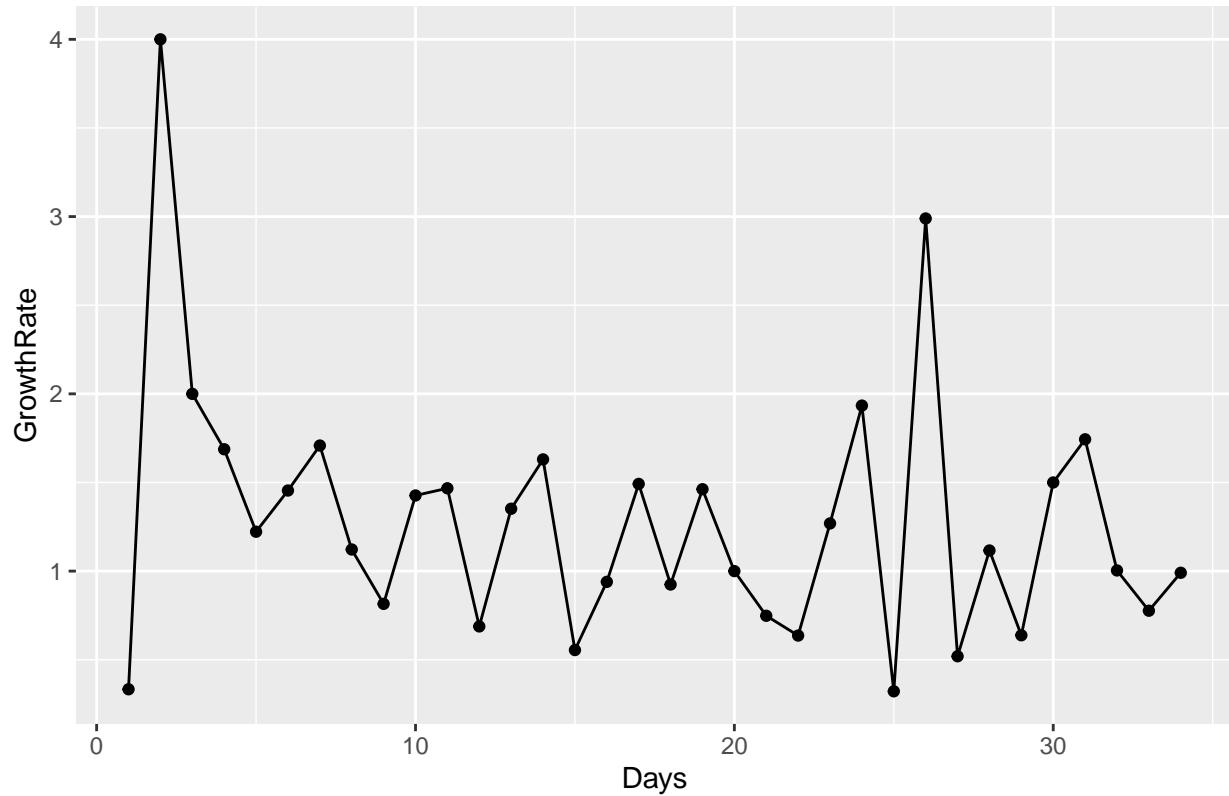
Arizona: Daily Cases



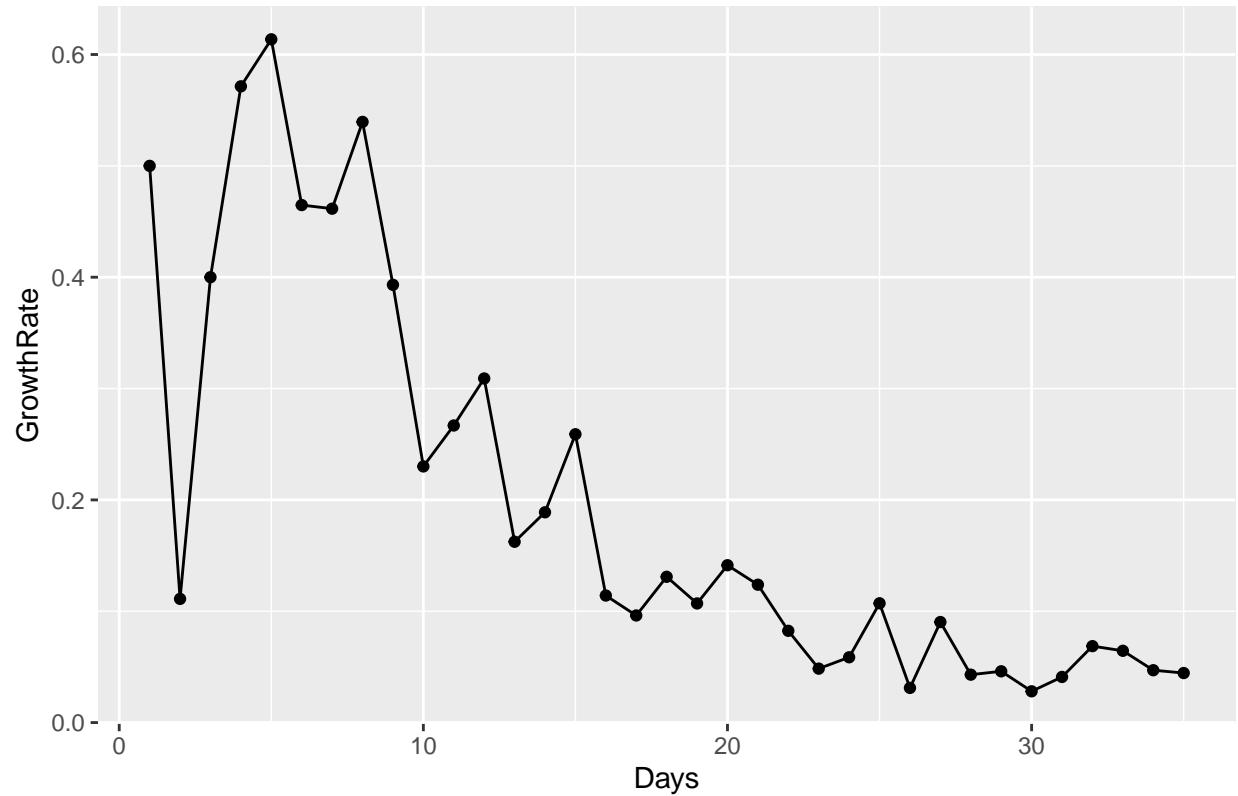
Arizona: Daily Cases



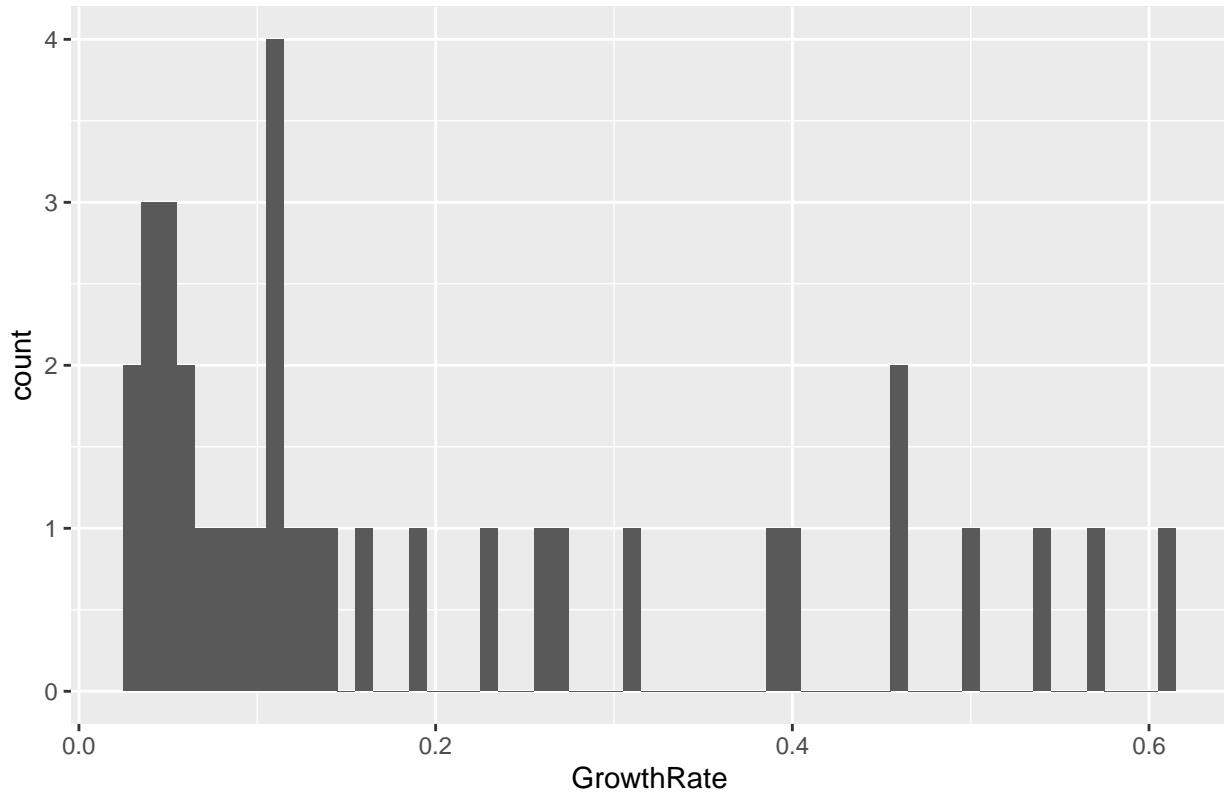
Arizona: Rate of change in Growth Rate



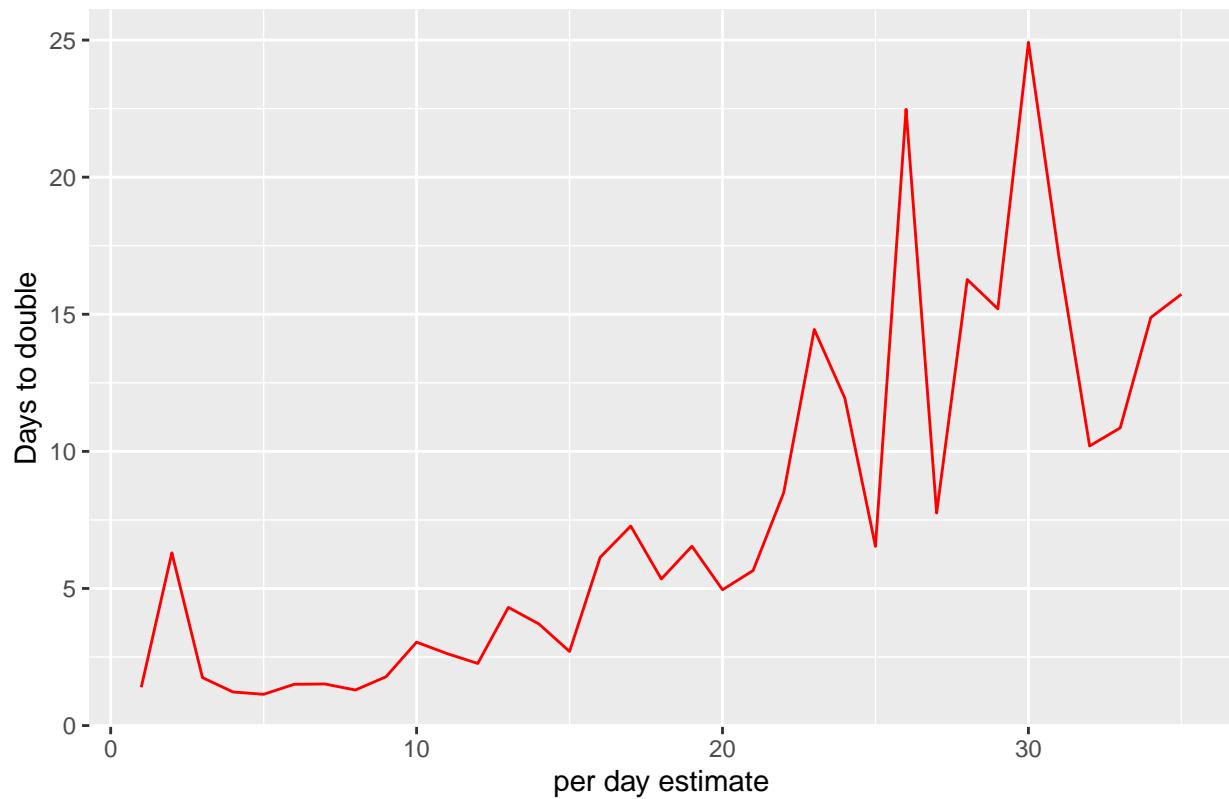
Arizona: Growth Rate



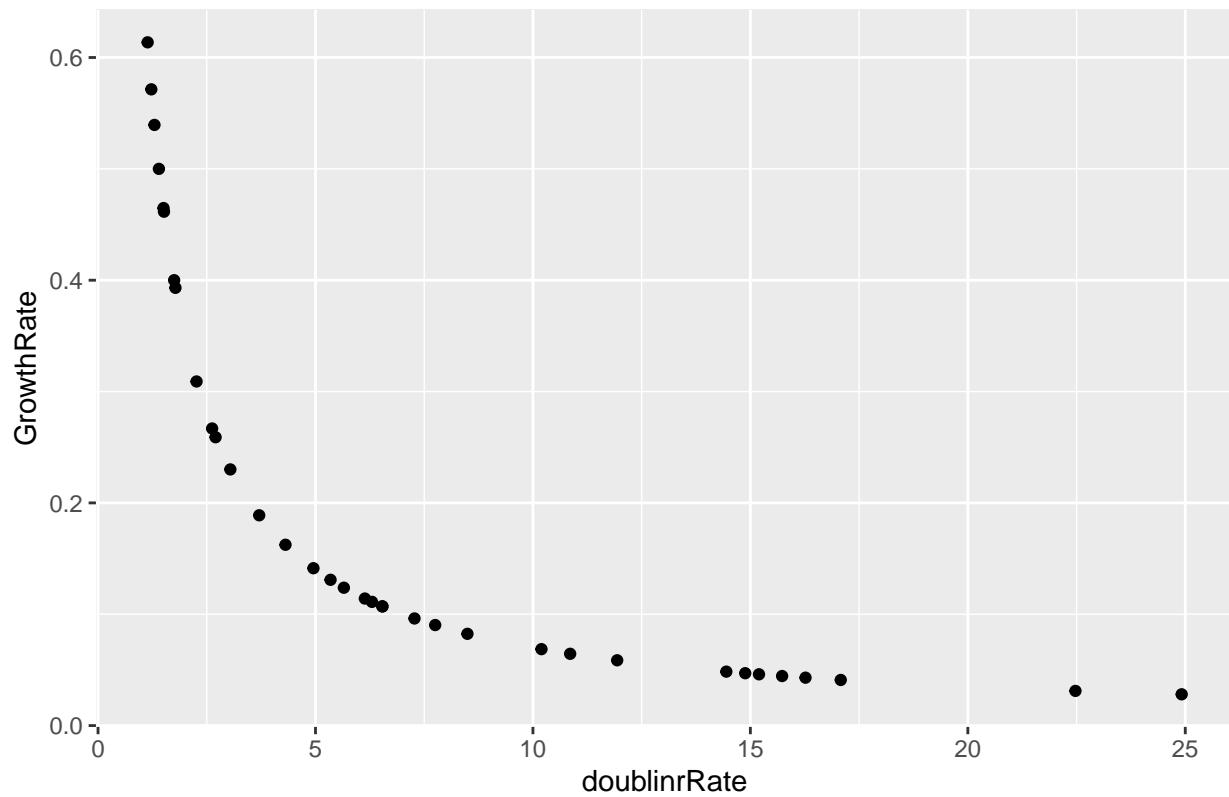
Histogram of GrowthRate



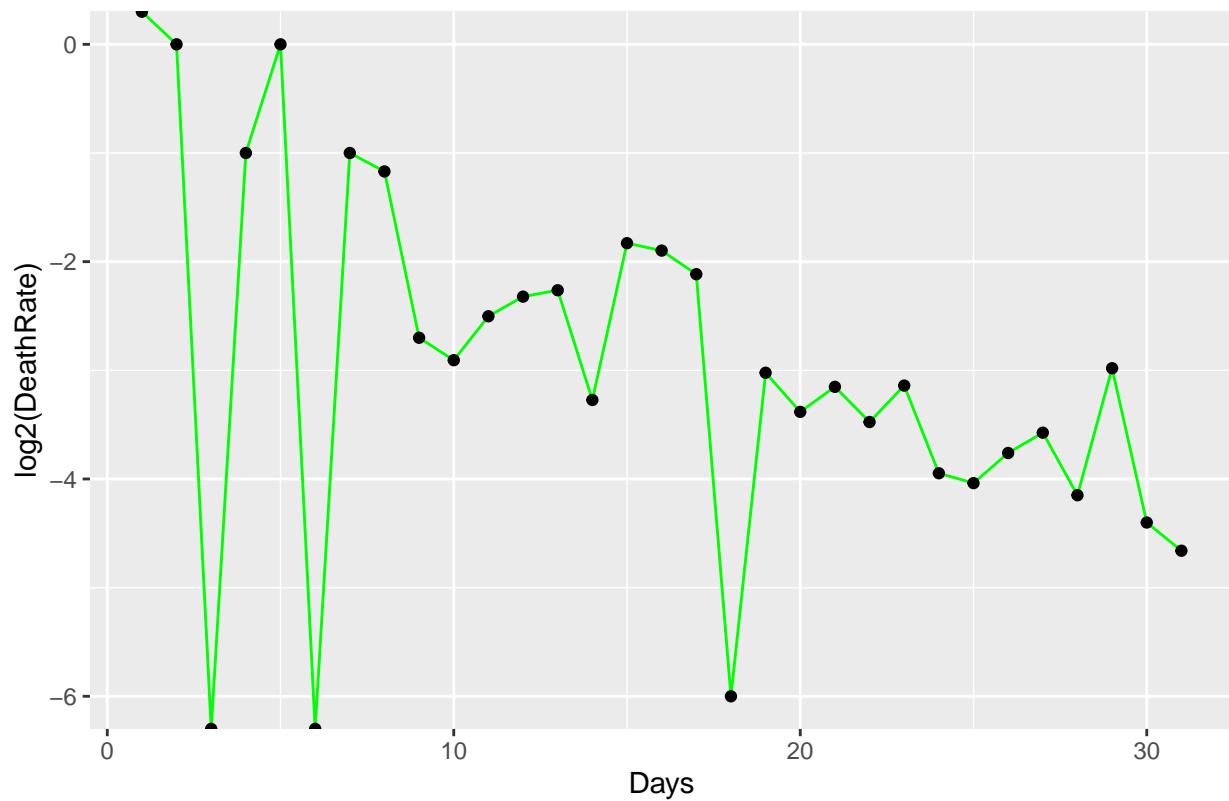
