

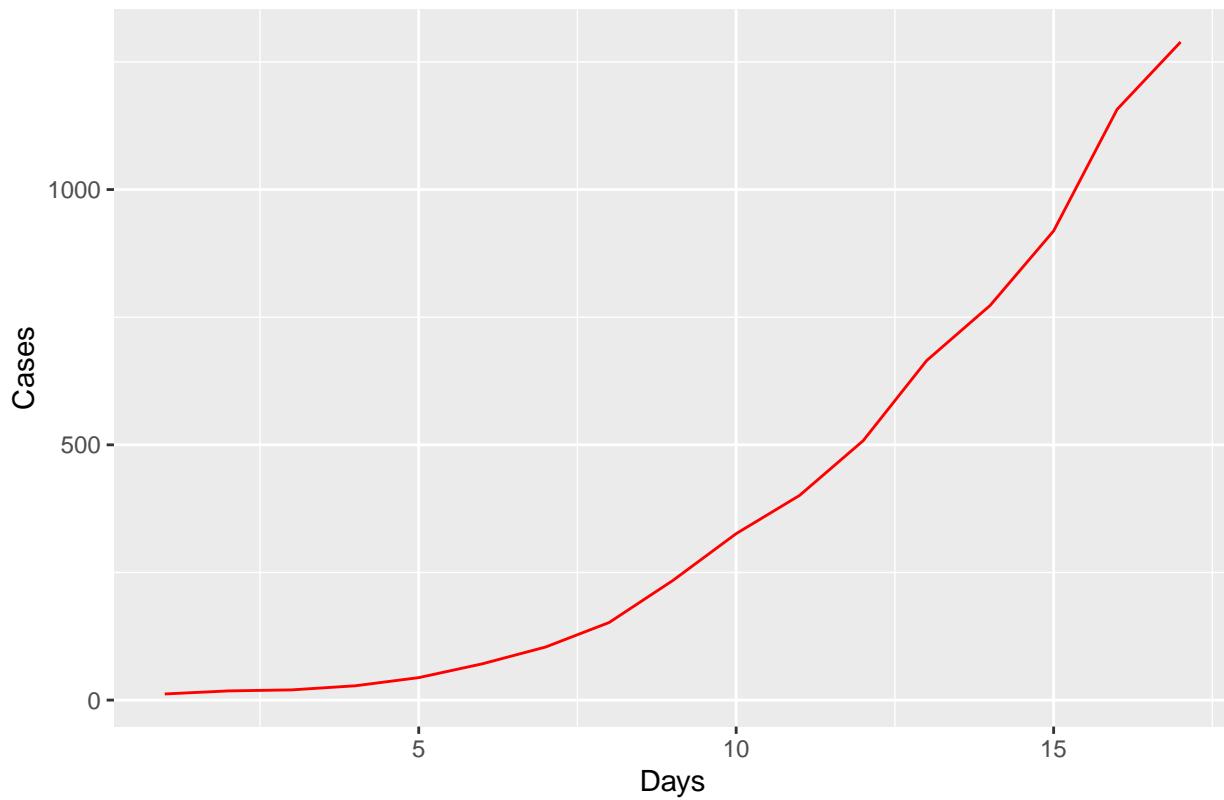
Arizona/US/India Corona Trends-31st March 2020 with tomorrow's prediction

