

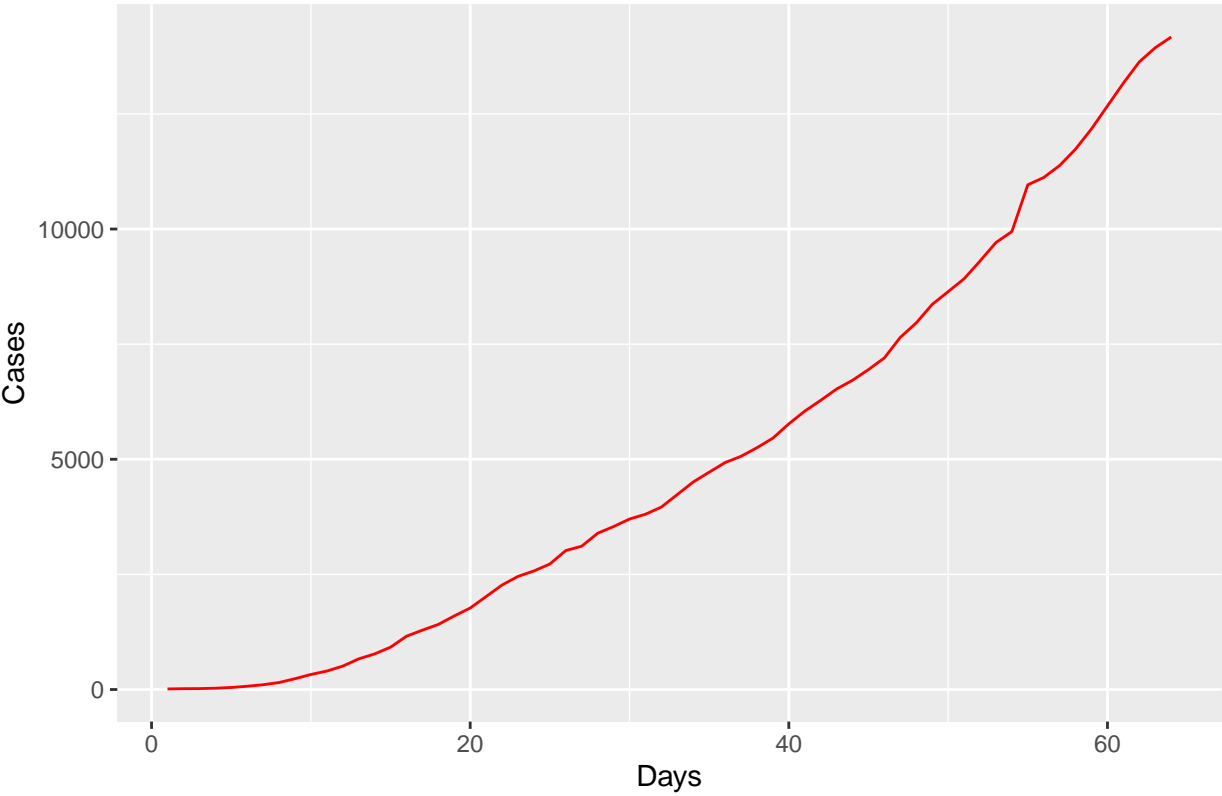
Arizona/US/India Corona Trends- 13th May 2020 with tomorrow's prediction

