

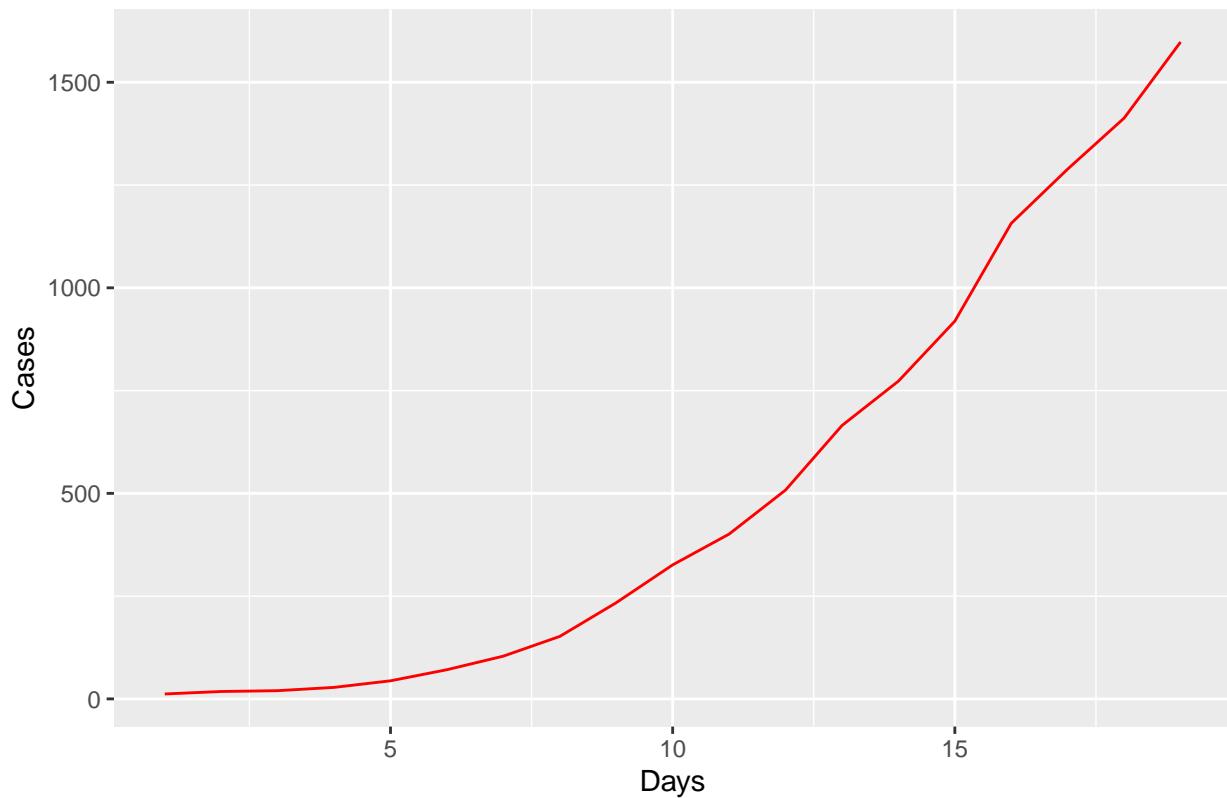
Arizona/US/India Corona Trends-2ns April 2020 with tomorrow's prediction