Whitchurch Muthumani

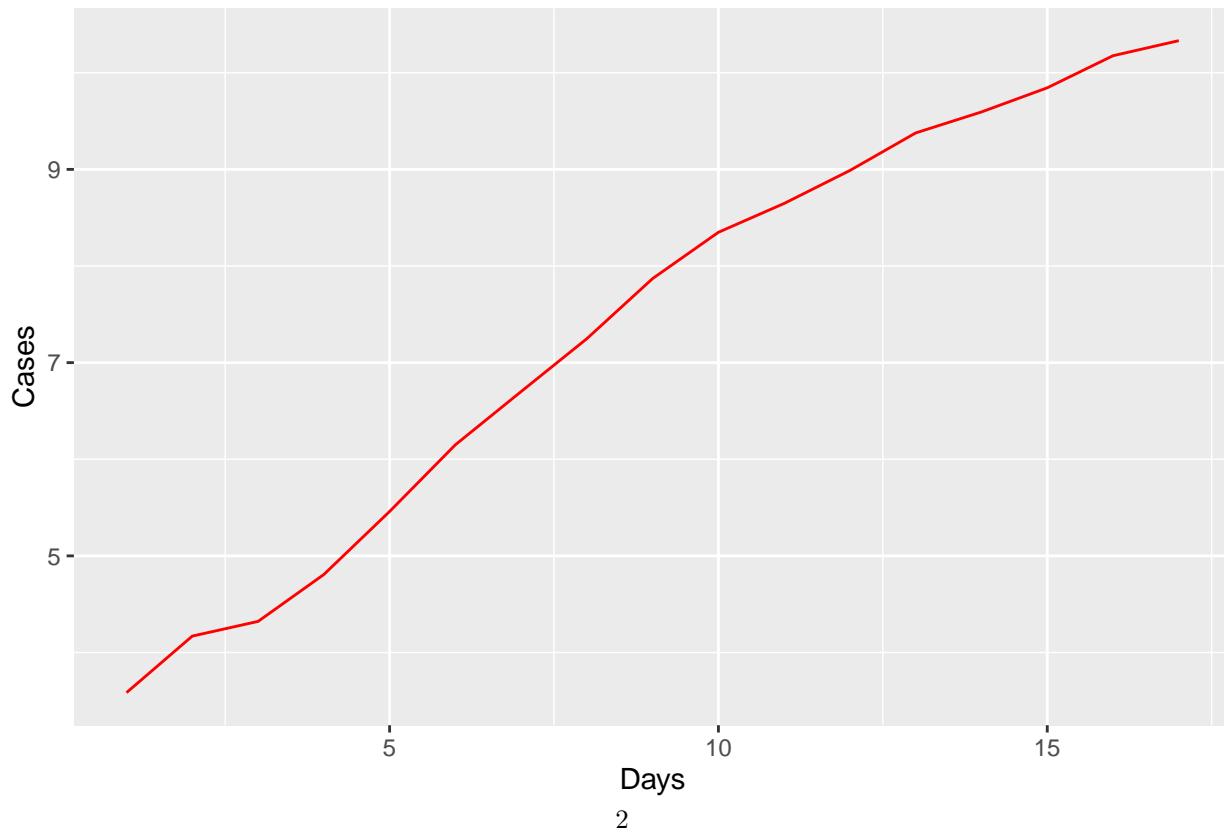
3/31/2020

Arizona Corona Dashboard

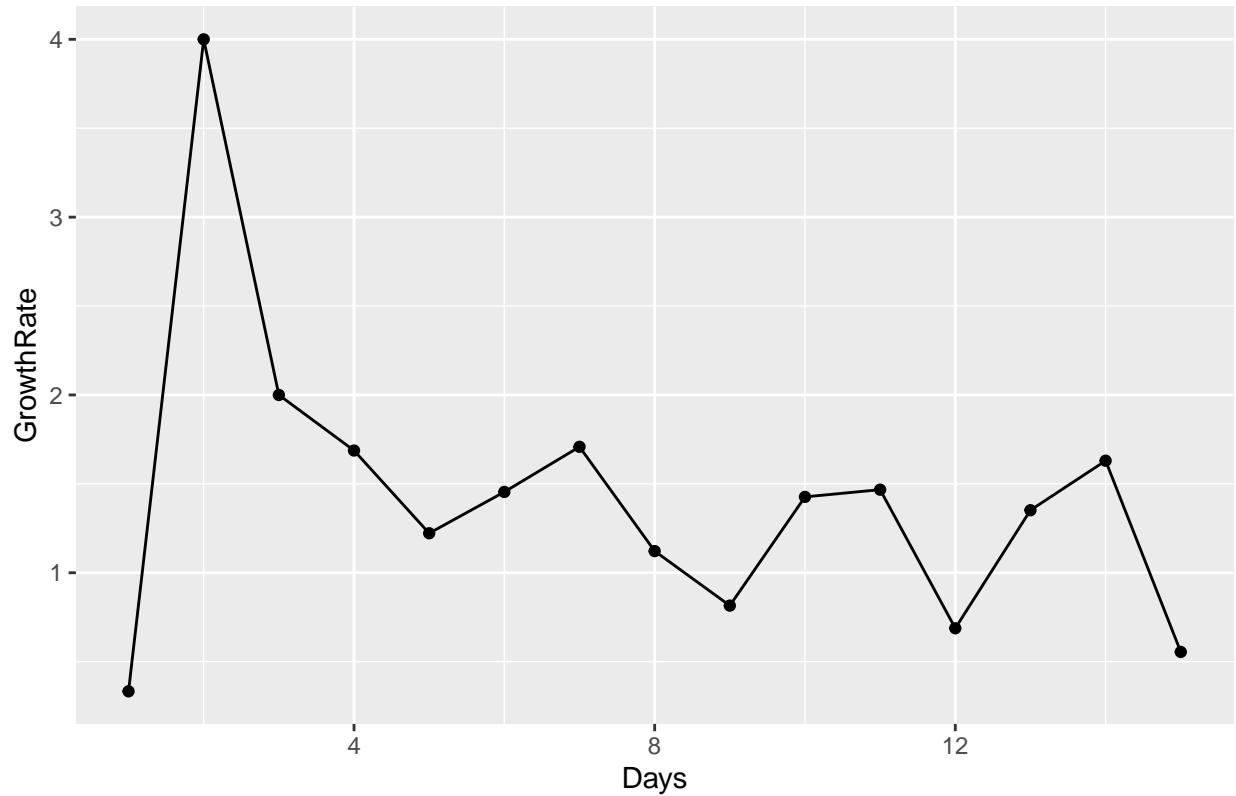
Arizona: Daily Cases



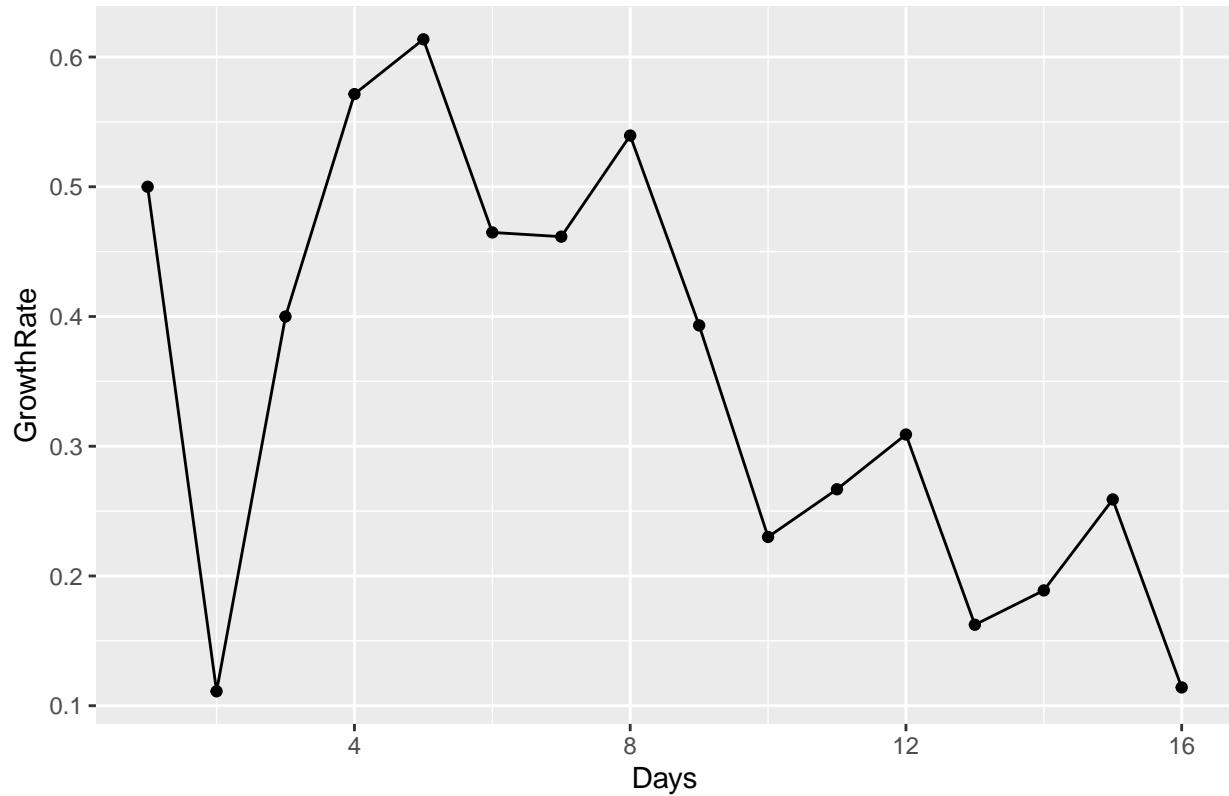
Arizona: Daily Cases



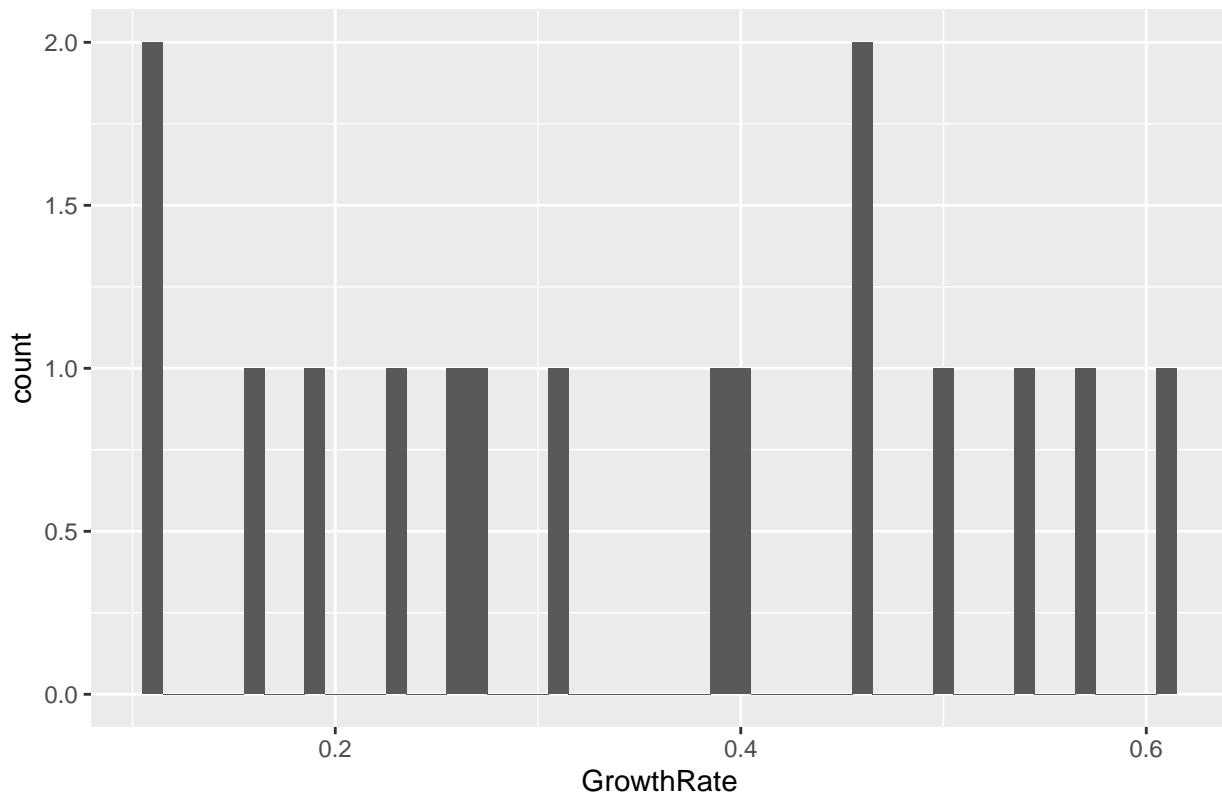
Arizona: Rate of change in Growth Rate