Whitchurch Muthumani

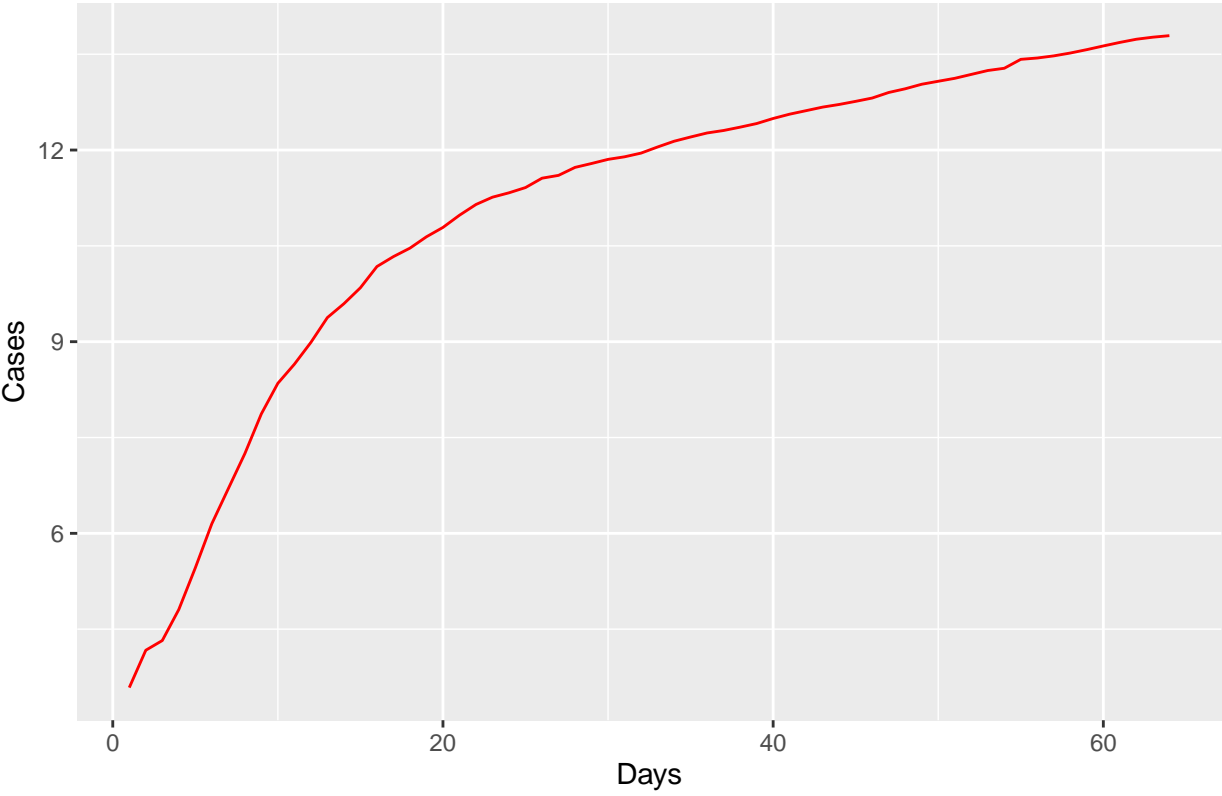
5/13/2020

Arizona Corona Dashboard

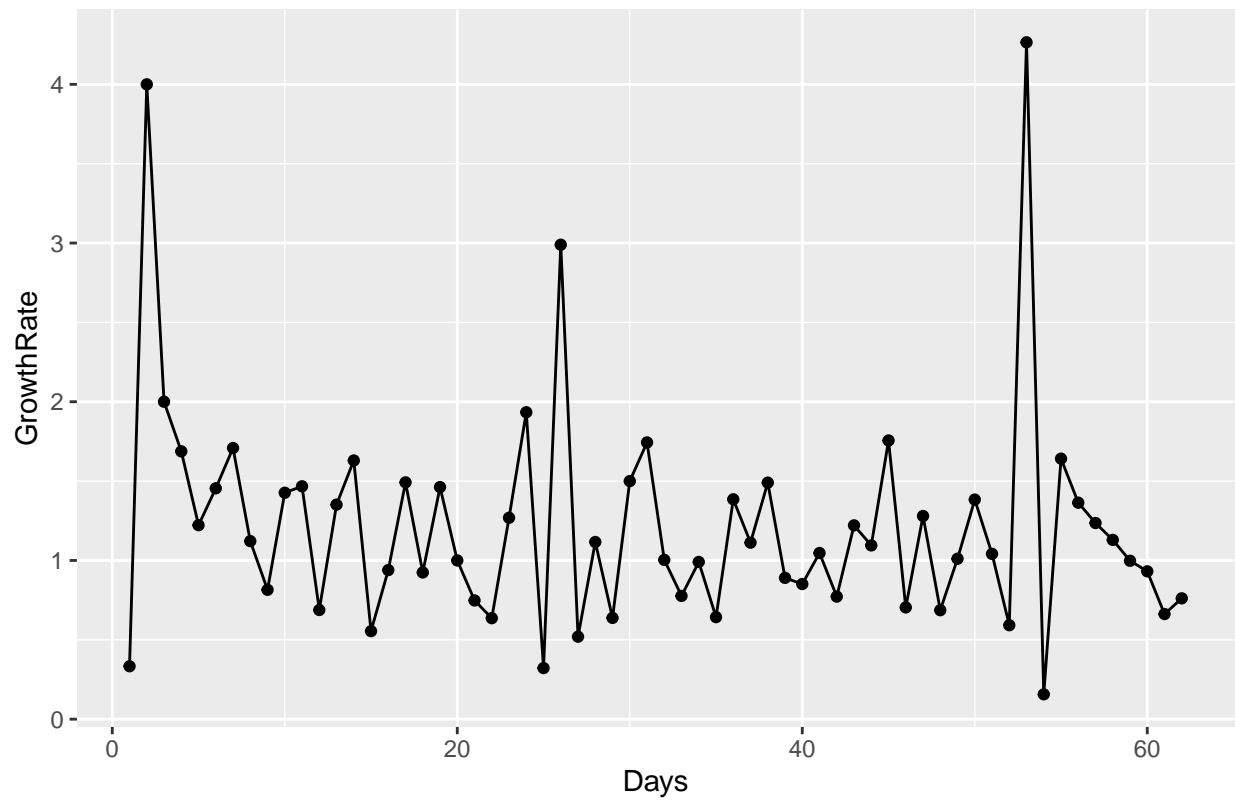
Arizona: Daily Cases

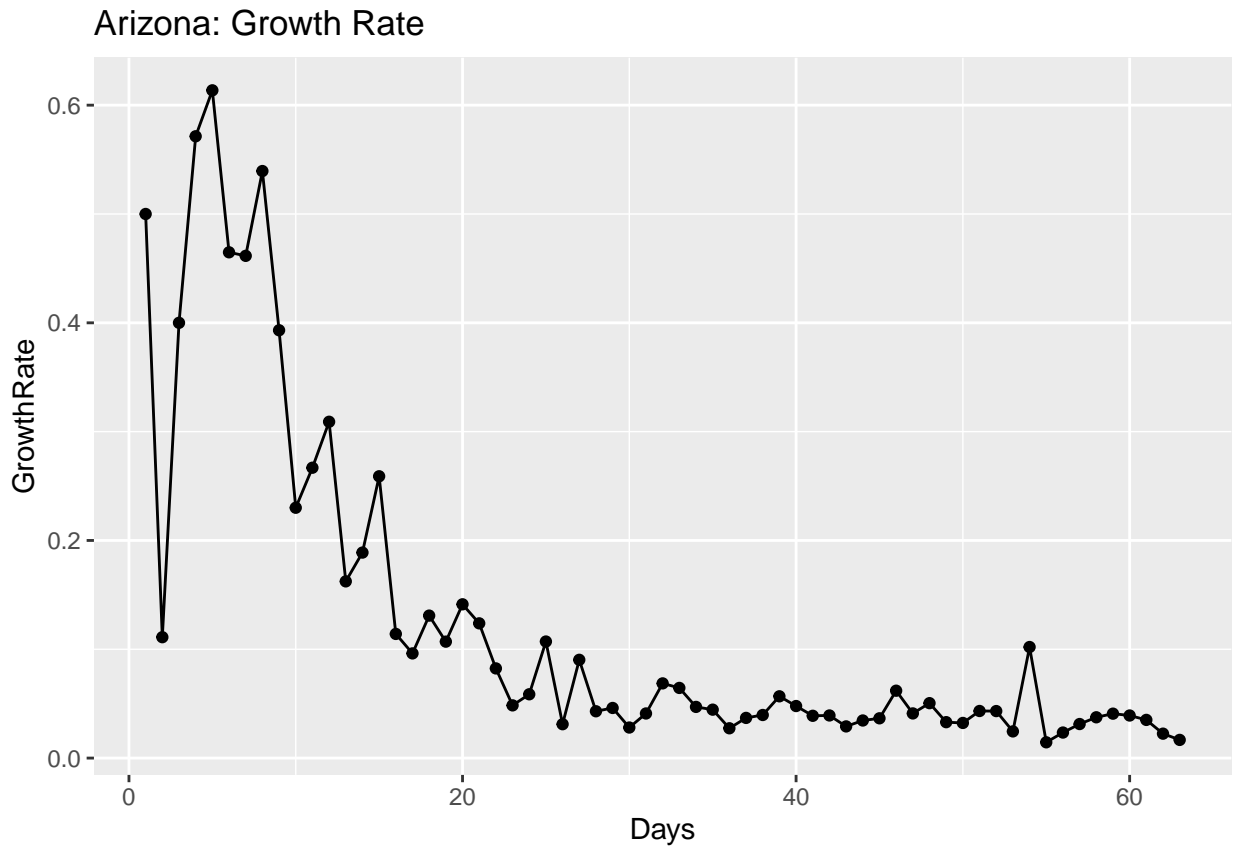


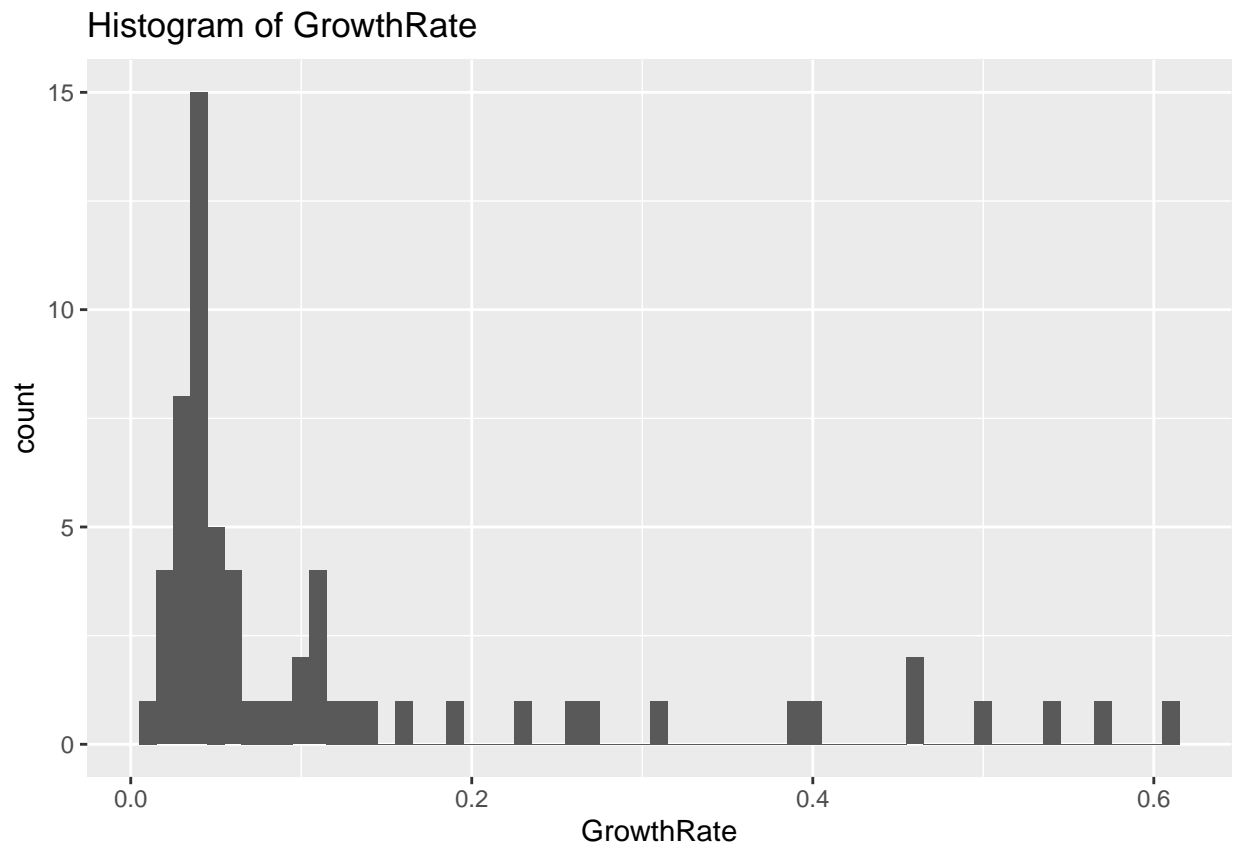
