

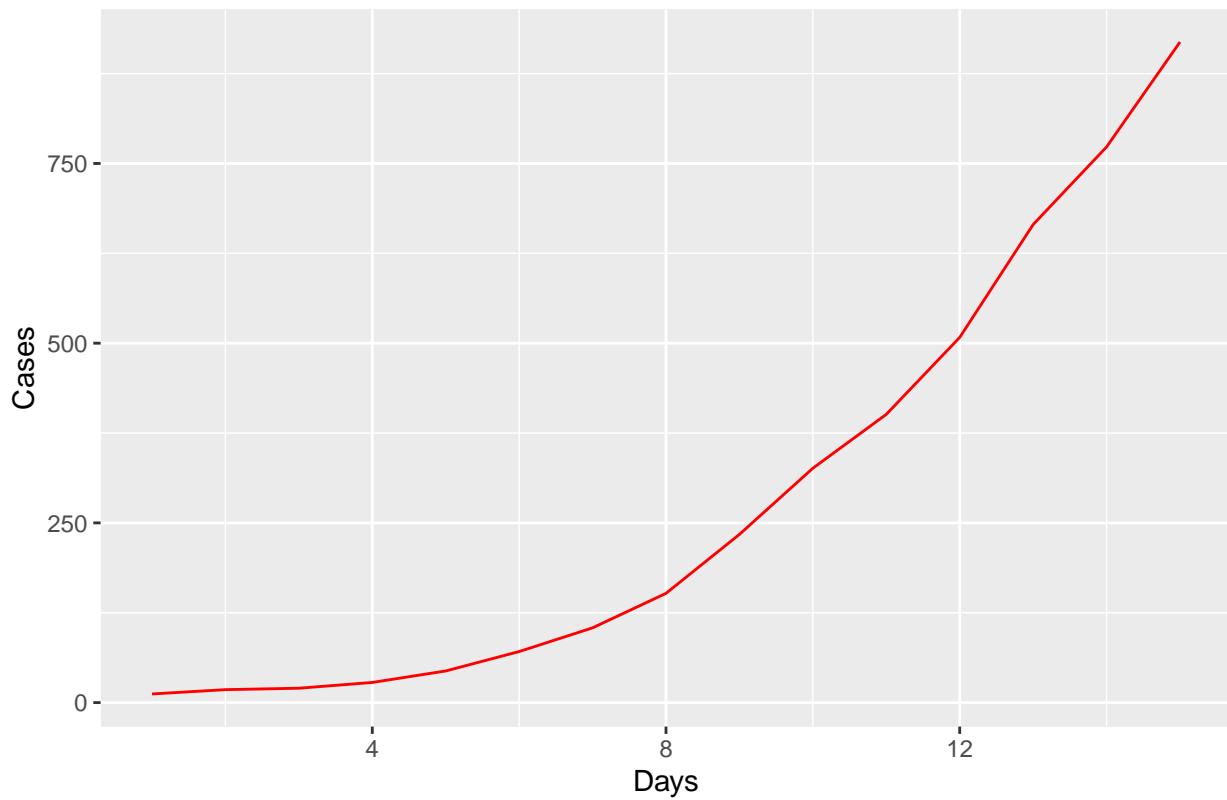
Arizona/US/India Corona Trends-29th March 2020 prediction