Doubling Rate in days



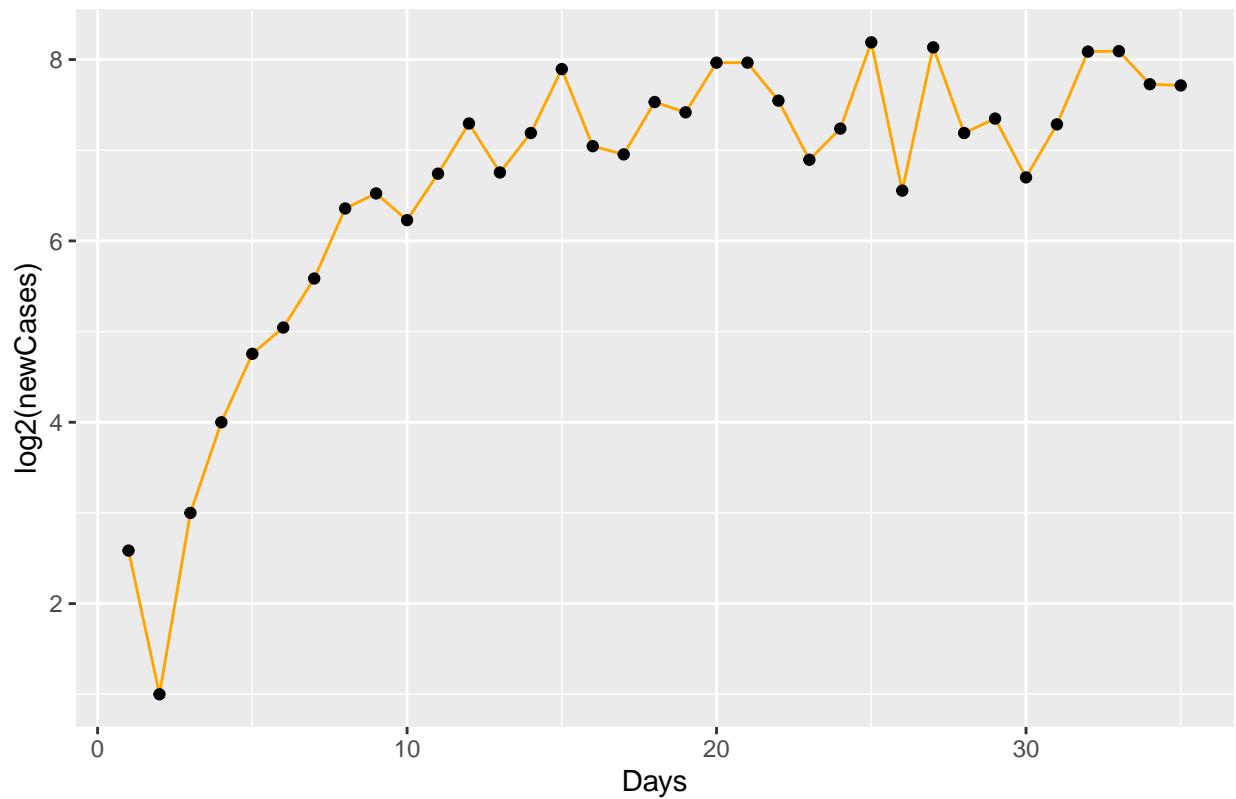
Doubling Rate vs Growth Rate



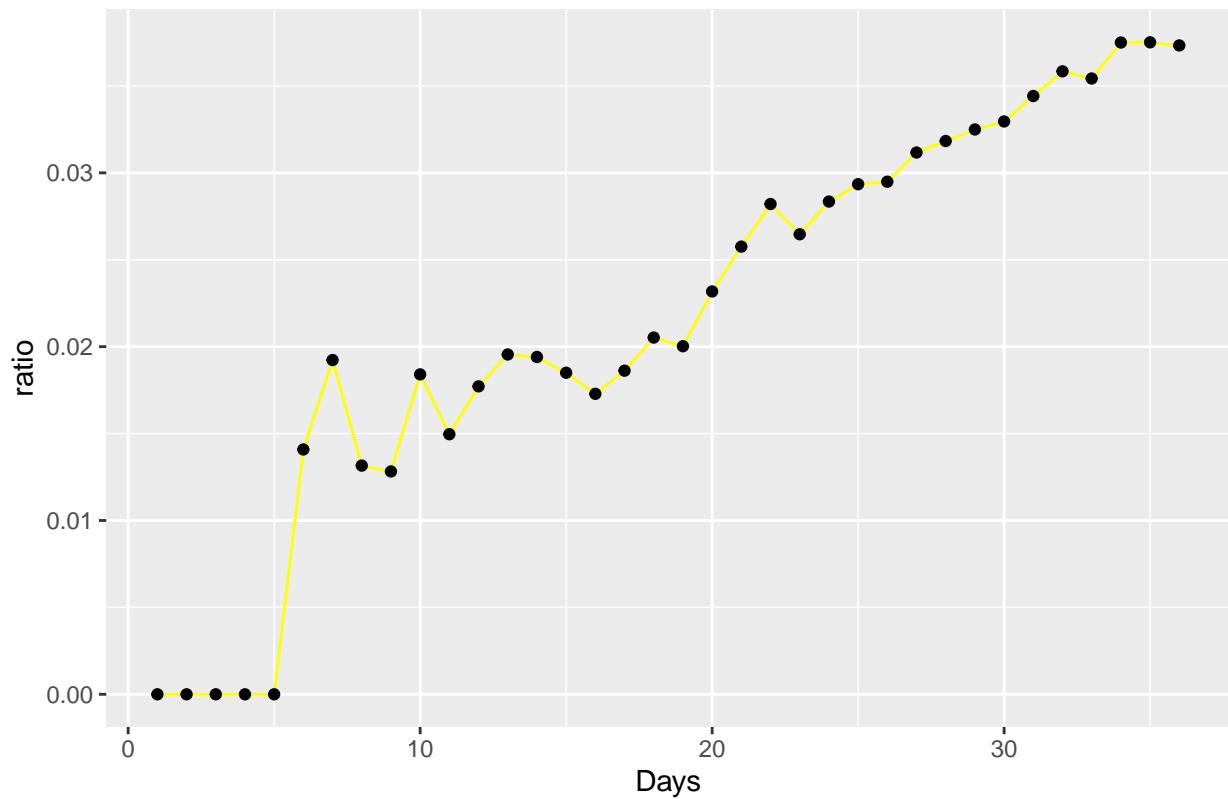
Arizona: Daily Death Rate



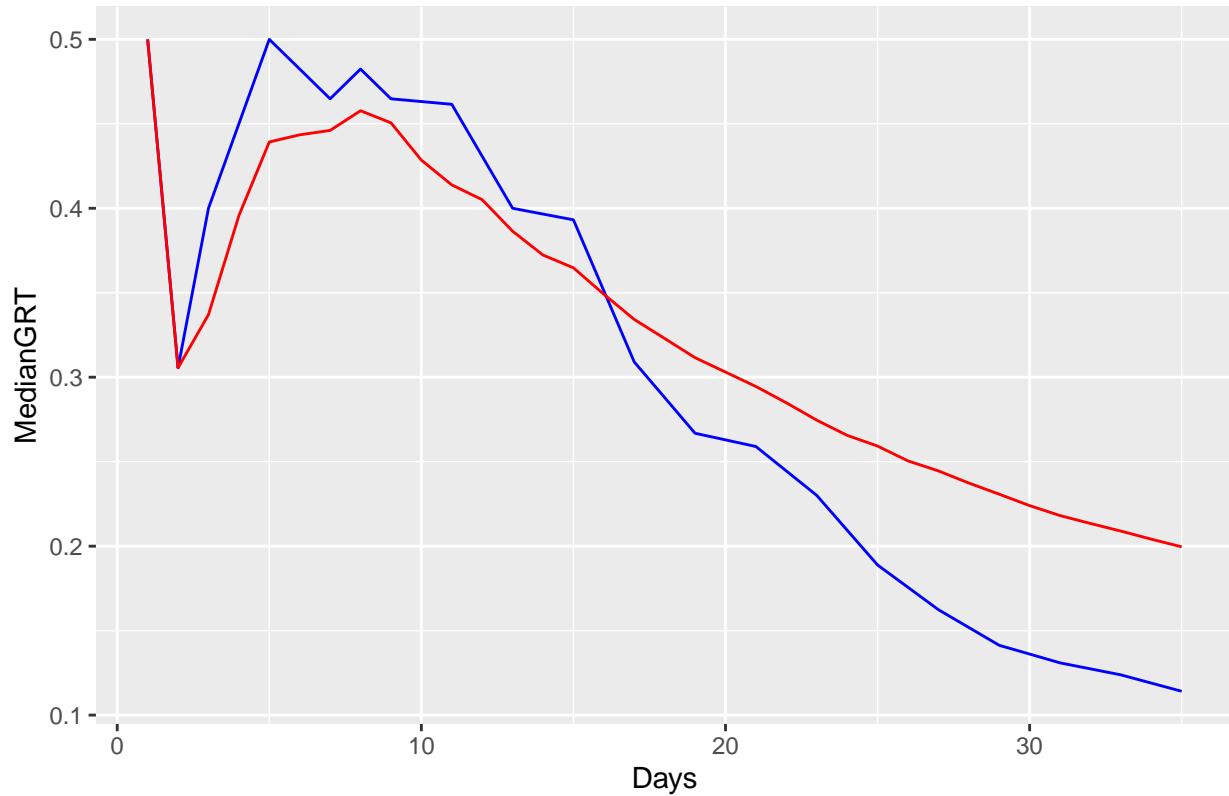
Arizona:newCases(Orange)



Arizona: TotalDeaths/TotalCases



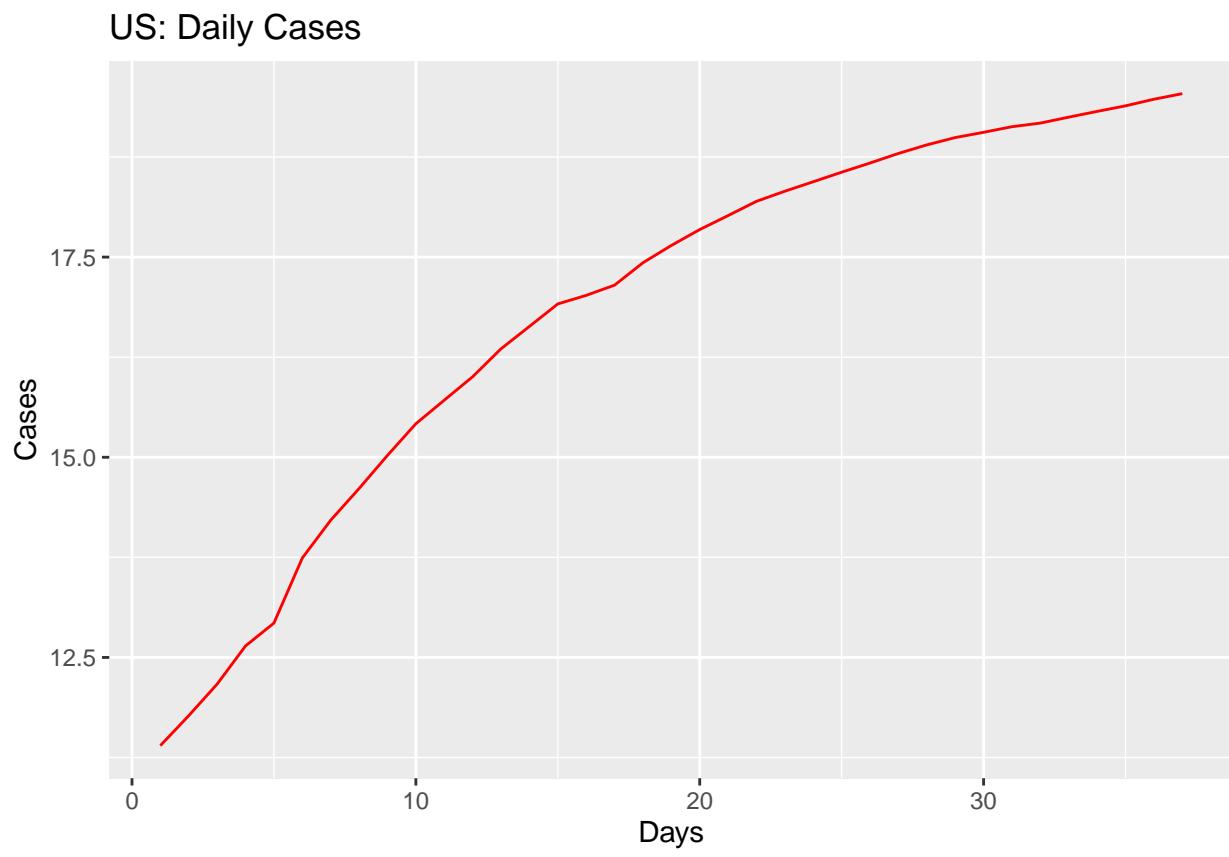
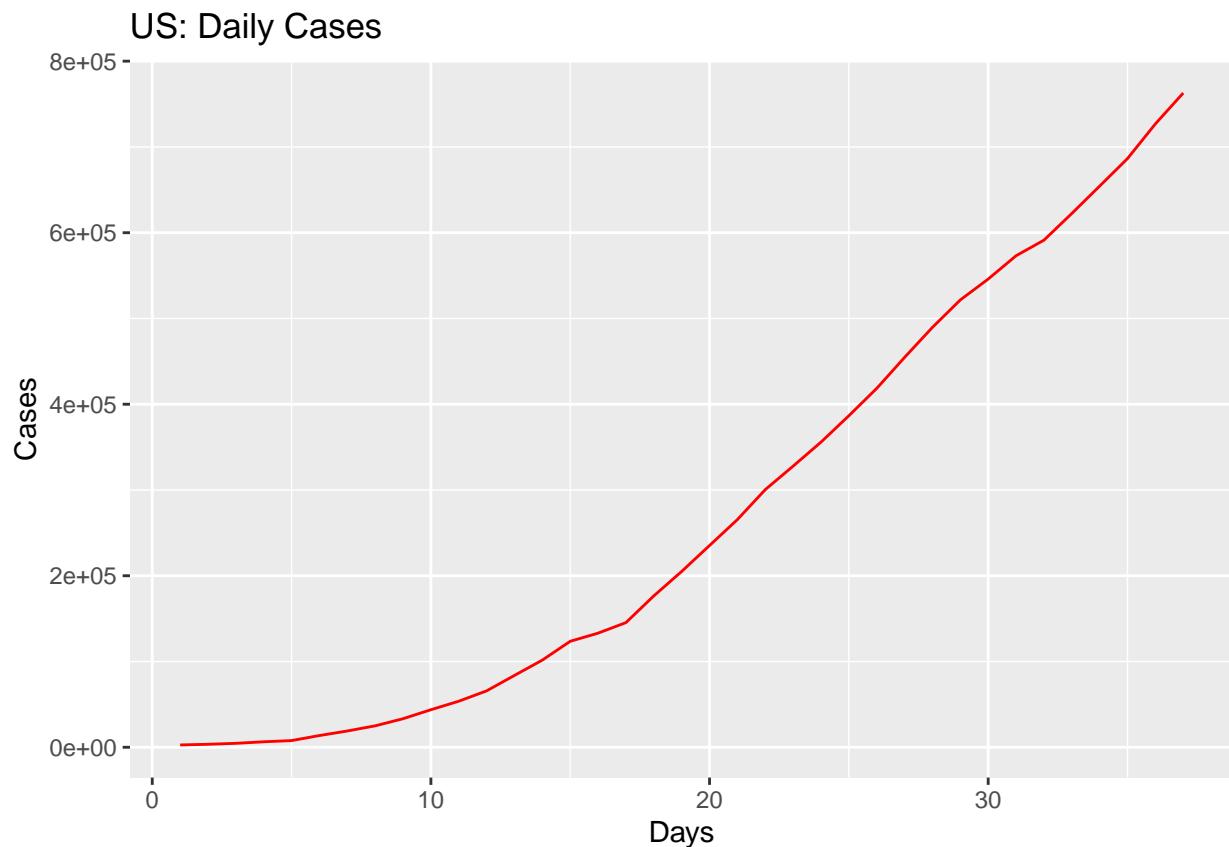
Arizona Median(BLUE)VsMean(RED) Growth Rate