Whitchurch Muthumani

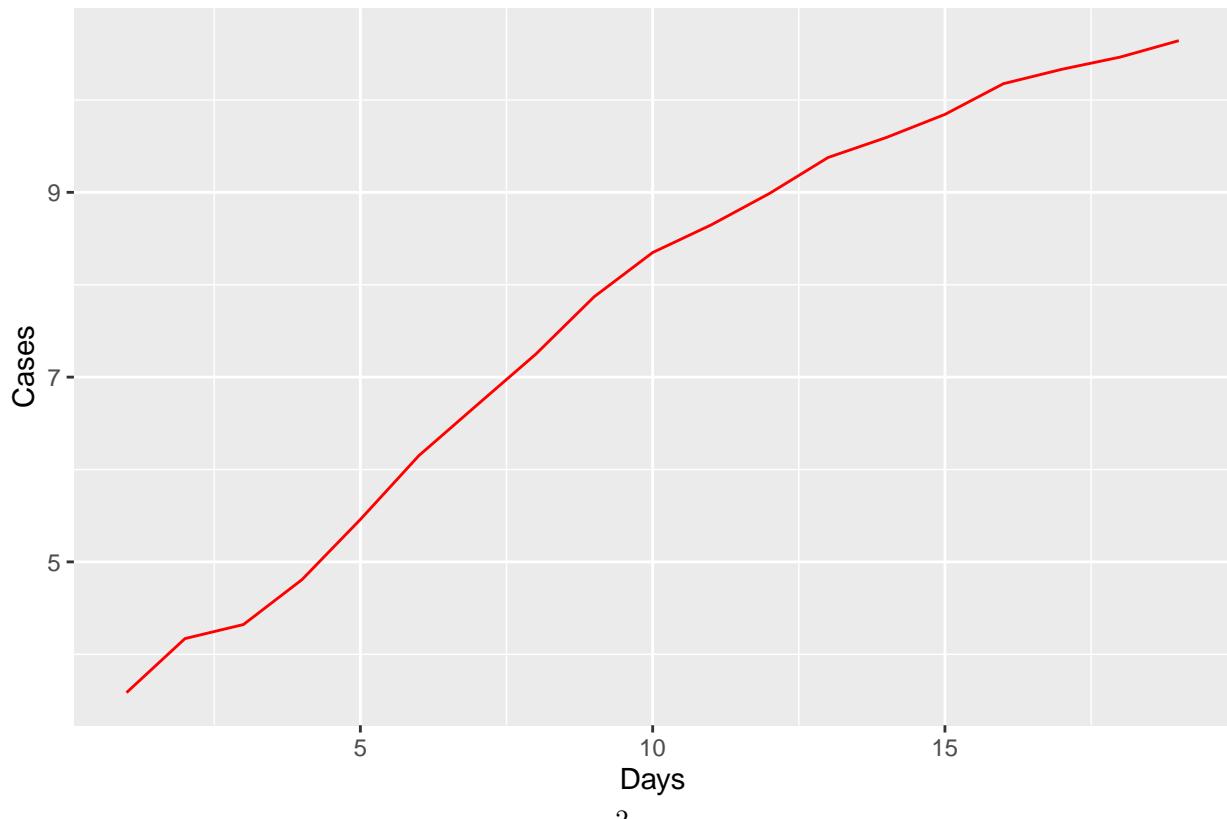
4/2/2020

Arizona Corona Dashboard

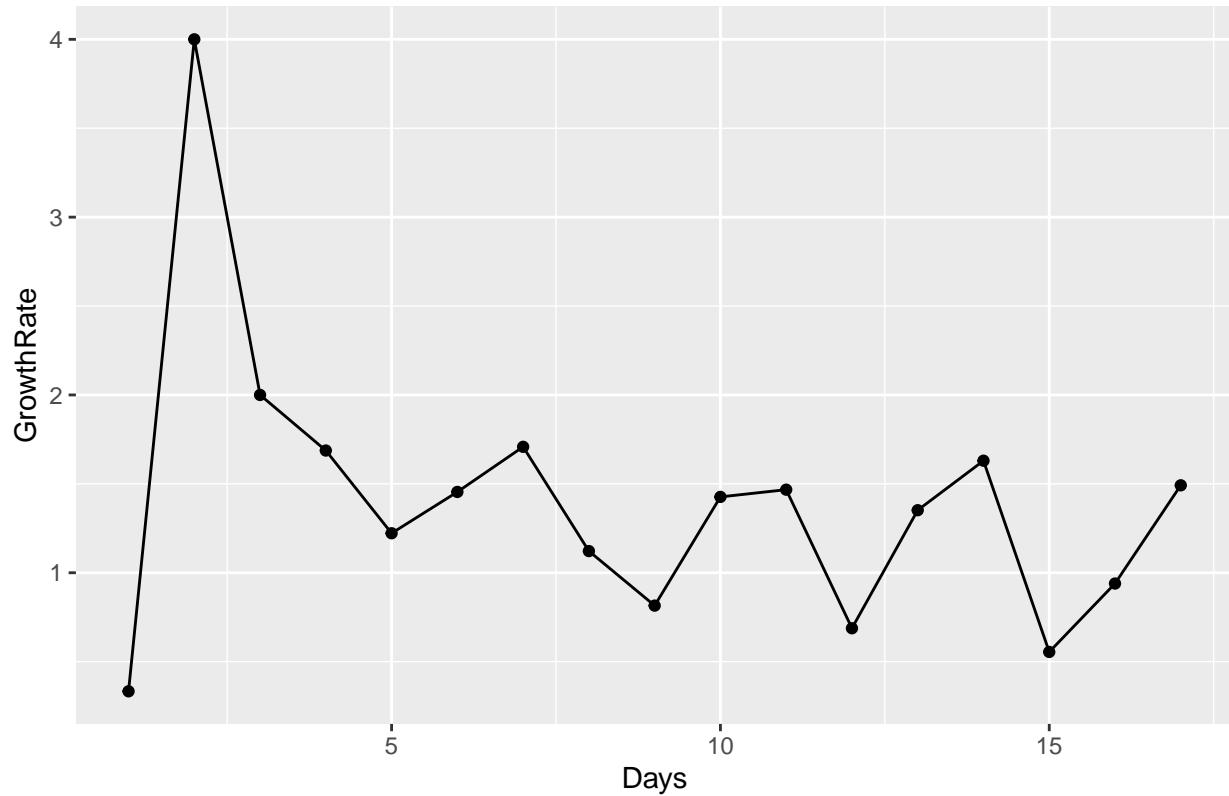
Arizona: Daily Cases



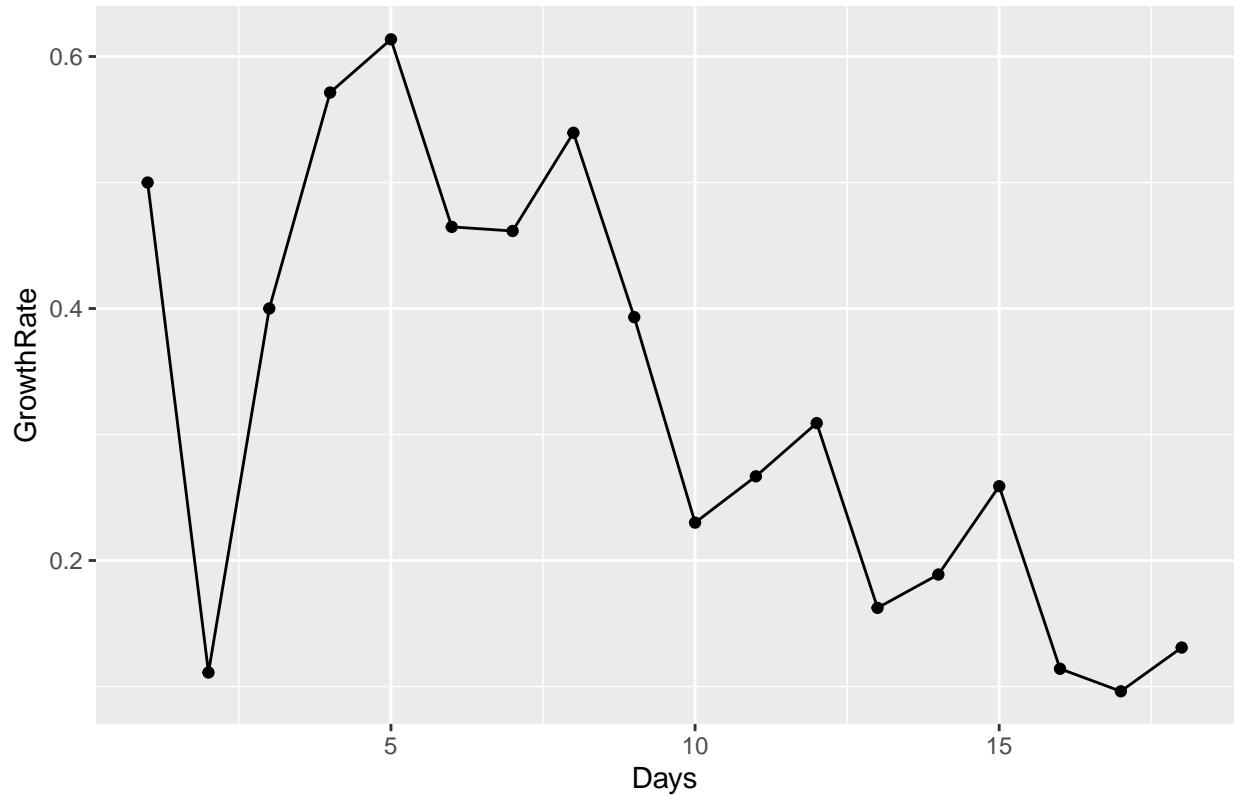
Arizona: Daily Cases



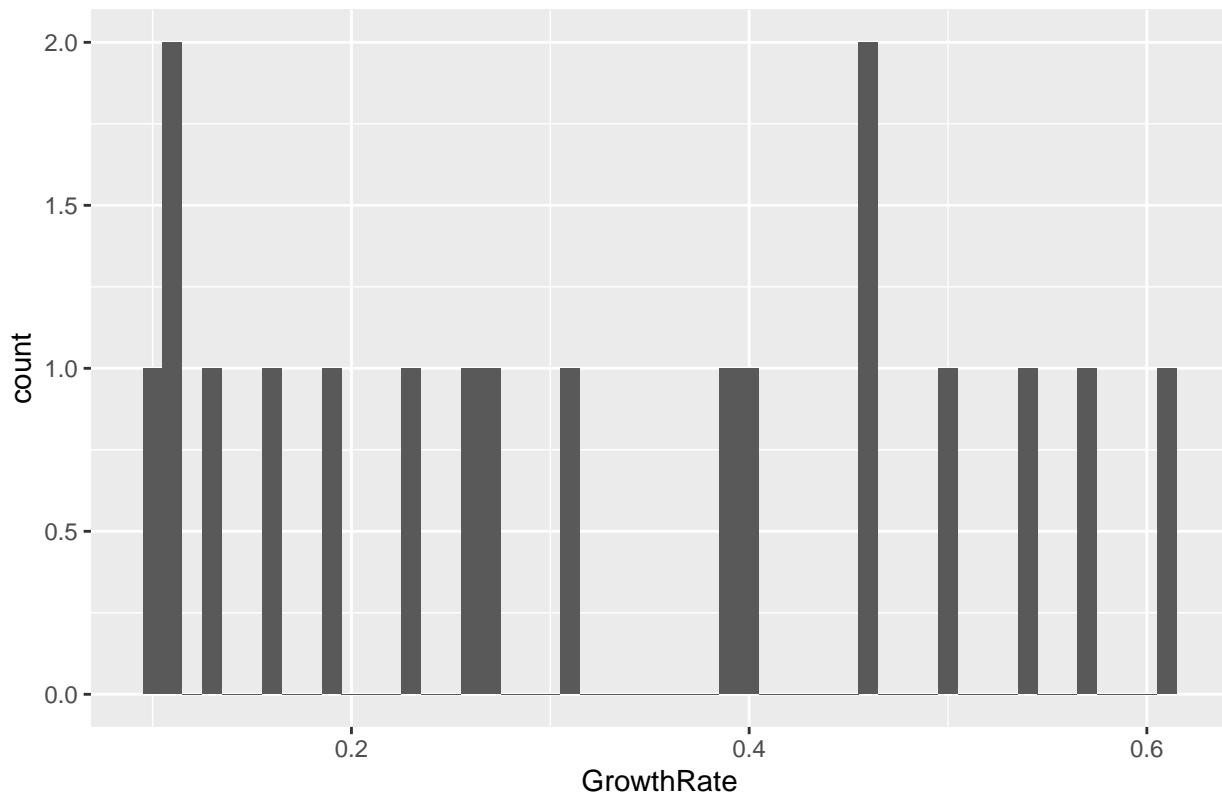
Arizona: Rate of change in Growth Rate