Whitchurch Muthumani

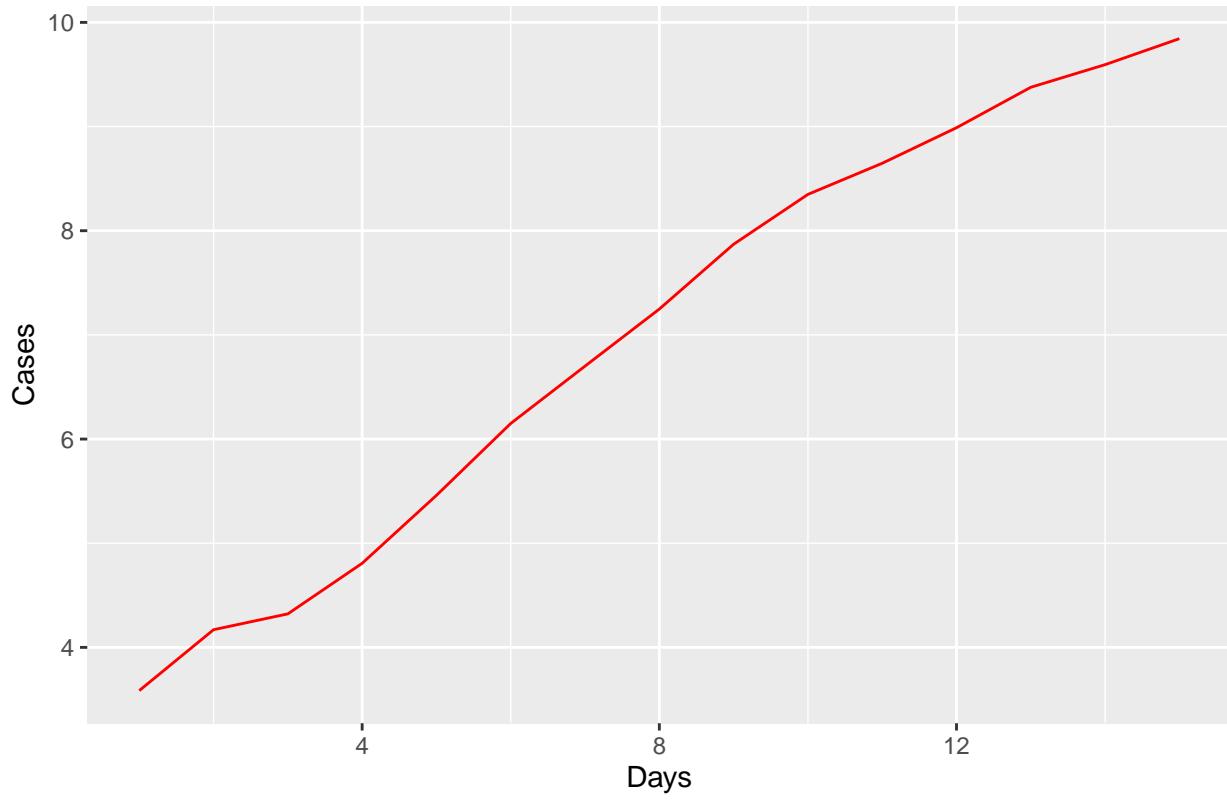
3/29/2020

Arizona Corona Dashboard

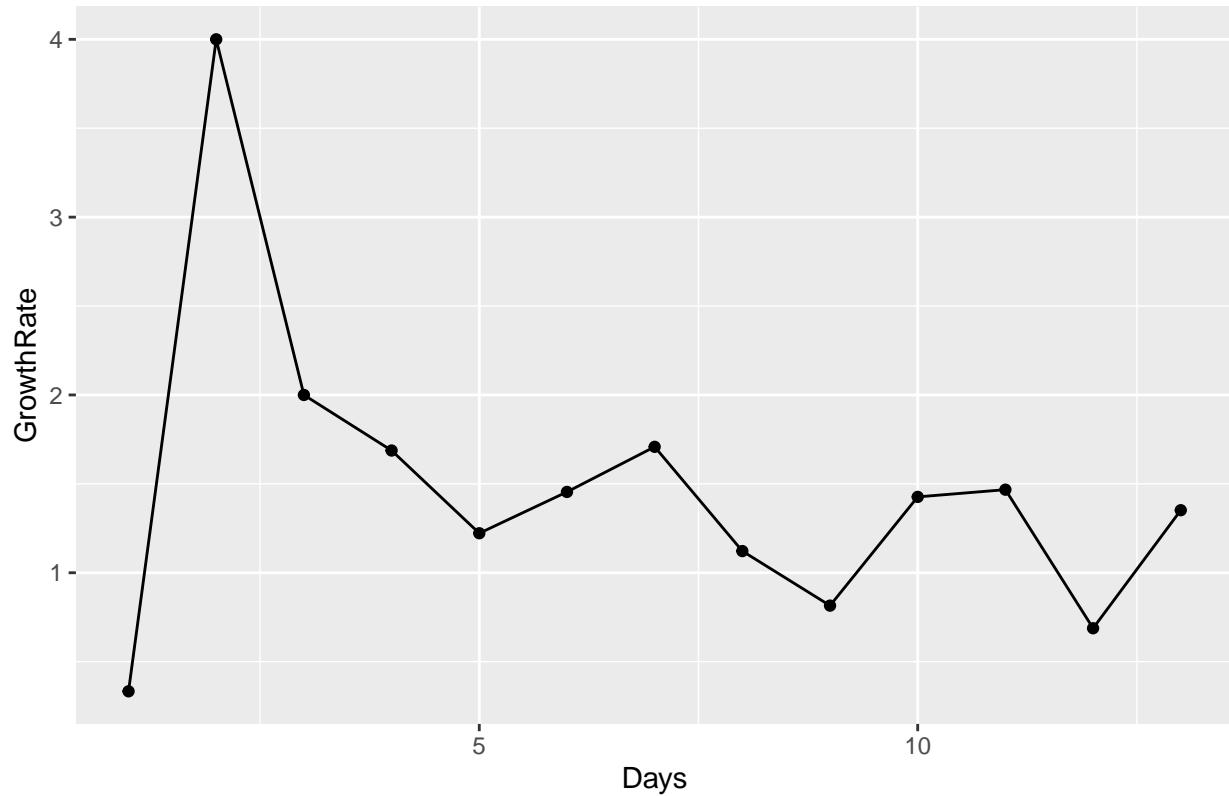
Arizona: Daily Cases



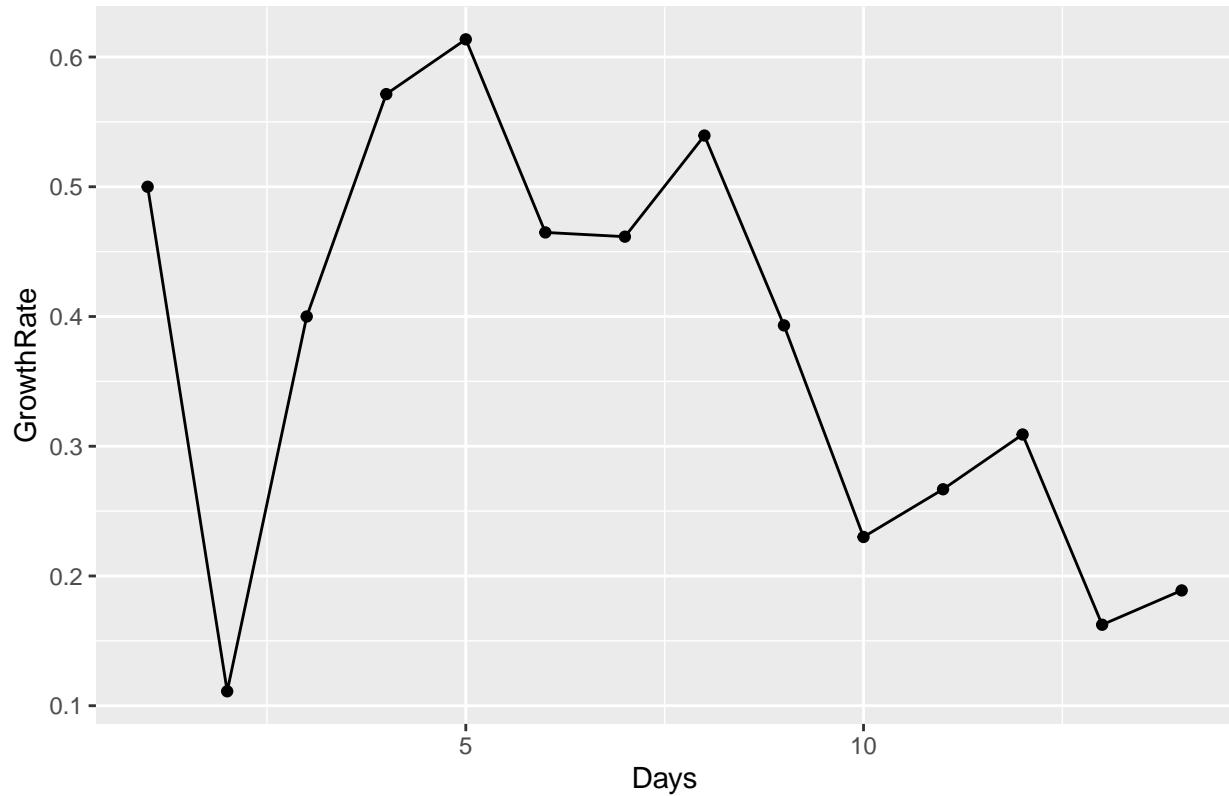
Arizona: Daily Cases



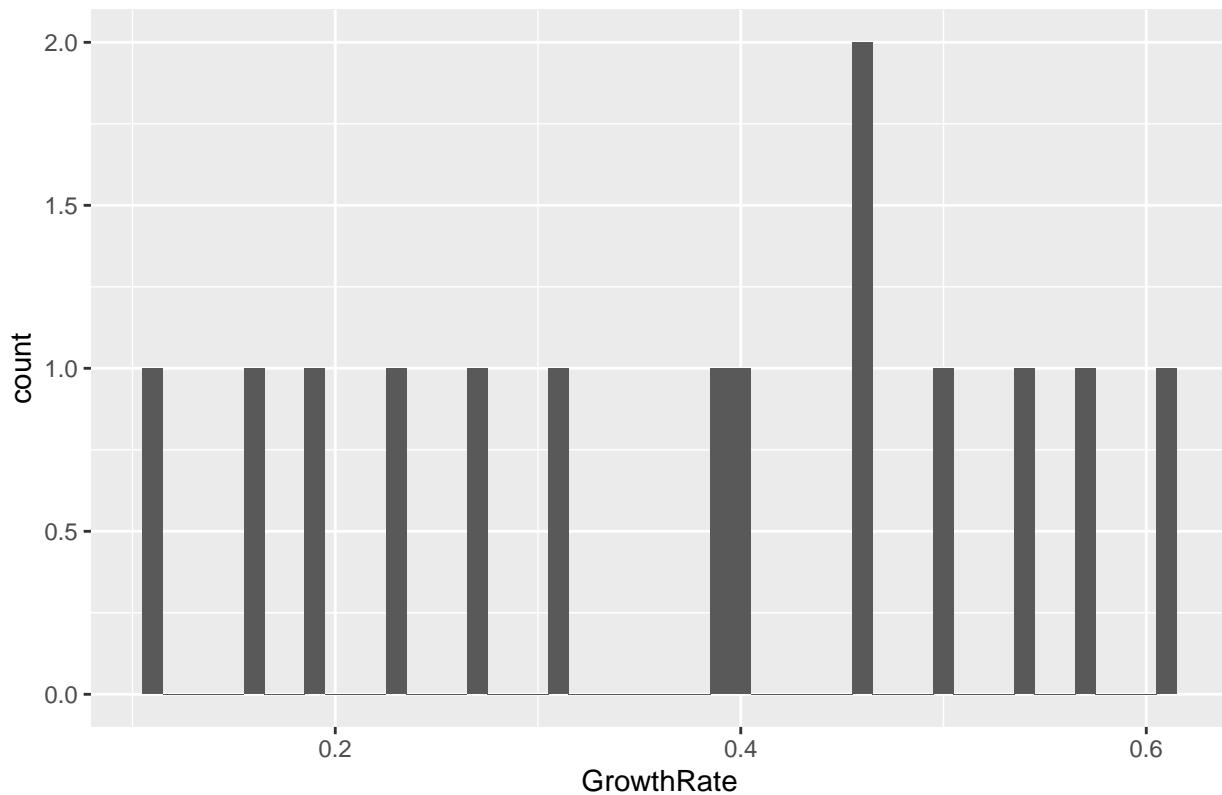