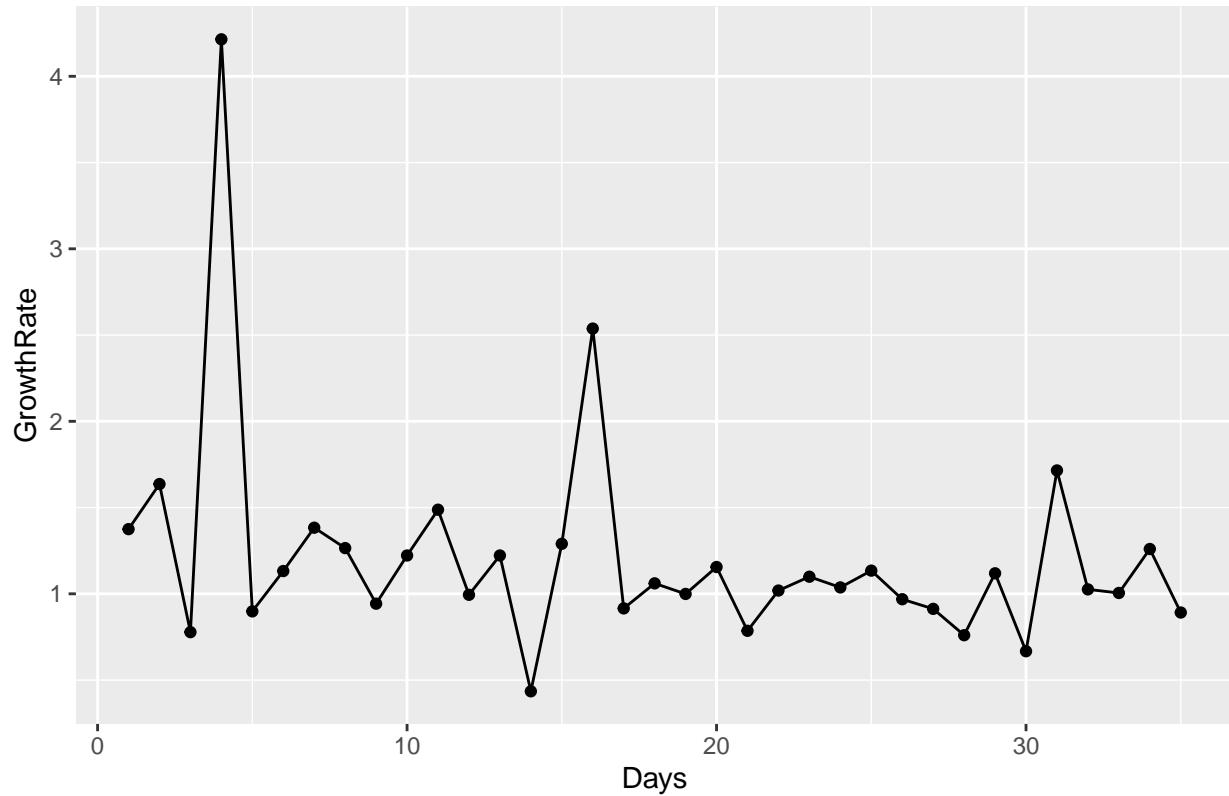
Results:

- Tomorrows predicted case number is between **5148.3452003** and **5912.7750049** cases.
- Current doubling rate is **16 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 **4.4500954** percent.
- Mean Growth Rate: **19.9589167** percent.
- Median Growth Rate: **11.4088159** percent.
- Standard deviation: +/- **17.9331861**.