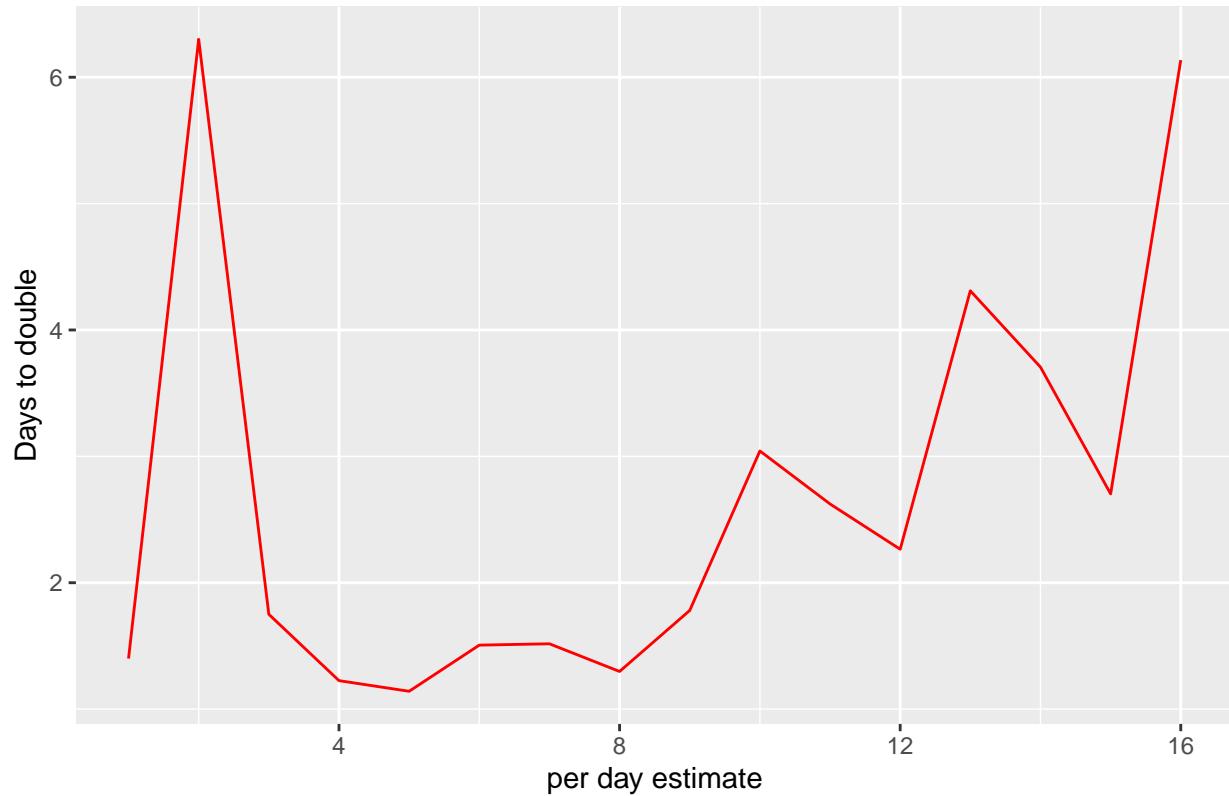
Arizona: Growth Rate



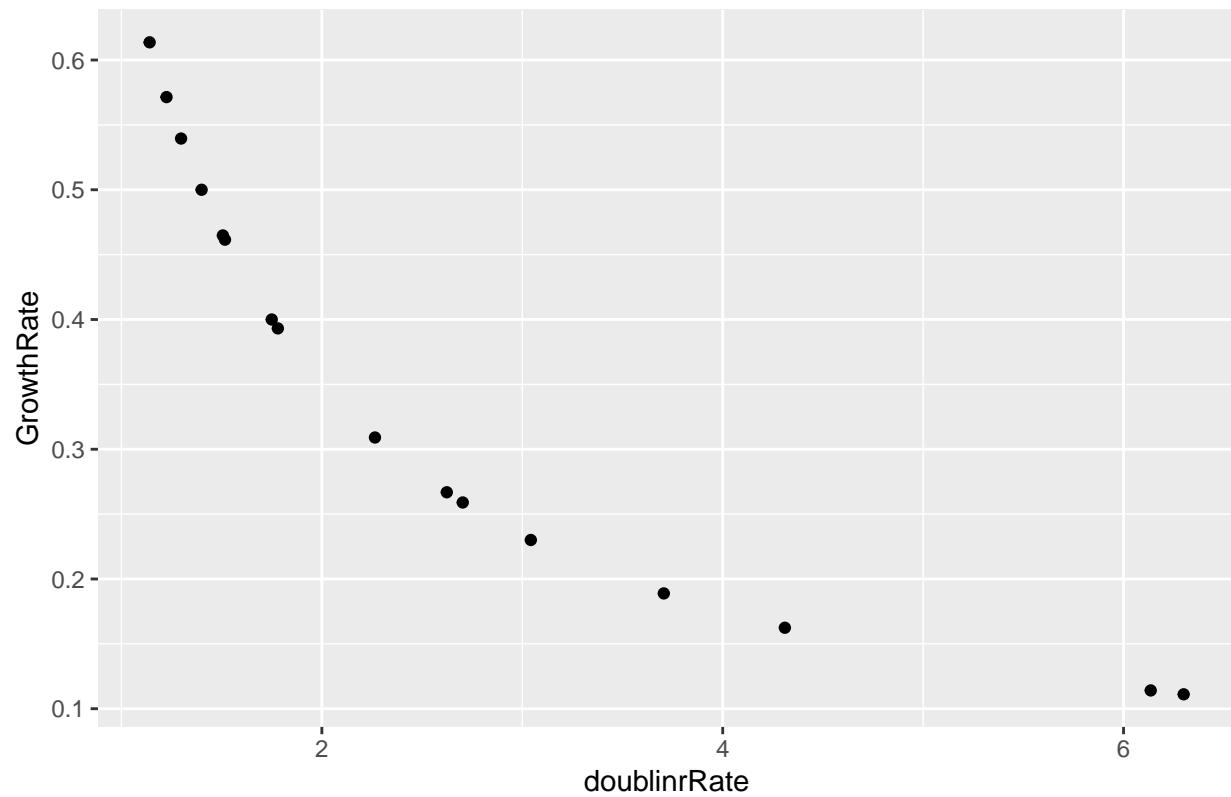
Histogram of GrowthRate

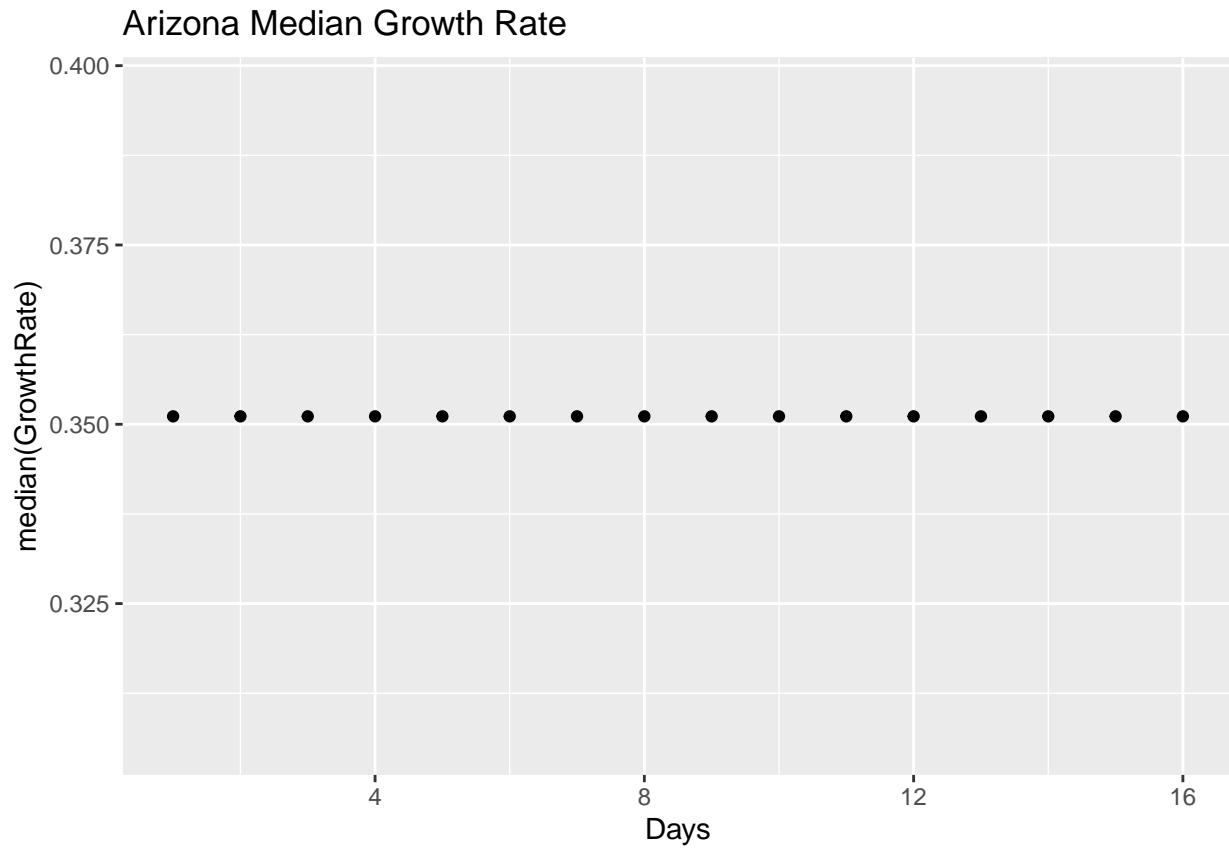


Doubling Rate in days



Doubling Rate vs Growth Rate

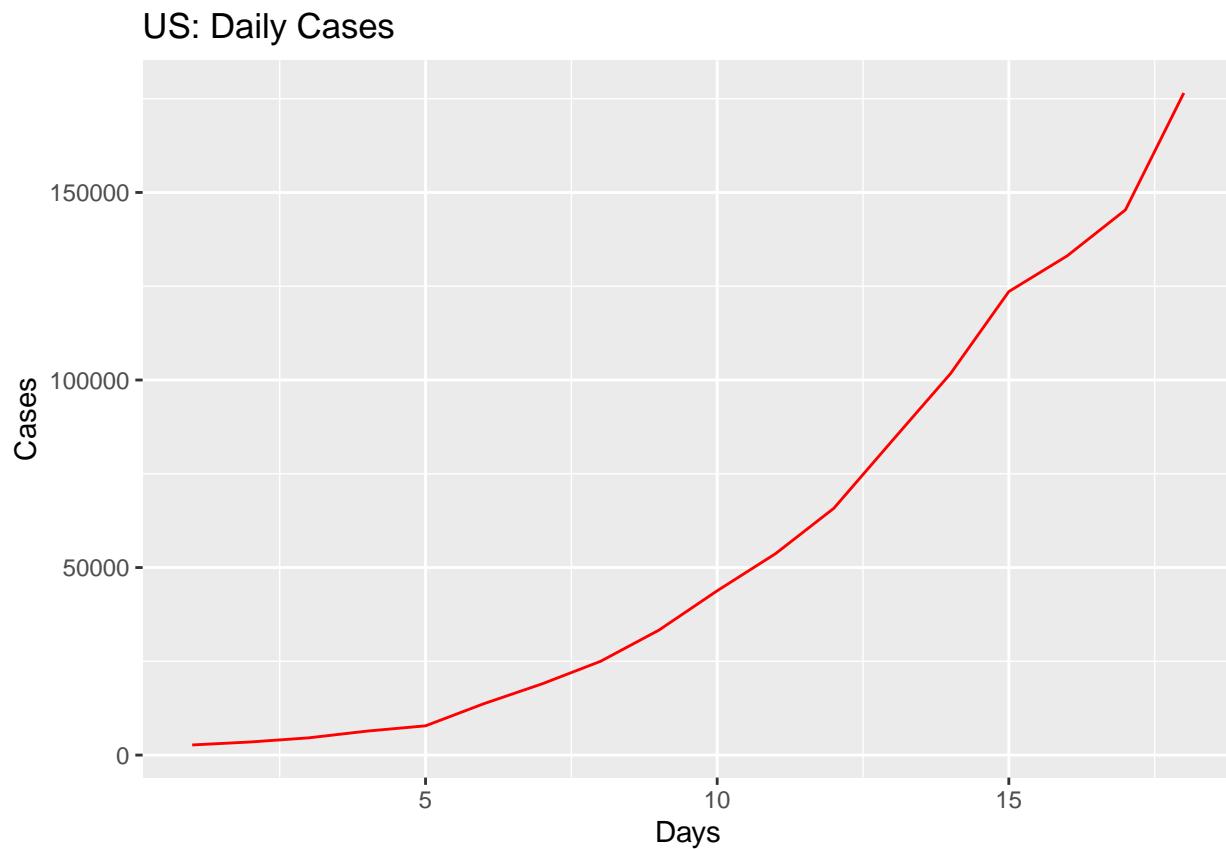




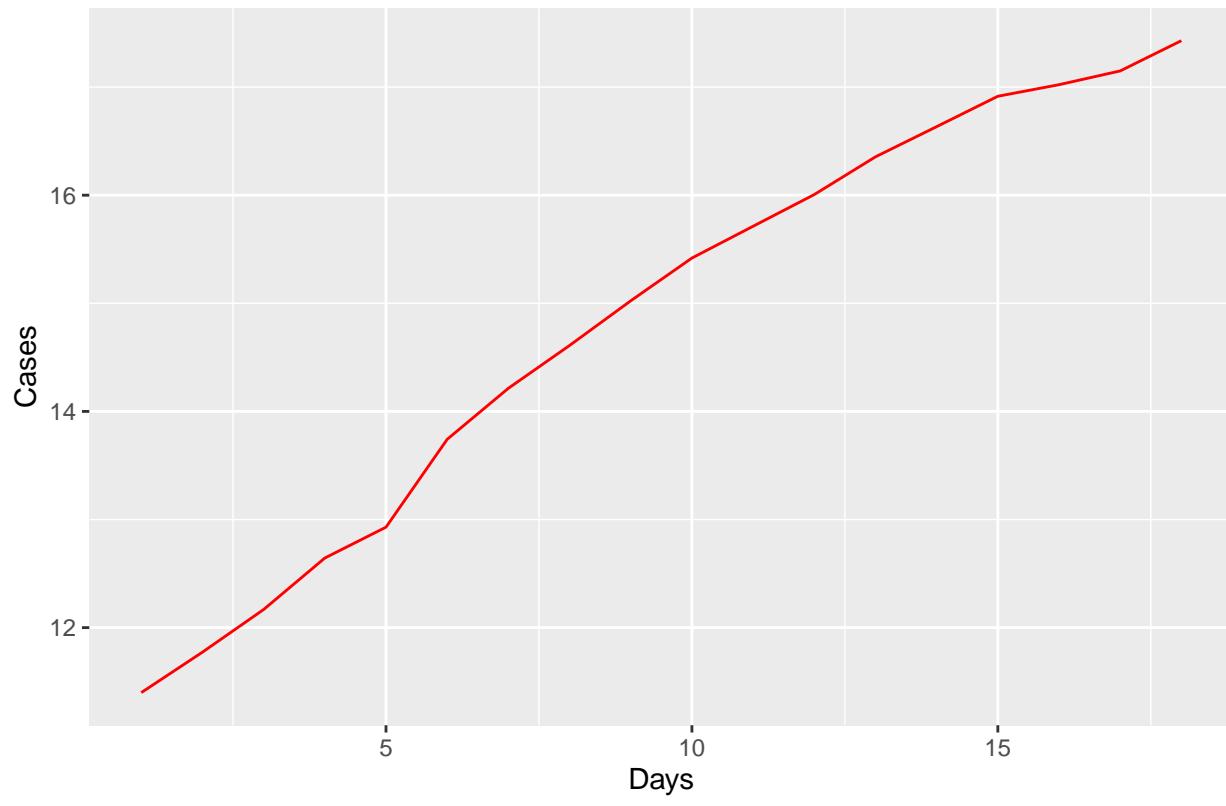
Results:

- Tomorrows predicted case number is between **1436.059637** and **1738.9765702** cases.
- Current doubling rate is **6 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 **11.4088159** percent.
- Mean Growth Rate: **34.9089659** percent.
- Median Growth Rate: **35.1108756** percent.
- Standard deviation: +/- **16.573894**.