Arizona: Rate of change in Growth Rate



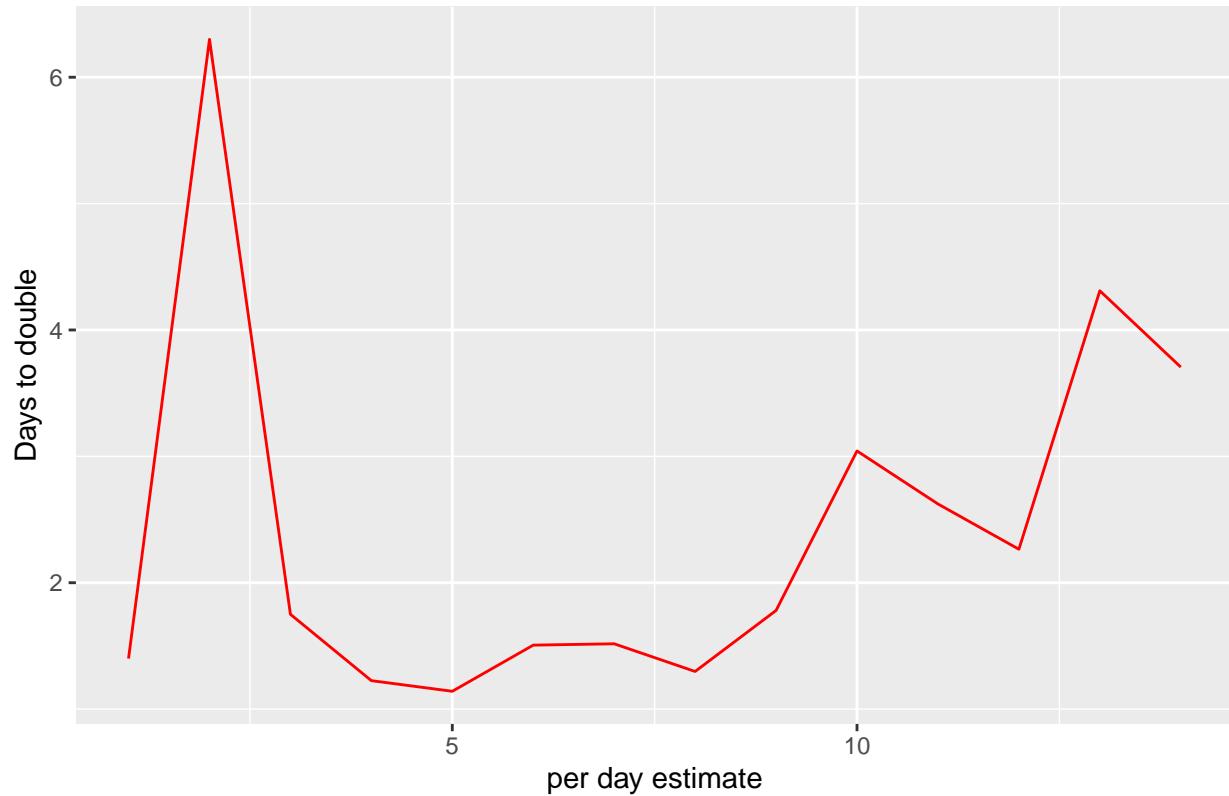
Arizona: Growth Rate



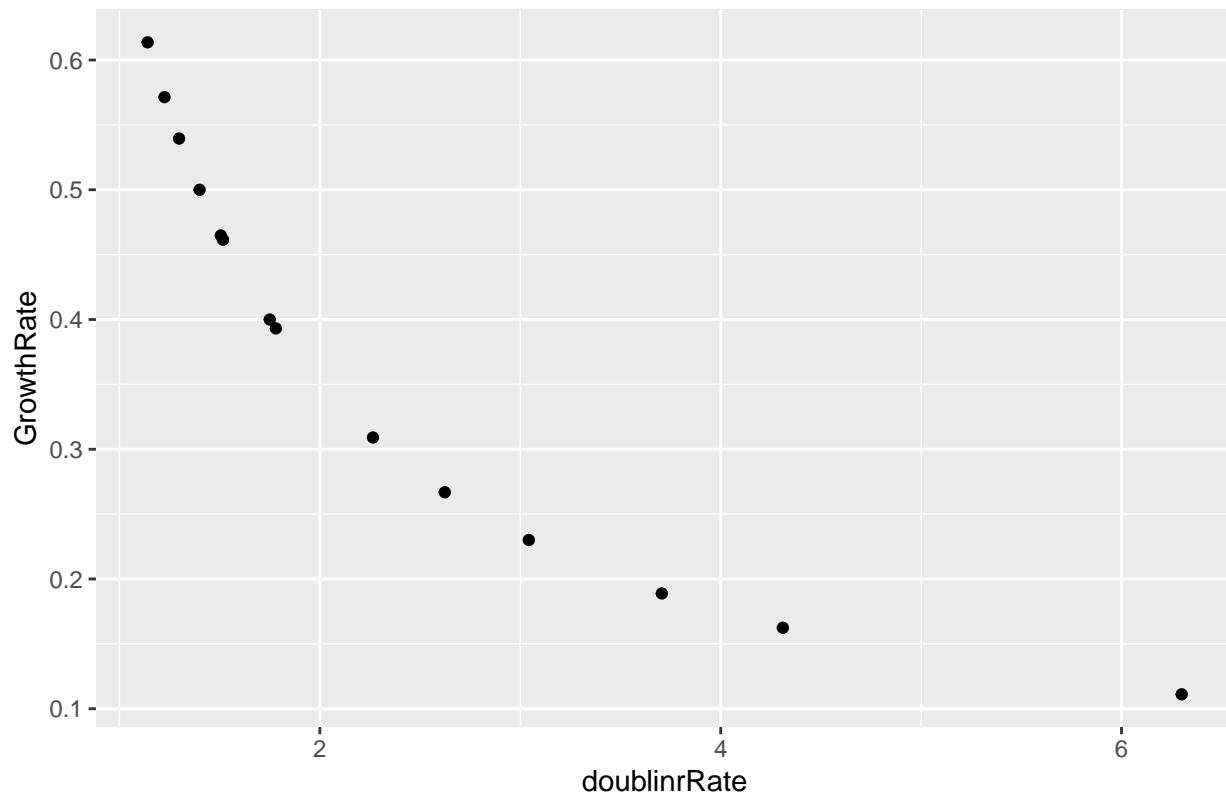
Histogram of GrowthRate



Doubling Rate in days



Doubling Rate vs Growth Rate

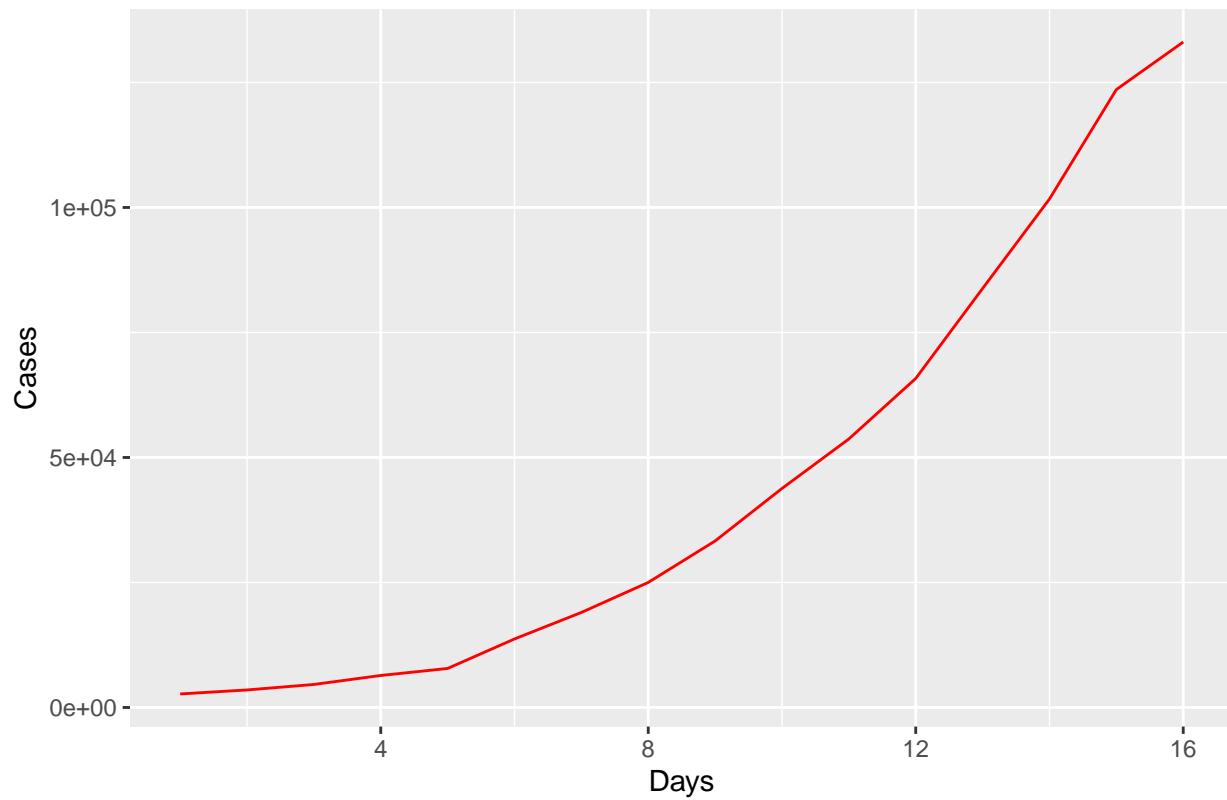


Results:

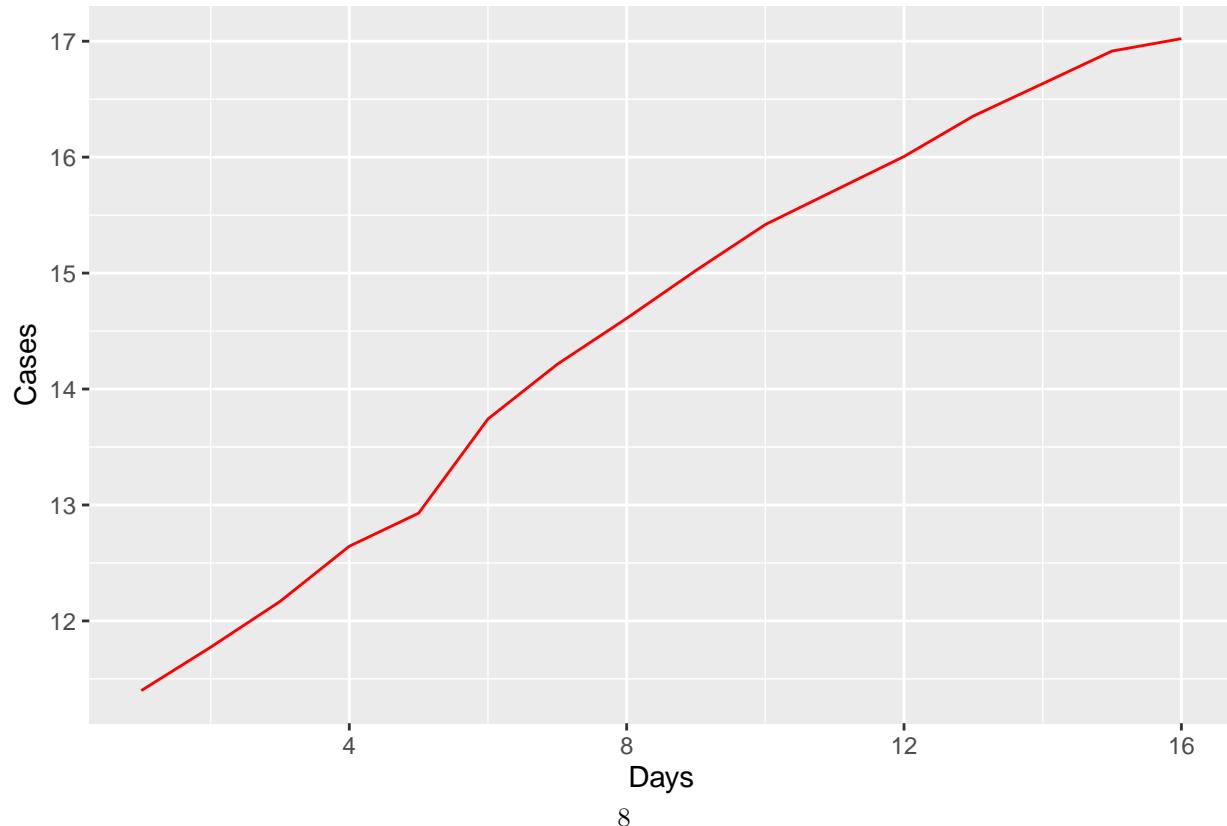
- Tomorrows predicted case number is between **1092.5756792** and **1261.1548089** cases.
- Current doubling rate is **4 days**
- Mean doubling rate, i.e number of cases doubles every **2 days**.
- Median doubling rate, i.e number of cases doubles every **2 days**.
- Latest Observed Growth Rate **18.8874515** percent.
- Mean Growth Rate: **37.2312088** percent.
- Median Growth Rate: **39.6581197** percent.
- Standard deviation: +/- **16.1993599**.