Arizona: Daily Cases

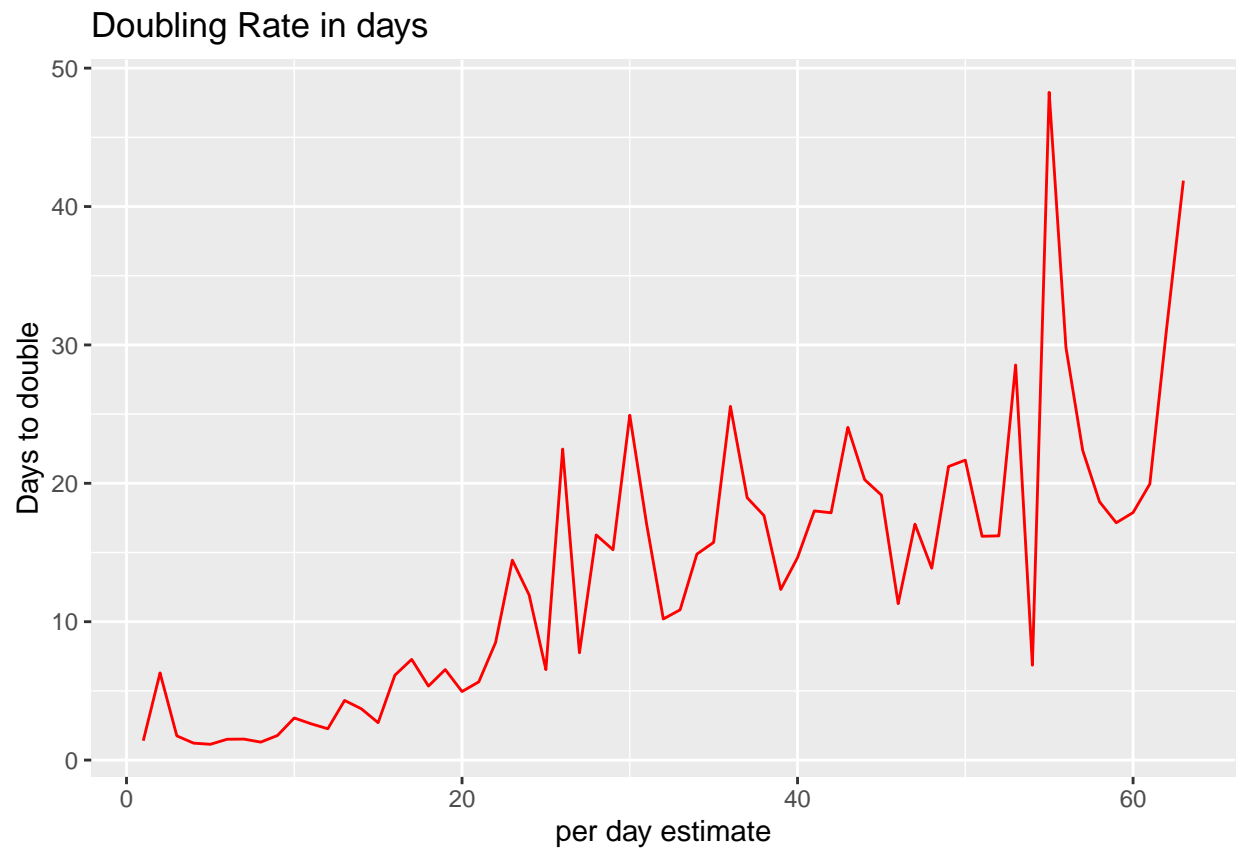


Arizona: Rate of change in Growth Rate

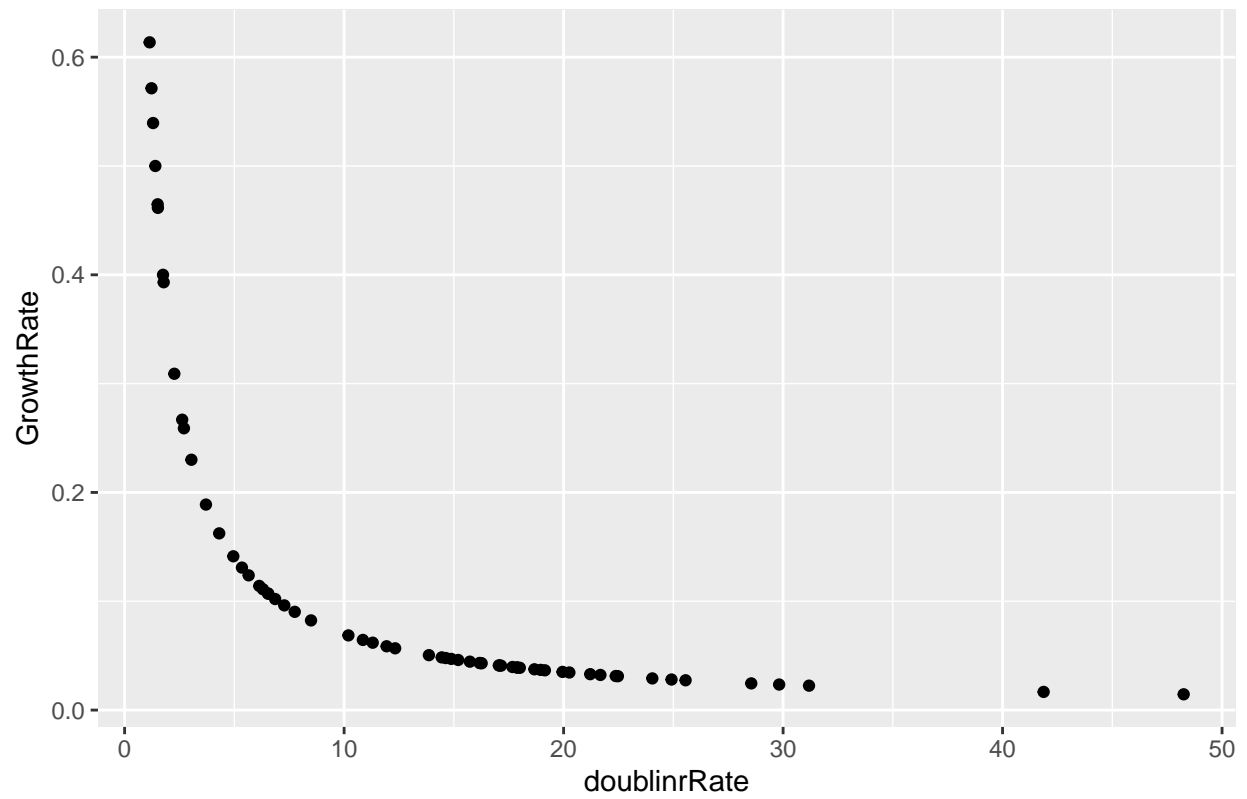


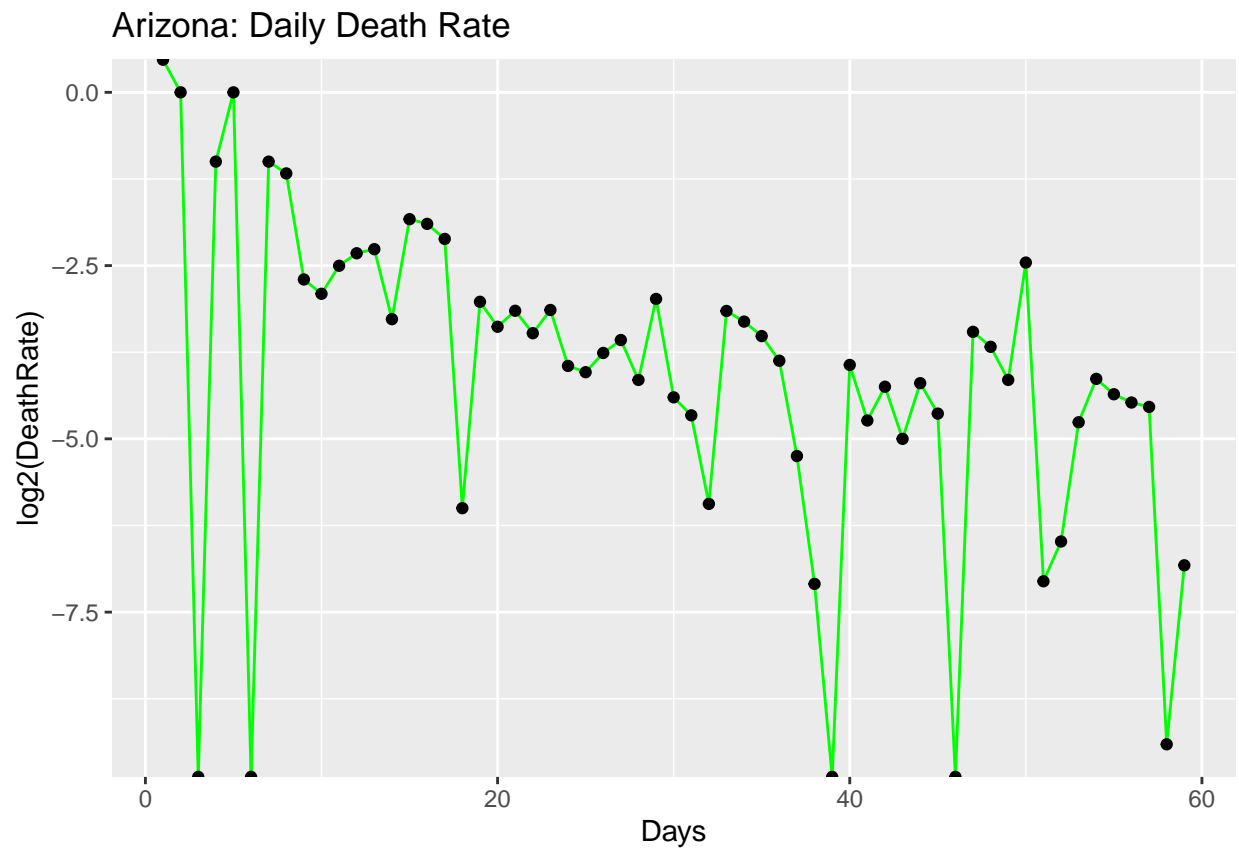


