

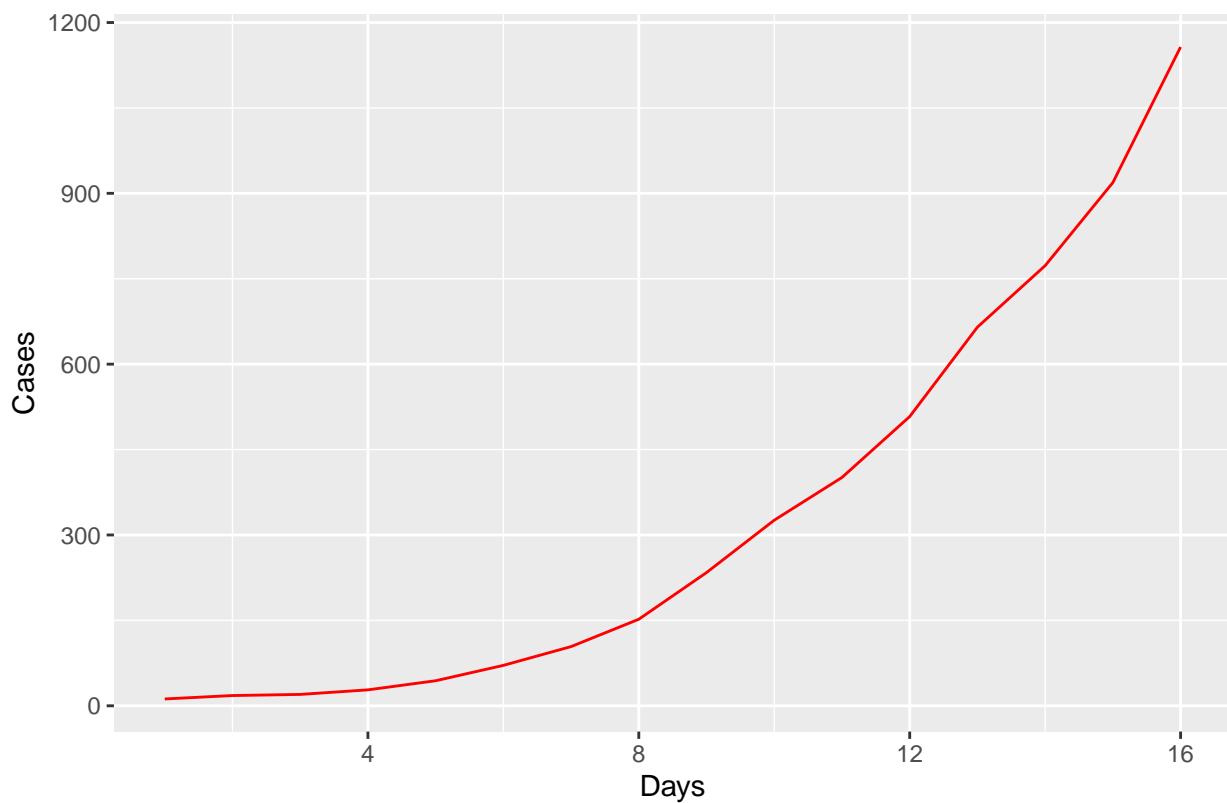
Arizona/US/India Corona Trends-30th March 2020 with tomorrow's prediction