US Corona Dashboard

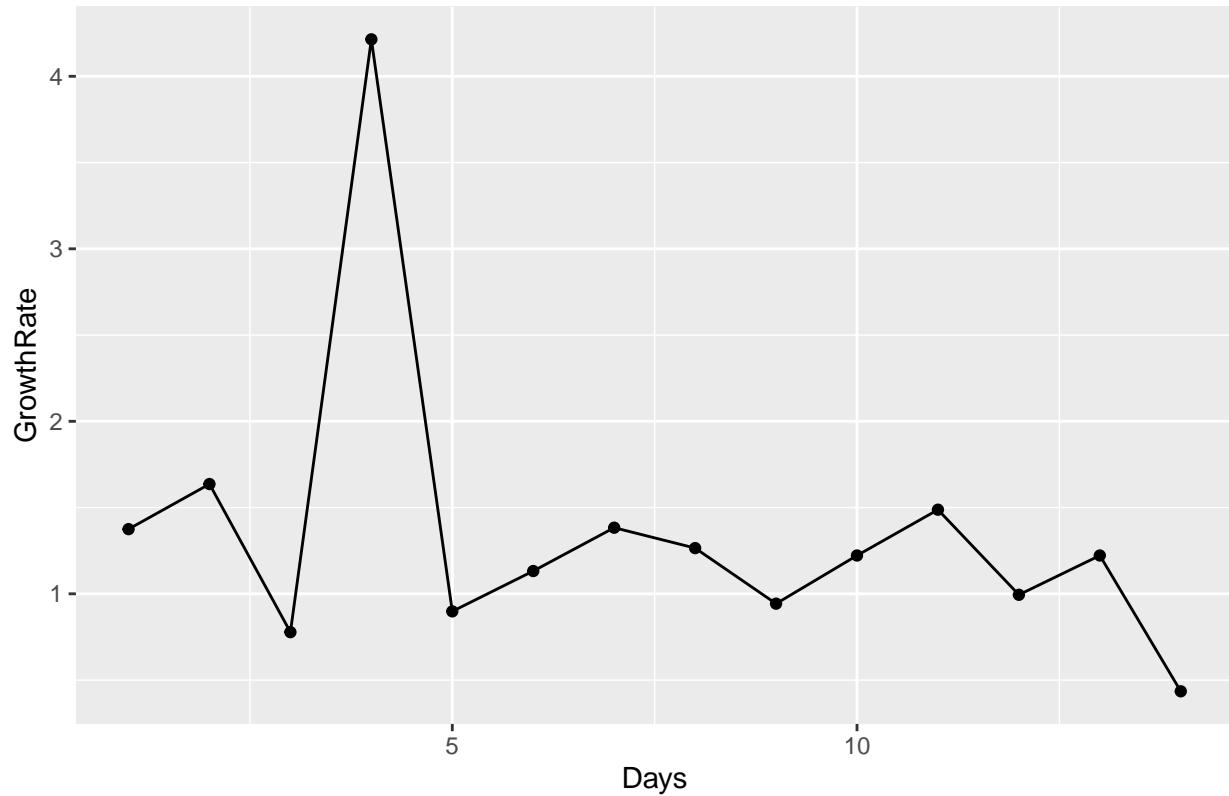
US: Daily Cases



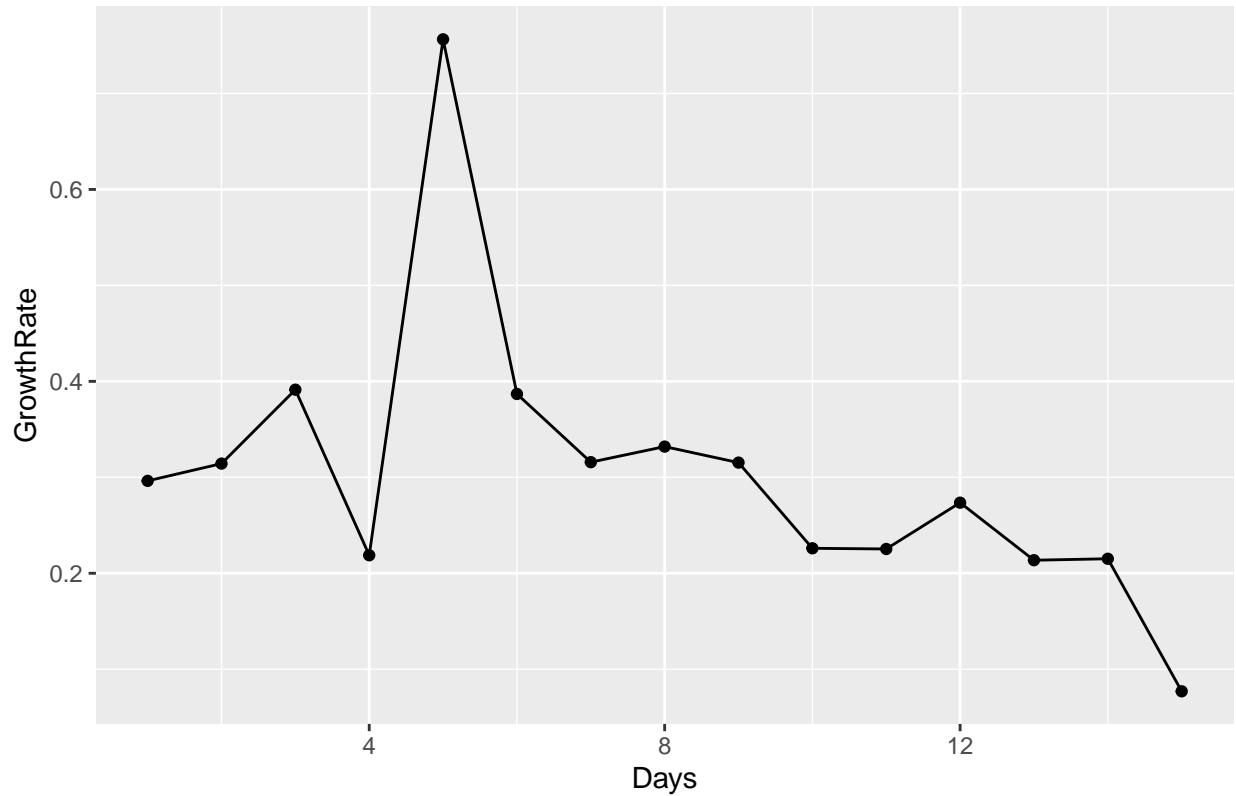
US: Daily Cases



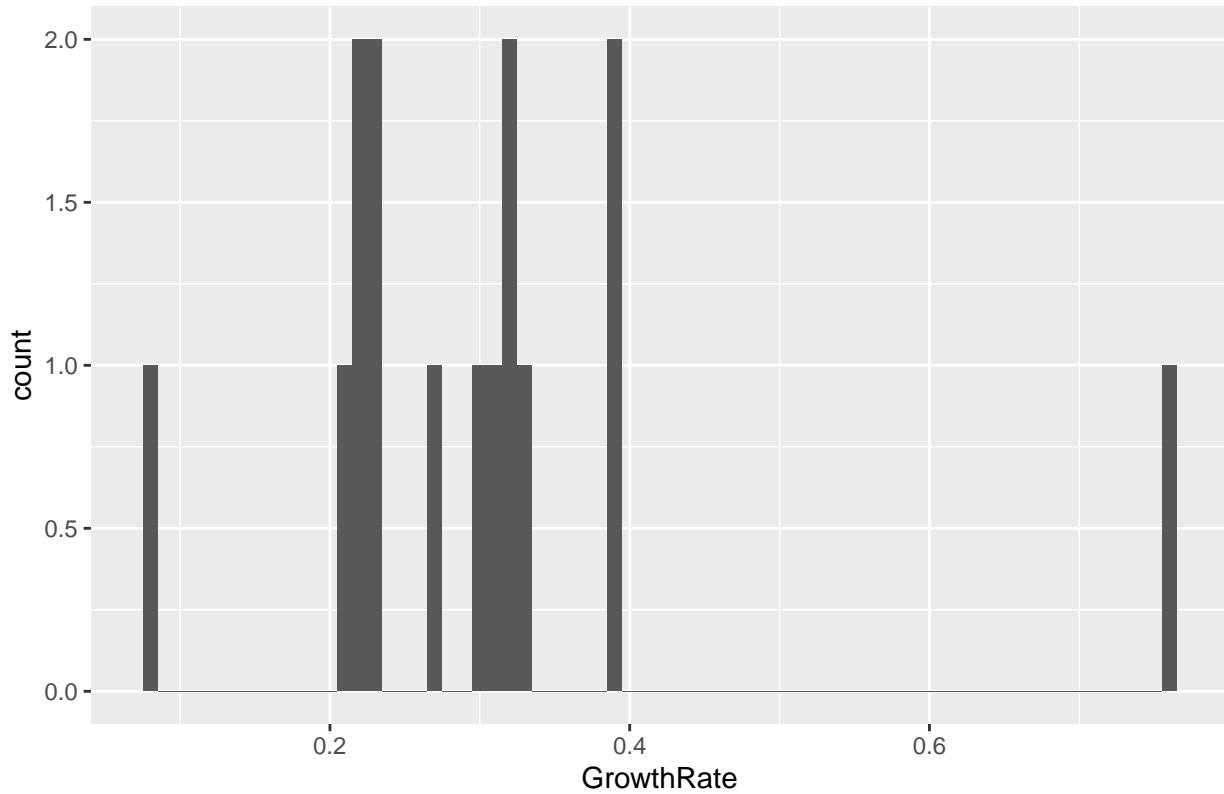
US: Rate of change in Growth Rate



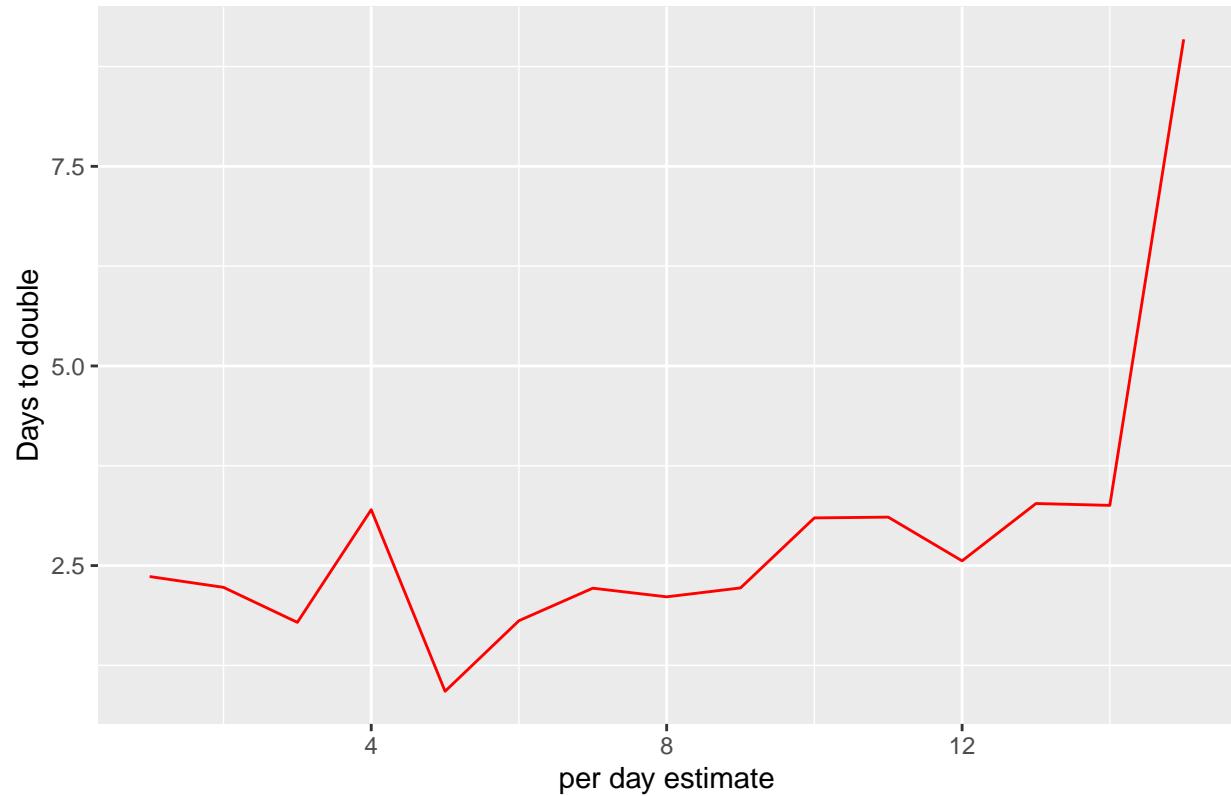
US: Growth Rate



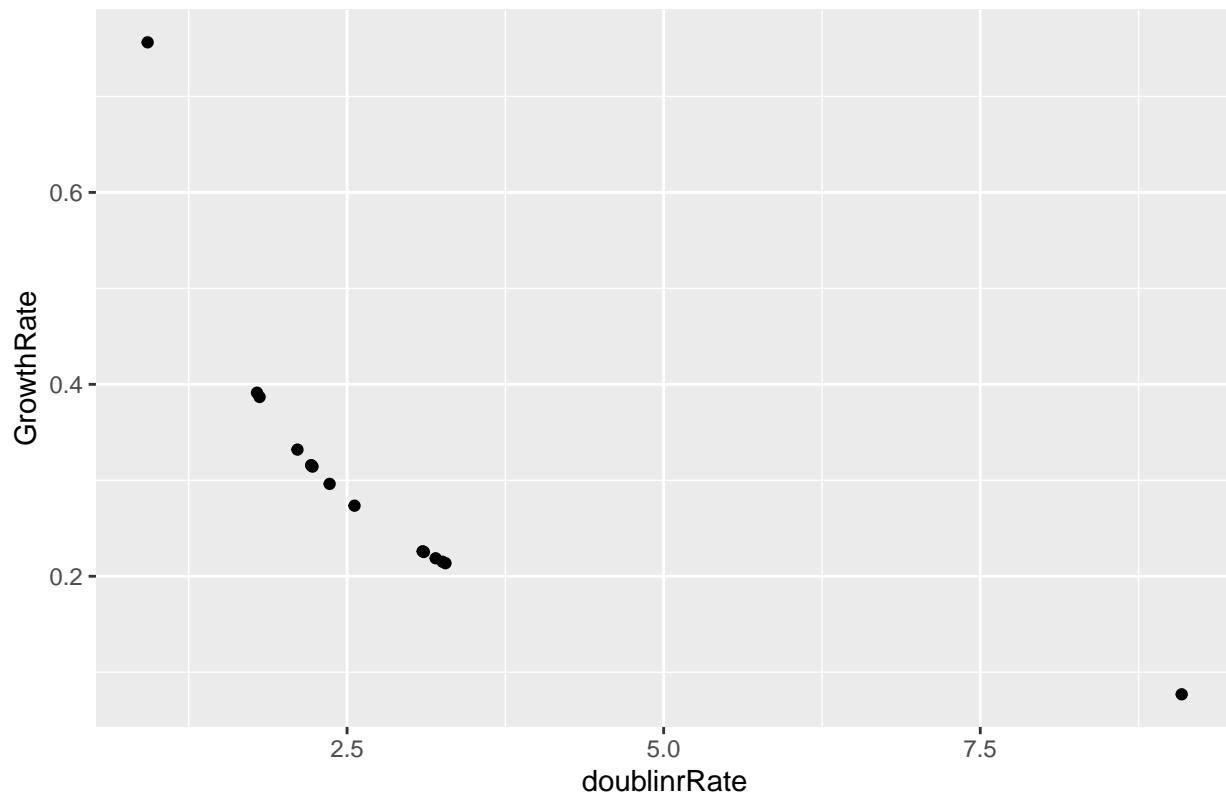
Histogram of GrowthRate



Doubling Rate in days



Doubling Rate vs Growth Rate

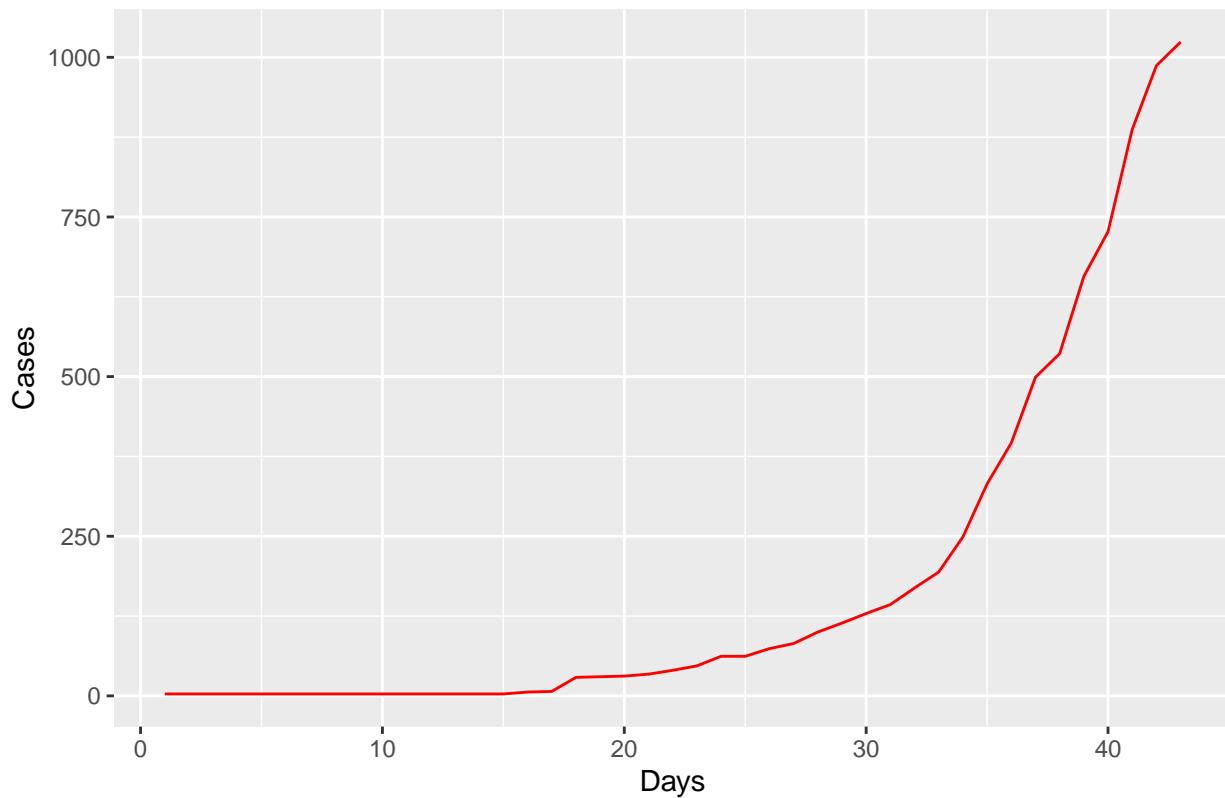


Results:

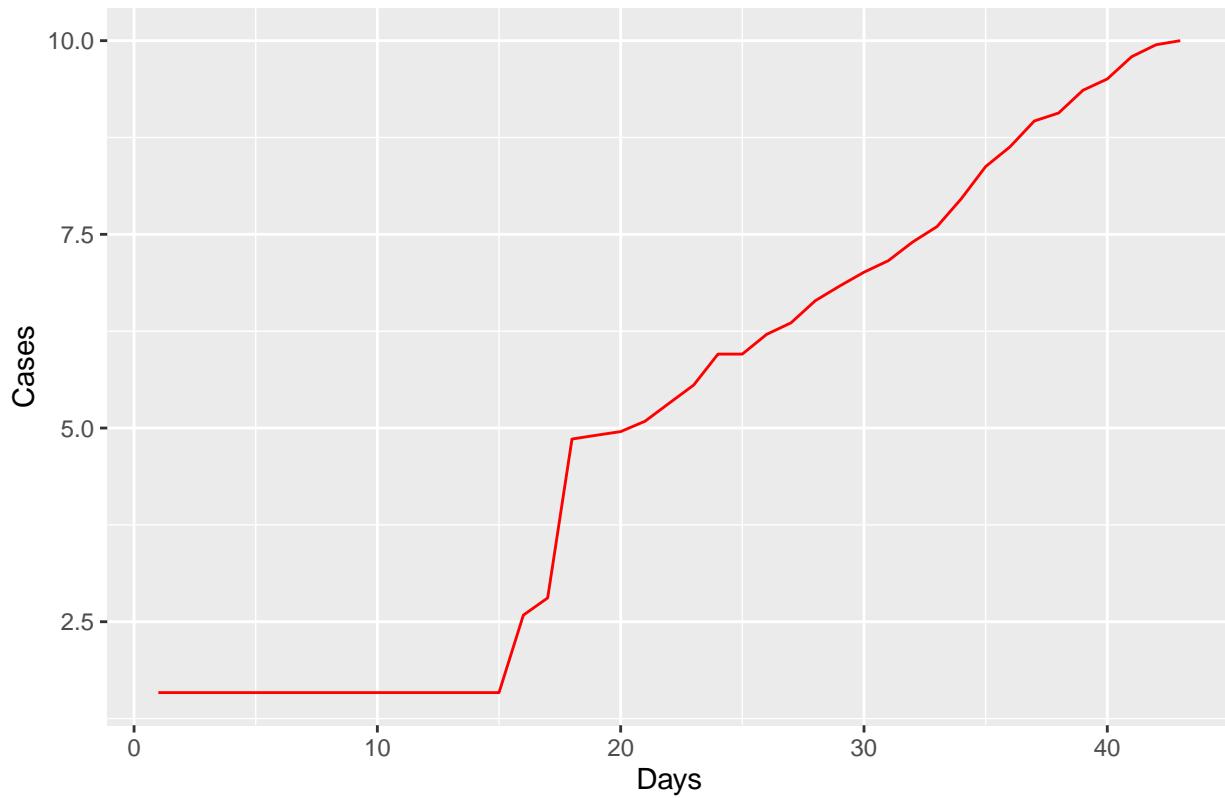
- Tomorrows predicted case number is between 1.4334277×10^5 and 1.7353375×10^5 cases.
- Current doubling rate is **9 days**
- Mean doubling rate, i.e number of cases doubles every **2 days**.
- Median doubling rate, i.e number of cases doubles every **2 days**.
- Latest Observed Growth Rate **7.7003997** percent.
- Mean Growth Rate: **30.384353** percent.
- Median Growth Rate: **29.6296296** percent.
- Standard deviation: +/- **14.8429977**.