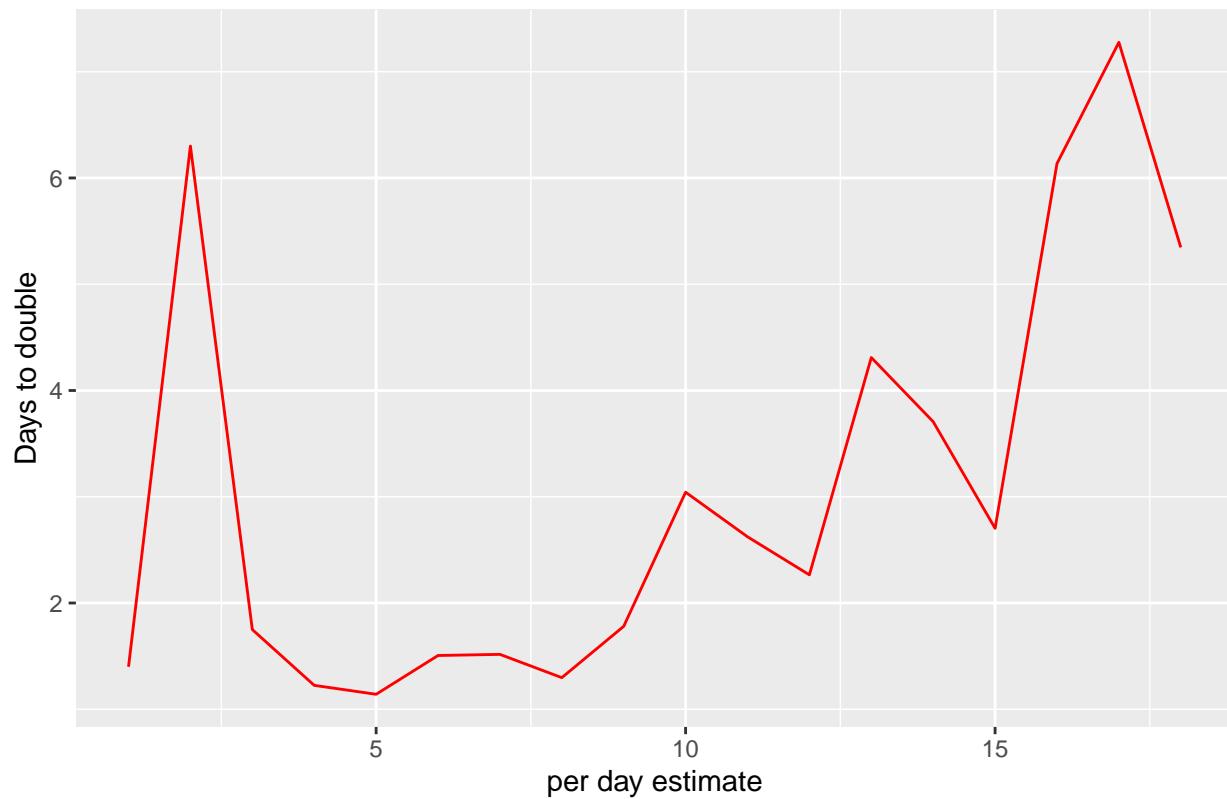
Arizona: Growth Rate



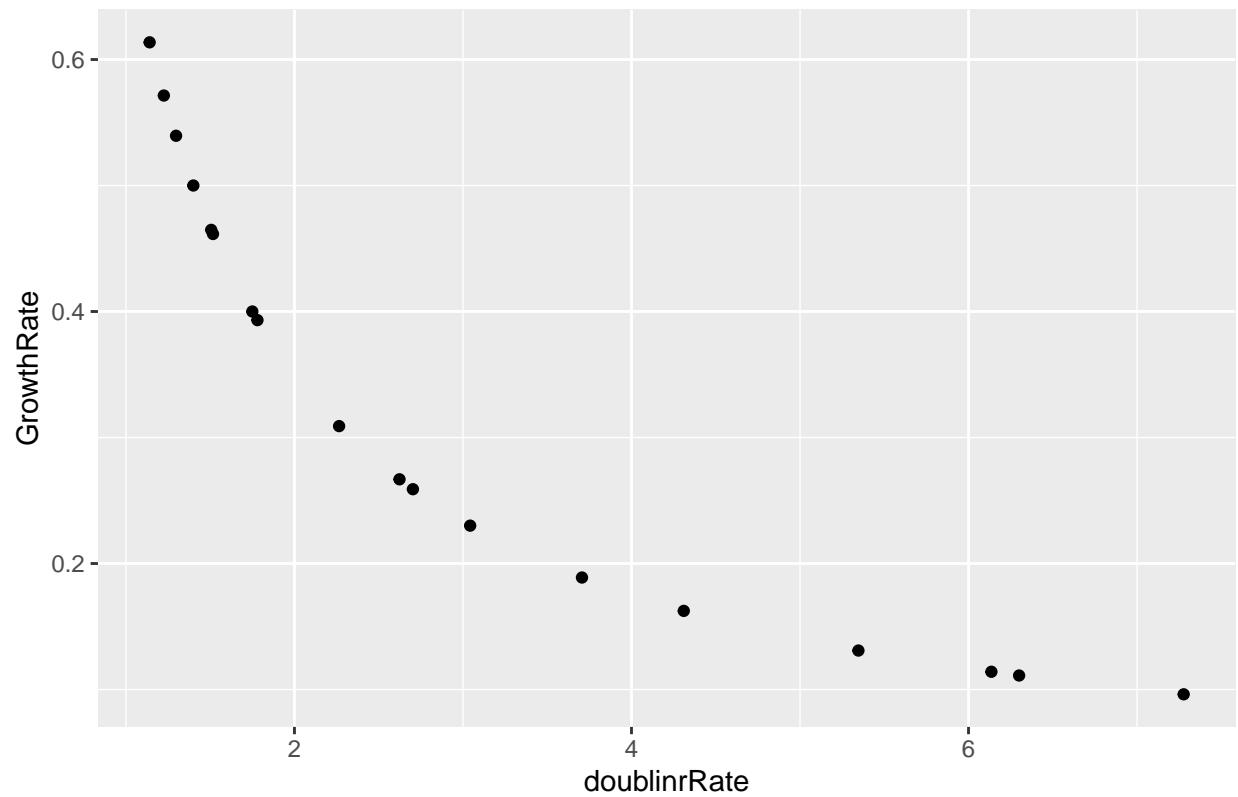
Histogram of GrowthRate



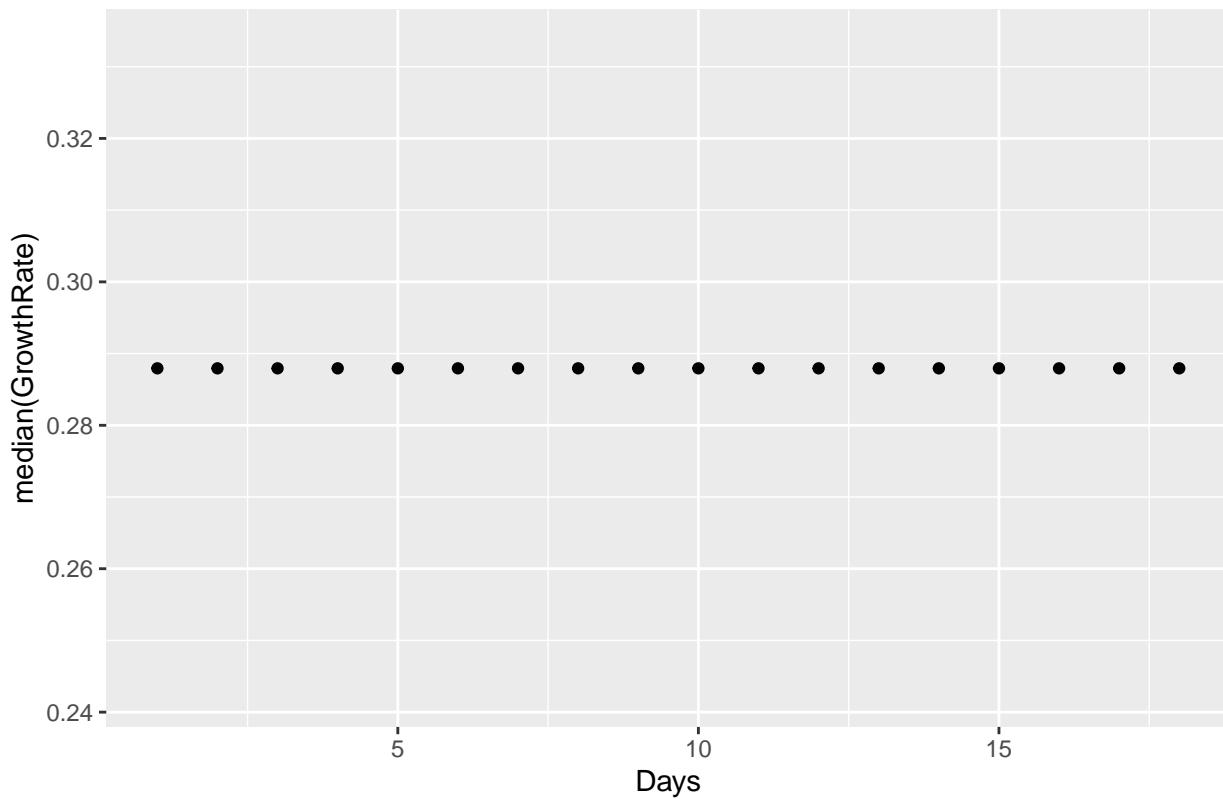
Doubling Rate in days



Doubling Rate vs Growth Rate



Arizona Median Growth Rate

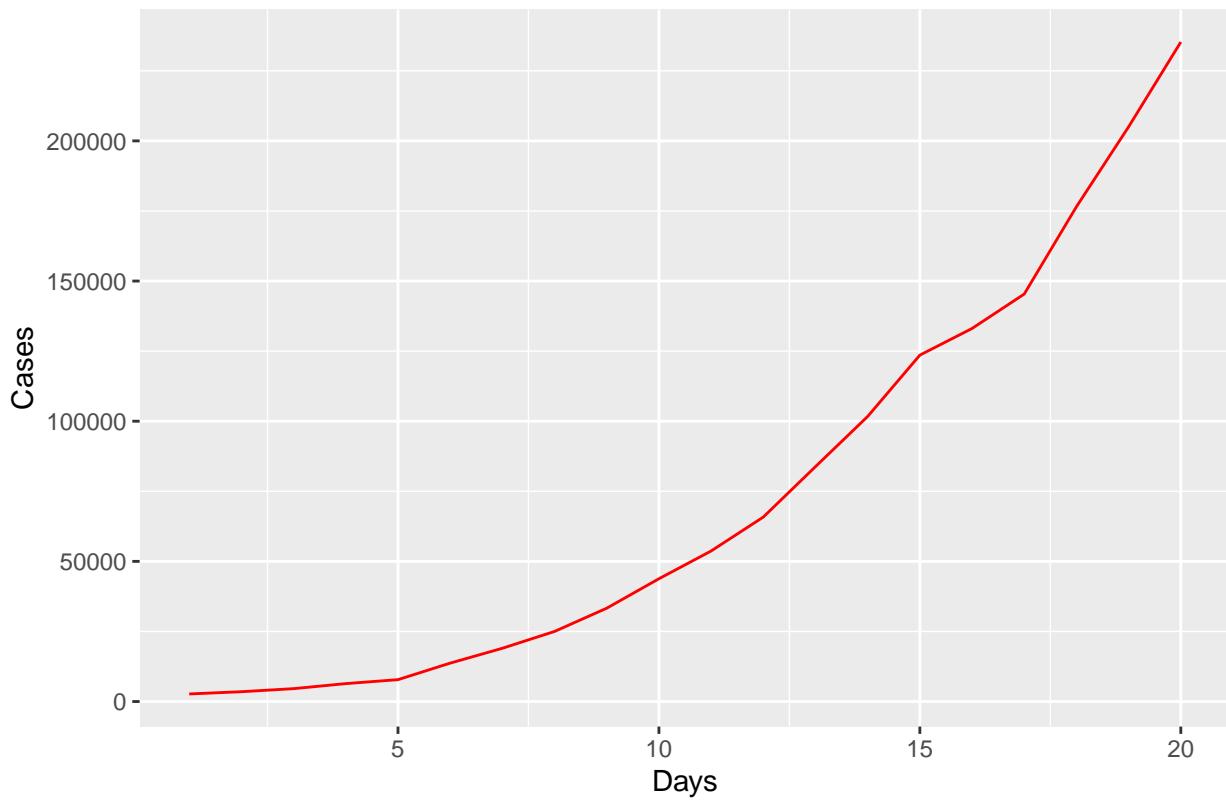


Results:

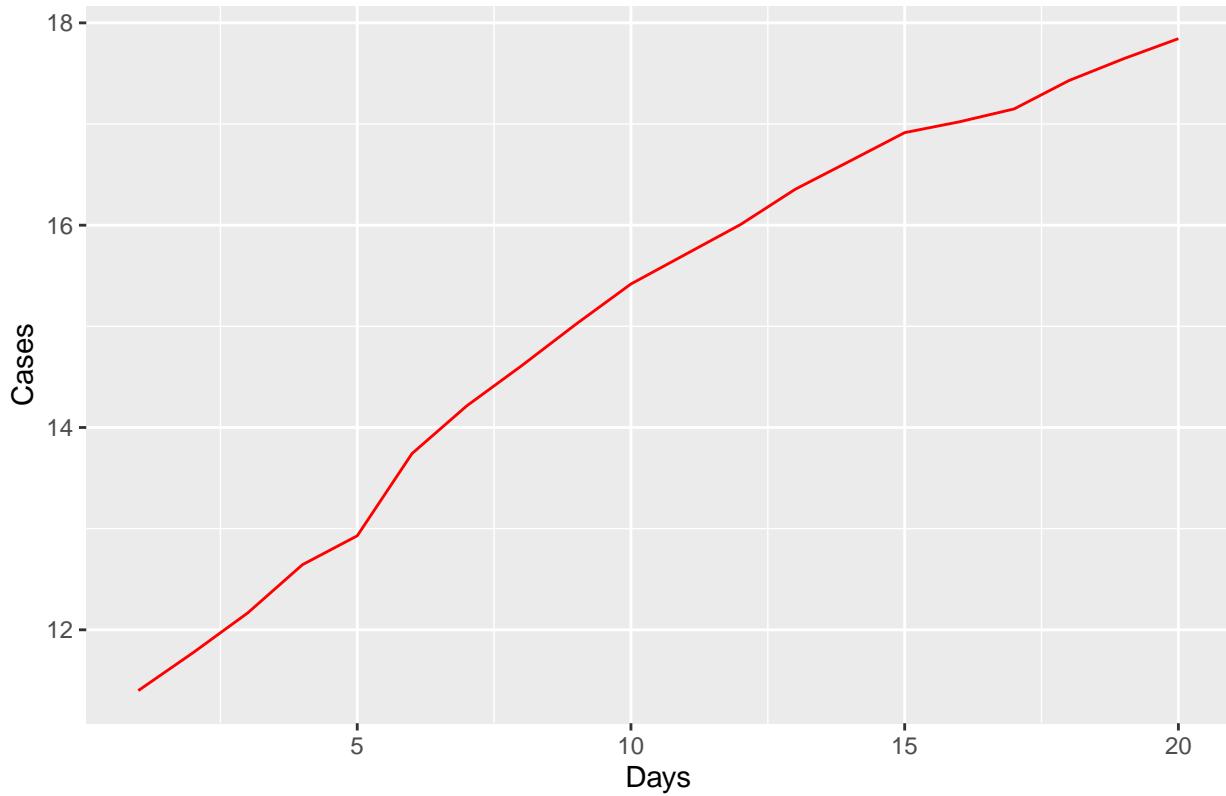
- Tomorrows predicted case number is between **1807.2215145** and **2114.0261822** cases.
- Current doubling rate is **5 days**
- Mean doubling rate, i.e number of cases doubles every **2 days**.
- Median doubling rate, i.e number of cases doubles every **2 days**.
- Latest Observed Growth Rate **13.0927105** percent.
- Mean Growth Rate: **32.2920014** percent.
- Median Growth Rate: **28.7944018** percent.
- Standard deviation: +/- **17.3419319**.