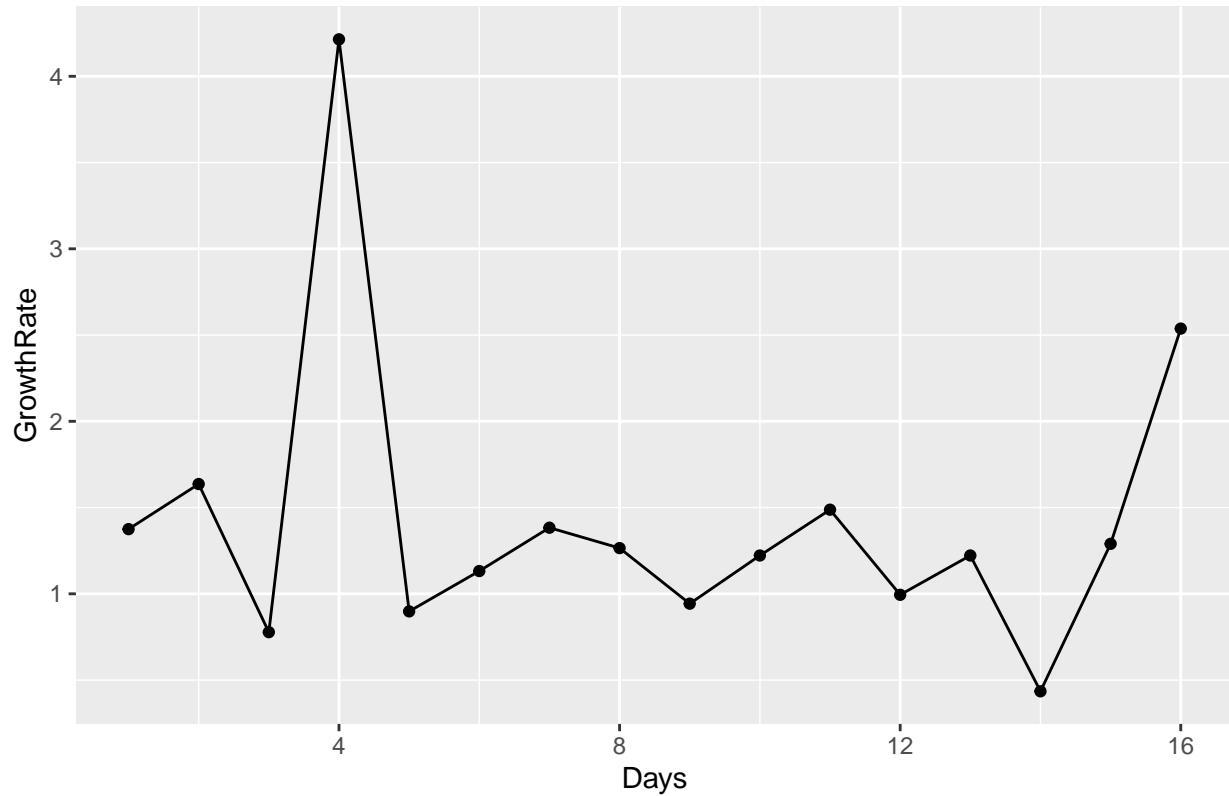
US Corona Dashboard



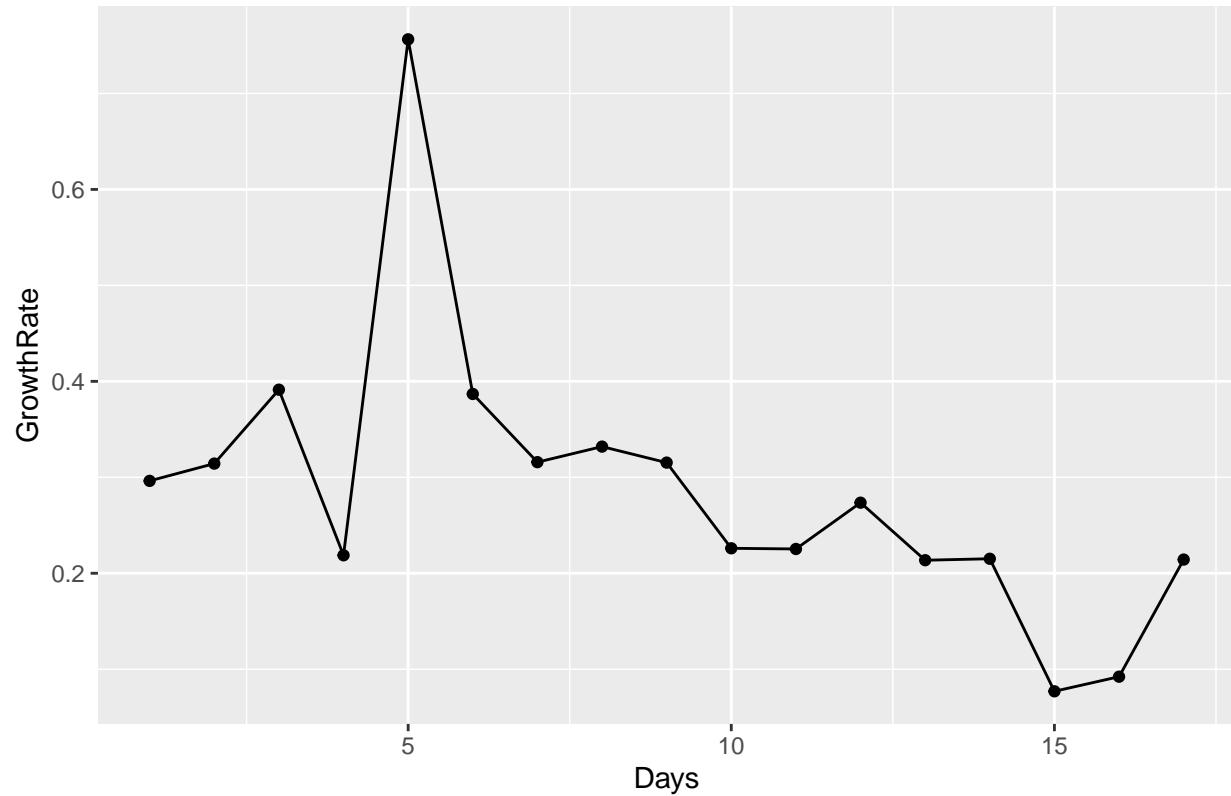
US: Daily Cases



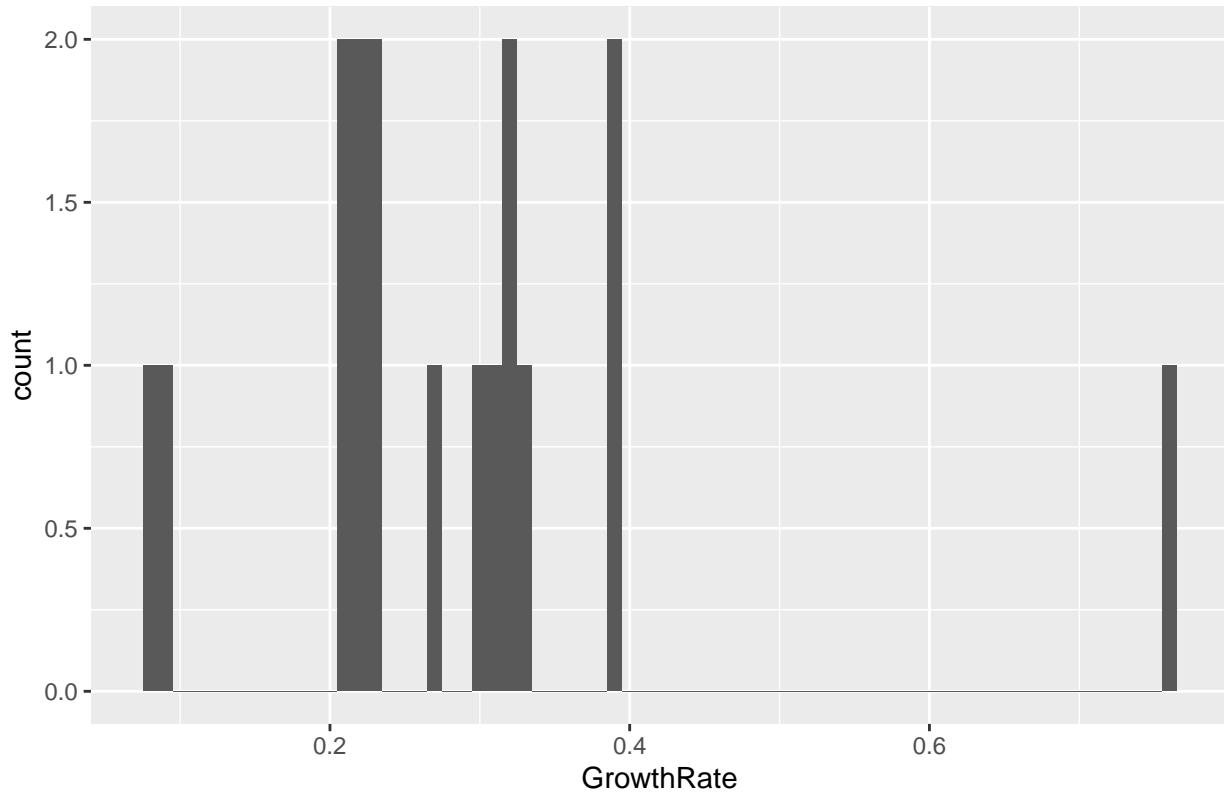
US: Rate of change in Growth Rate



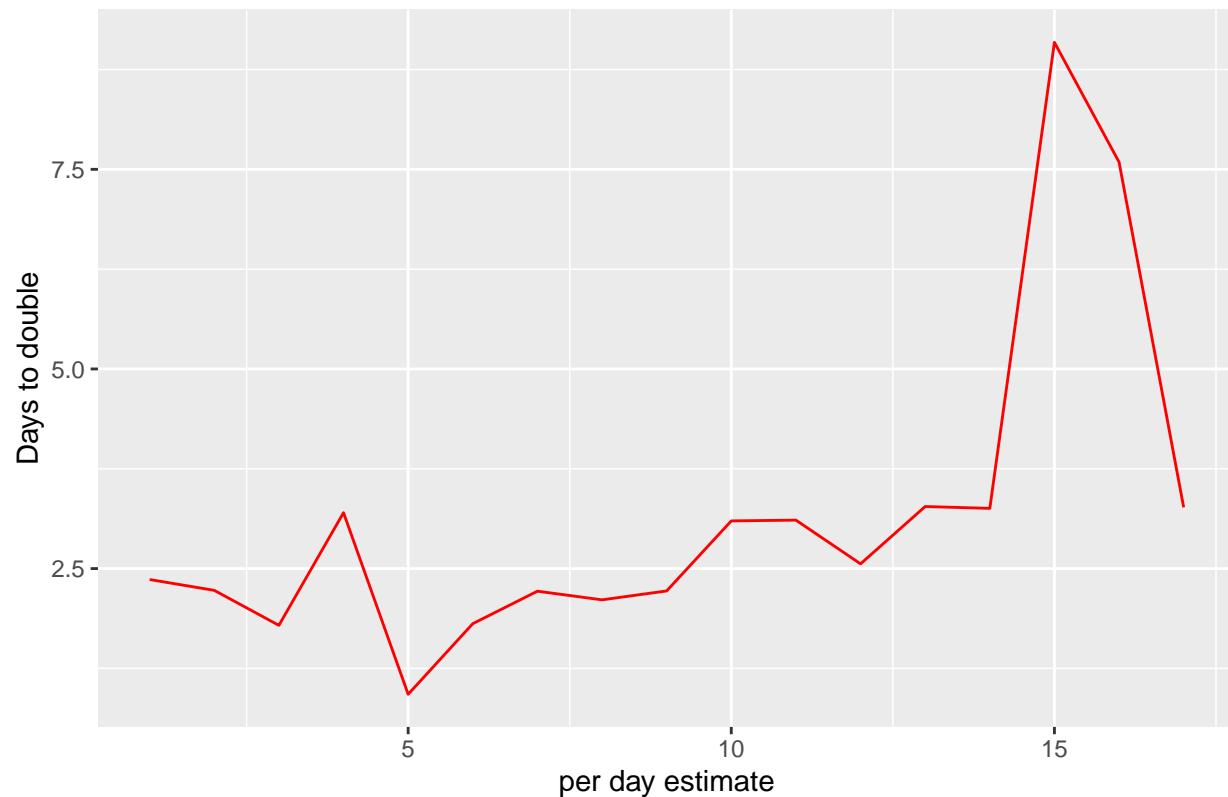
US: Growth Rate



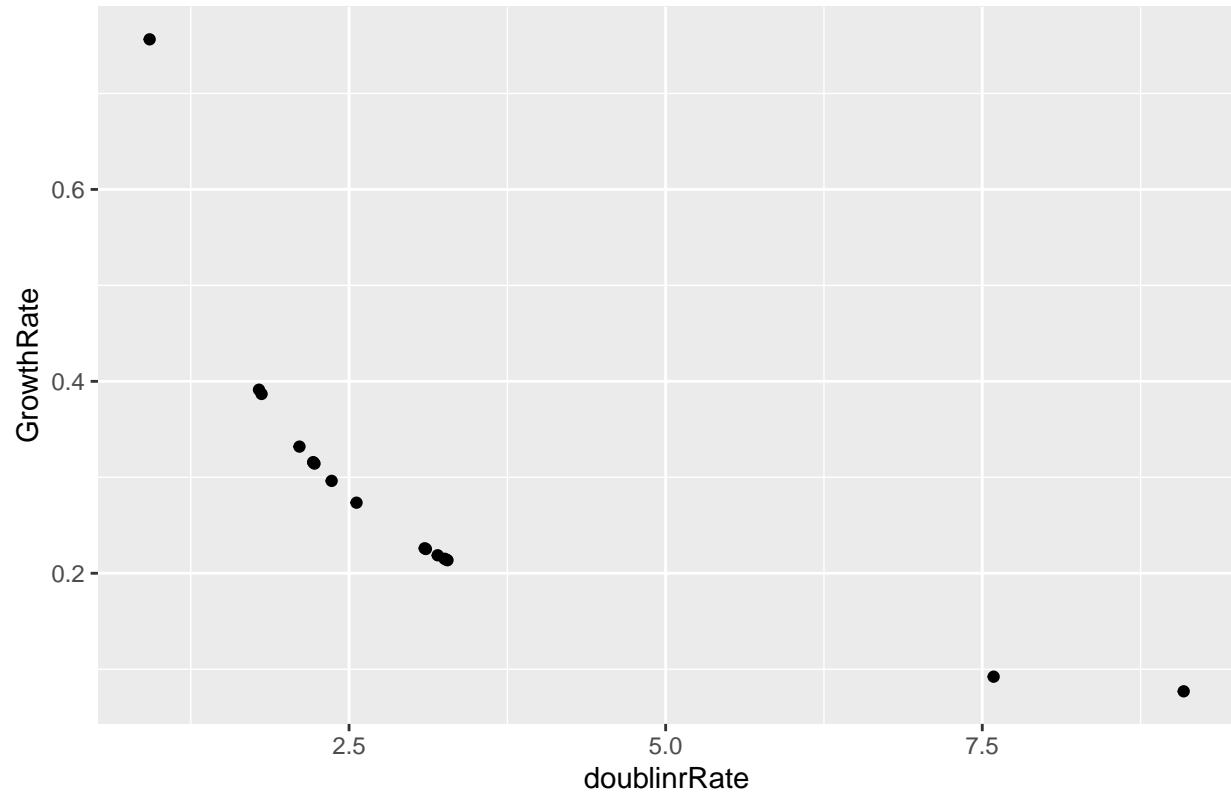
Histogram of GrowthRate



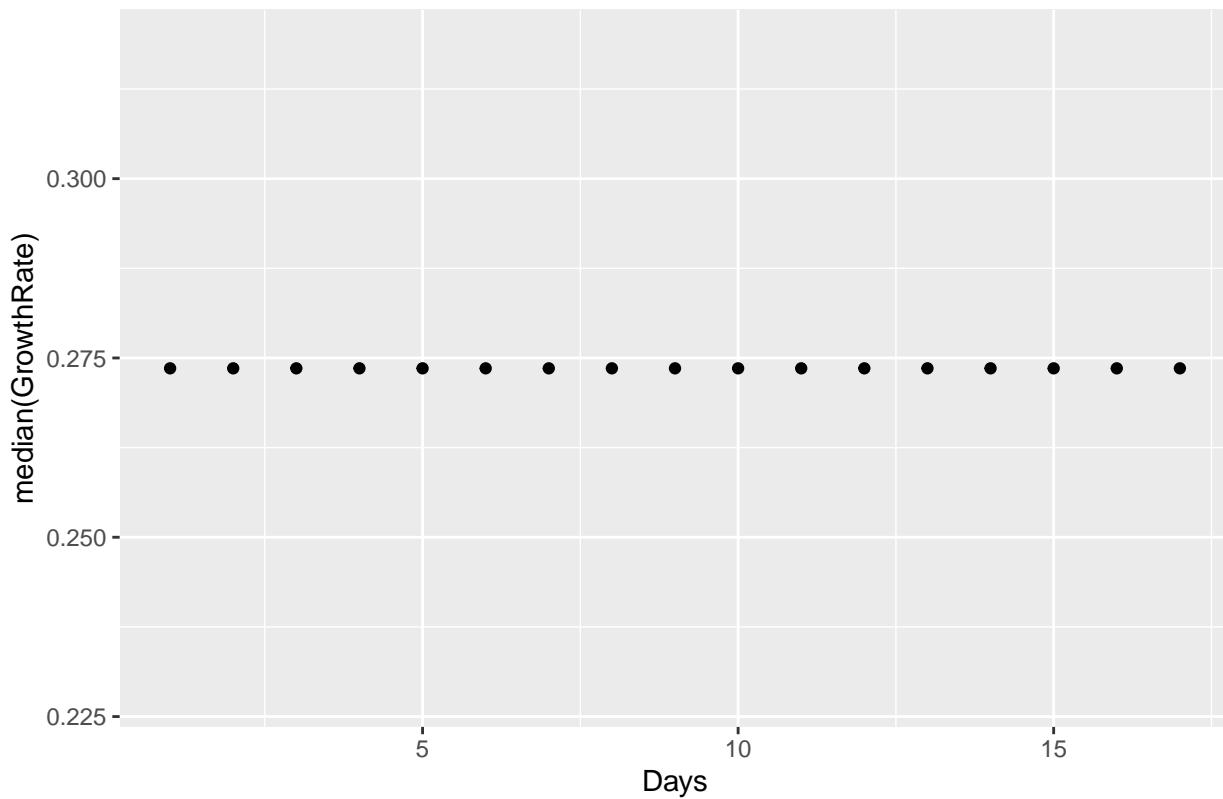
Doubling Rate in days



Doubling Rate vs Growth Rate



US Median Growth Rate

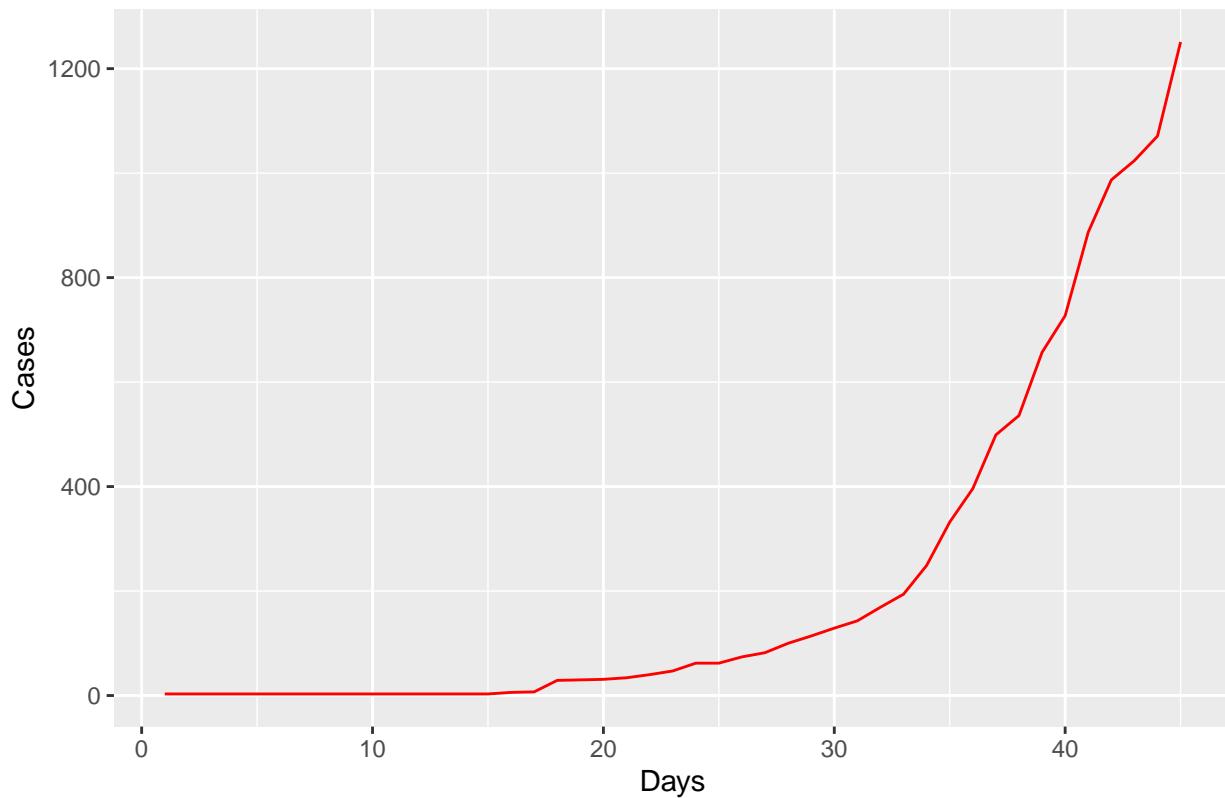