Whitchurch Muthumani

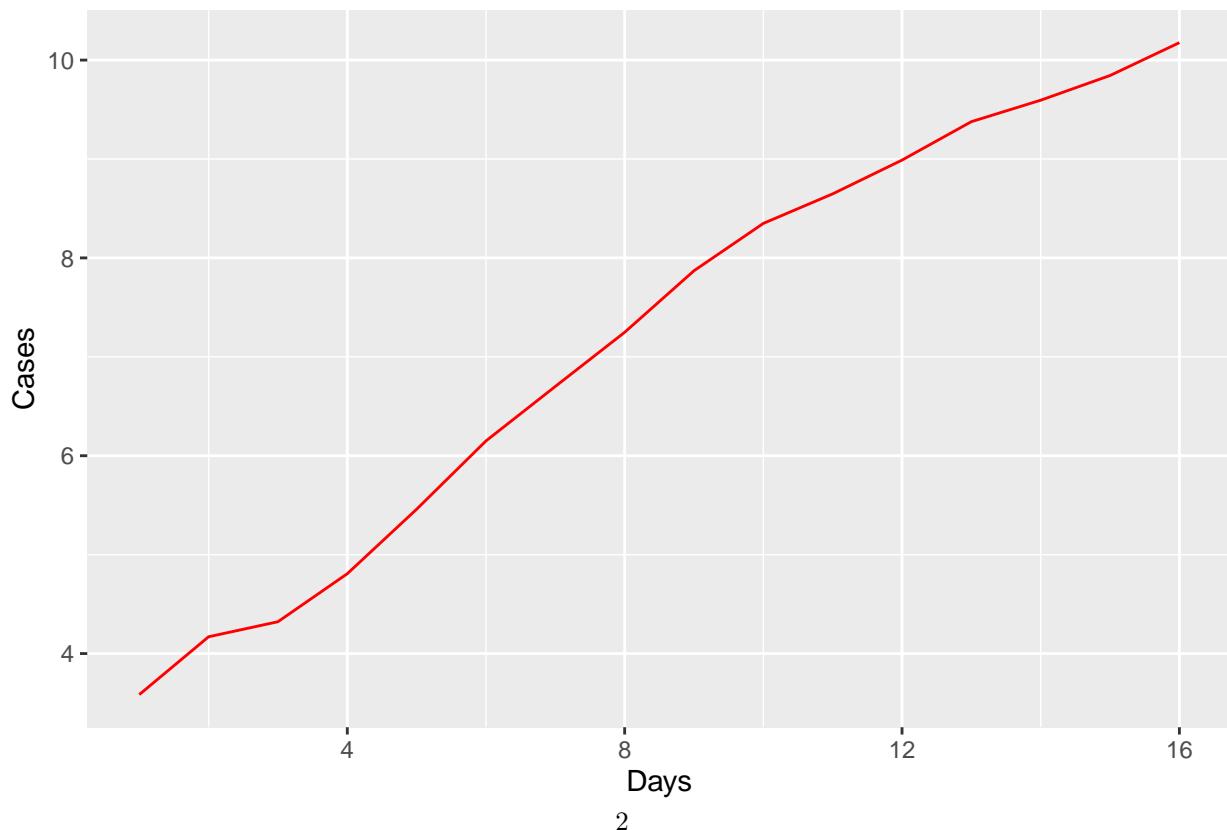
3/30/2020

Arizona Corona Dashboard

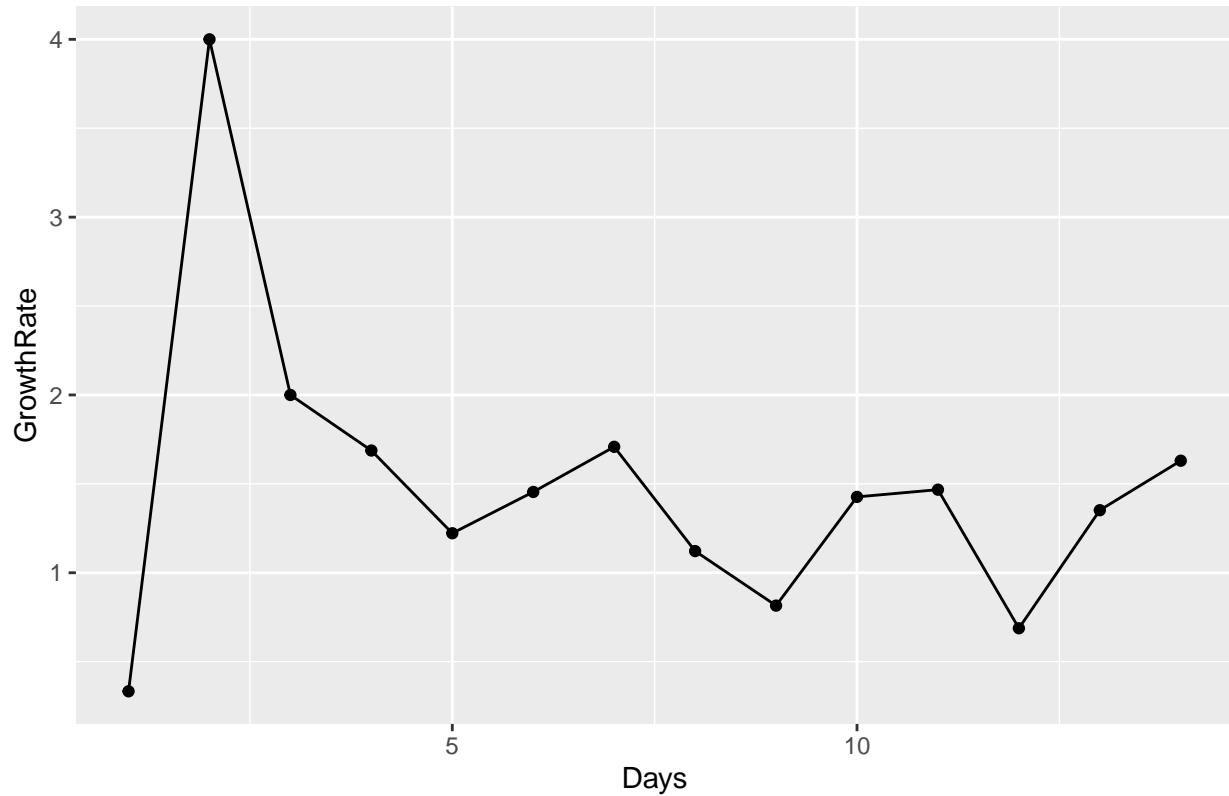
Arizona: Daily Cases



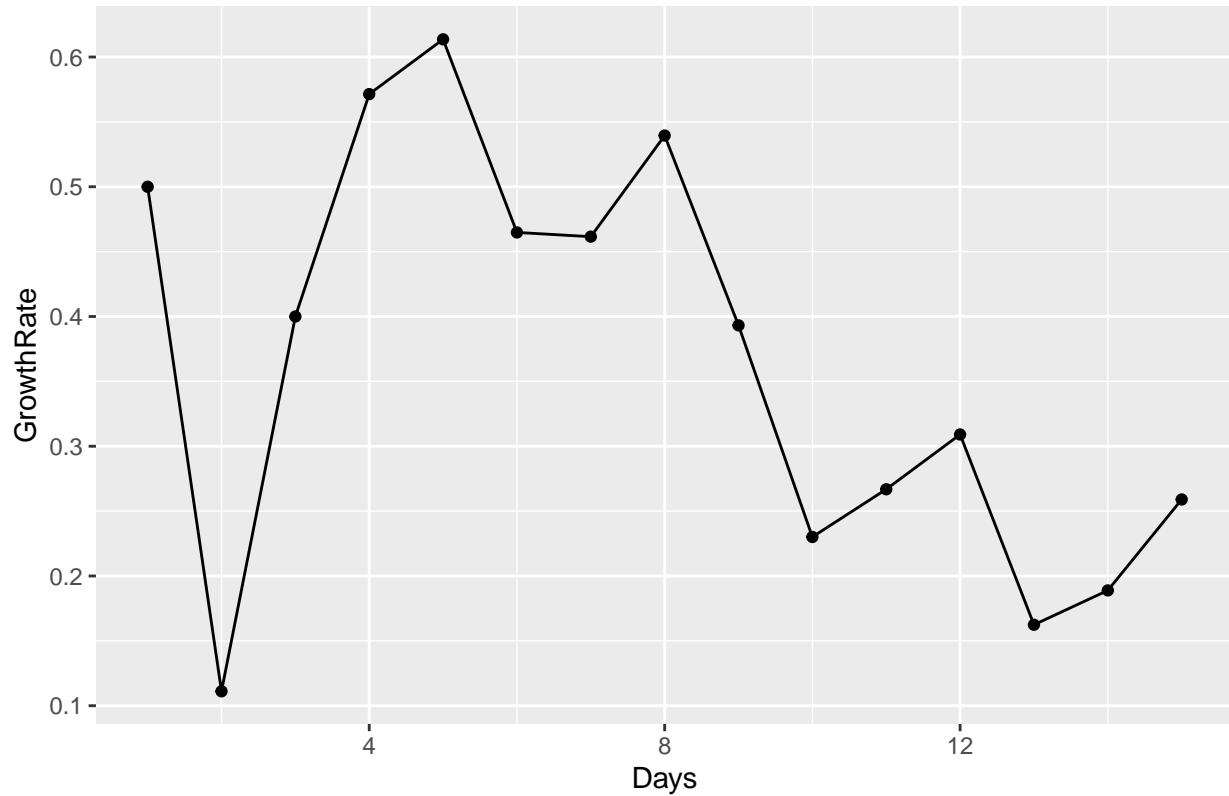
Arizona: Daily Cases



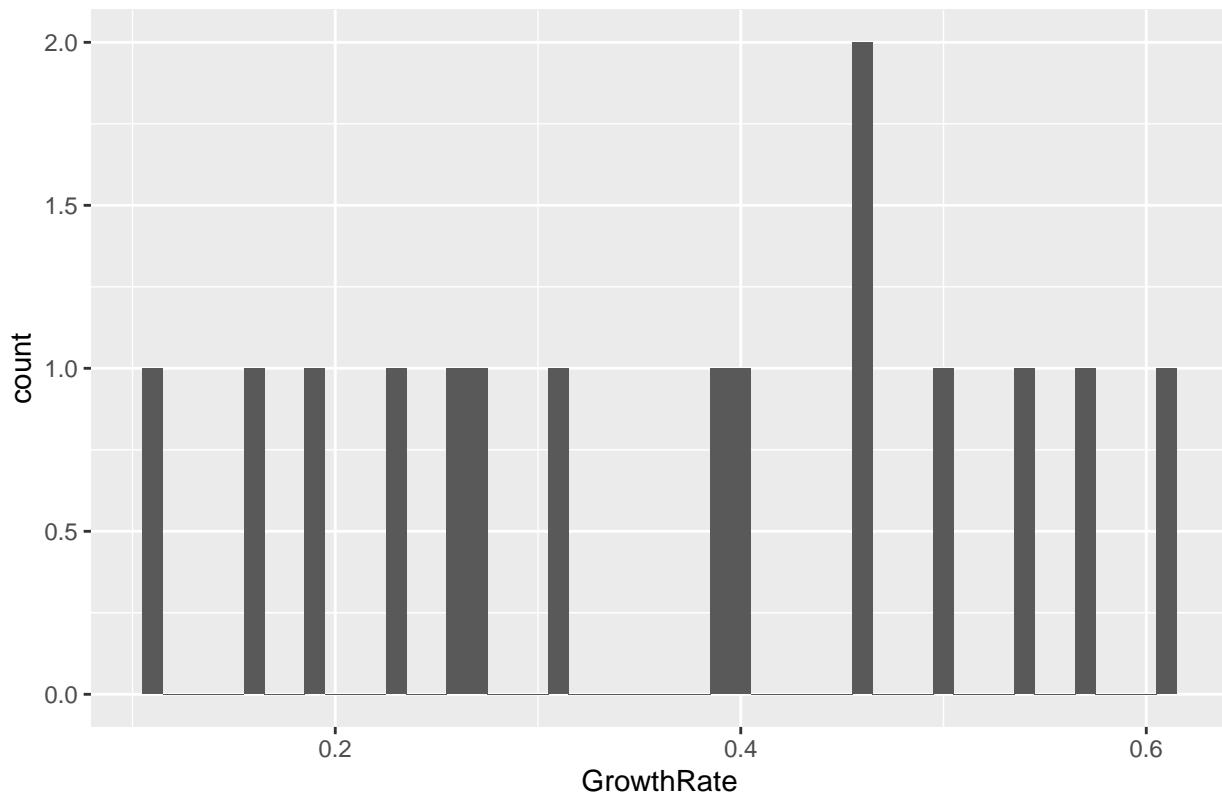
Arizona: Rate of change in Growth Rate