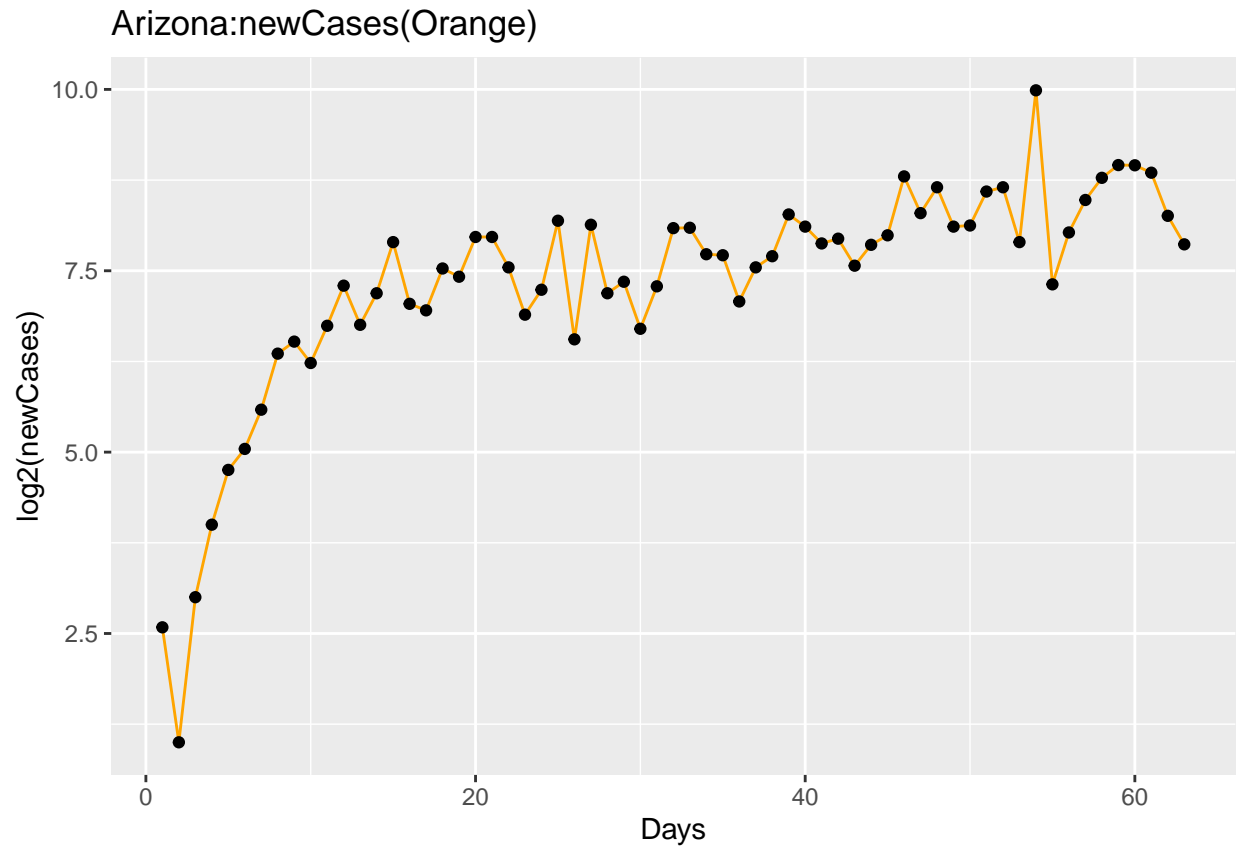


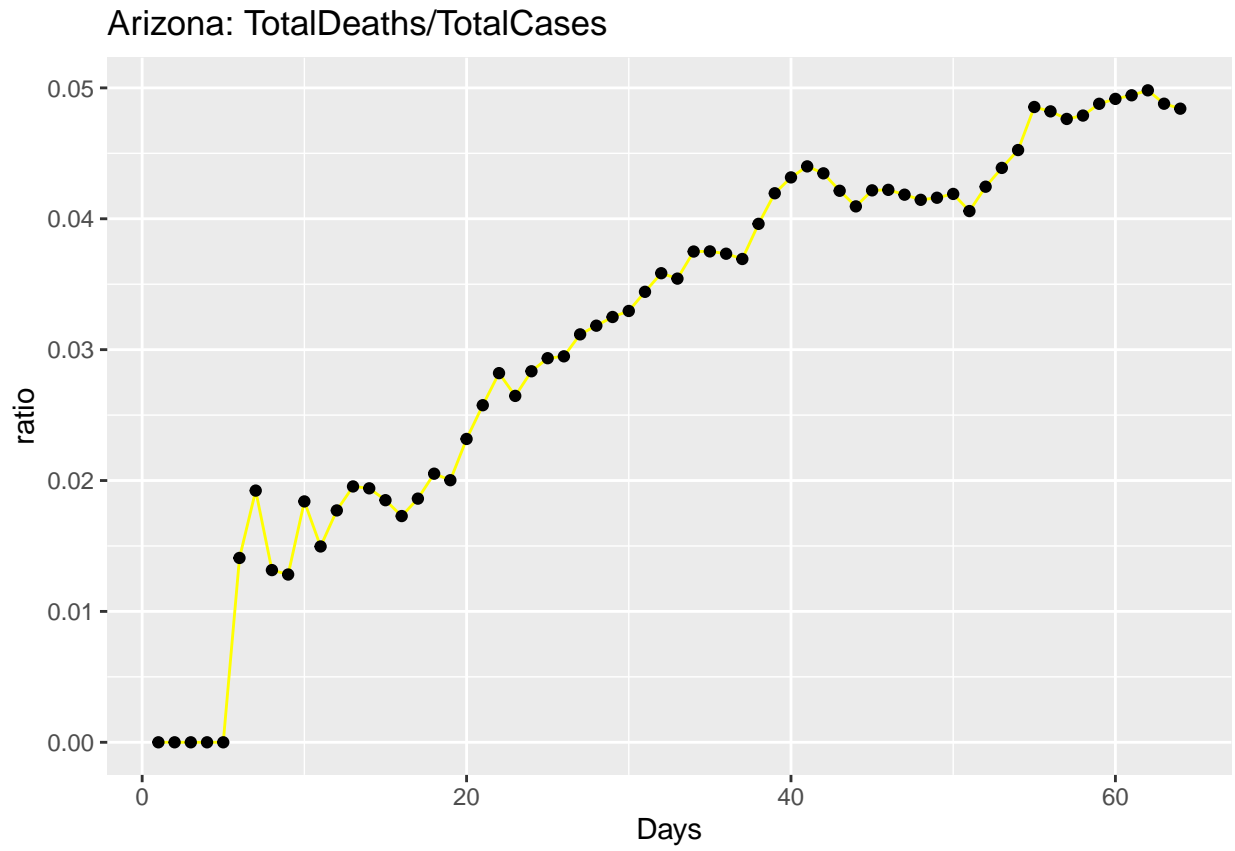


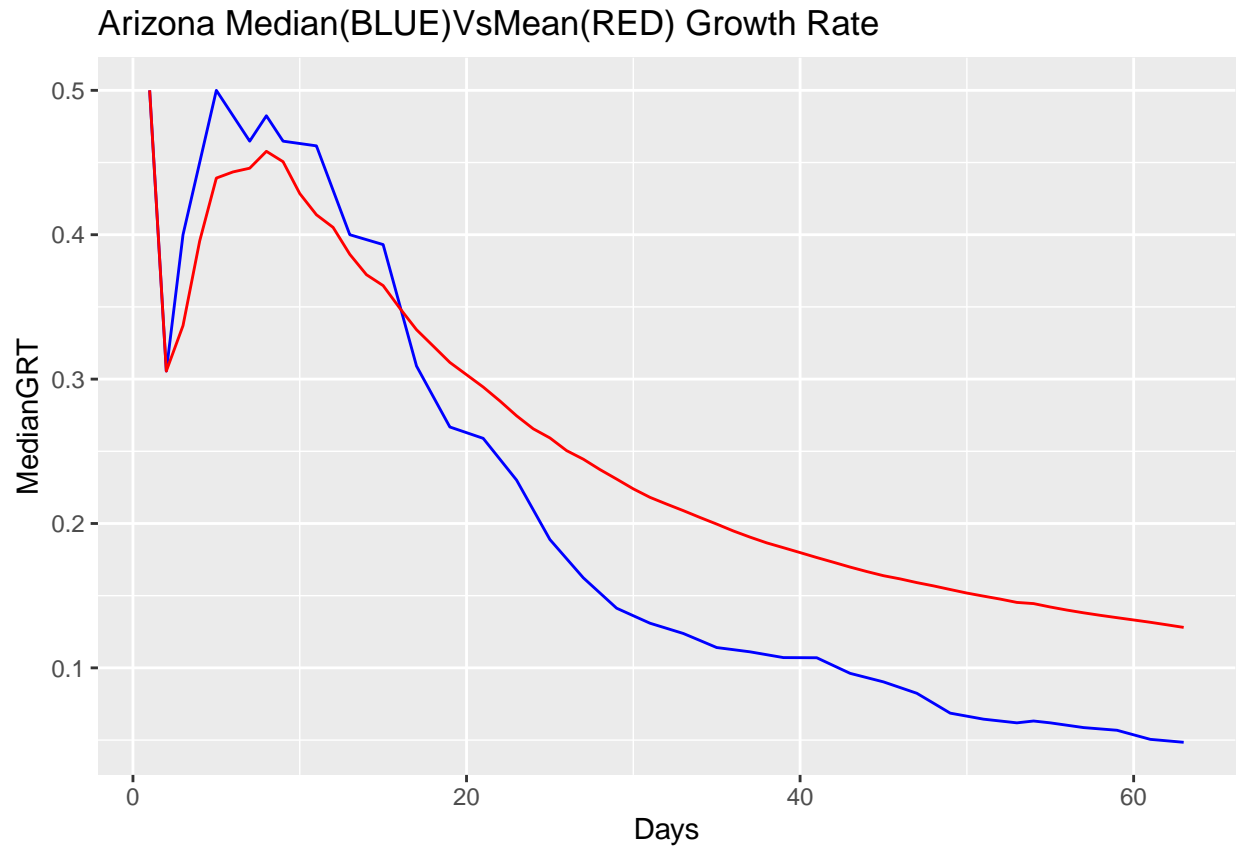
Doubling Rate vs Growth Rate









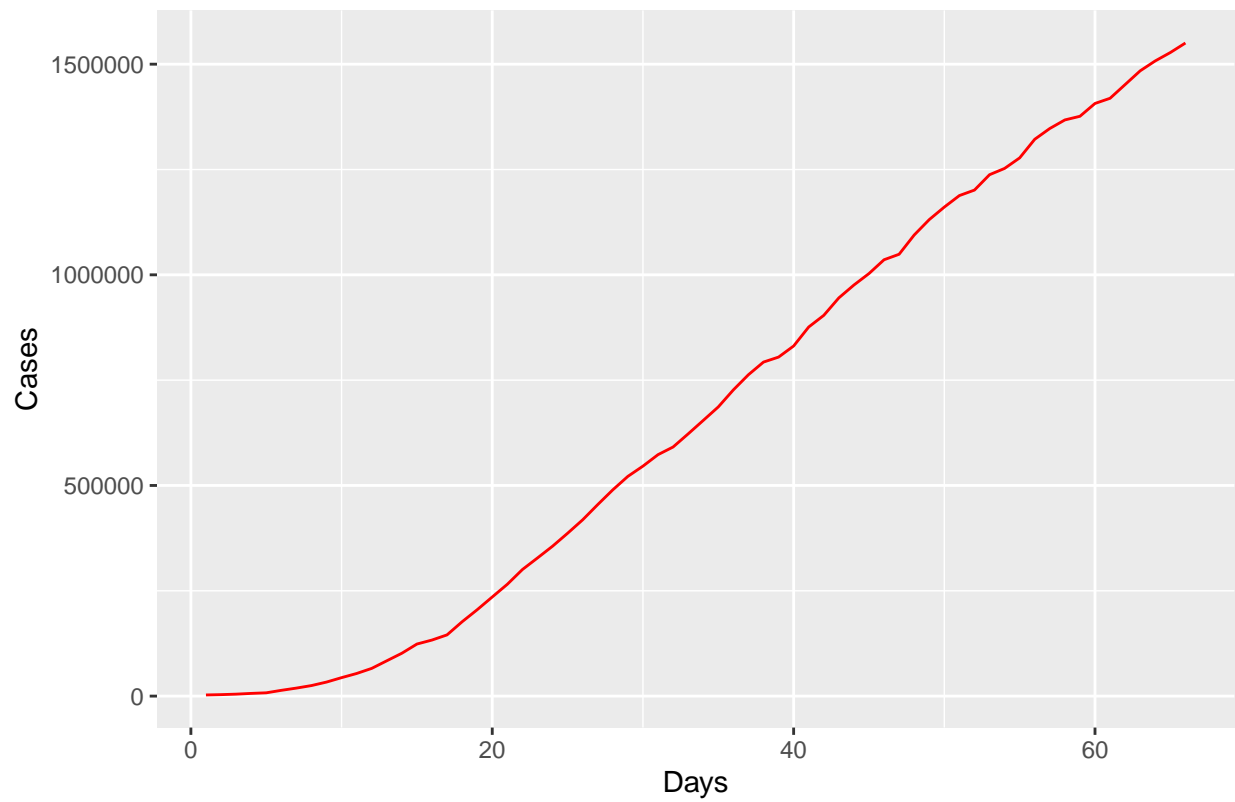


Results:

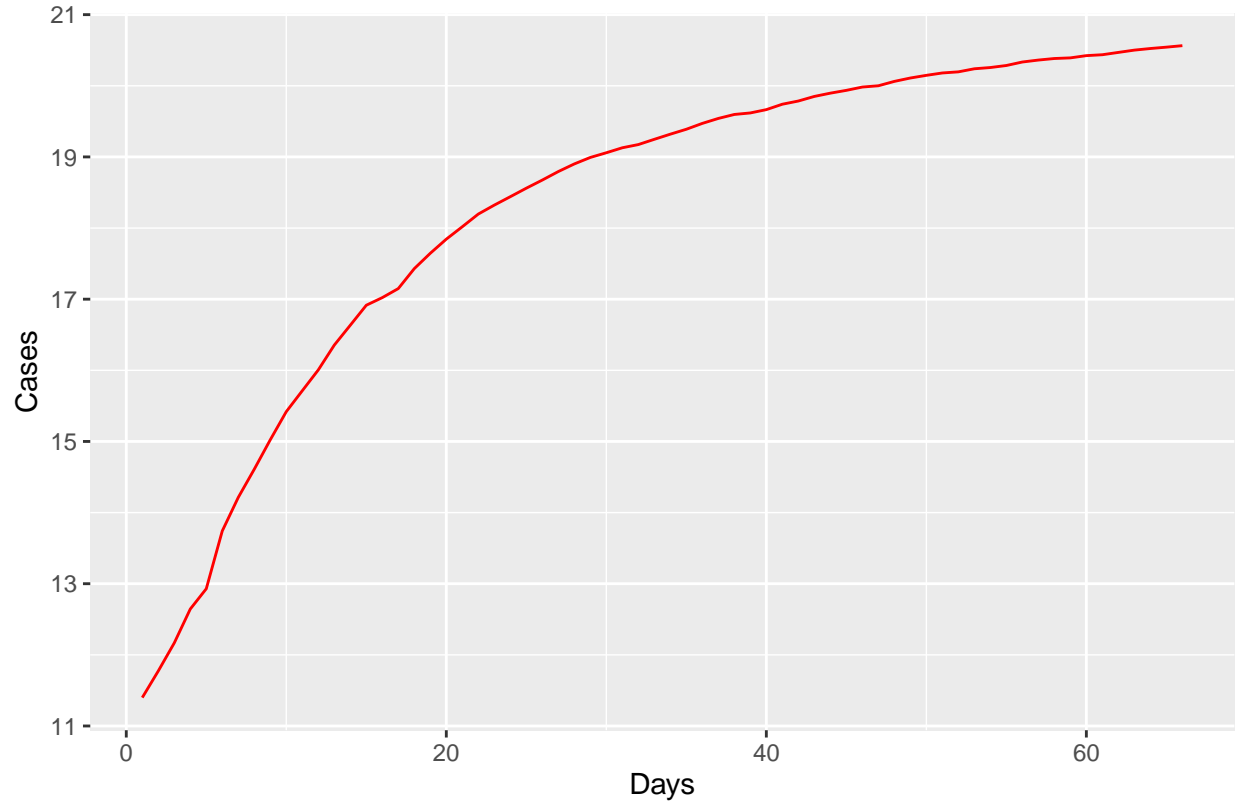
- Tomorrow's predicted case number is between 1.4406895×10^4 and 1.5984036×10^4 cases.
- Current doubling rate is **42 days**
- Mean doubling rate, i.e number of cases doubles every **5 days**.
- Median doubling rate, i.e number of cases doubles every **14 days**.
- Latest Observed Growth Rate **1.6718089** percent.
- Mean Growth Rate: **12.8019456** percent.
- Median Growth Rate: **4.8452769** percent.
- Standard deviation: +/- **15.5756305**.