US Corona Dashboard

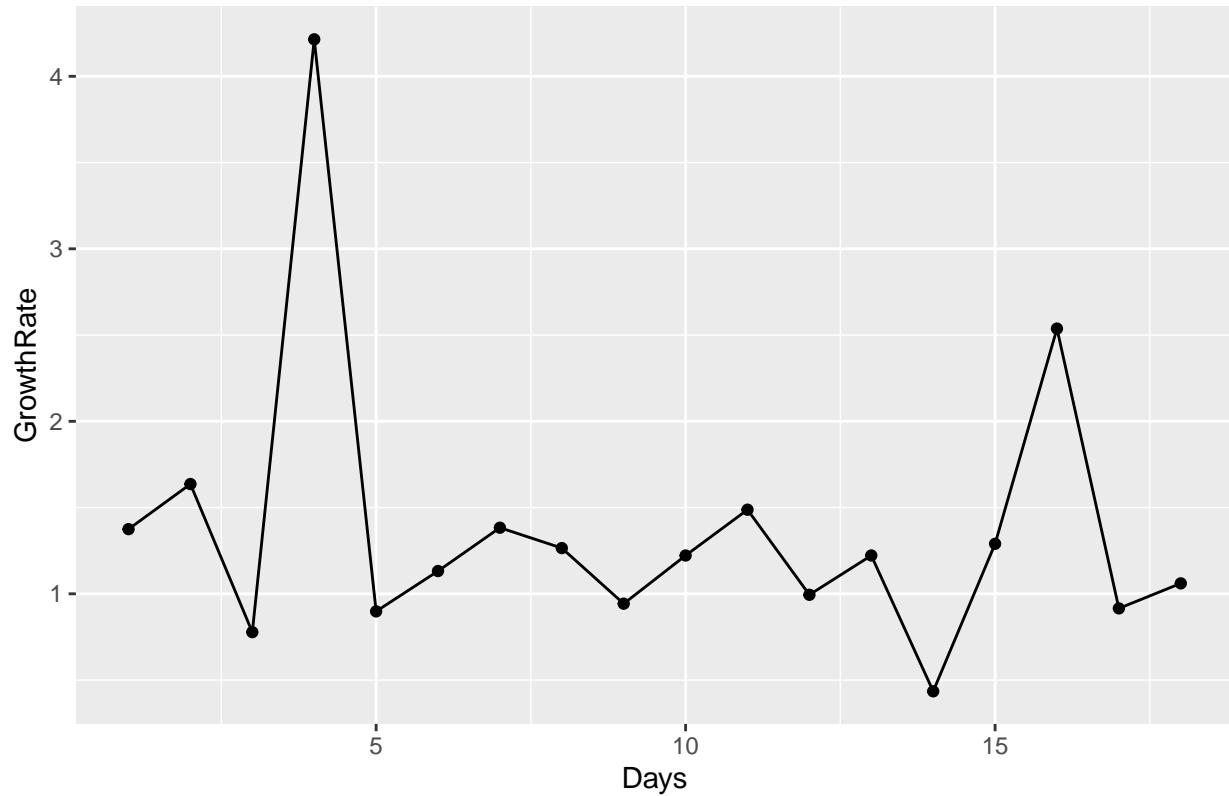
US: Daily Cases



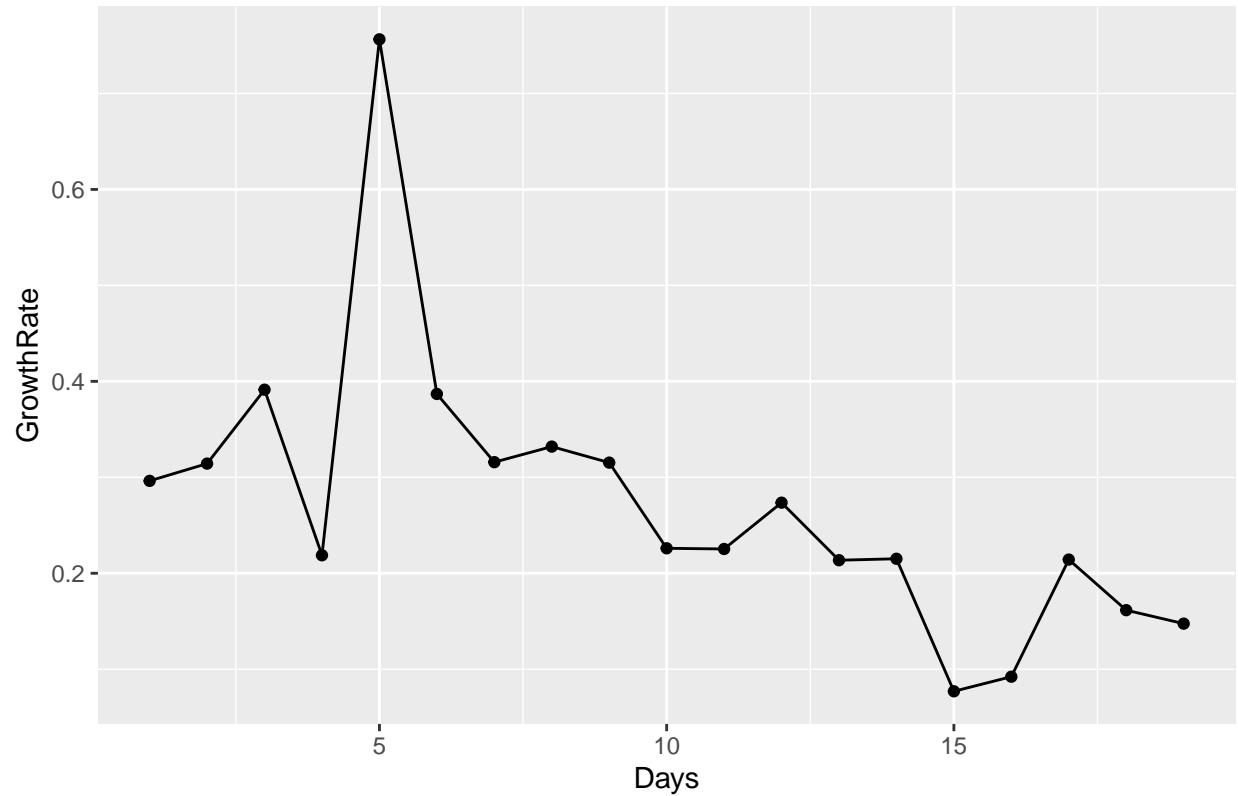
US: Daily Cases



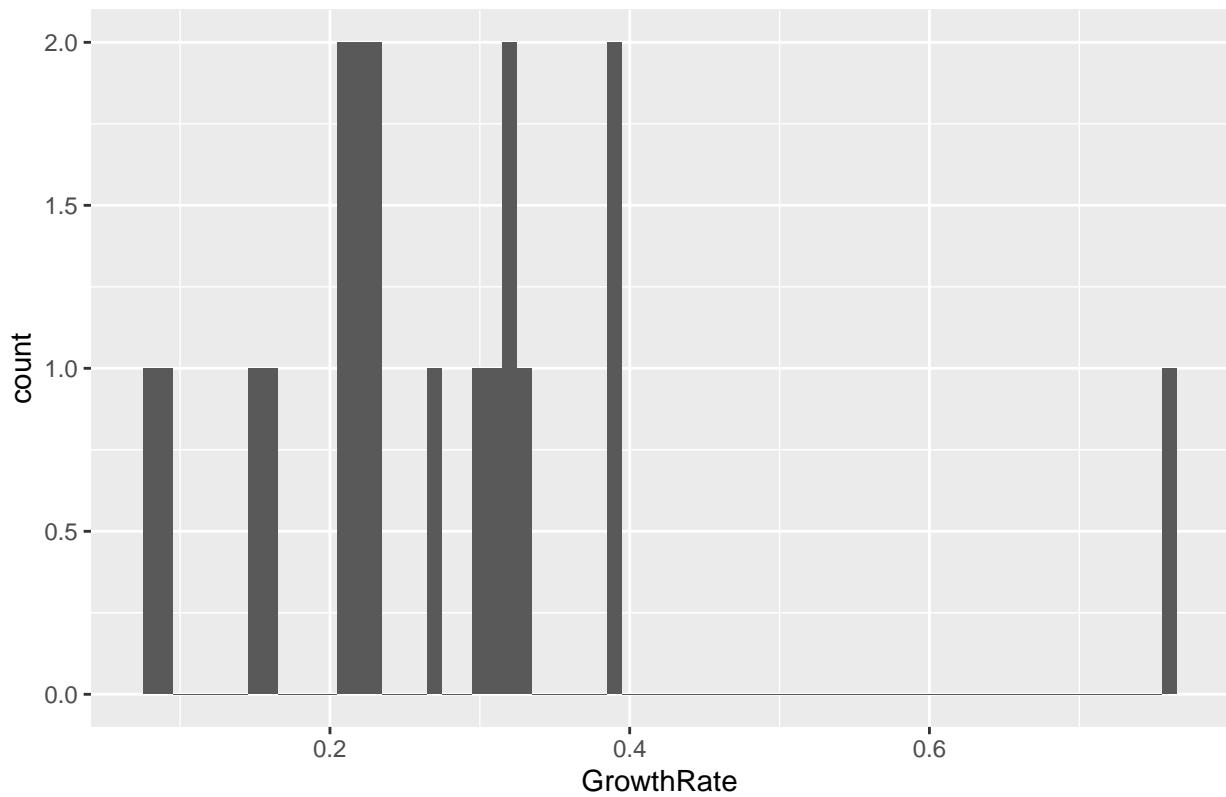
US: Rate of change in Growth Rate



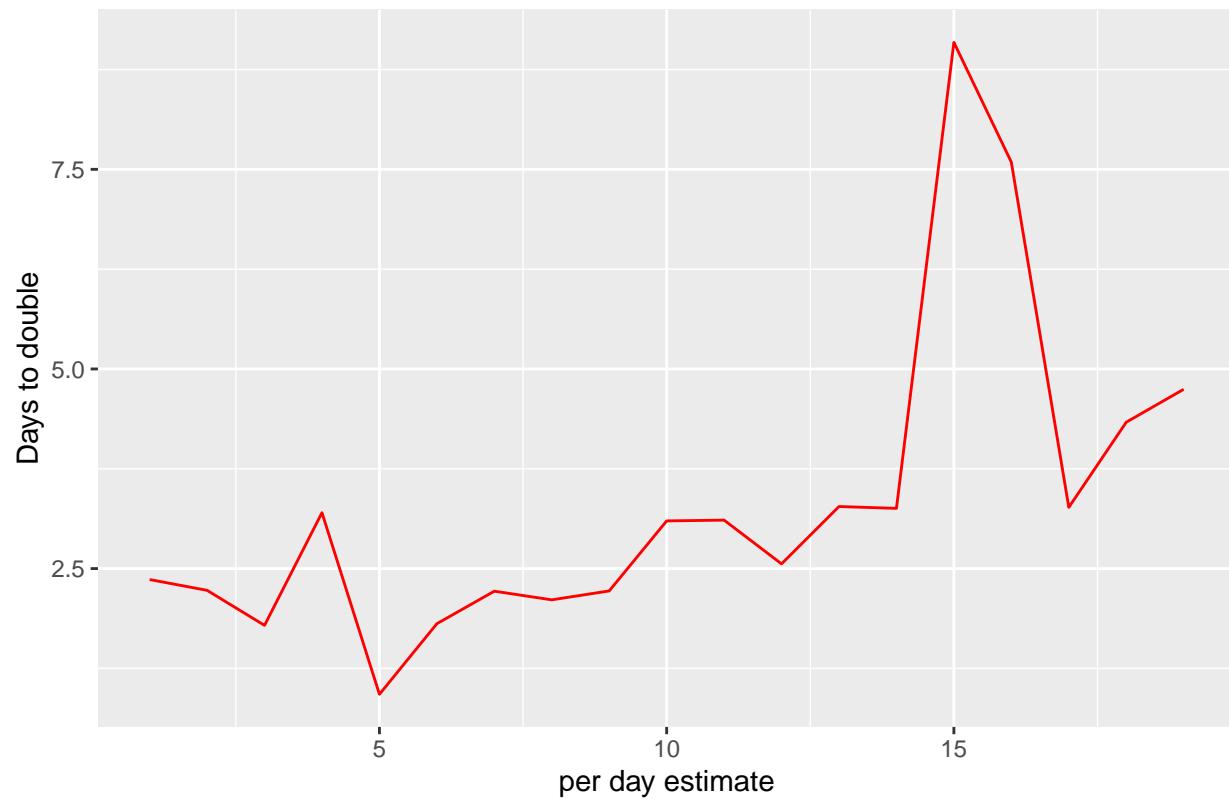
US: Growth Rate



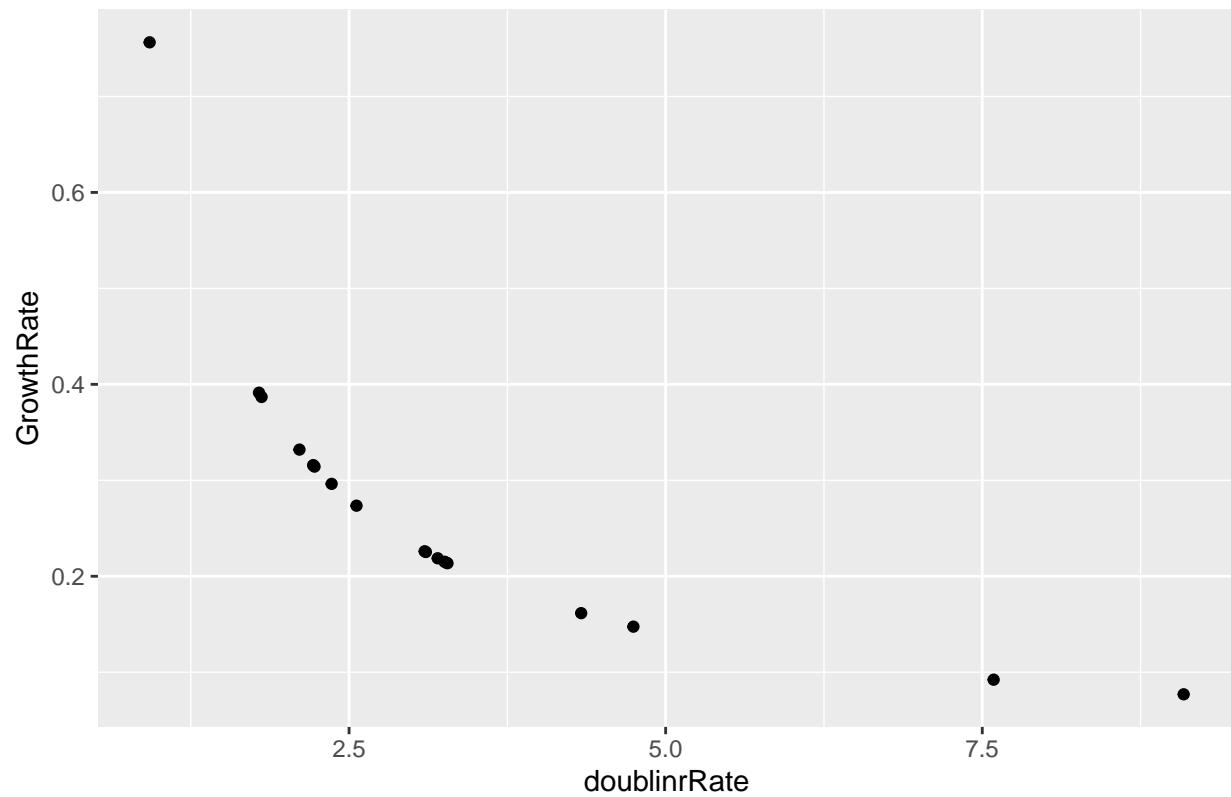
Histogram of GrowthRate

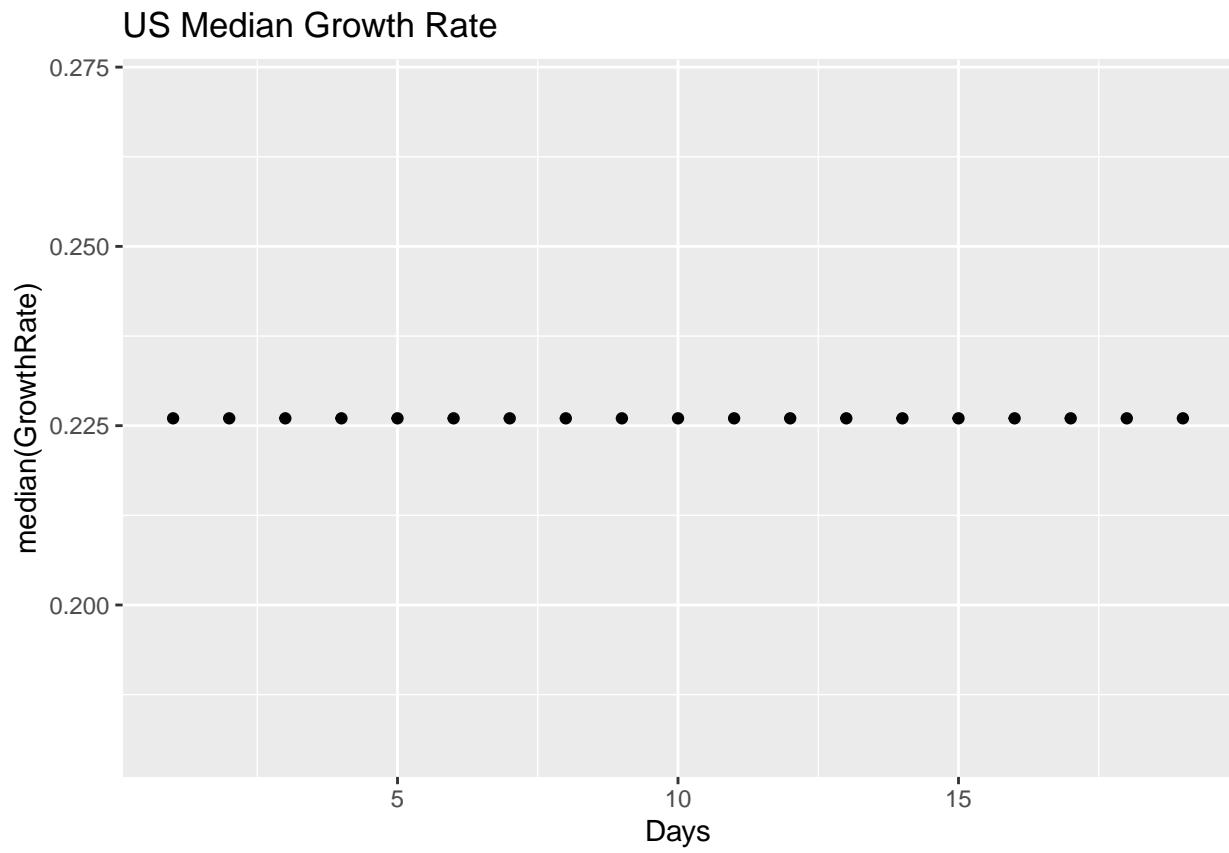


Doubling Rate in days



Doubling Rate vs Growth Rate



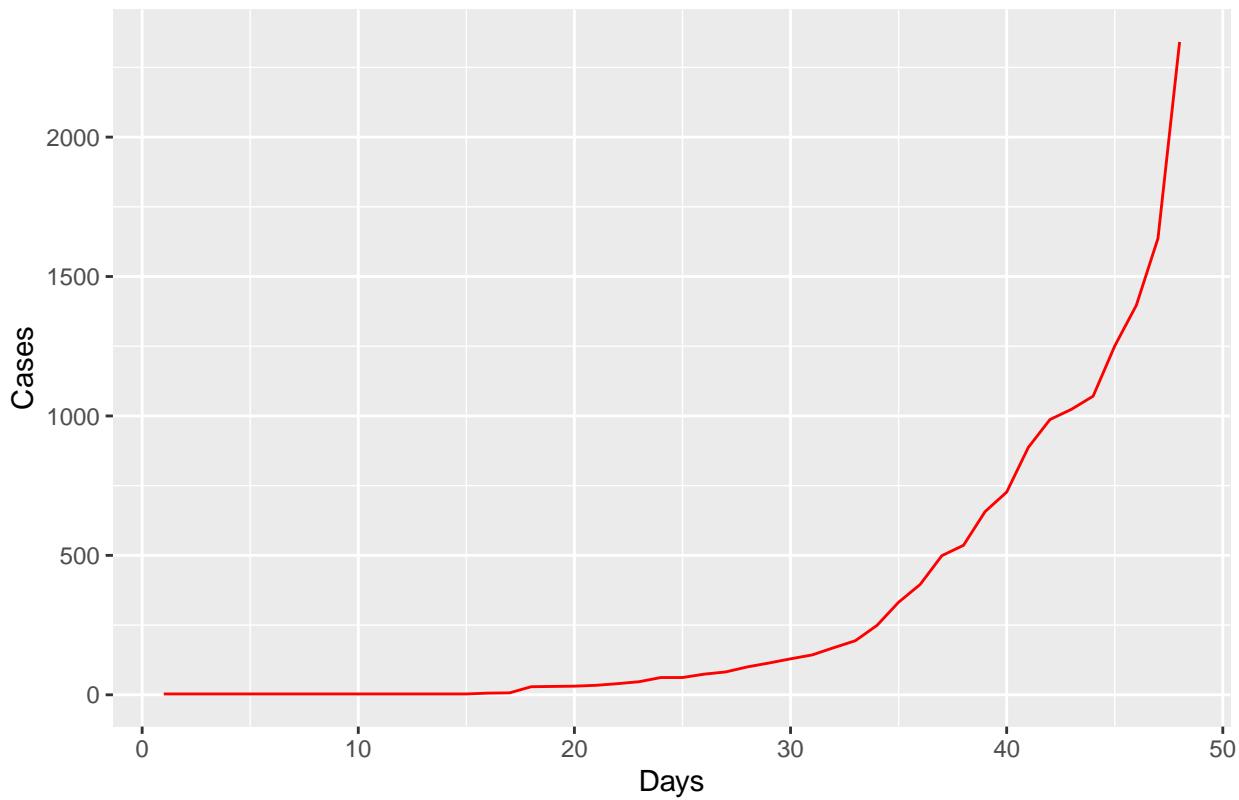


Results:

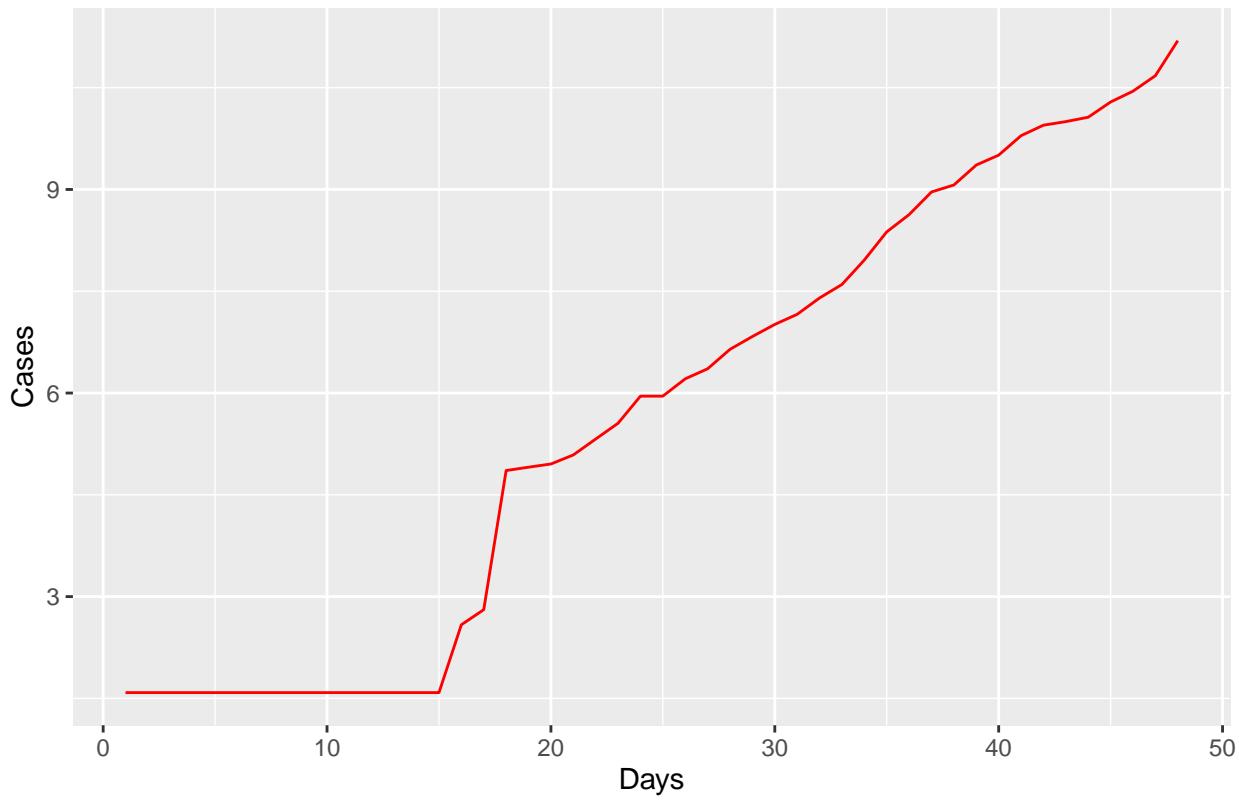
- Tomorrows predicted case number is between 2.6998878×10^5 and 2.9934214×10^5 cases.
- Current doubling rate is **5 days**
- Mean doubling rate, i.e number of cases doubles every **3 days**.
- Median doubling rate, i.e number of cases doubles every **3 days**.
- Latest Observed Growth Rate **14.7516278** percent.
- Mean Growth Rate: **27.2275032** percent.
- Median Growth Rate: **22.6027397** percent.
- Standard deviation: +/- **14.662764**.