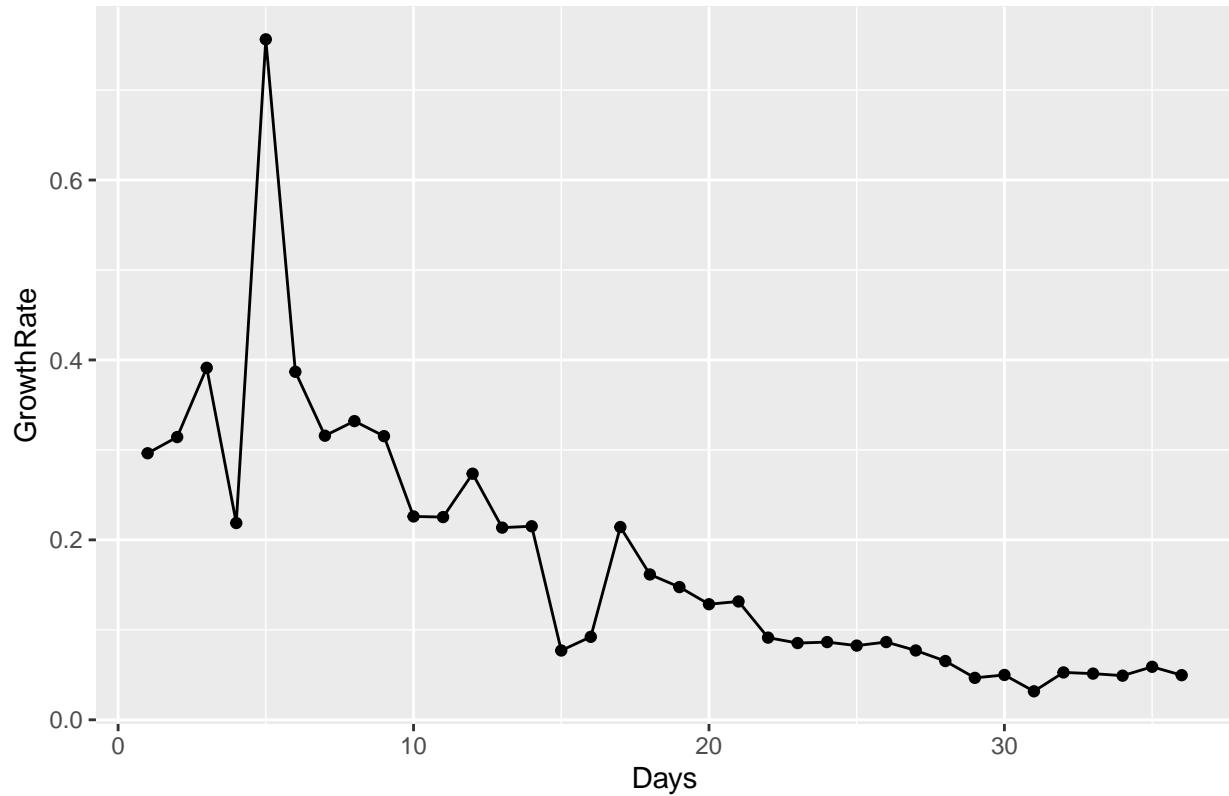
US Corona Dashboard



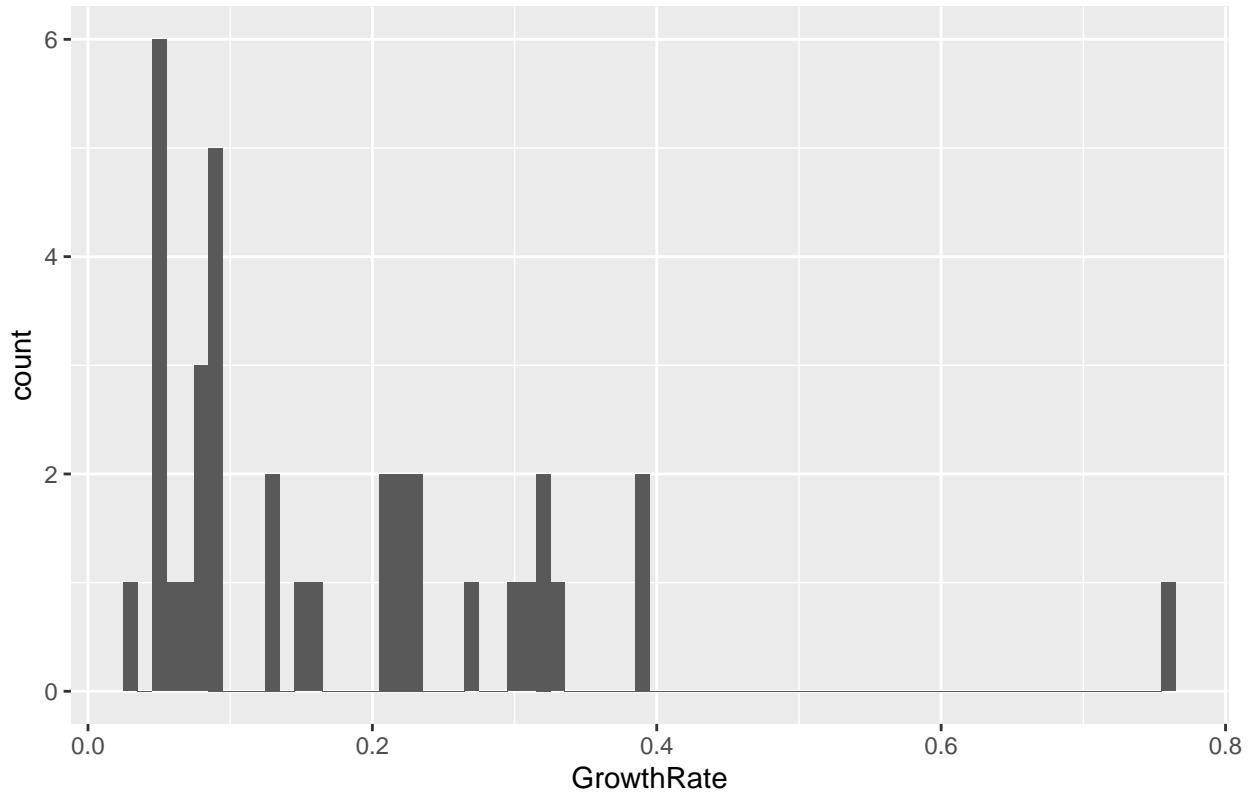
US: Rate of change in Growth Rate



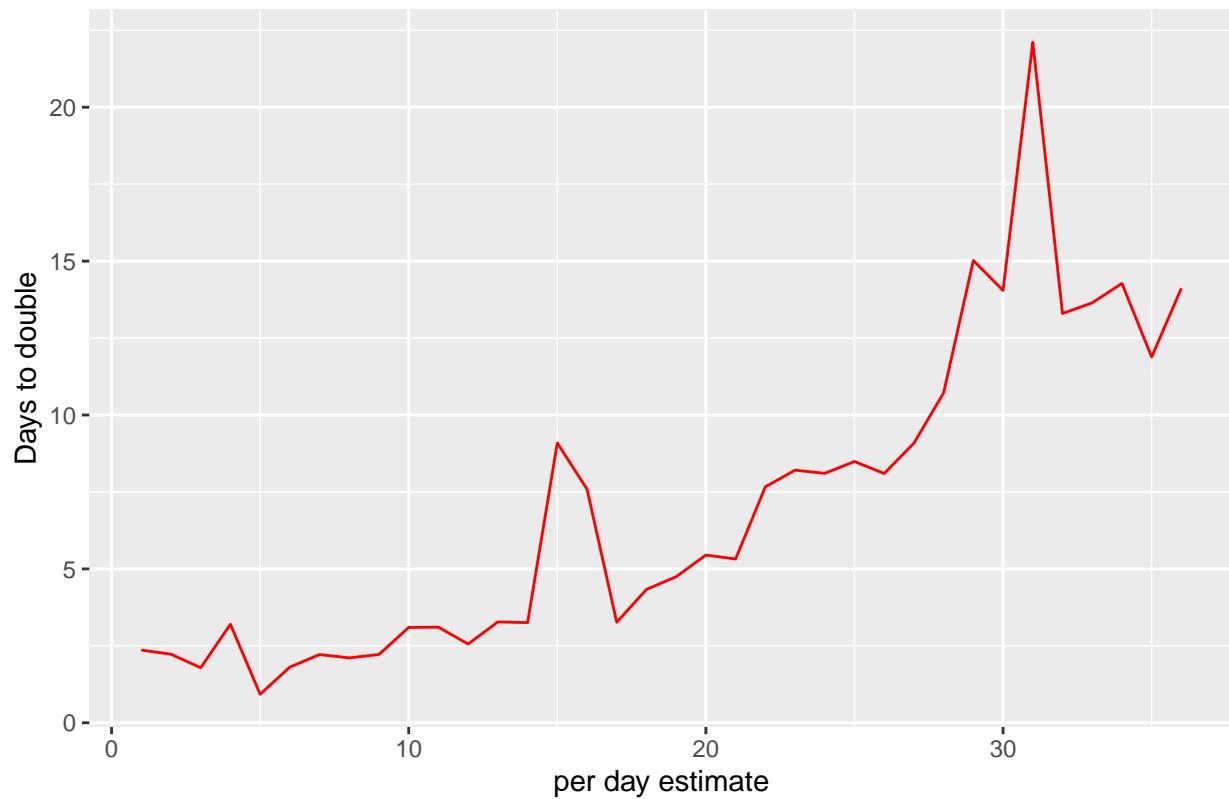
US: Growth Rate



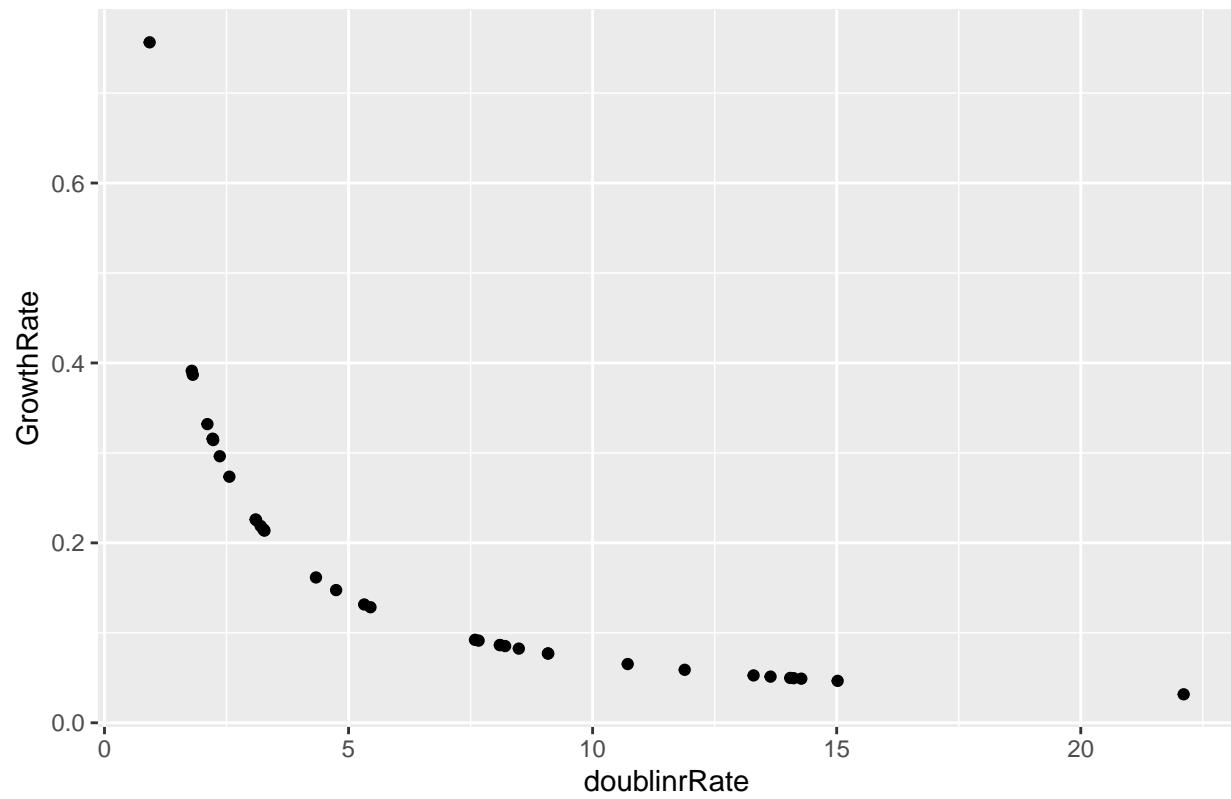
Histogram of GrowthRate