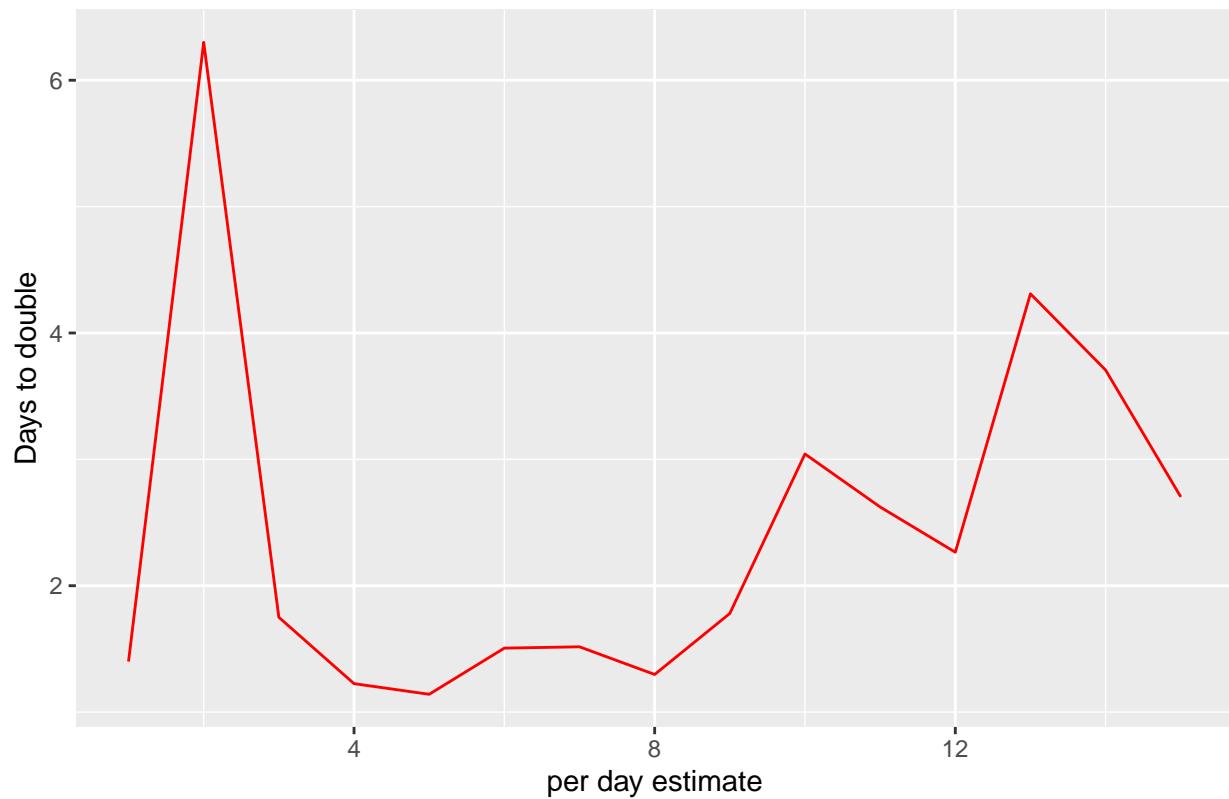
Arizona: Growth Rate



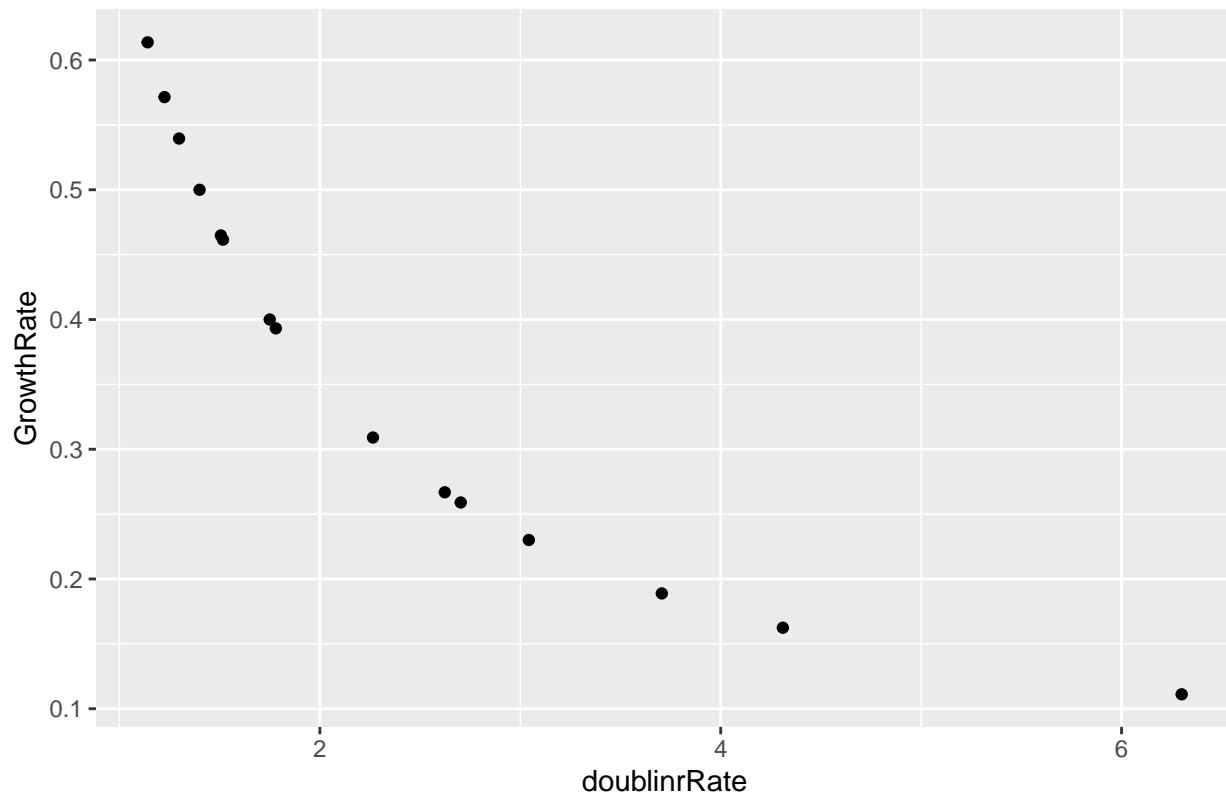
Histogram of GrowthRate



Doubling Rate in days



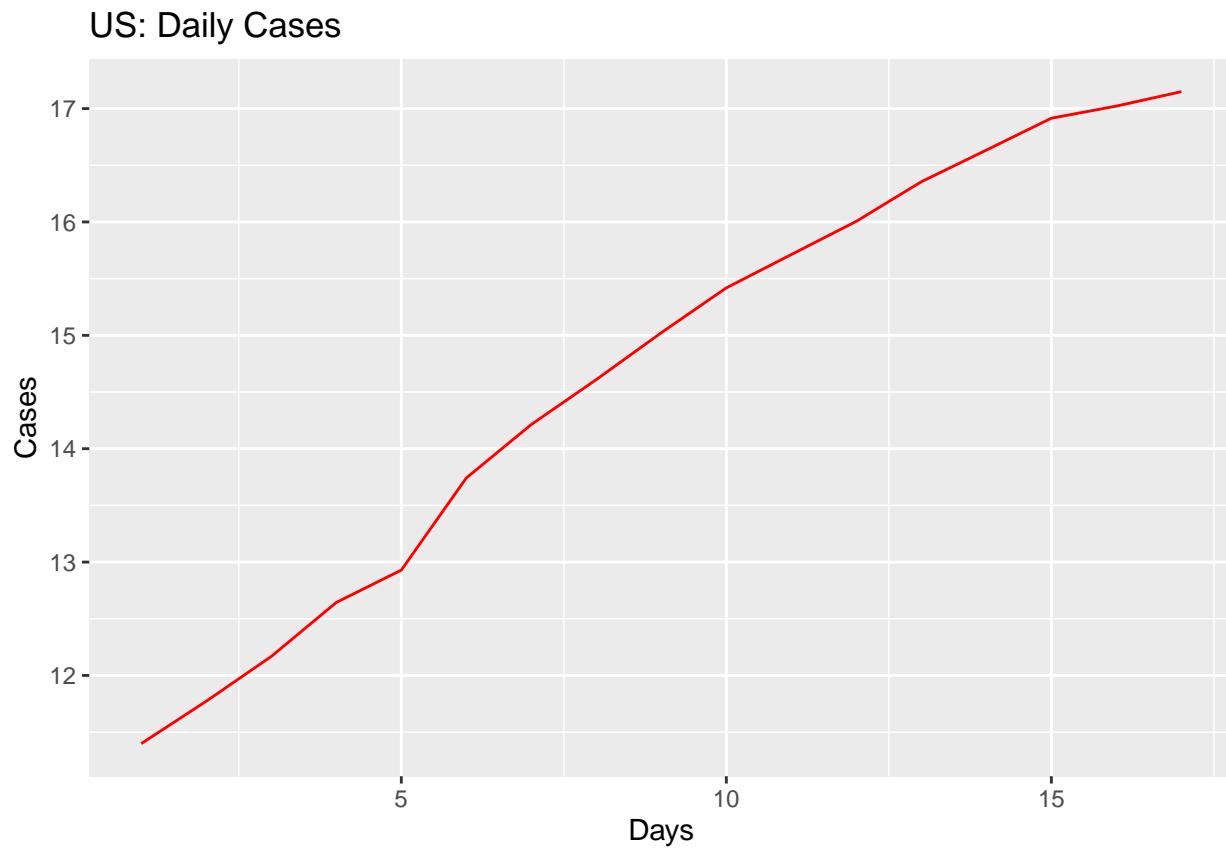
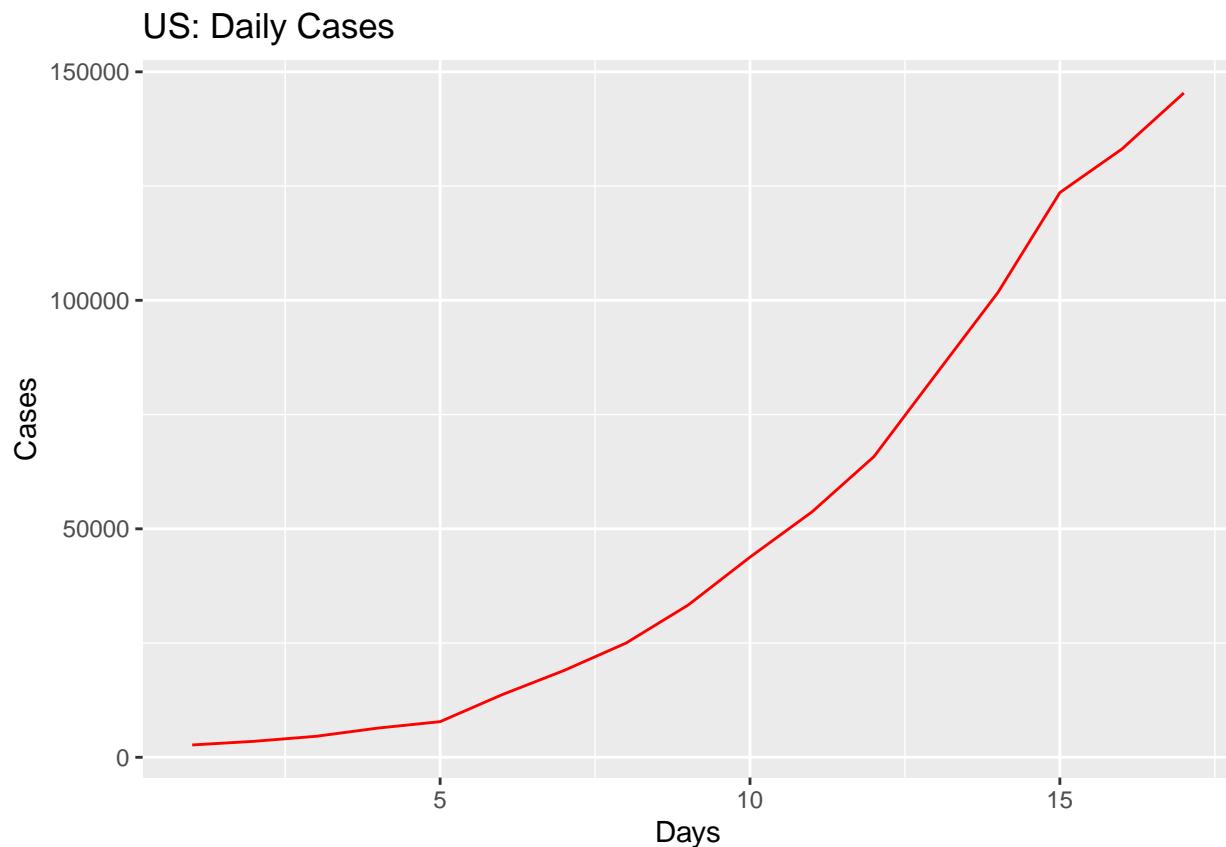
Doubling Rate vs Growth Rate



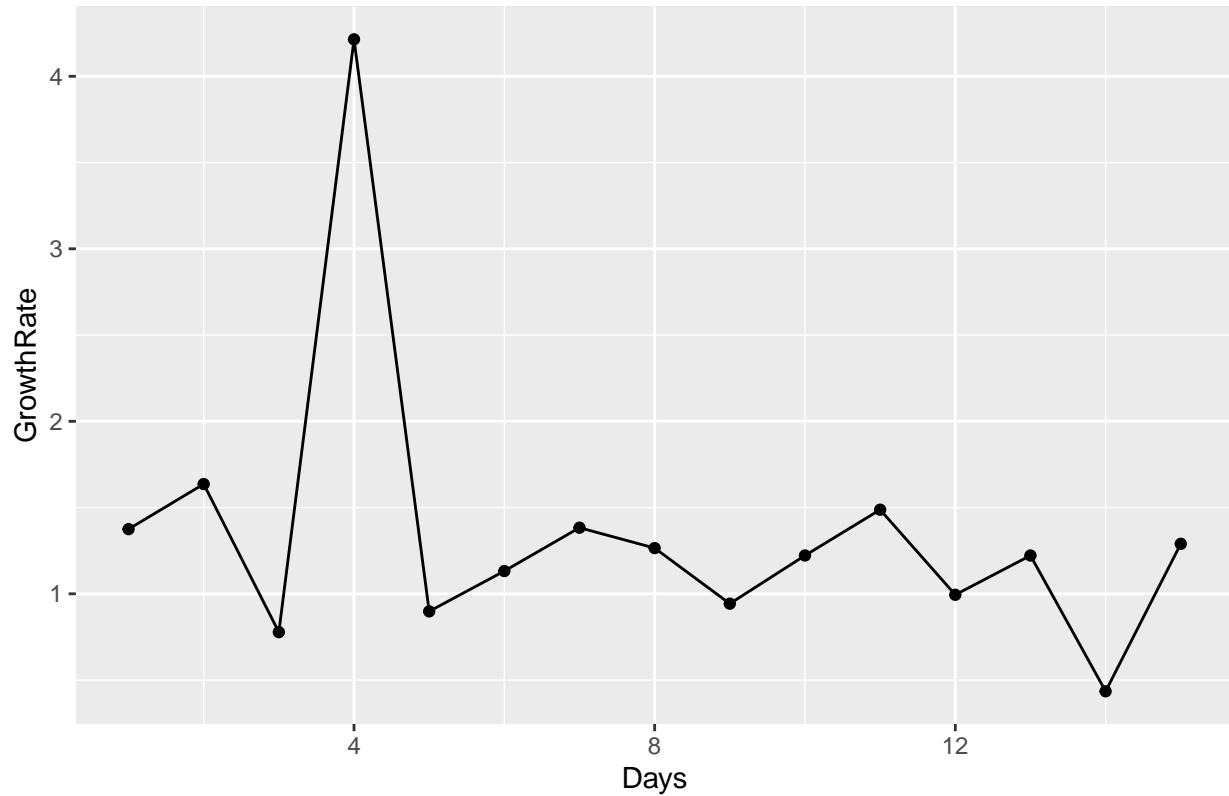
Results:

- Tomorrows predicted case number is between **1456.6365615** and **1579.0231843** 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 **2 days**.
- Latest Observed Growth Rate **25.8977149** percent.
- Mean Growth Rate: **36.4756425** percent.
- Median Growth Rate: **39.3162393** percent.
- Standard deviation: +/- **15.8820097**.