India Corona Dashboard

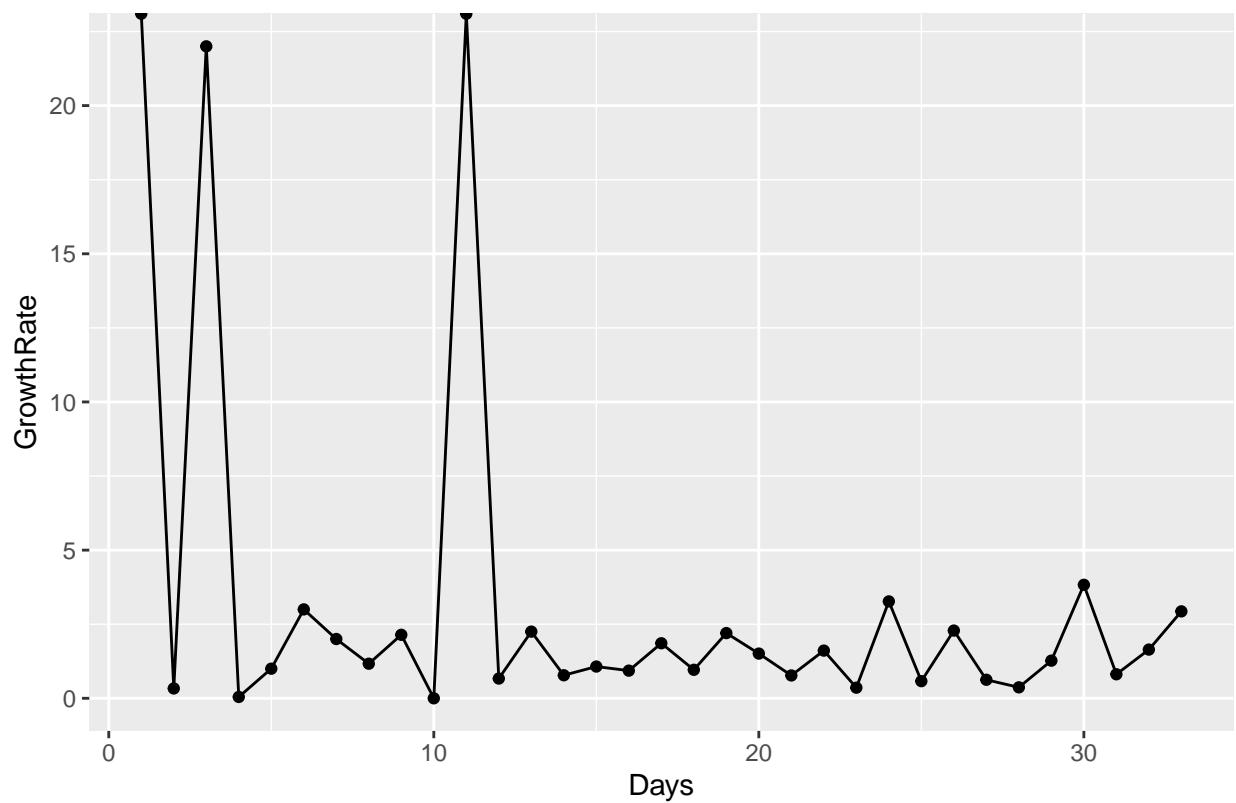
India: Daily Cases



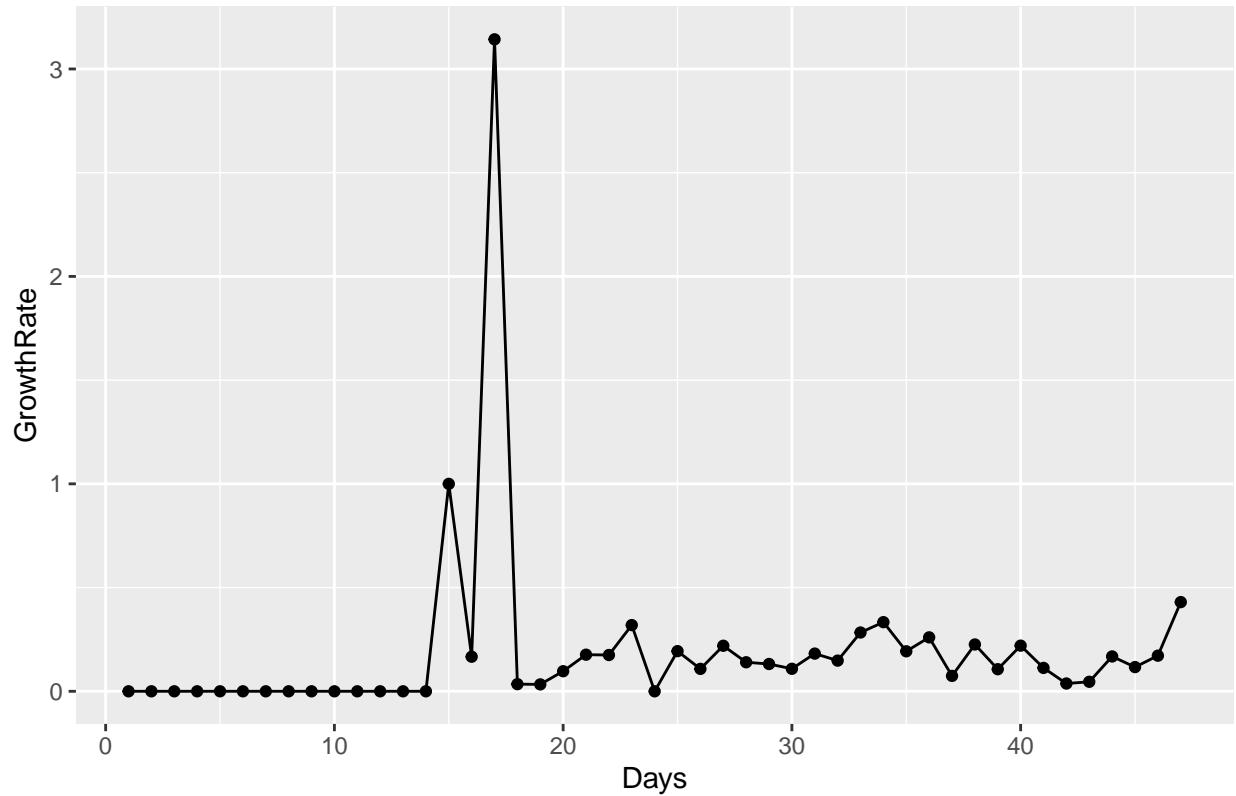
India: Daily Cases



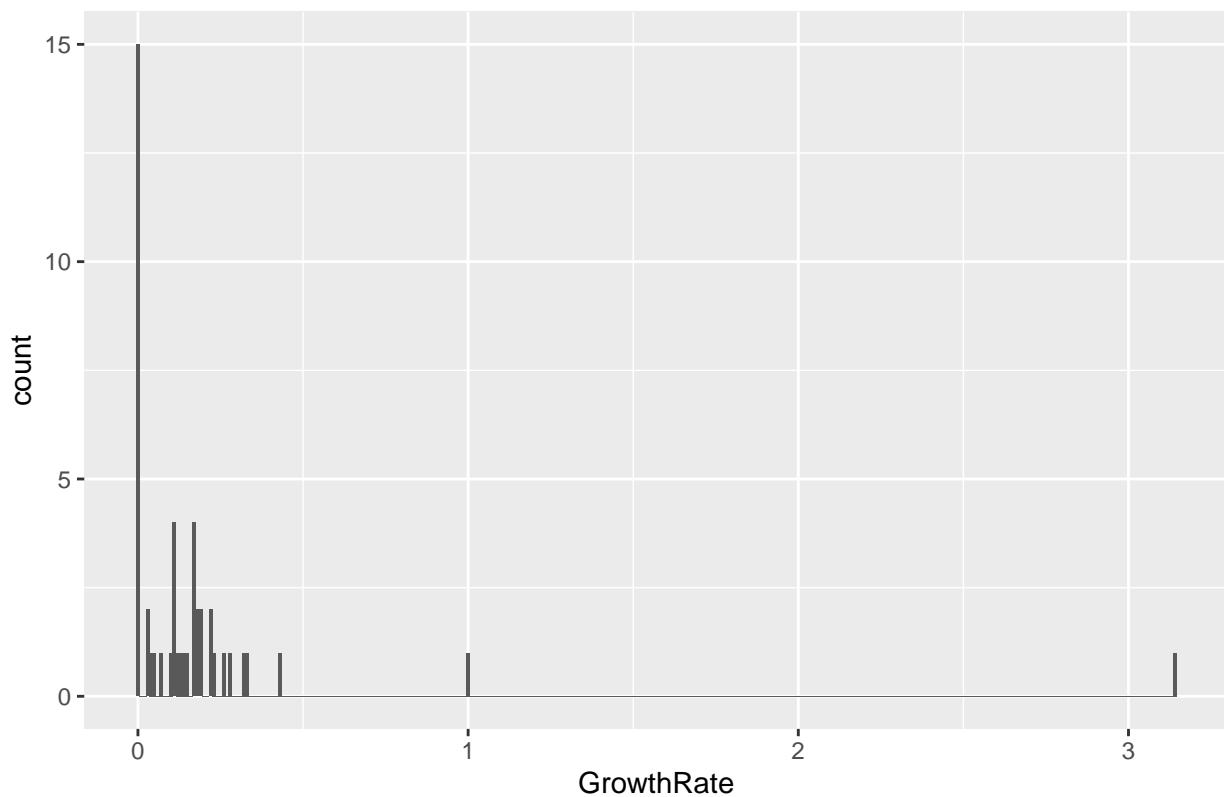
US: Rate of change in Growth Rate



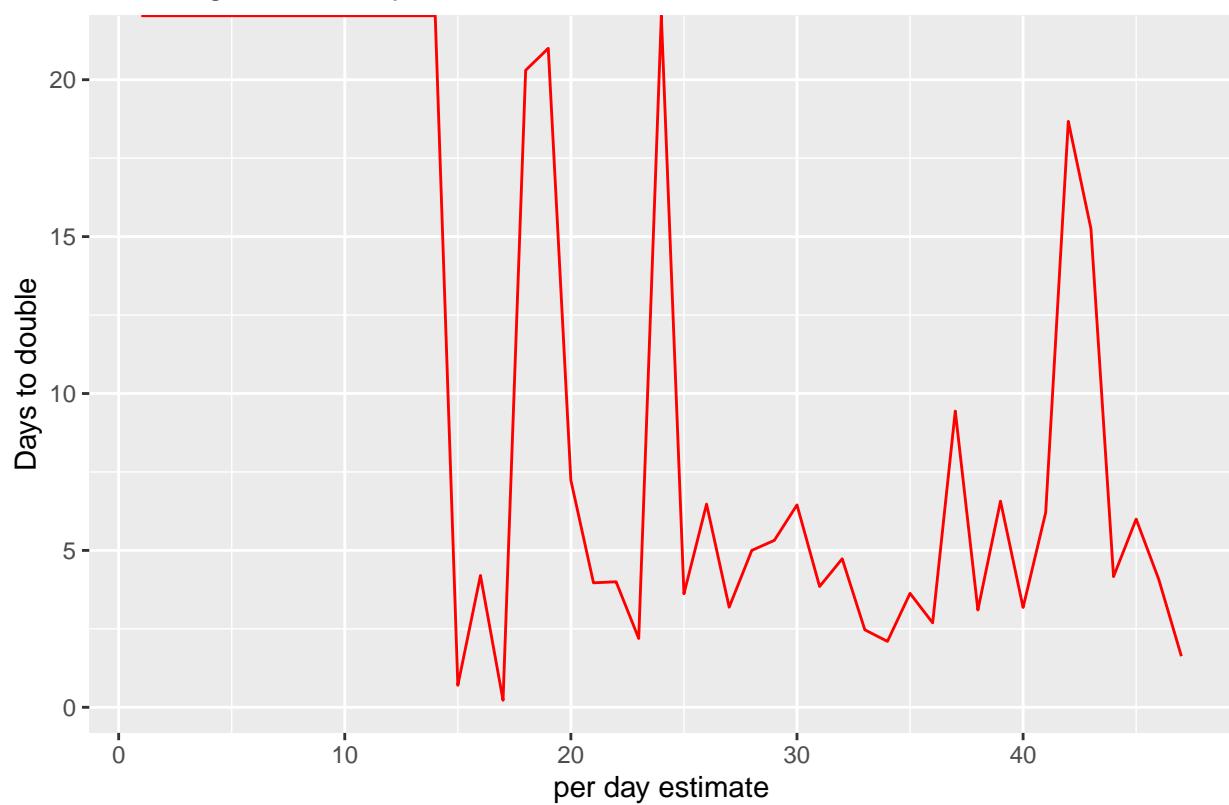
India: Growth Rate



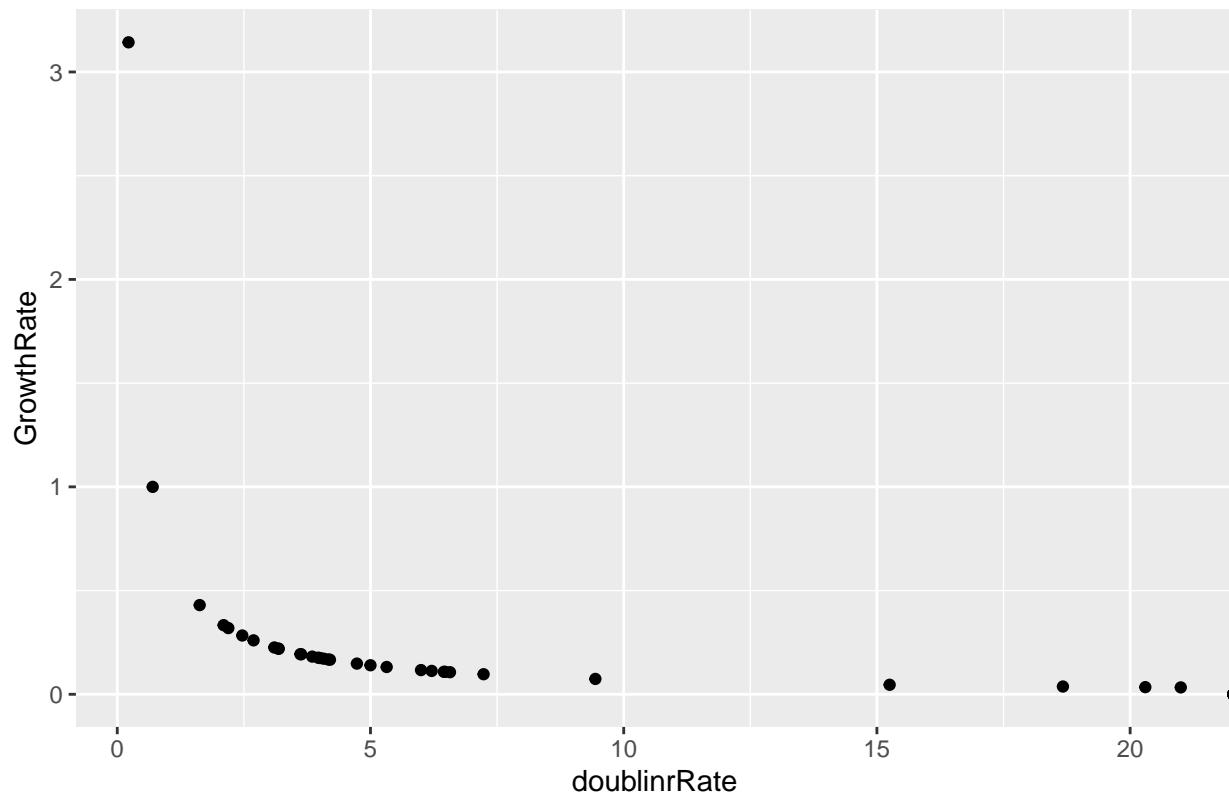
Histogram of GrowthRate



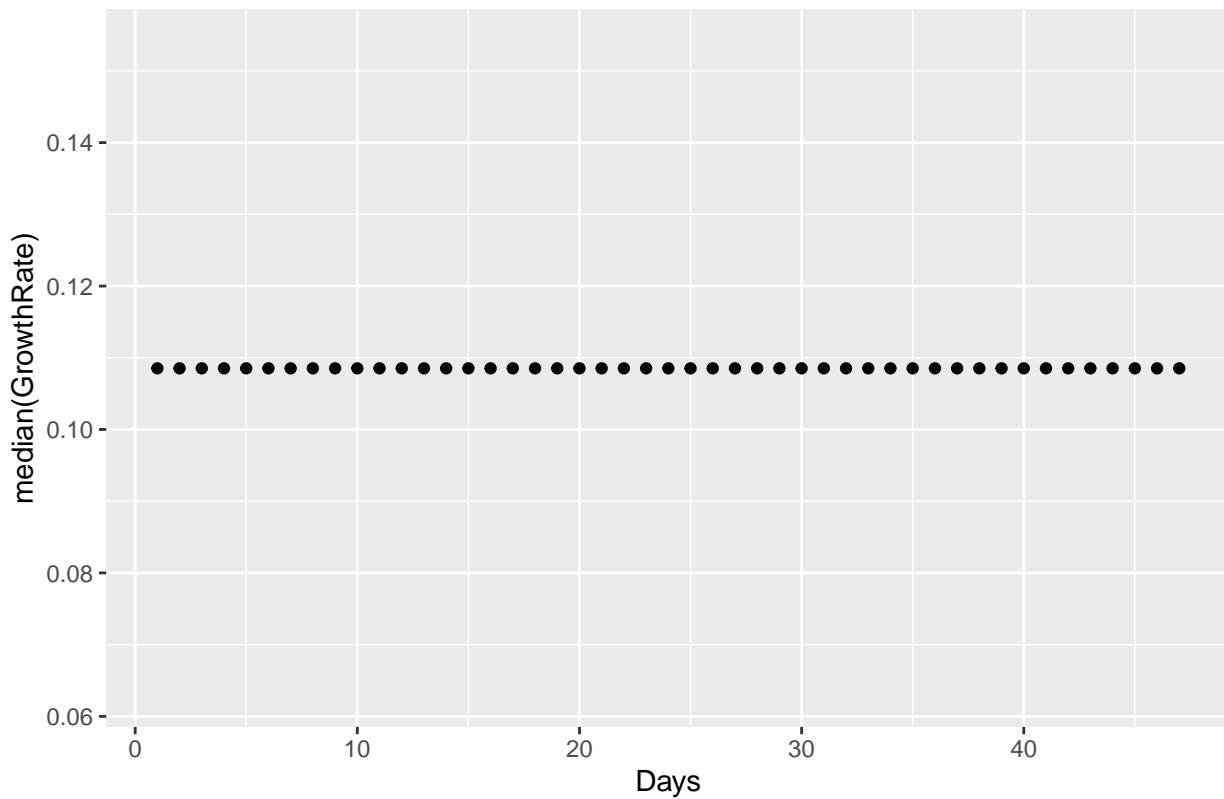
Doubling Rate in days



Doubling Rate vs Growth Rate



India Median Growth Rate



Results:

- Tomorrows predicted case number is between **3347.7587049** and **2796.9839167** cases.
- Current doubling rate is **2 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 **43.0054979** percent.
- Mean Growth Rate: **19.4781682** percent.
- Median Growth Rate: **10.8527132** percent.
- Standard deviation: +/- **47.0510943**.