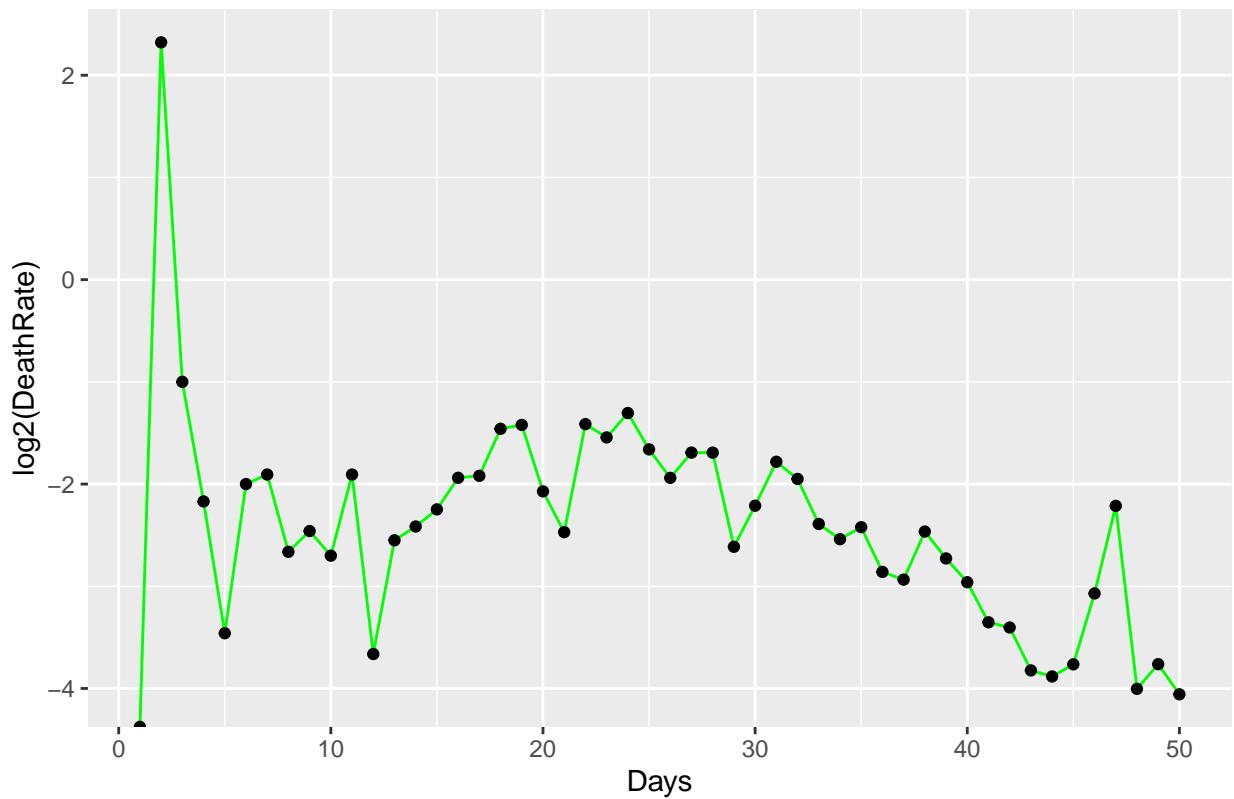
Doubling Rate in days



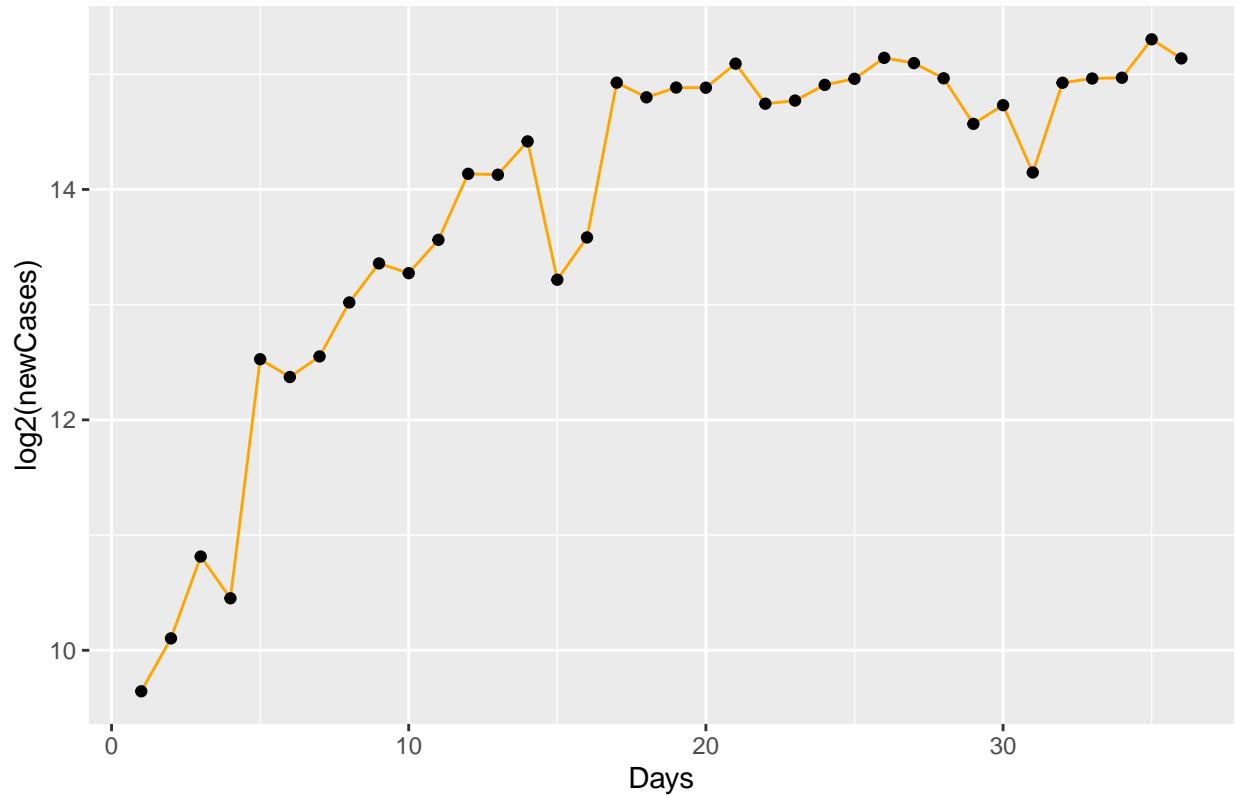
Doubling Rate vs Growth Rate



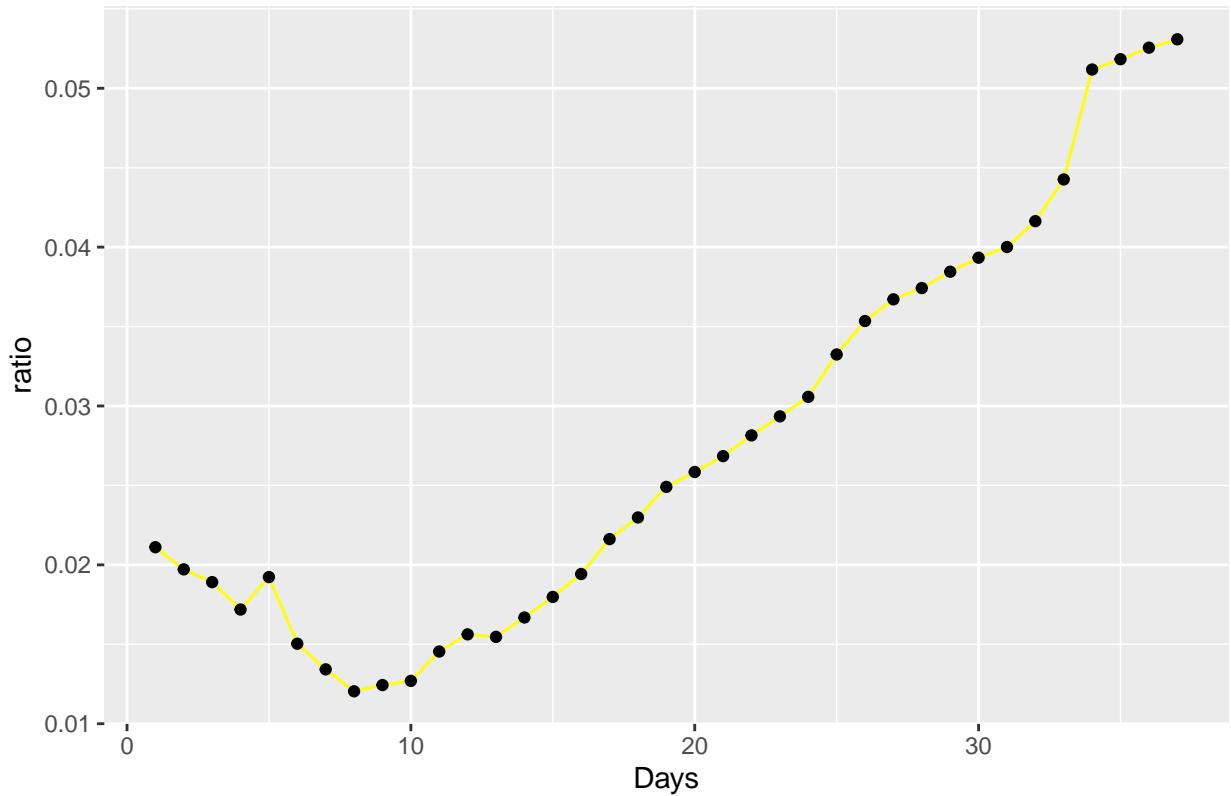
US: Daily Death Rate



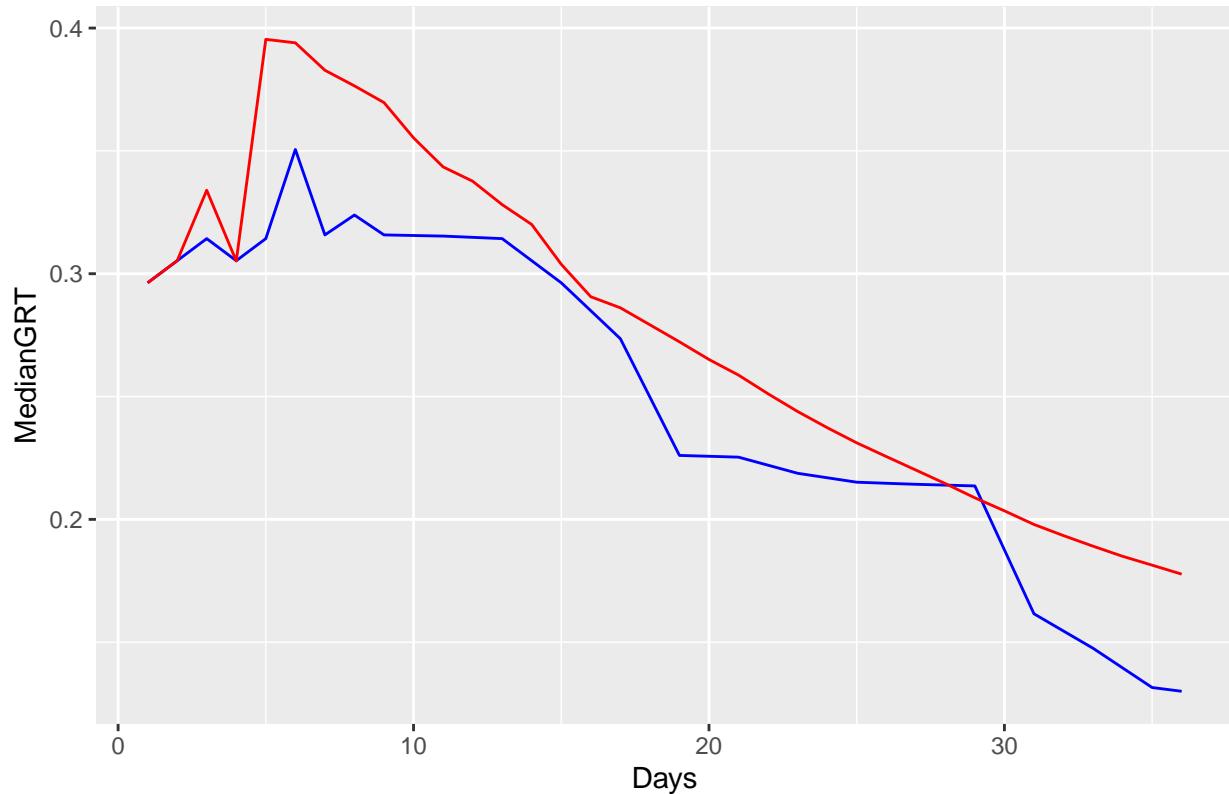
US:newCases(Orange)