US Corona Dashboard

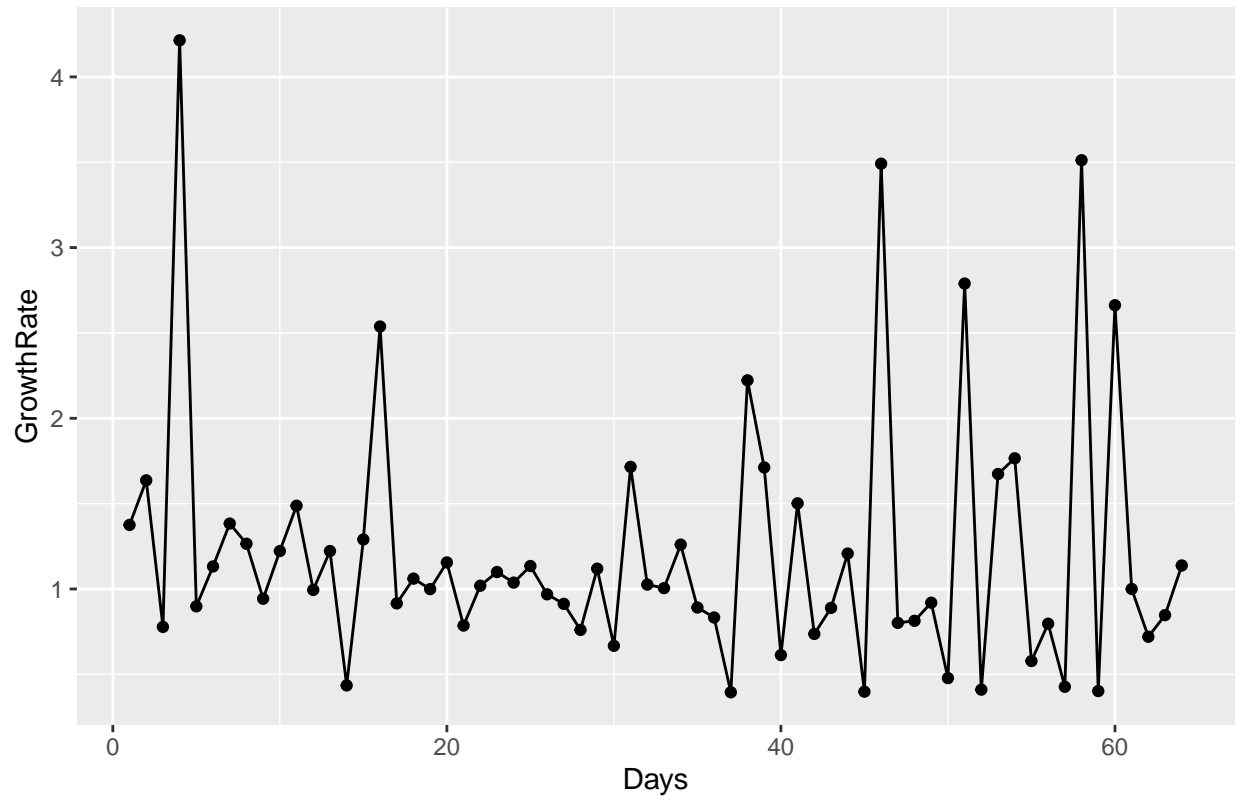
US: Daily Cases



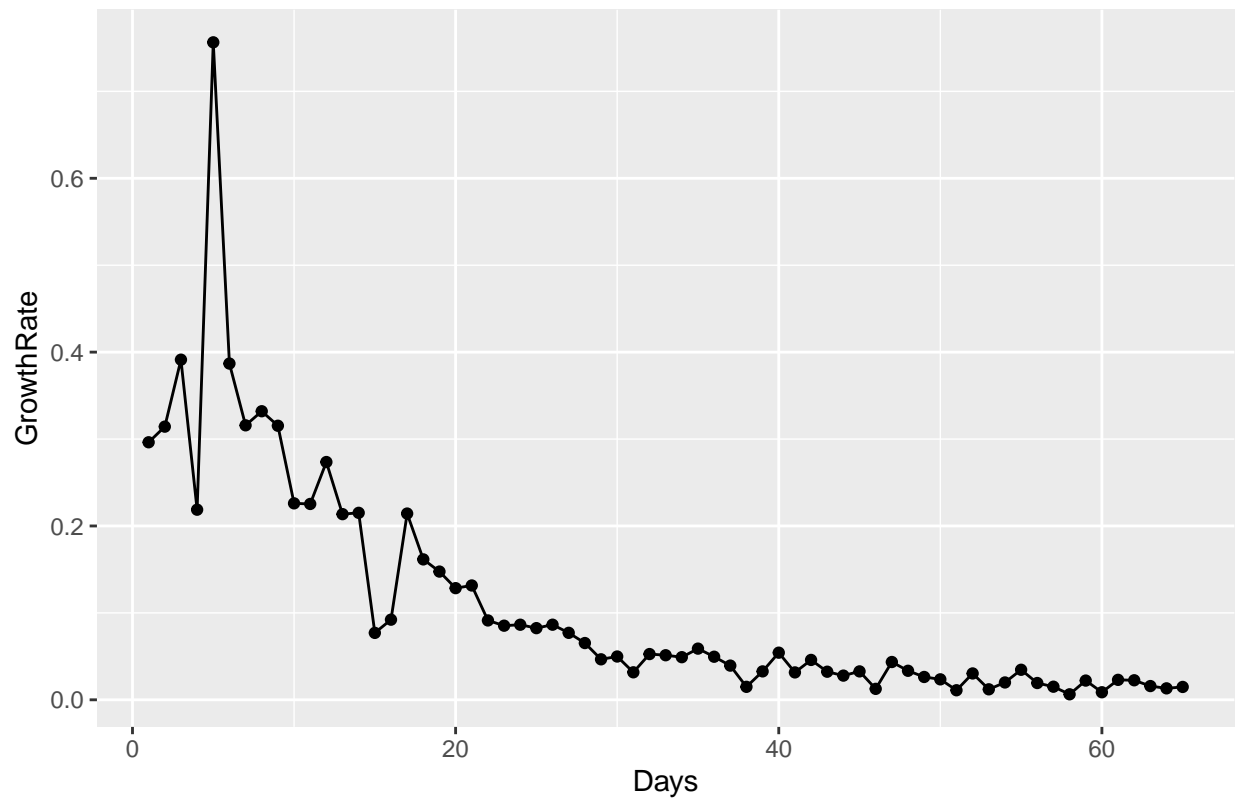
US: Daily Cases

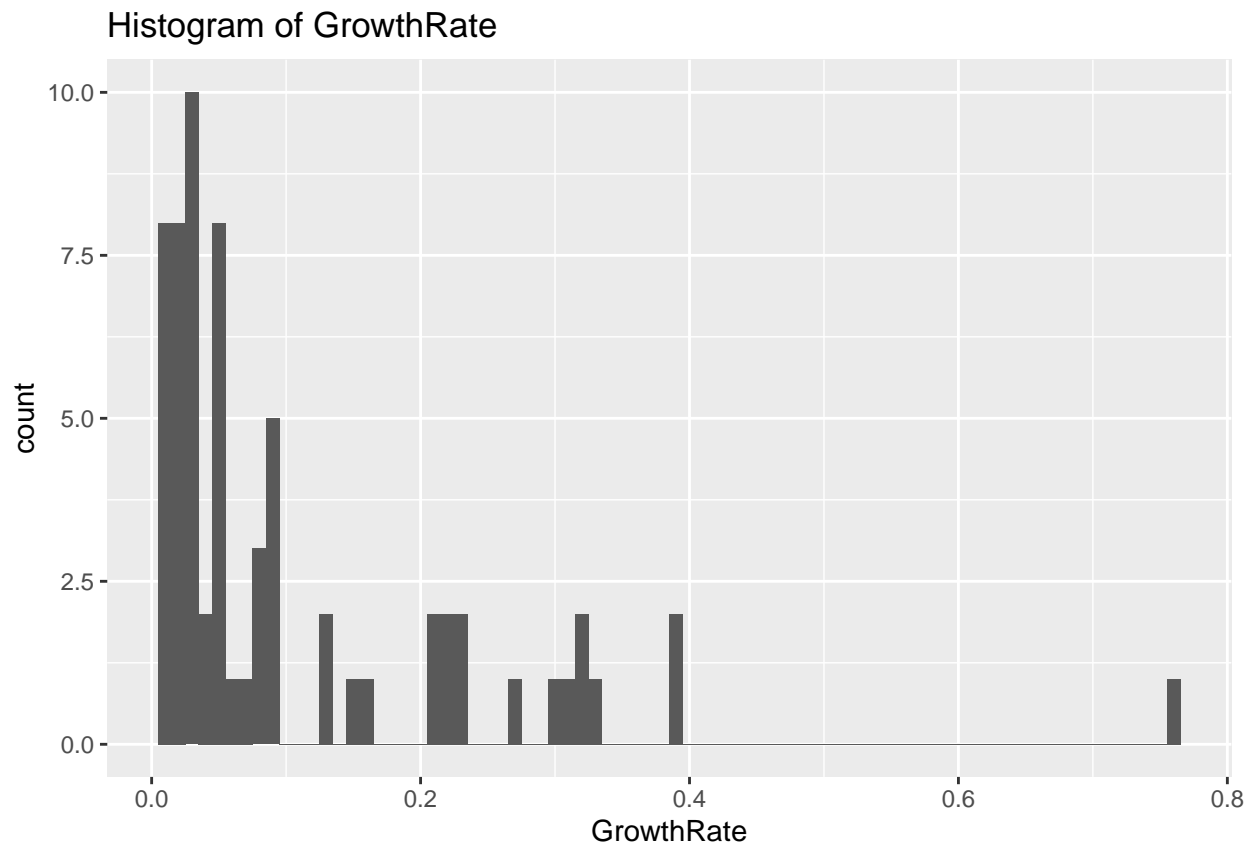