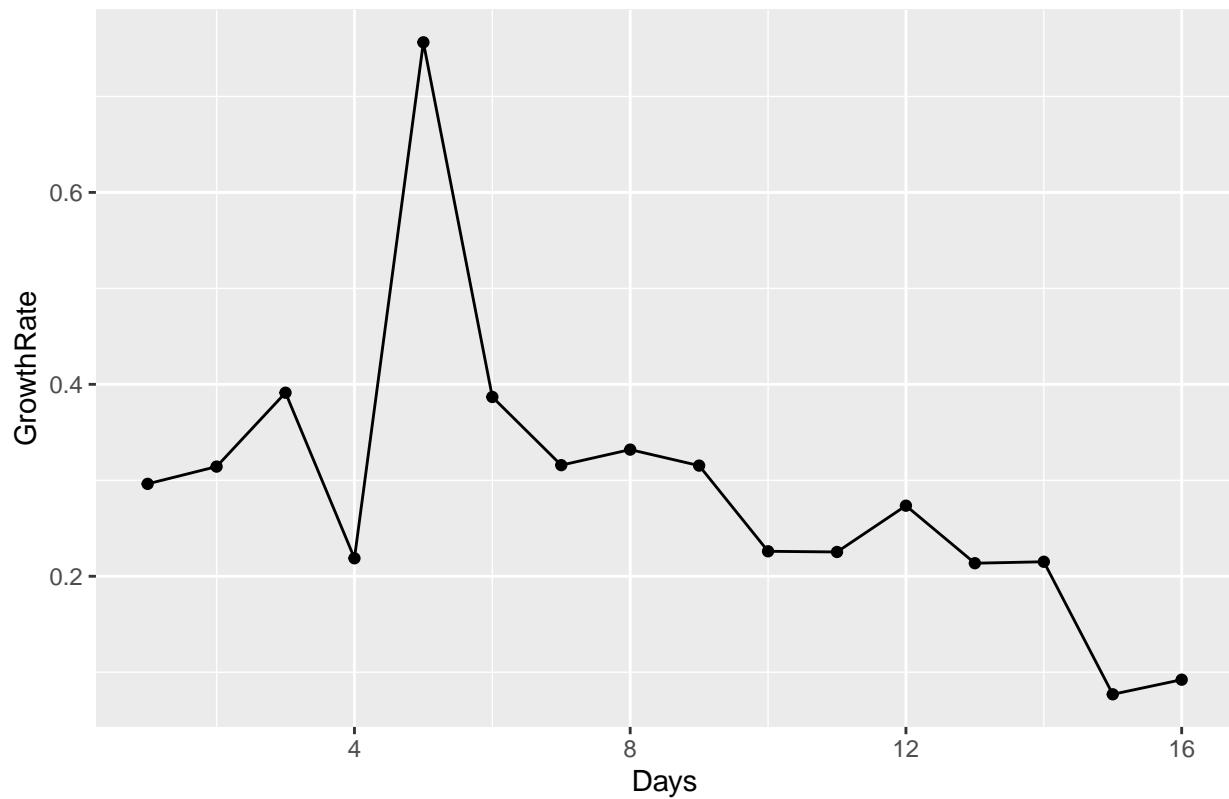
US Corona Dashboard



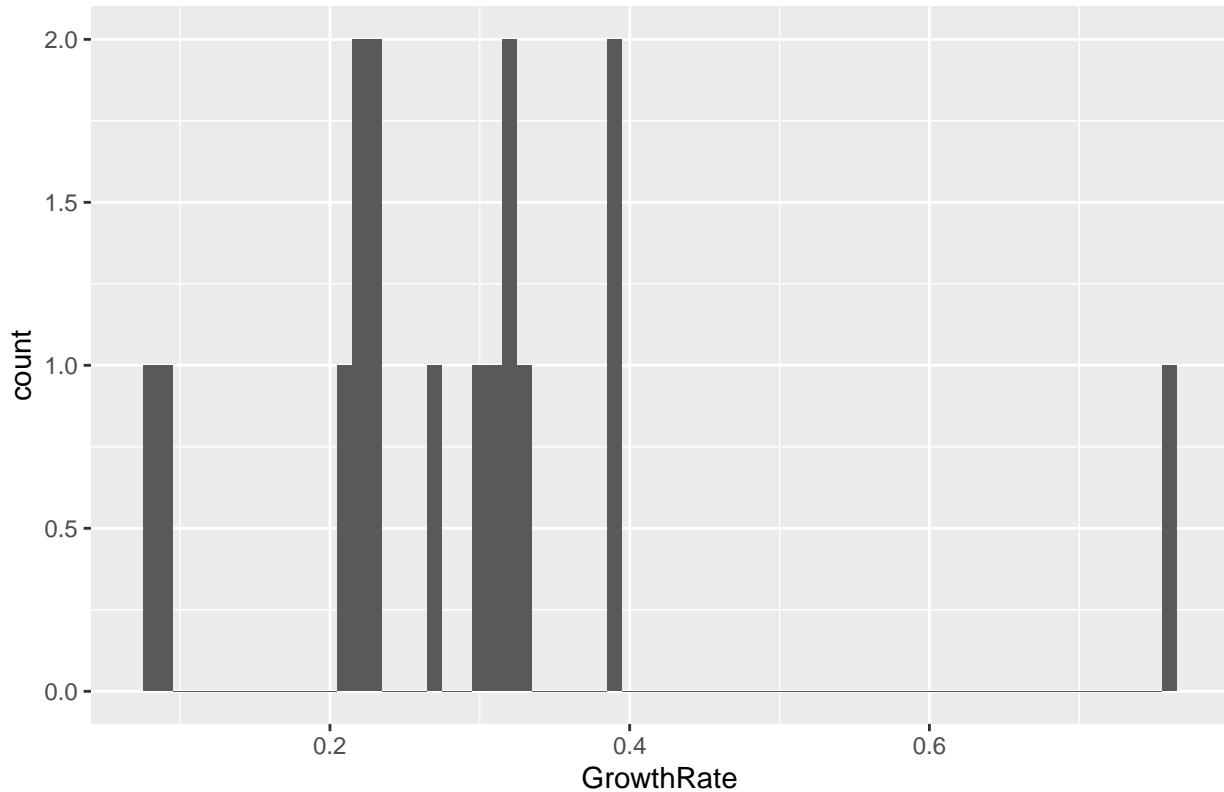
US: Rate of change in Growth Rate



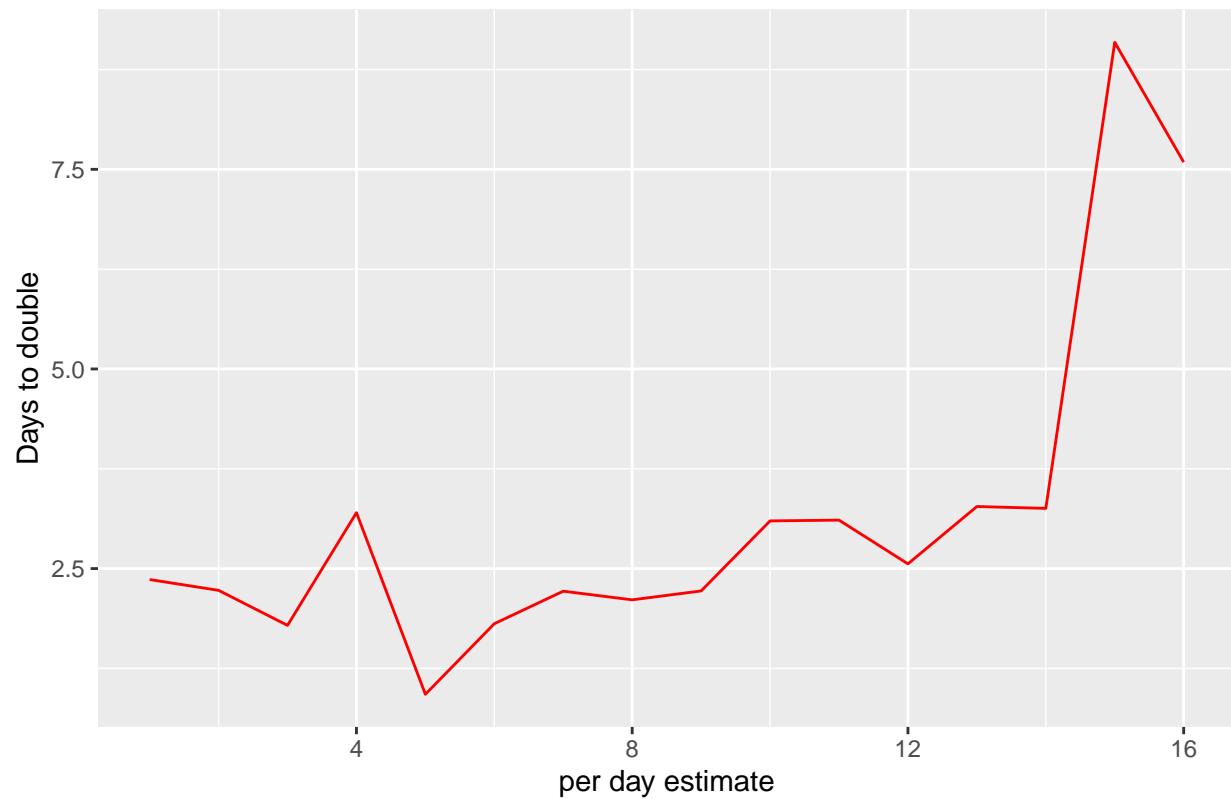
US: Growth Rate



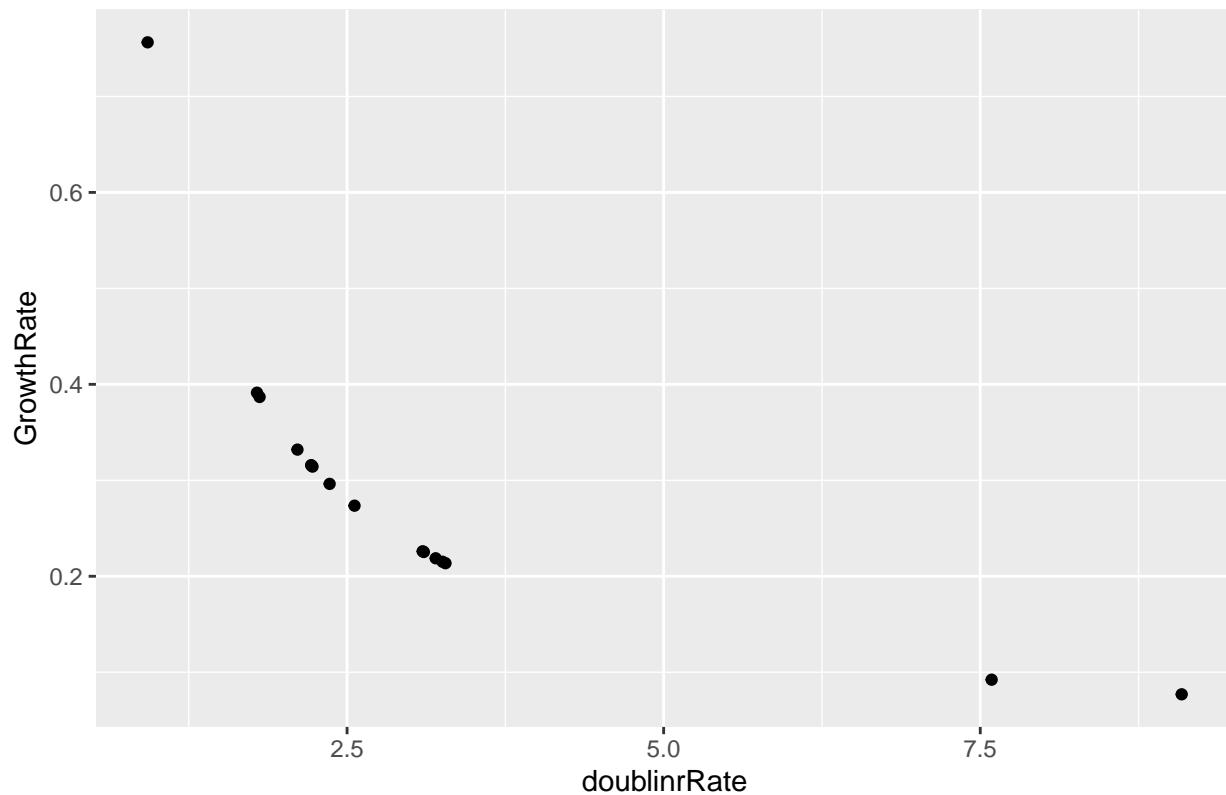
Histogram of GrowthRate



Doubling Rate in days



Doubling Rate vs Growth Rate

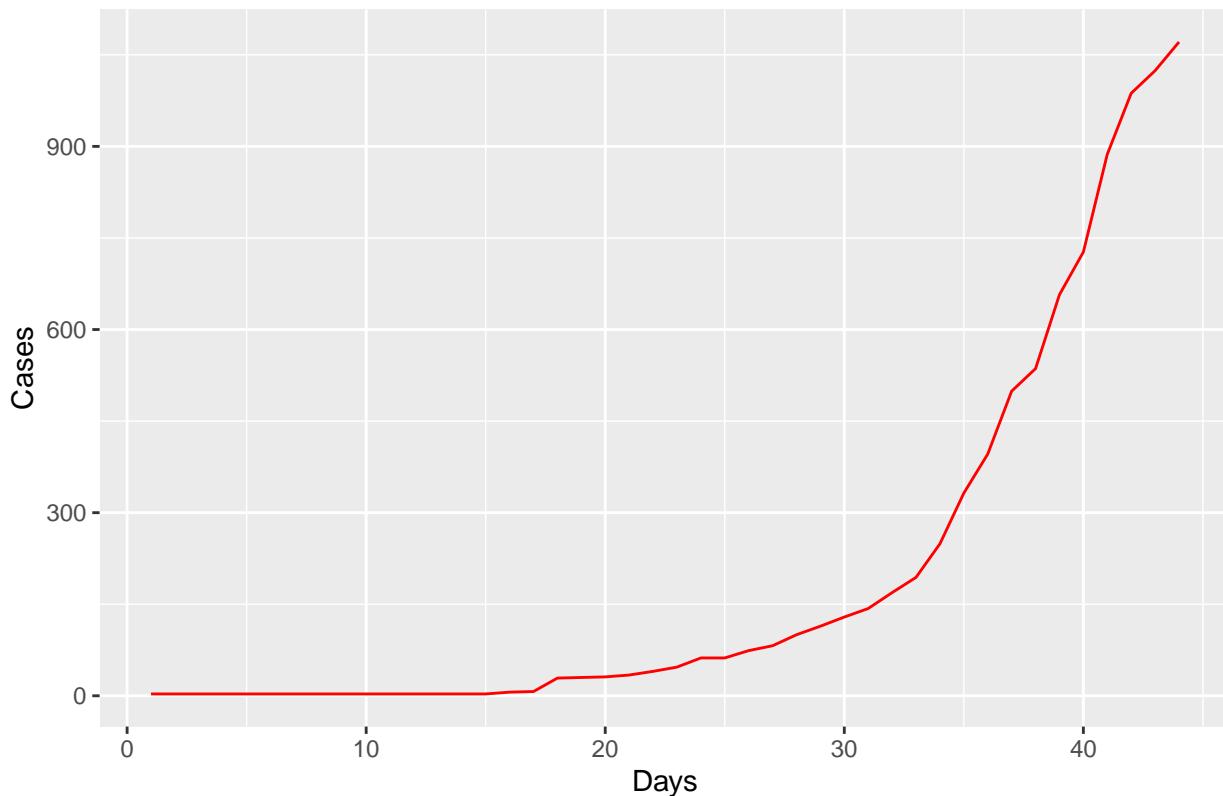


Results:

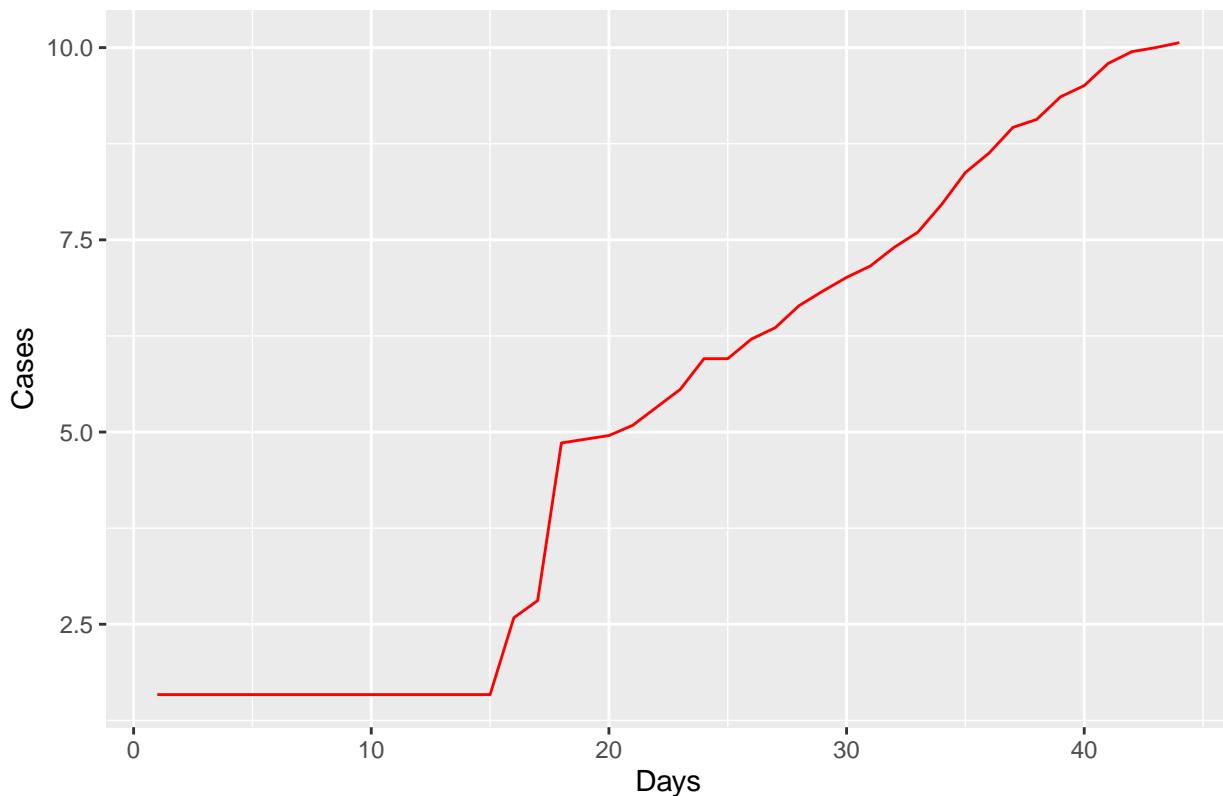
- Tomorrows predicted case number is between 1.587761×10^5 and 1.8761578×10^5 cases.
- Current doubling rate is **8 days**
- Mean doubling rate, i.e number of cases doubles every **2 days**.
- Median doubling rate, i.e number of cases doubles every **2 days**.
- Latest Observed Growth Rate **9.2228049** percent.
- Mean Growth Rate: **29.0617563** percent.
- Median Growth Rate: **28.4926264** percent.
- Standard deviation: +/- **15.2844737**.