US: TotalDeaths/TotalCases



US Median(BLUE)VsMean(RED) Growth Rate

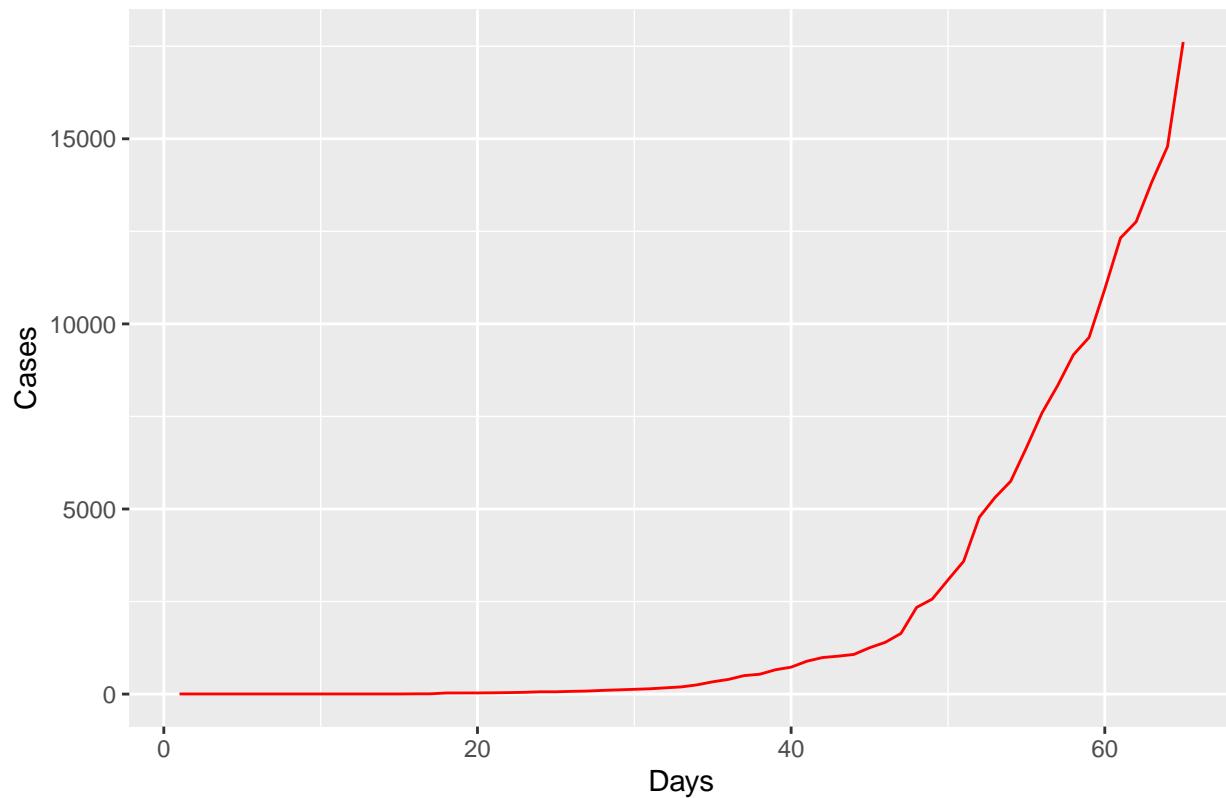


Results:

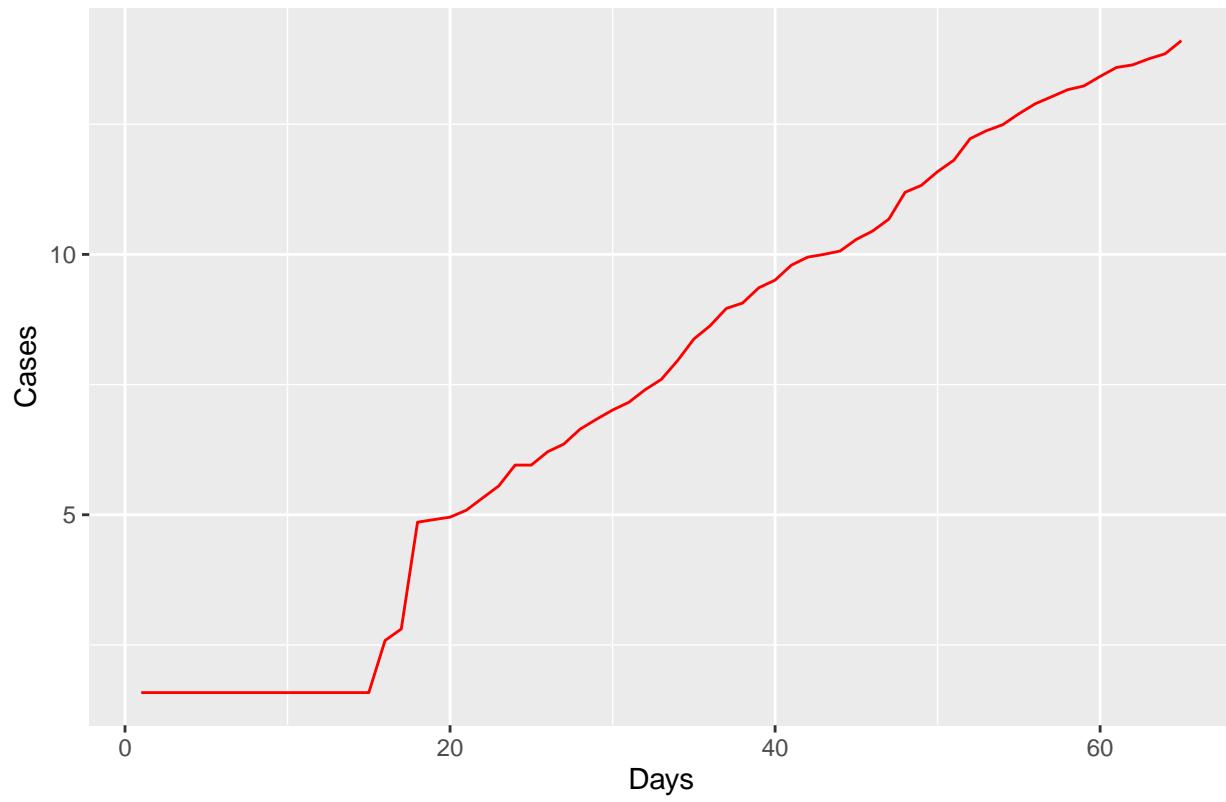
- Tomorrows predicted case number is between 8.0072299×10^5 and 8.9845934×10^5 cases.
- Current doubling rate is **14 days**
- Mean doubling rate, i.e number of cases doubles every **4 days**.
- Median doubling rate, i.e number of cases doubles every **5 days**.
- Latest Observed Growth Rate **4.9583411** percent.
- Mean Growth Rate: **17.7695702** percent.
- Median Growth Rate: **13.0004231** percent.
- Standard deviation: +/- **14.731459**.