Results:

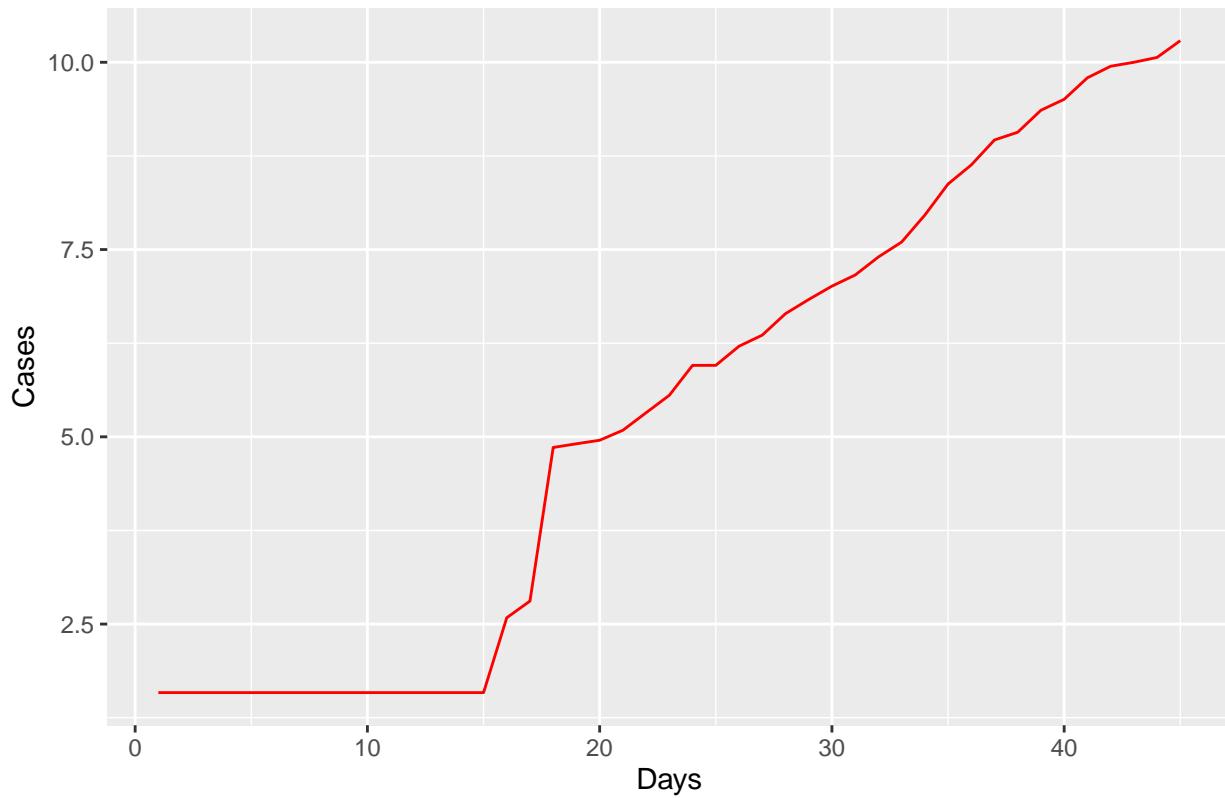
- Tomorrows predicted case number is between 2.1434146×10^5 and 2.2702454×10^5 cases.
- Current doubling rate is **3 days**
- Mean doubling rate, i.e number of cases doubles every **2 days**.
- Median doubling rate, i.e number of cases doubles every **3 days**.
- Latest Observed Growth Rate **21.4275396** percent.
- Mean Growth Rate: **28.6126847** percent.
- Median Growth Rate: **27.3556231** percent.
- Standard deviation: +/- **14.9145063**.