India Corona Dashboard

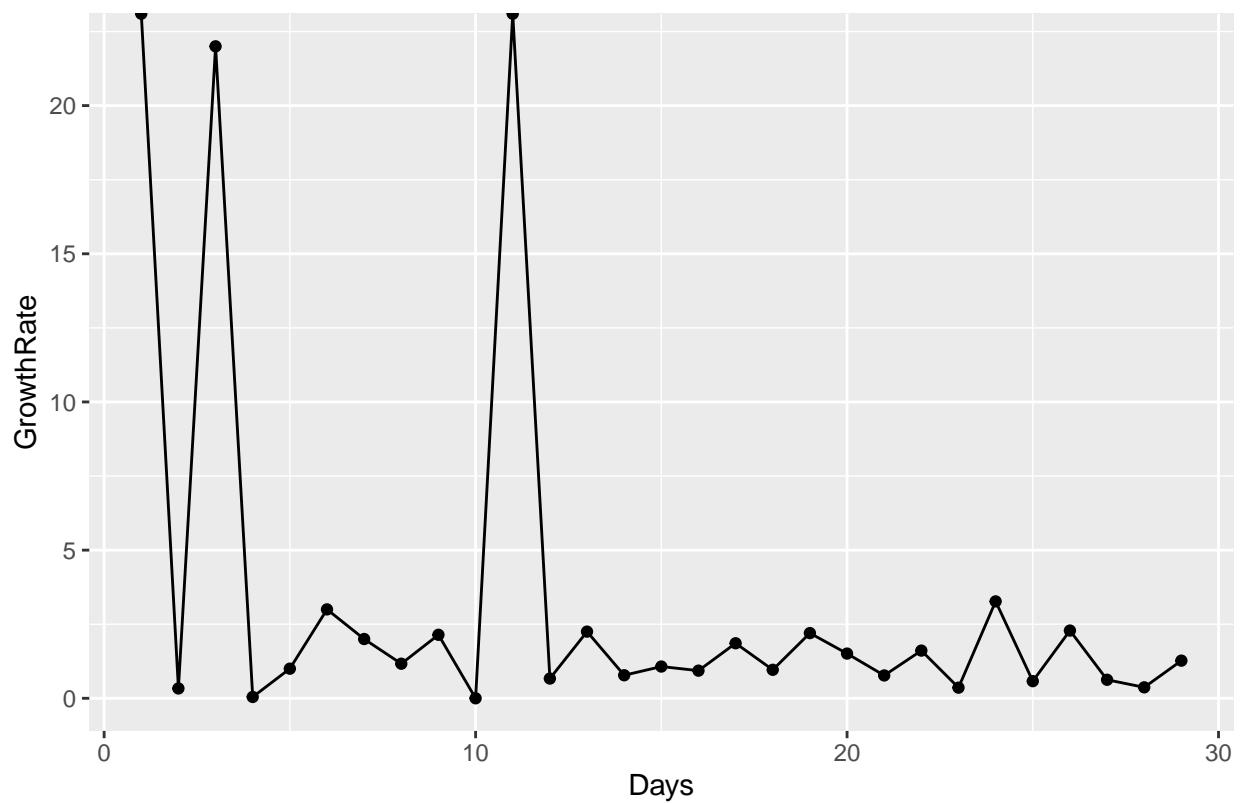
India: Daily Cases



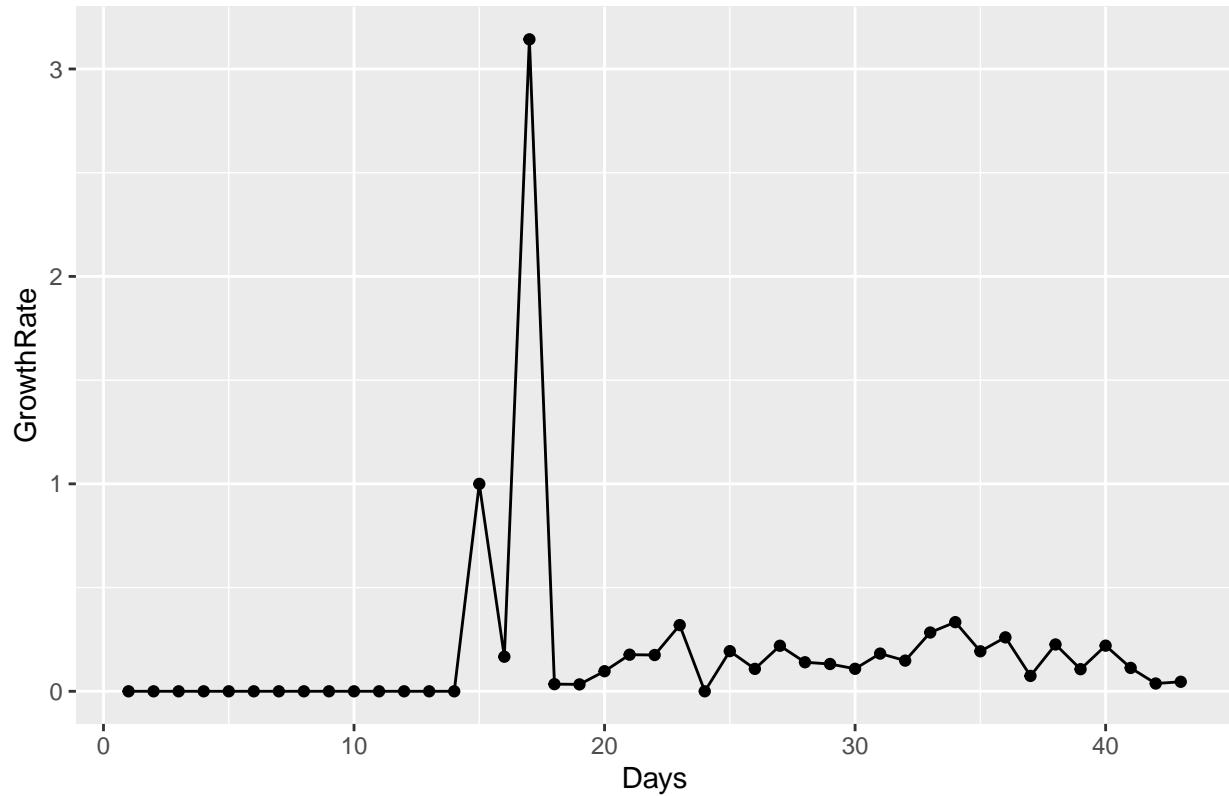
India: Daily Cases



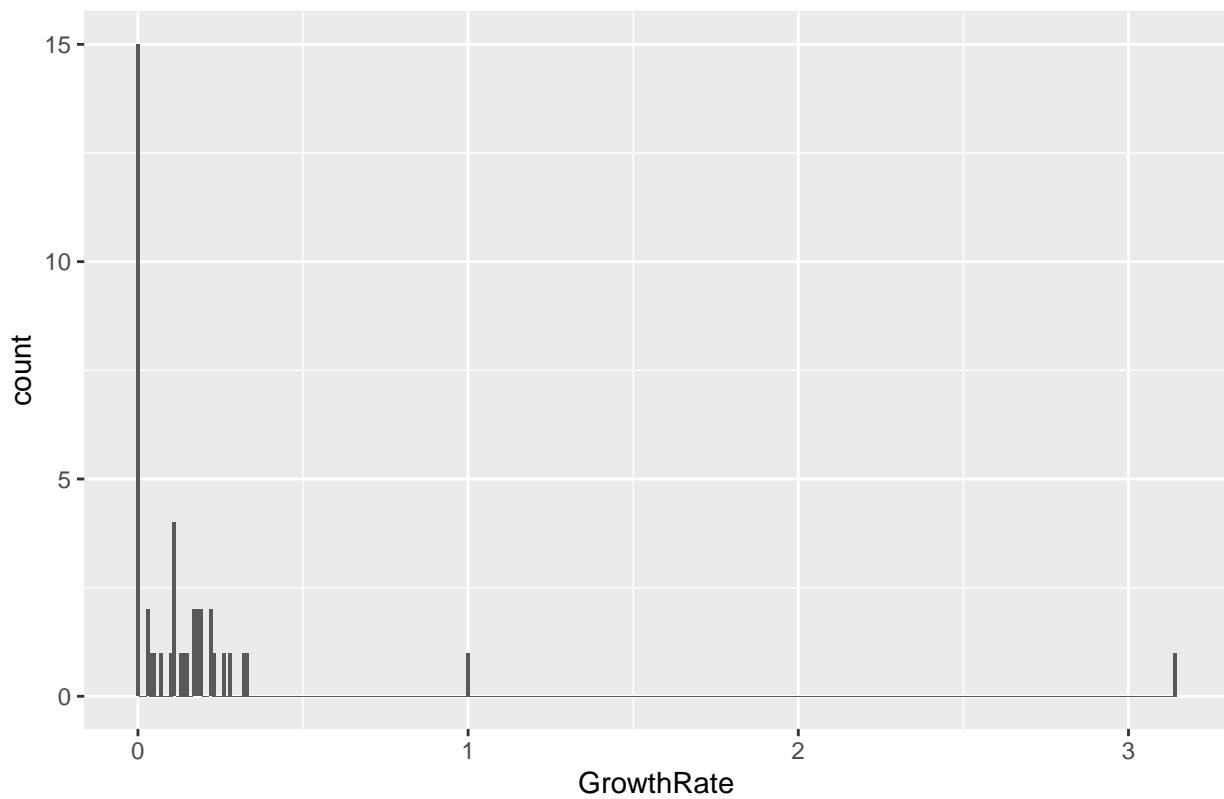
US: Rate of change in Growth Rate



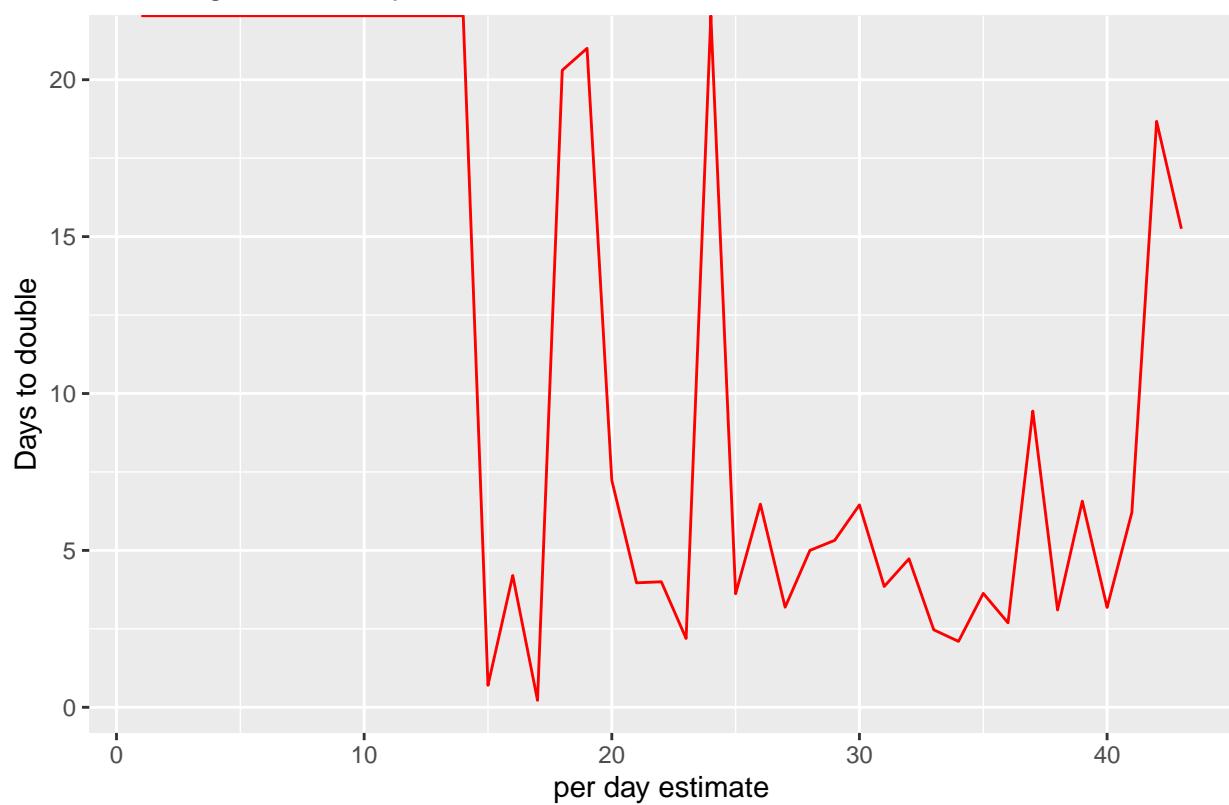
India: Growth Rate



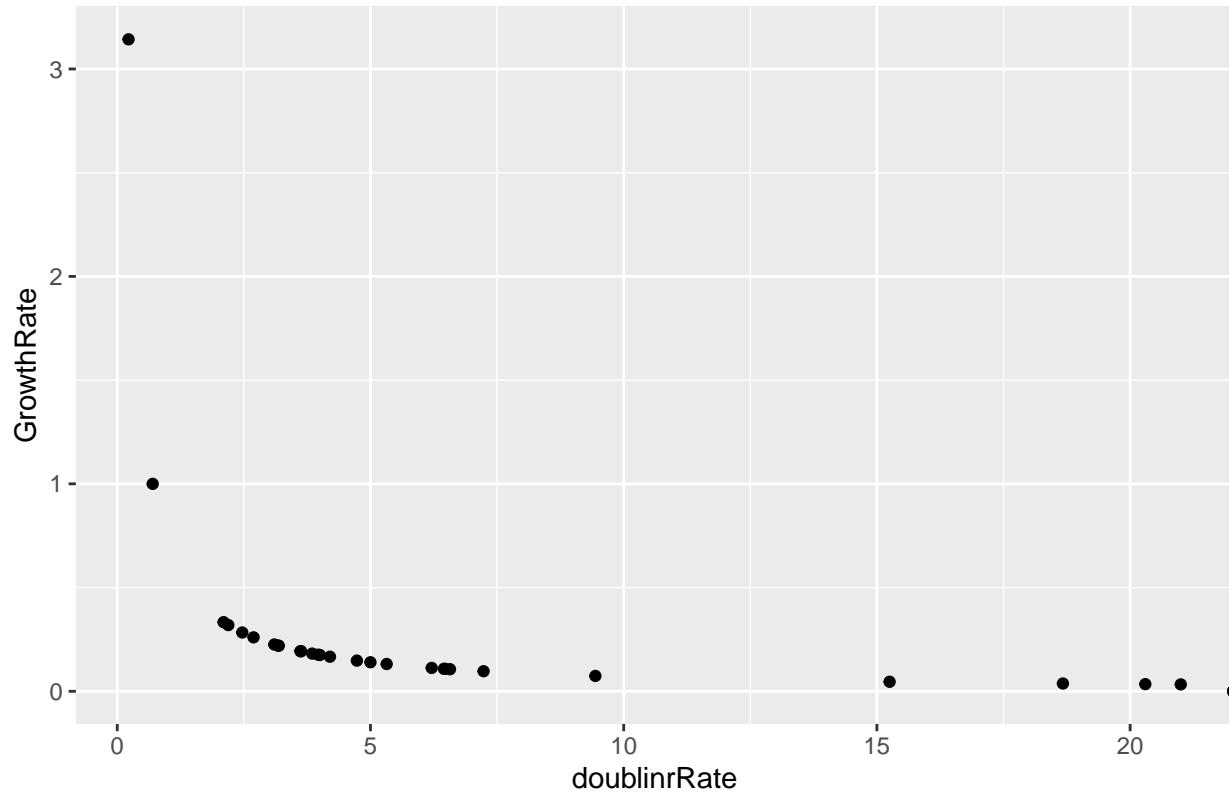
Histogram of GrowthRate



Doubling Rate in days



Doubling Rate vs Growth Rate



Results:

- Tomorrows predicted case number is between **1120.1572266** and **1276.9337104** 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 **4.5898438** percent.
- Mean Growth Rate: **19.2281709** percent.
- Median Growth Rate: **10.6544901** percent.
- Standard deviation: +/- **49.0882229**.