India Corona Dashboard

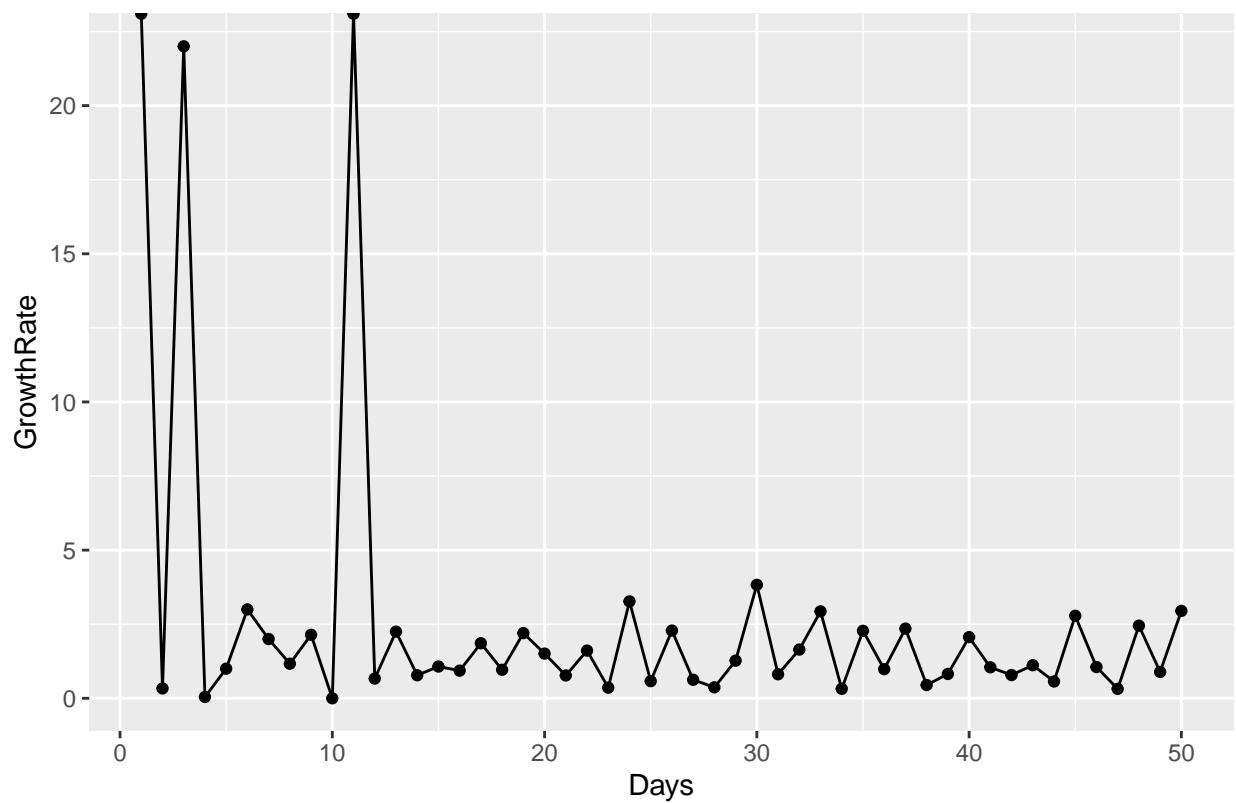
India: Daily Cases



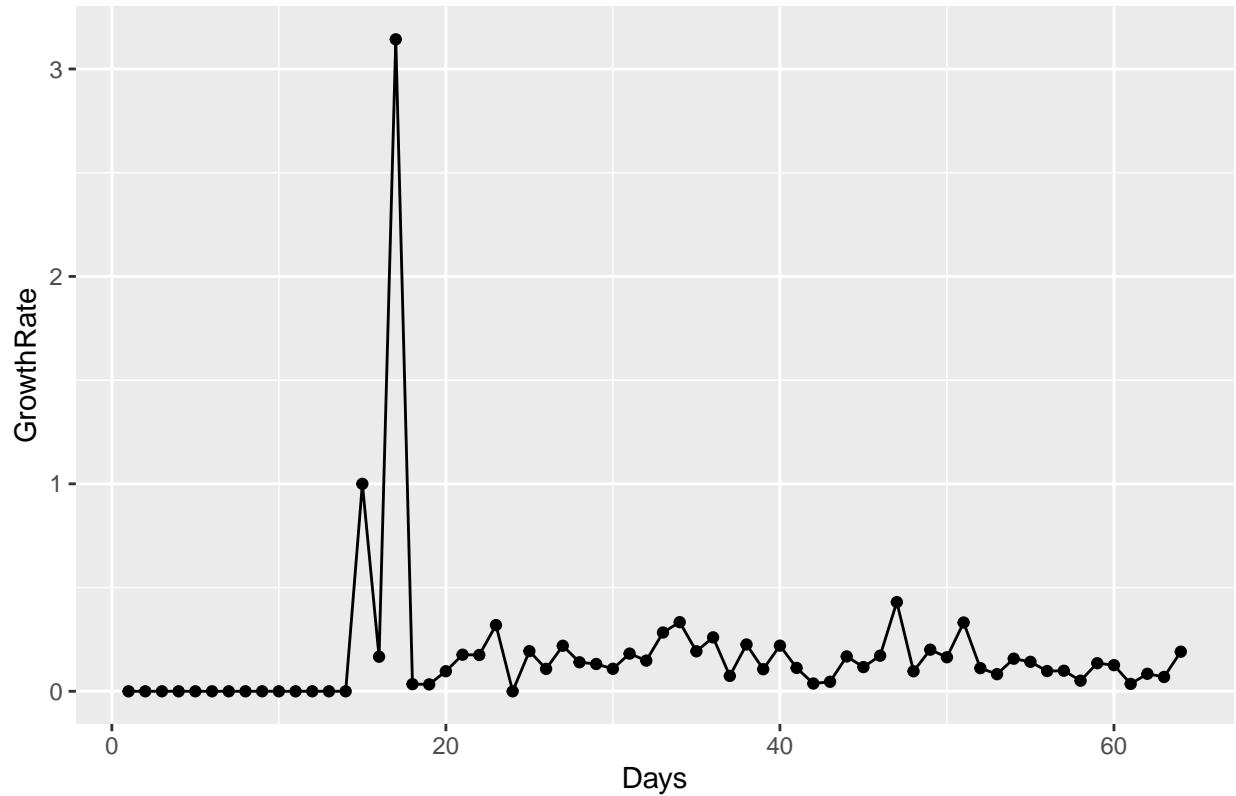
India: Daily Cases



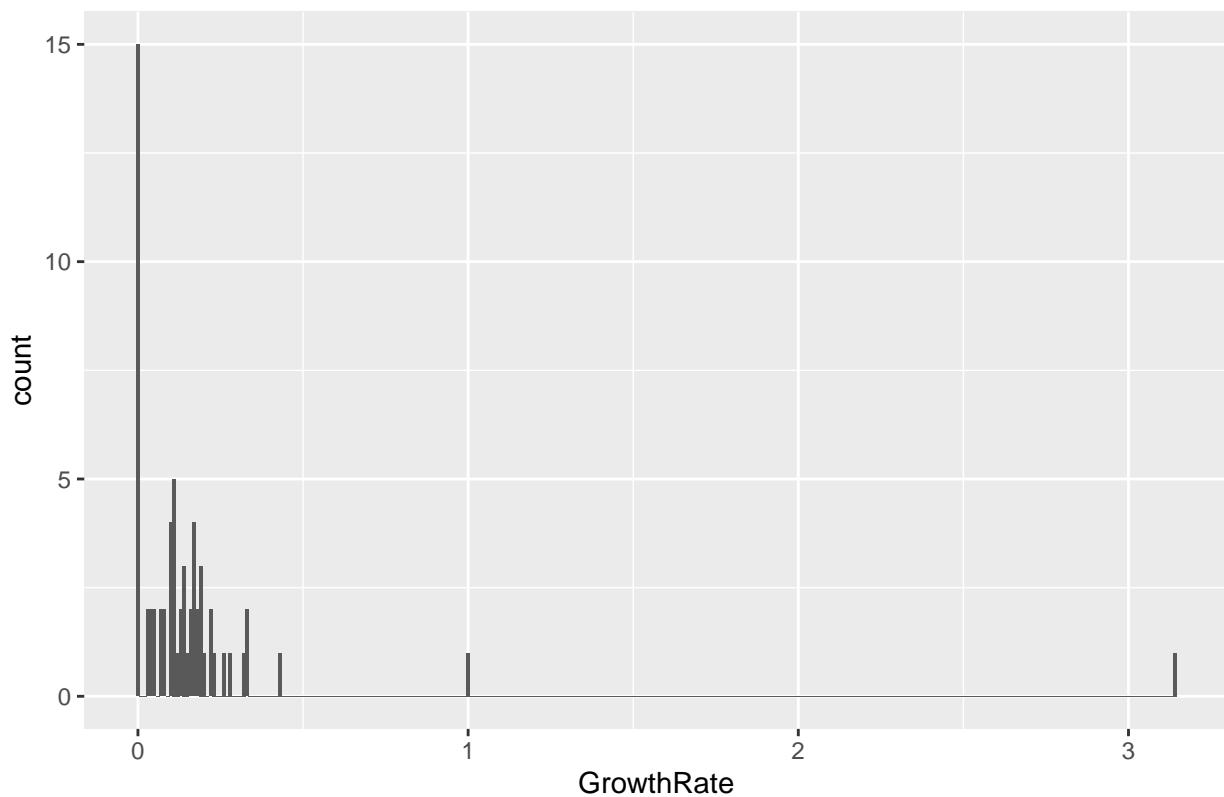
US: Rate of change in Growth Rate



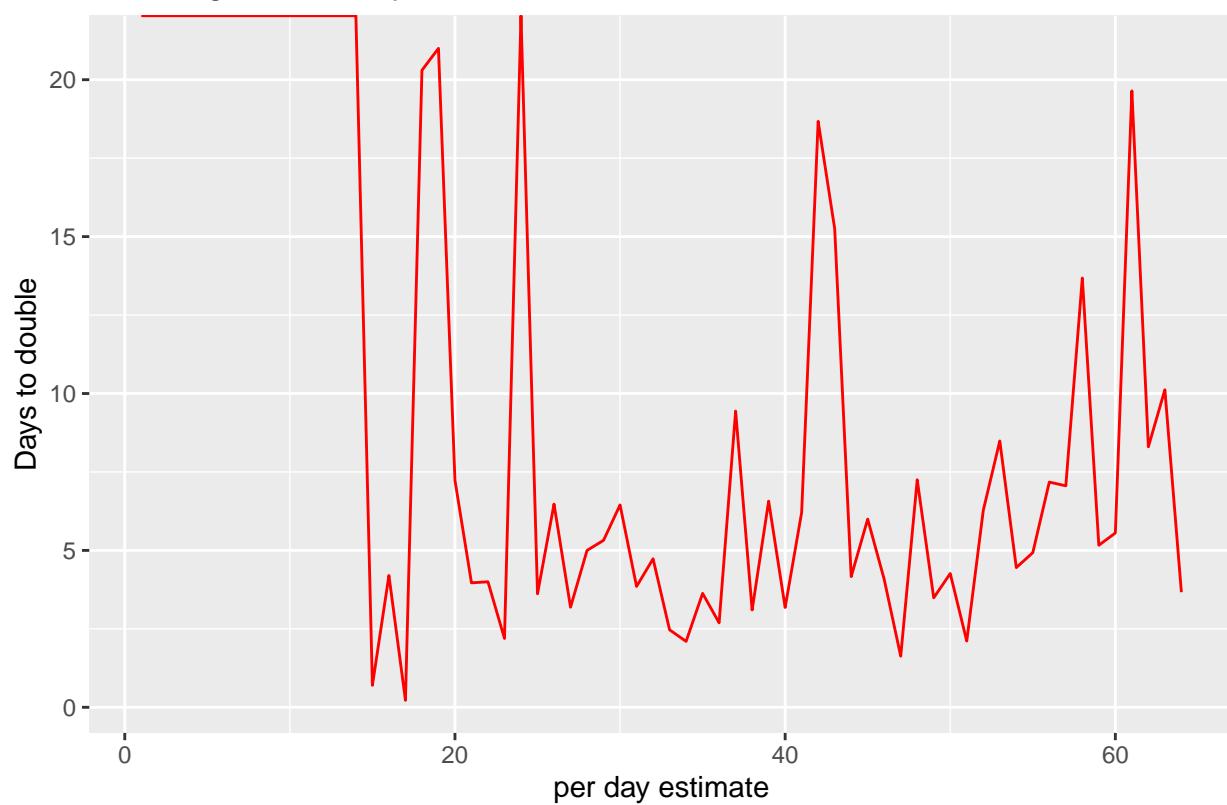
India: Growth Rate



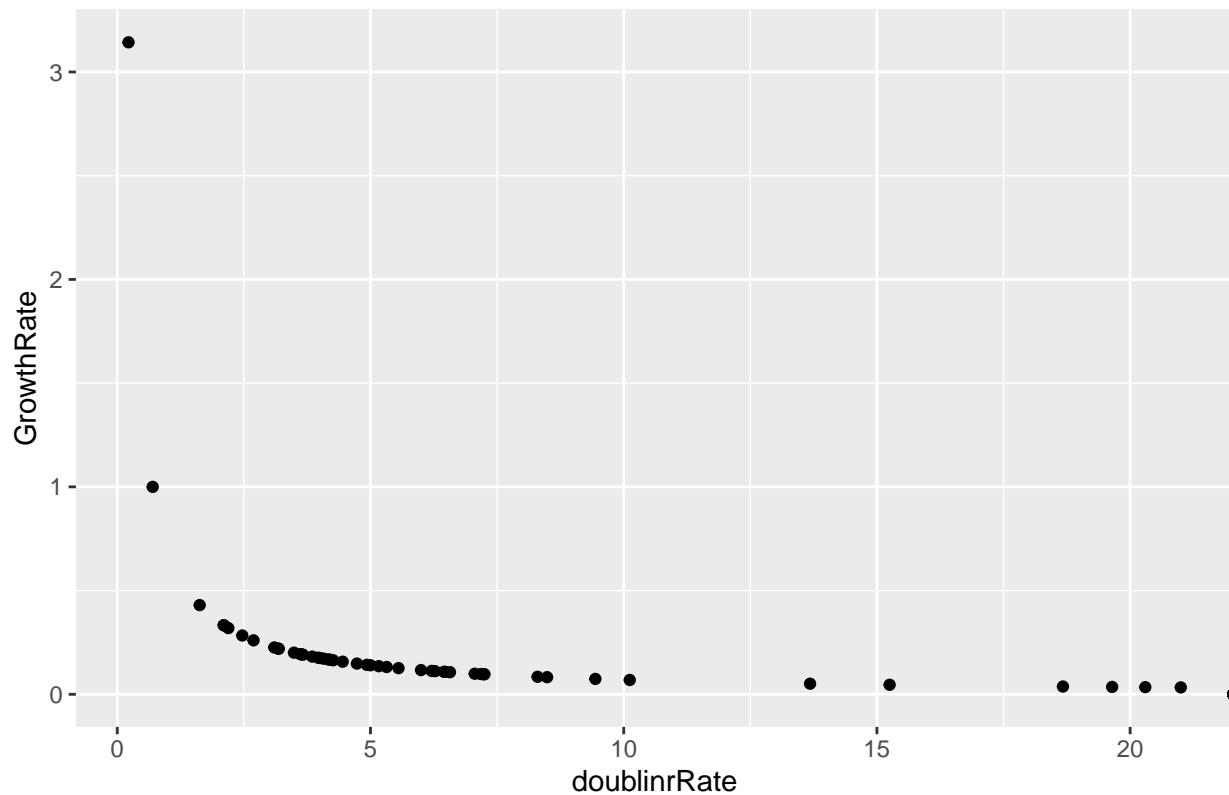
Histogram of GrowthRate



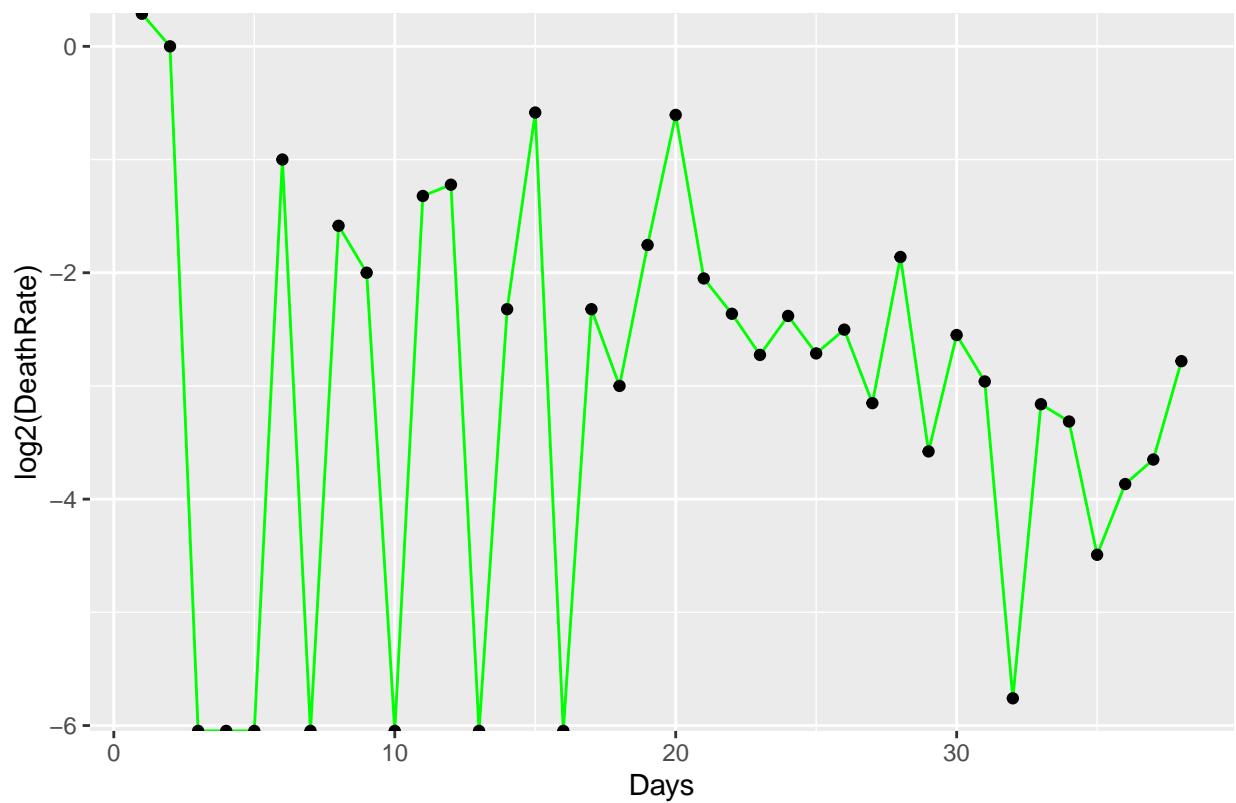
Doubling Rate in days

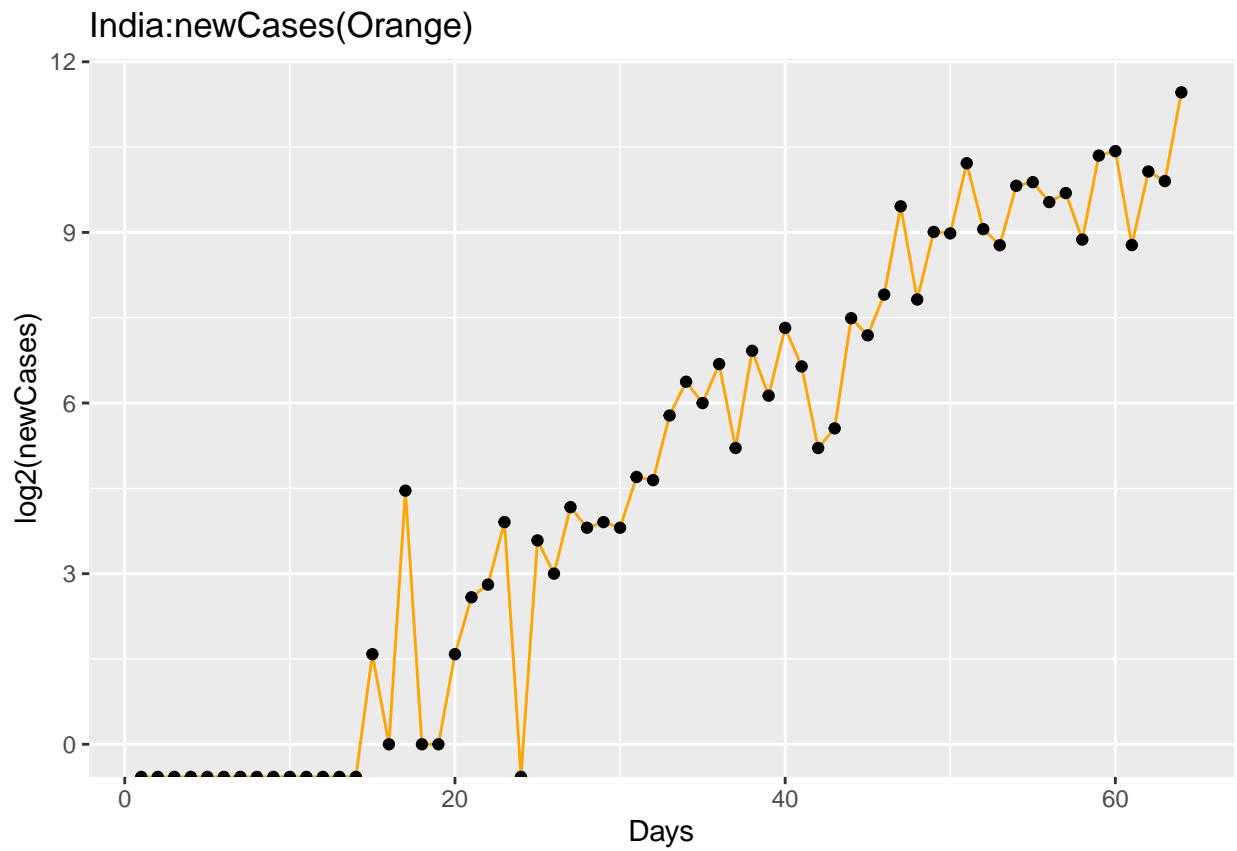


Doubling Rate vs Growth Rate