India Corona Dashboard

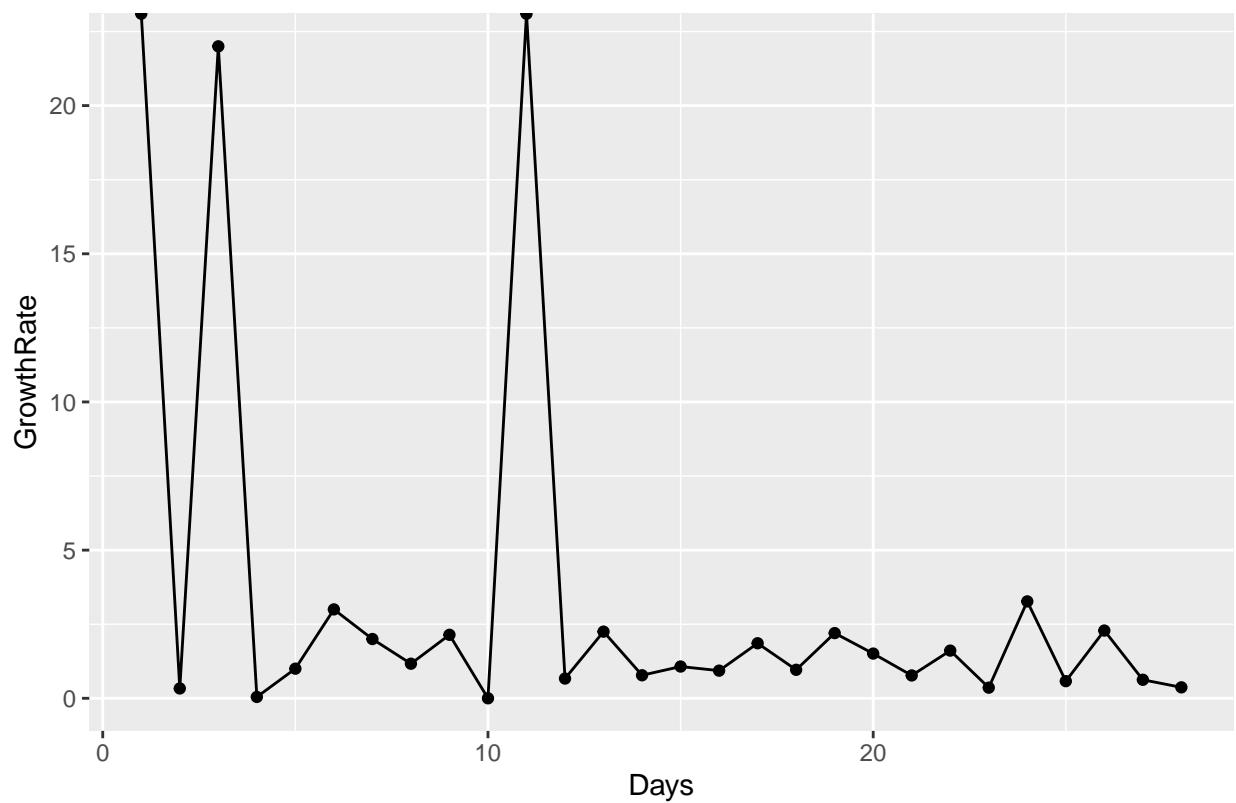
India: Daily Cases



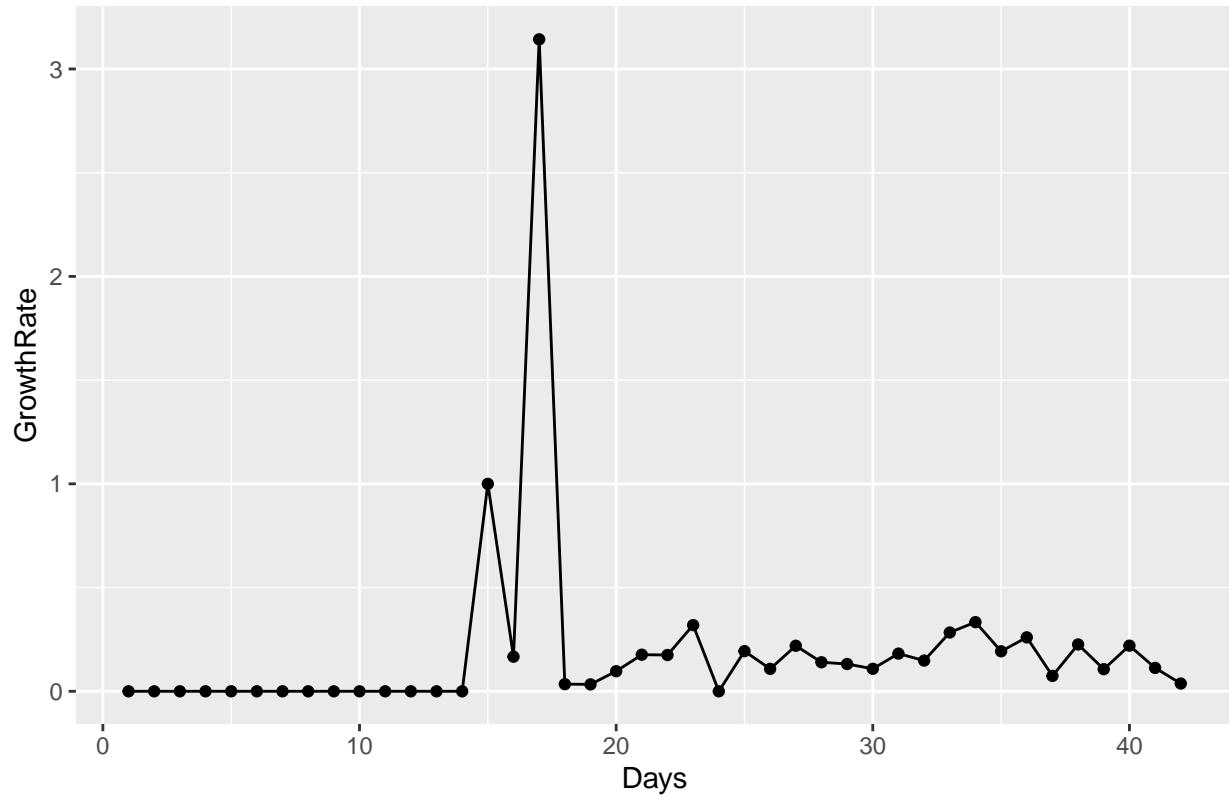
India: Daily Cases



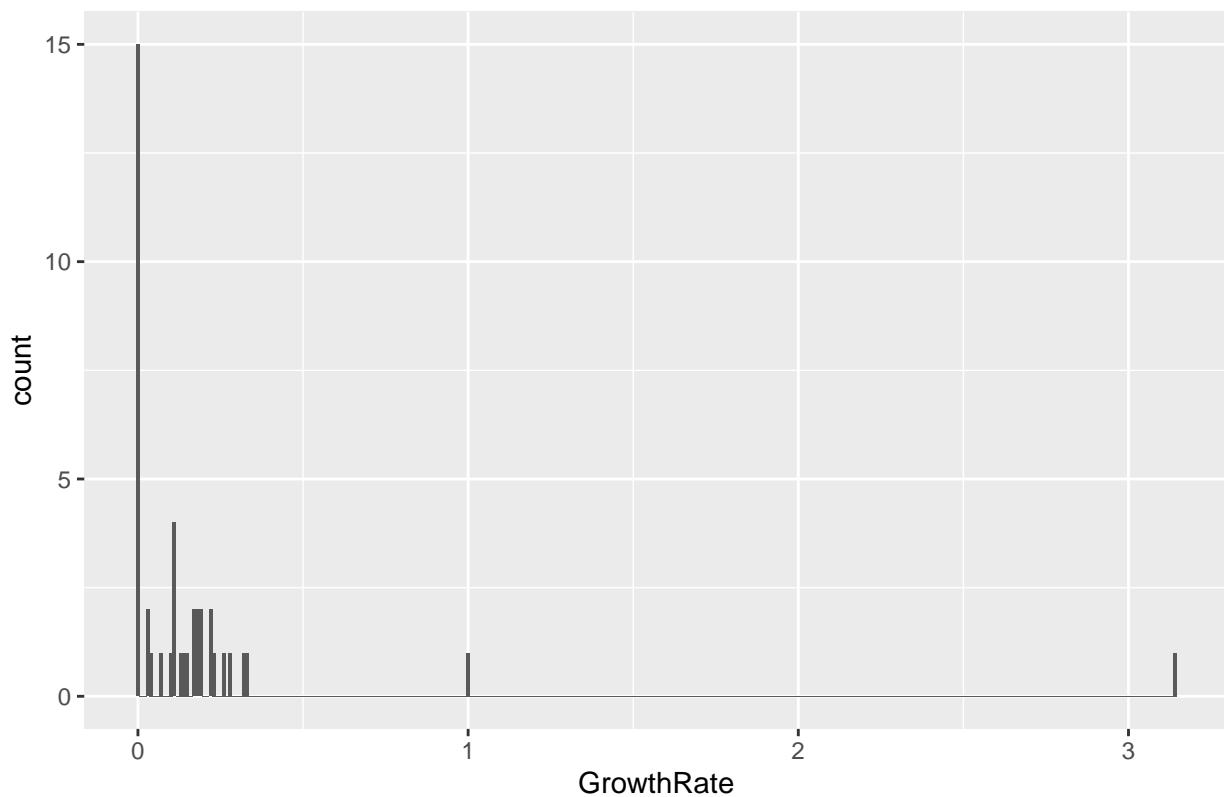
US: Rate of change in Growth Rate



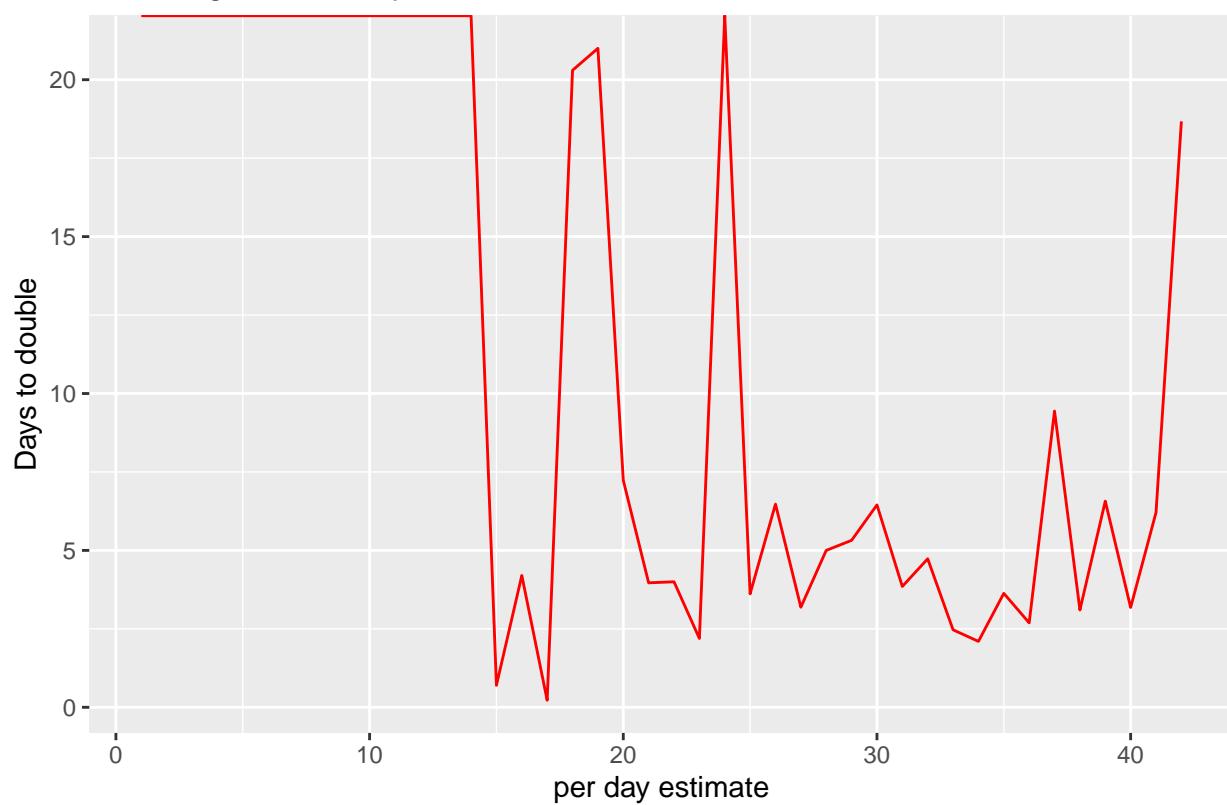
India: Growth Rate



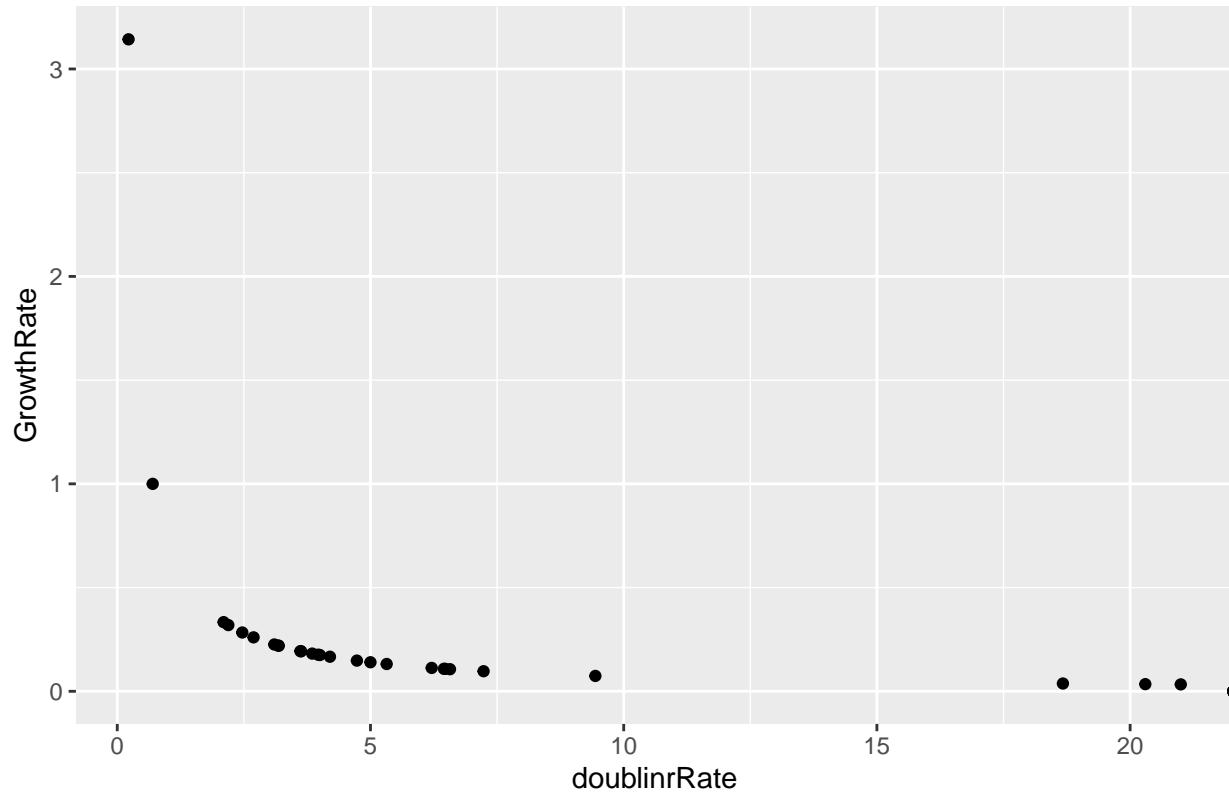
Histogram of GrowthRate



Doubling Rate in days



Doubling Rate vs Growth Rate



Results:

- Tomorrows predicted case number is between **1062.3870314** and **1224.4654336** cases.
- Current doubling rate is **19 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 **3.7487335** percent.
- Mean Growth Rate: **19.5767025** percent.
- Median Growth Rate: **10.7326505** percent.
- Standard deviation: +/- **49.6293751**.