India Corona Dashboard

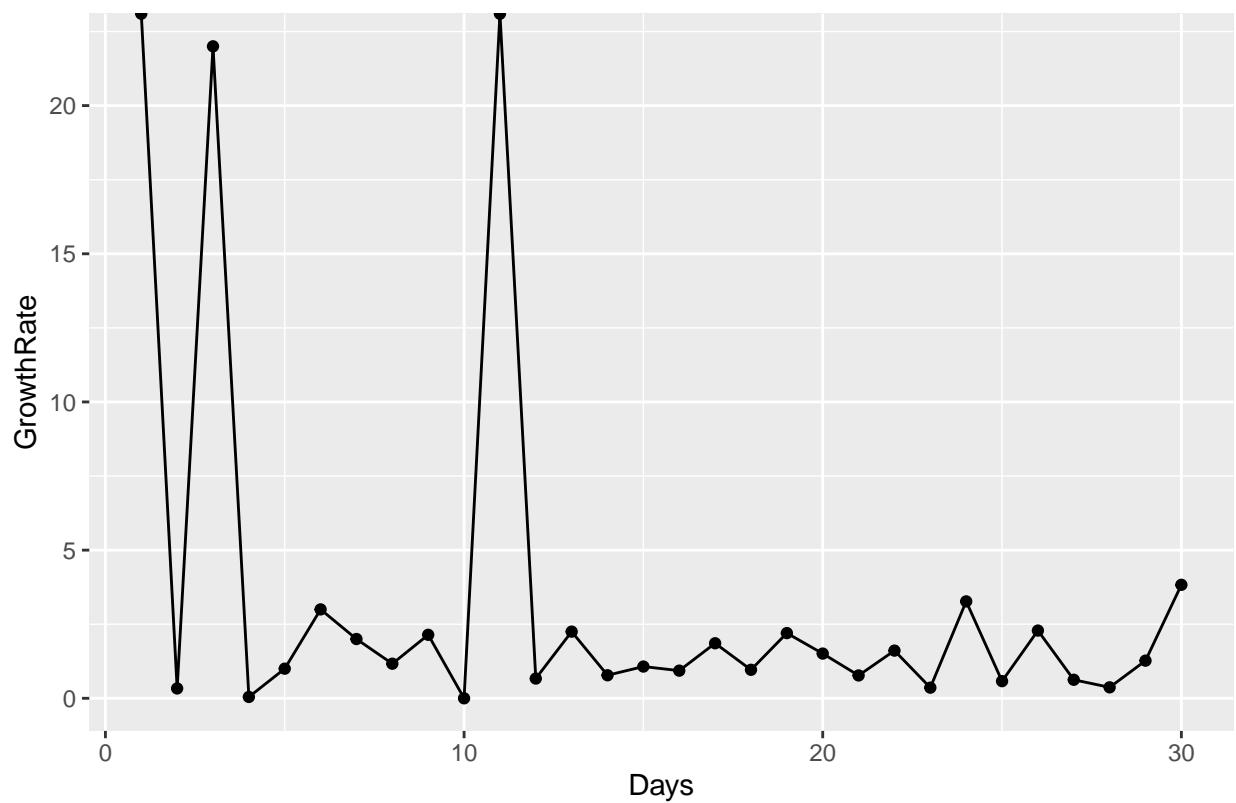
India: Daily Cases



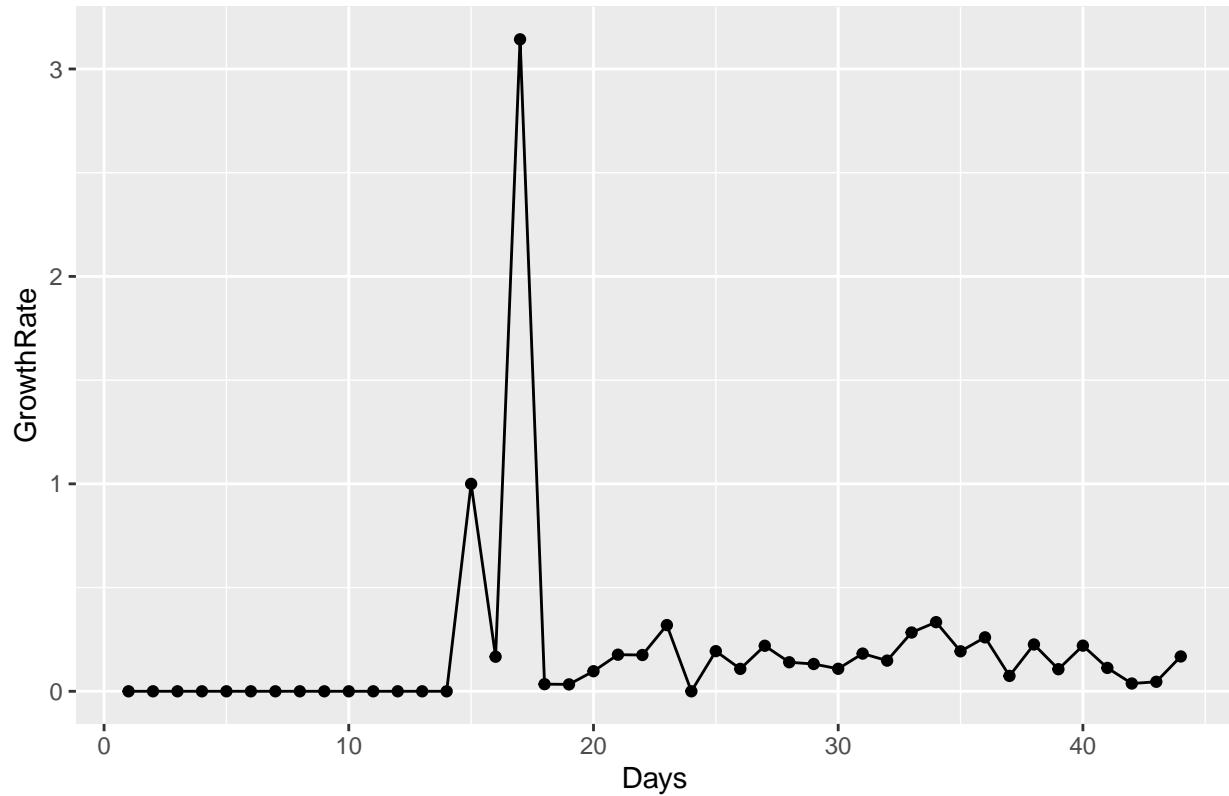
India: Daily Cases



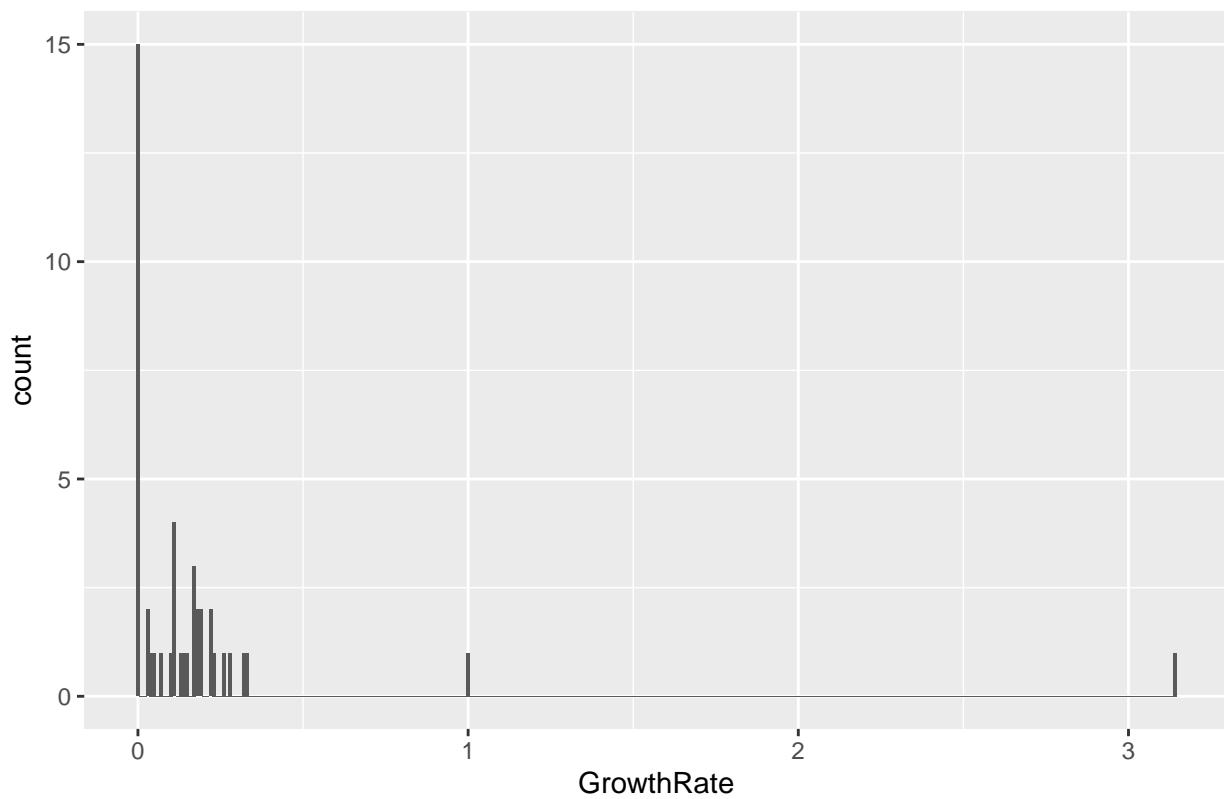
US: Rate of change in Growth Rate



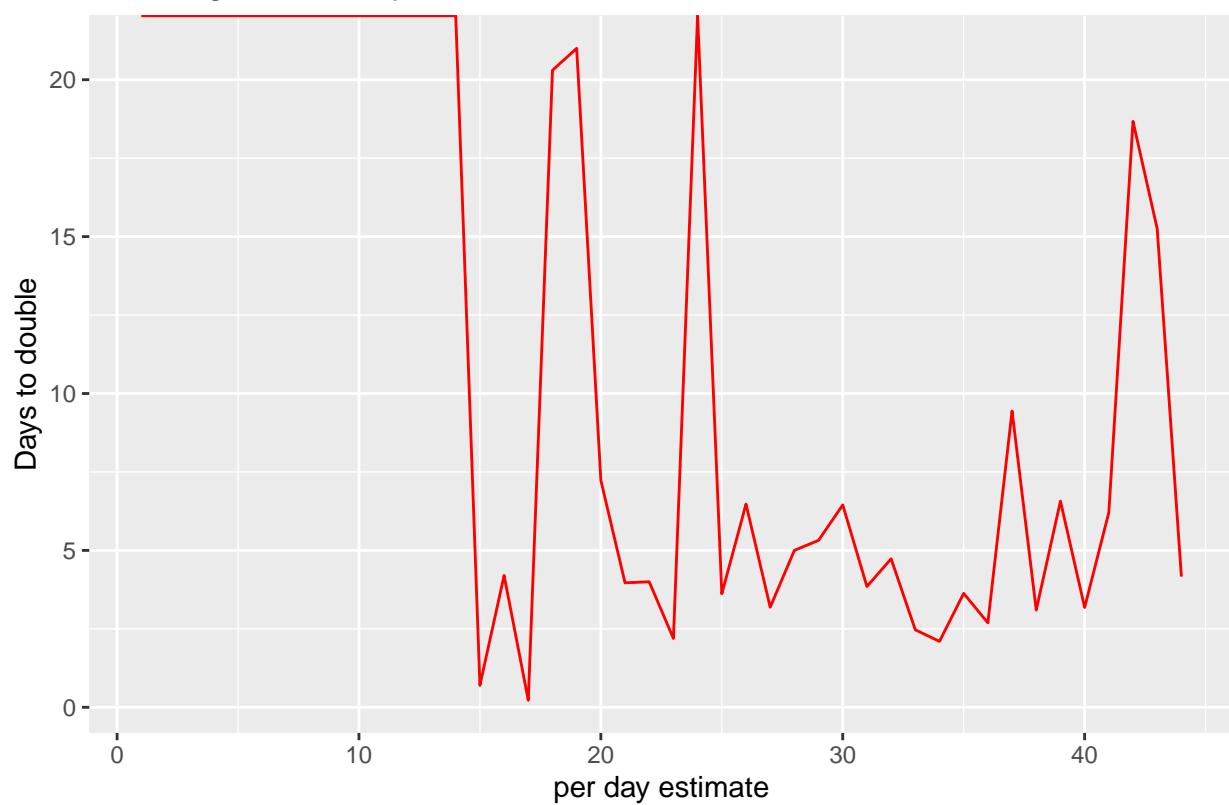
India: Growth Rate



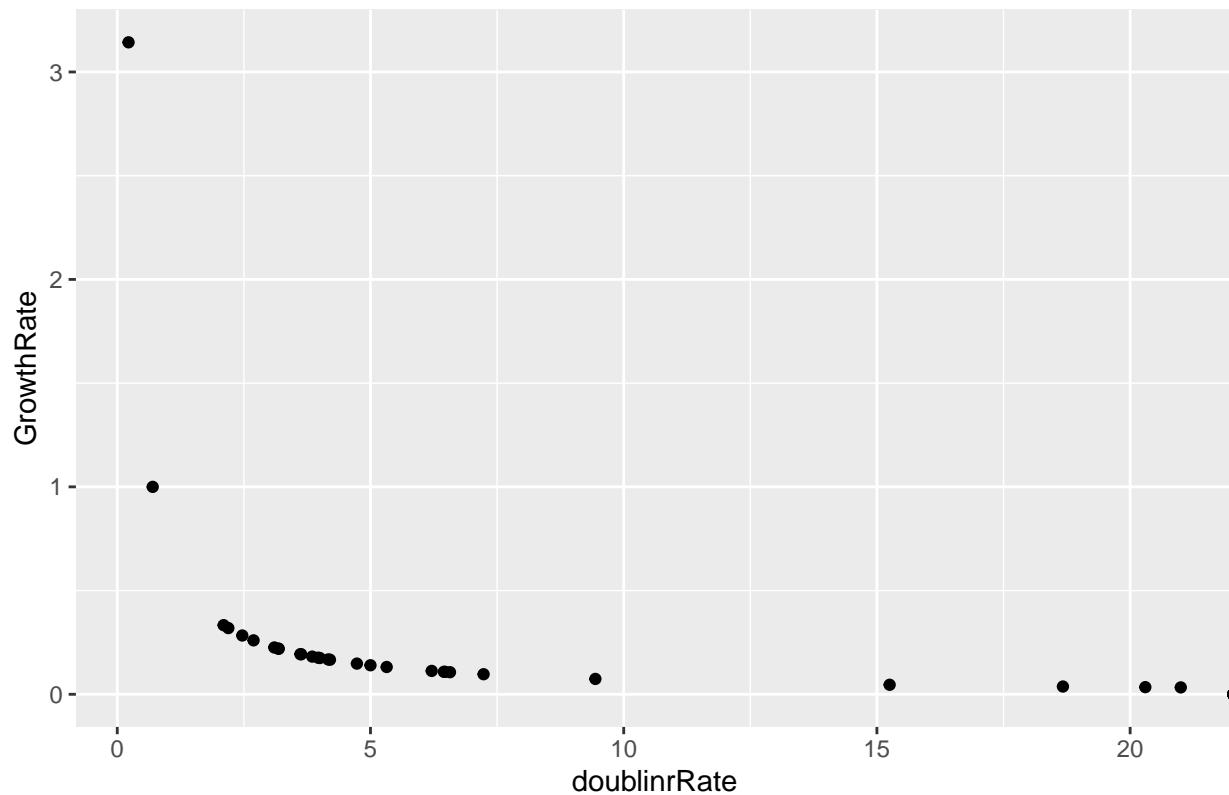
Histogram of GrowthRate



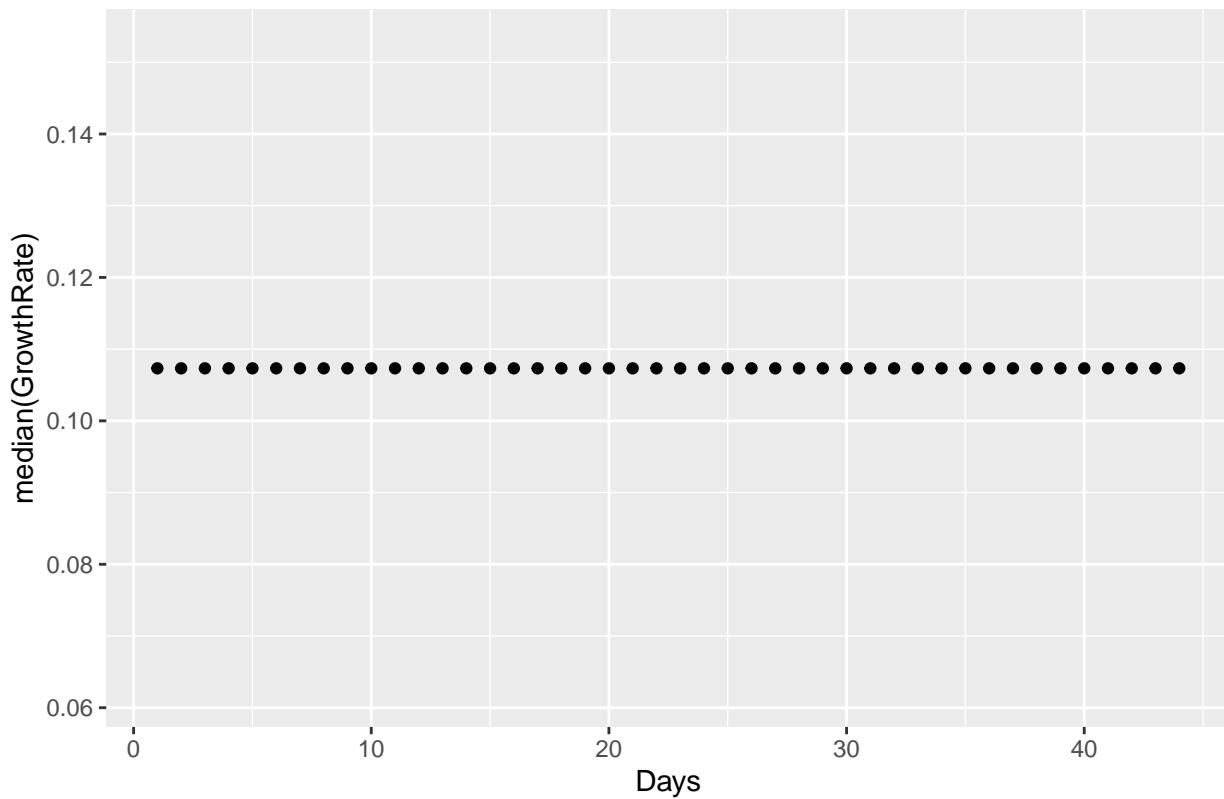
Doubling Rate in days



Doubling Rate vs Growth Rate



India Median Growth Rate



Results:

- Tomorrows predicted case number is between **1461.2521008** and **1490.8559563** 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 **7 days**.
- Latest Observed Growth Rate **16.8067227** percent.
- Mean Growth Rate: **19.173138** percent.
- Median Growth Rate: **10.7326505** percent.
- Standard deviation: +/- **48.5154453**.