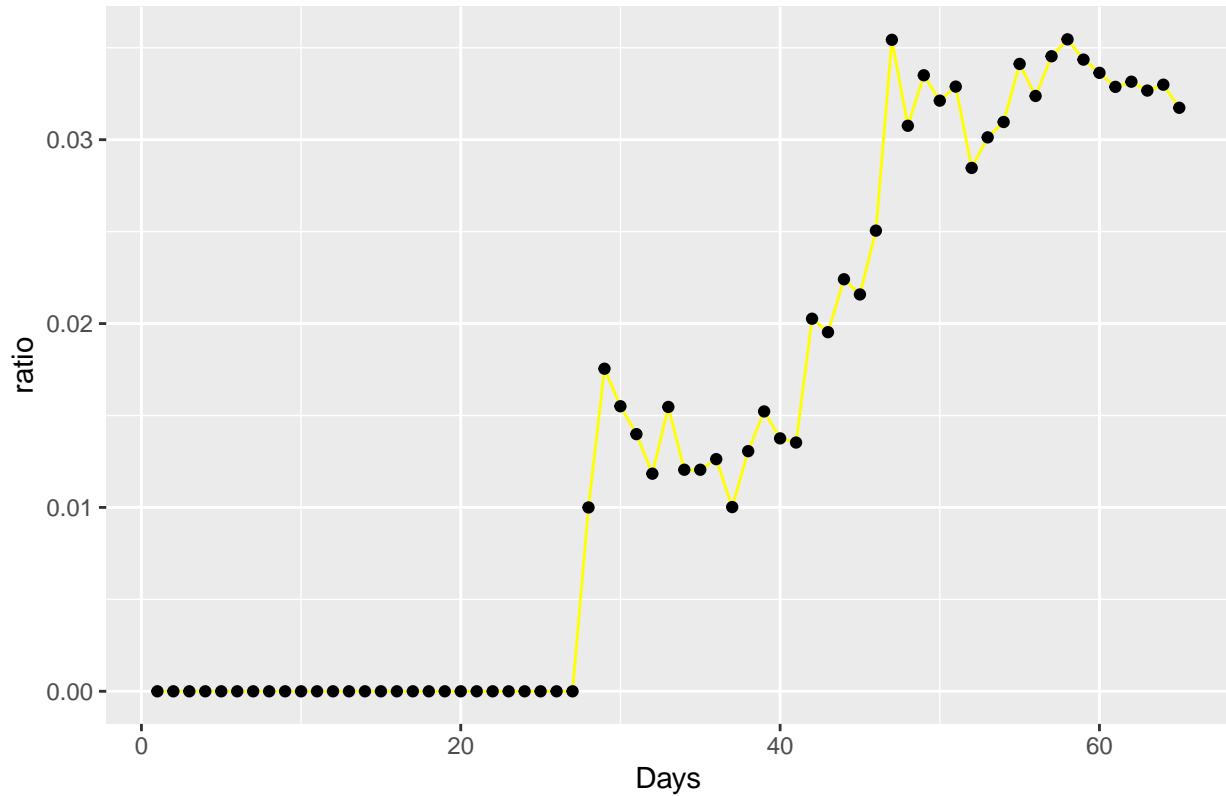


India: Daily Death Rate

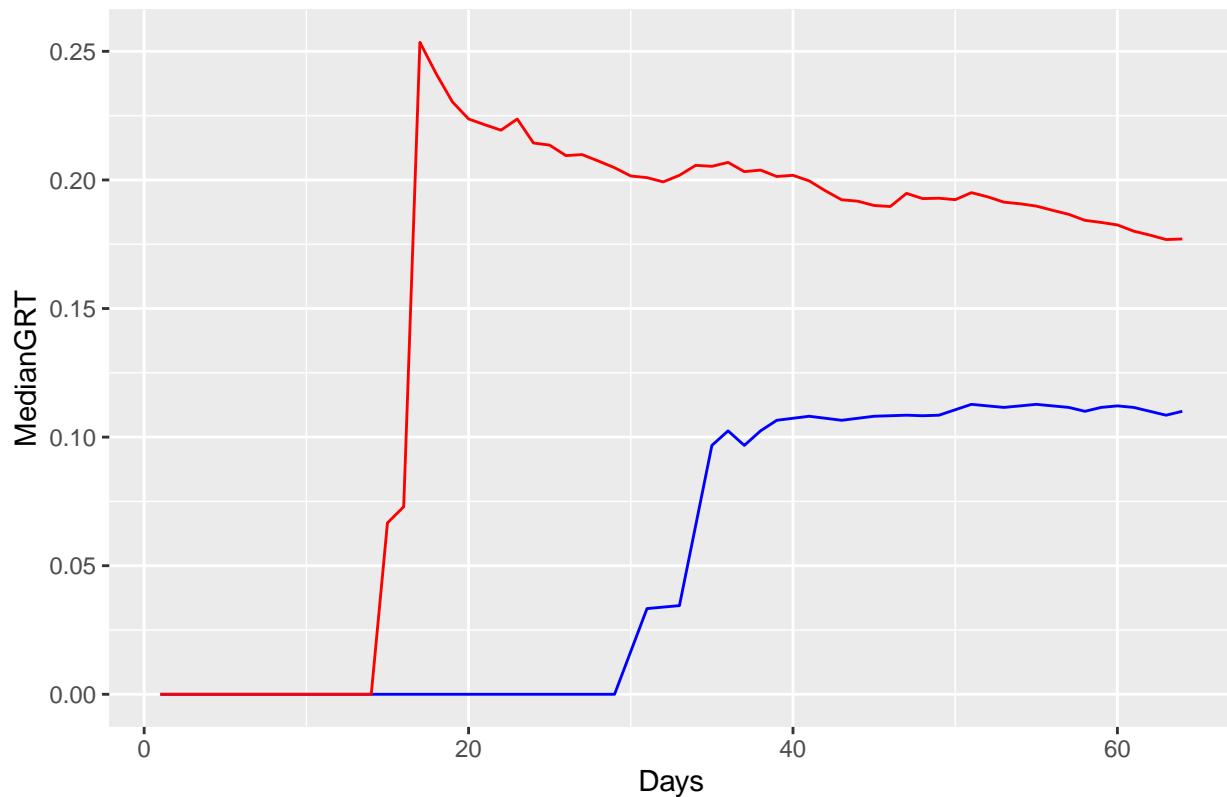




India: TotalDeaths/TotalCases



India Median(BLUE)VsMean(RED) Growth Rate



Results:

- Tomorrows predicted case number is between 2.0976759×10^4 and 2.073354×10^4 cases.
- Current doubling rate is **4 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 **19.0846403** percent.
- Mean Growth Rate: **17.703889** percent.
- Median Growth Rate: **11.0040041** percent.
- Standard deviation: +/- **40.4679504**.