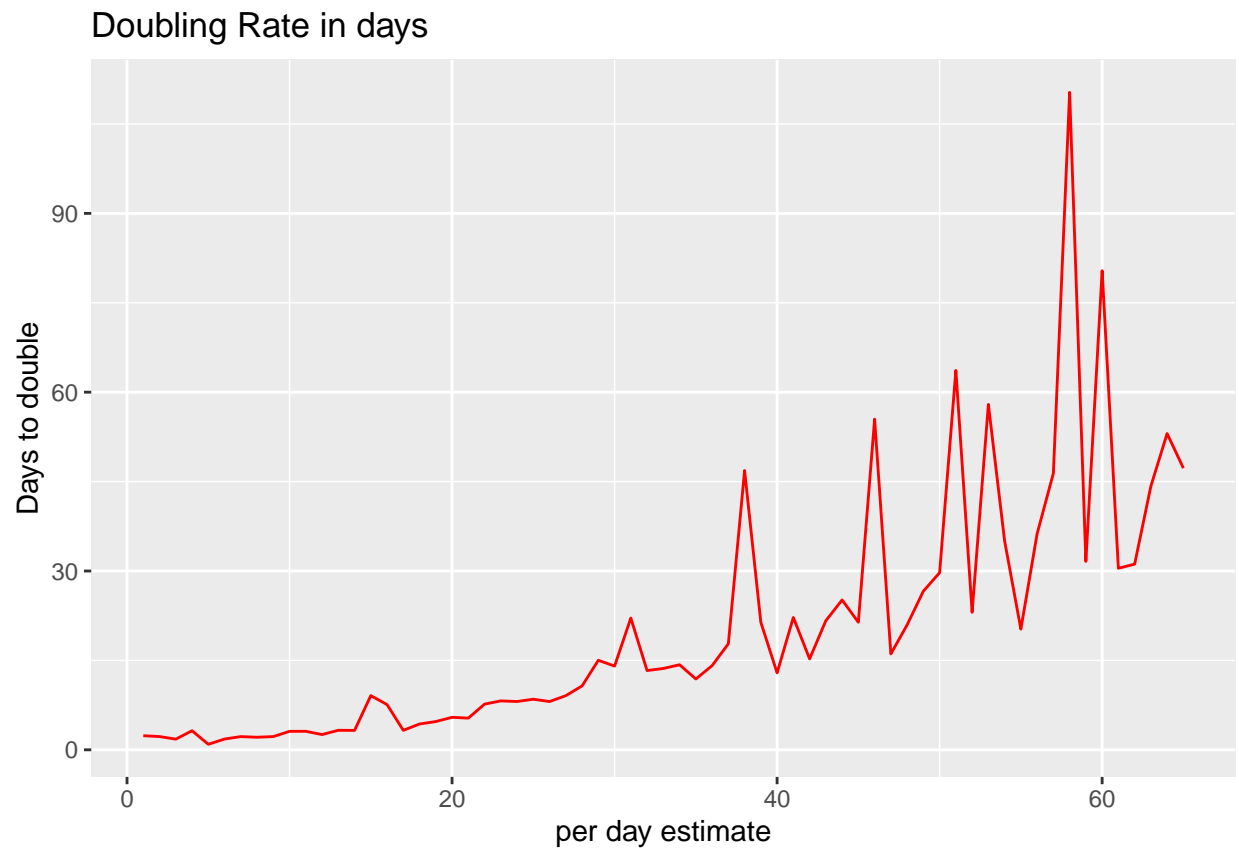
US: Rate of change in Growth Rate



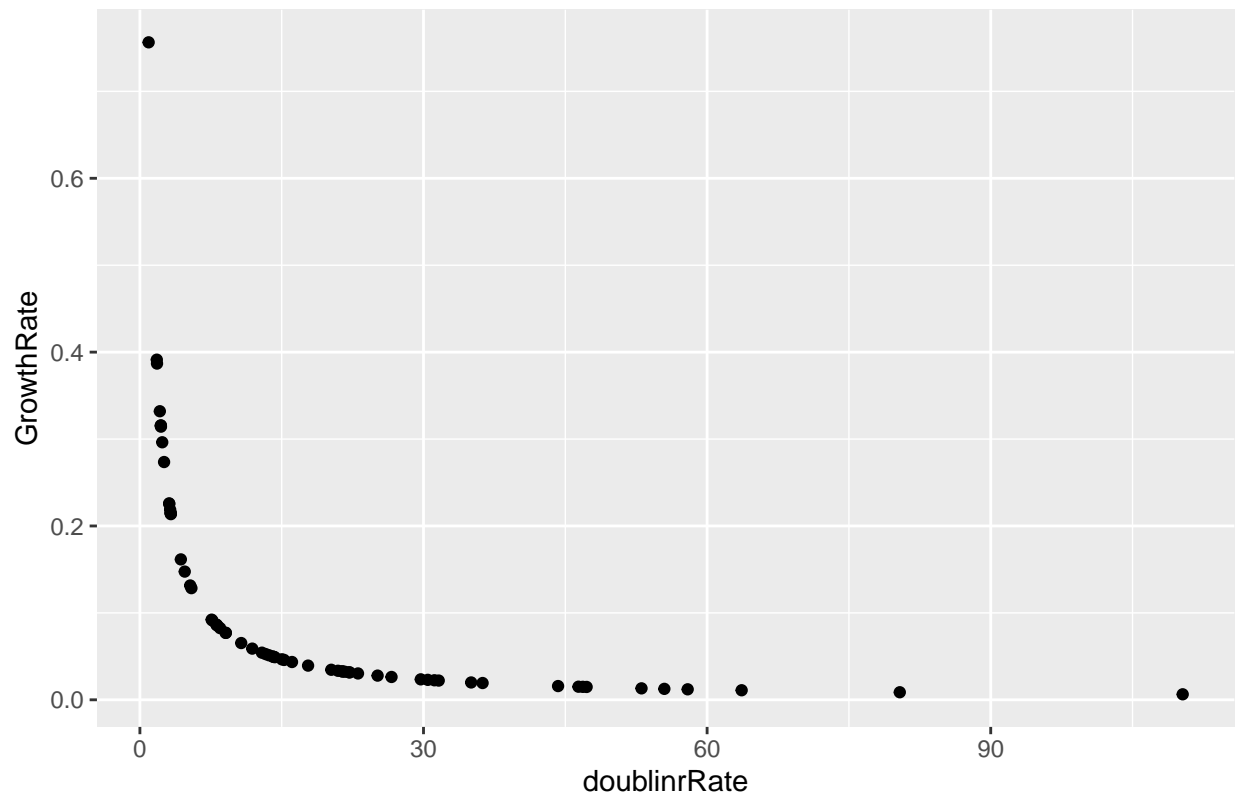
US: Growth Rate

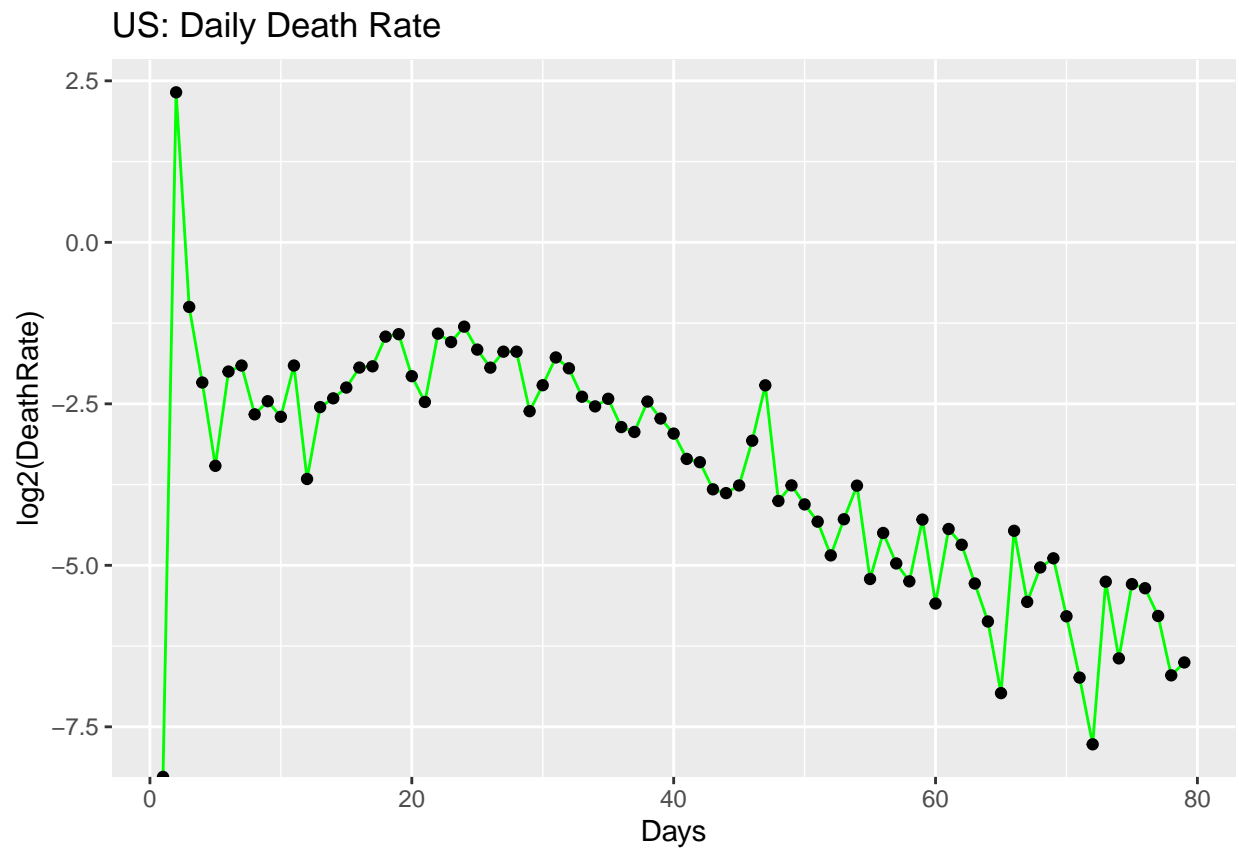


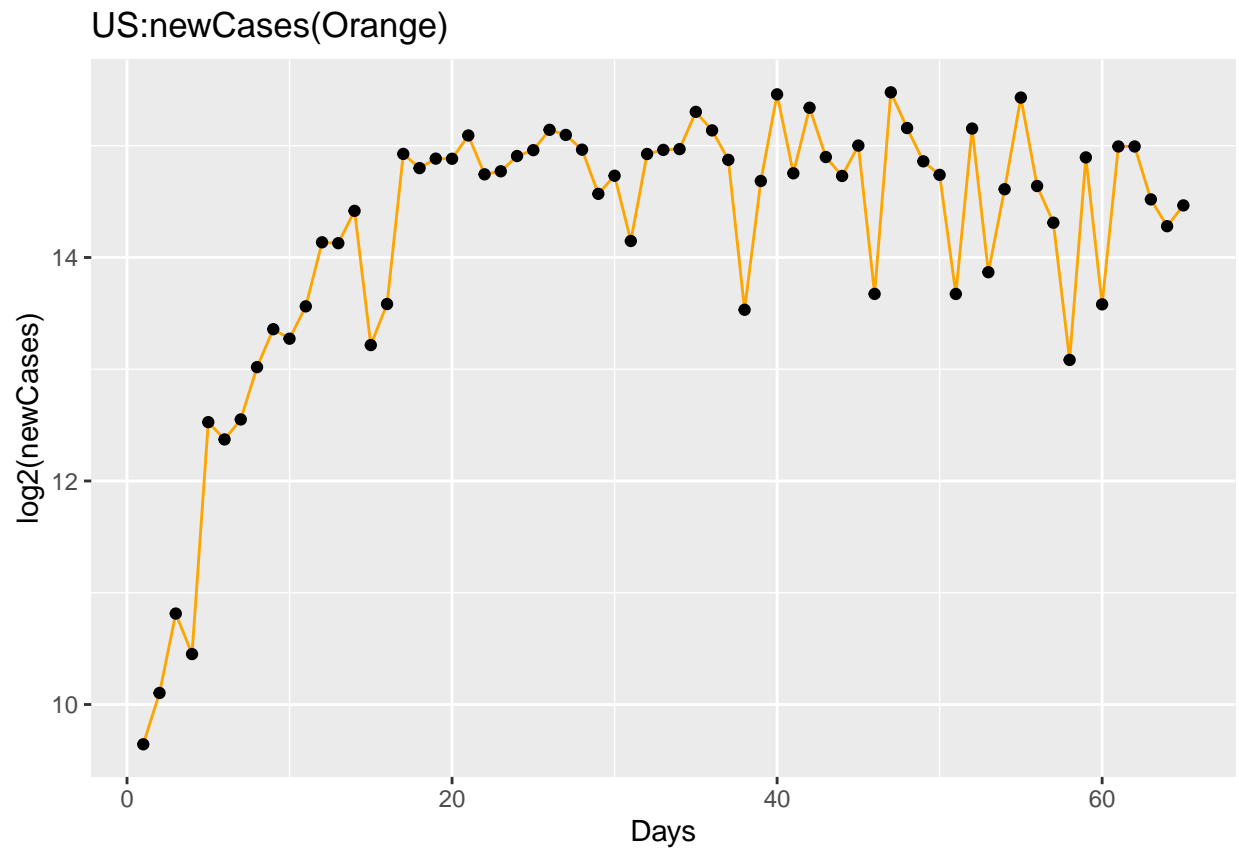


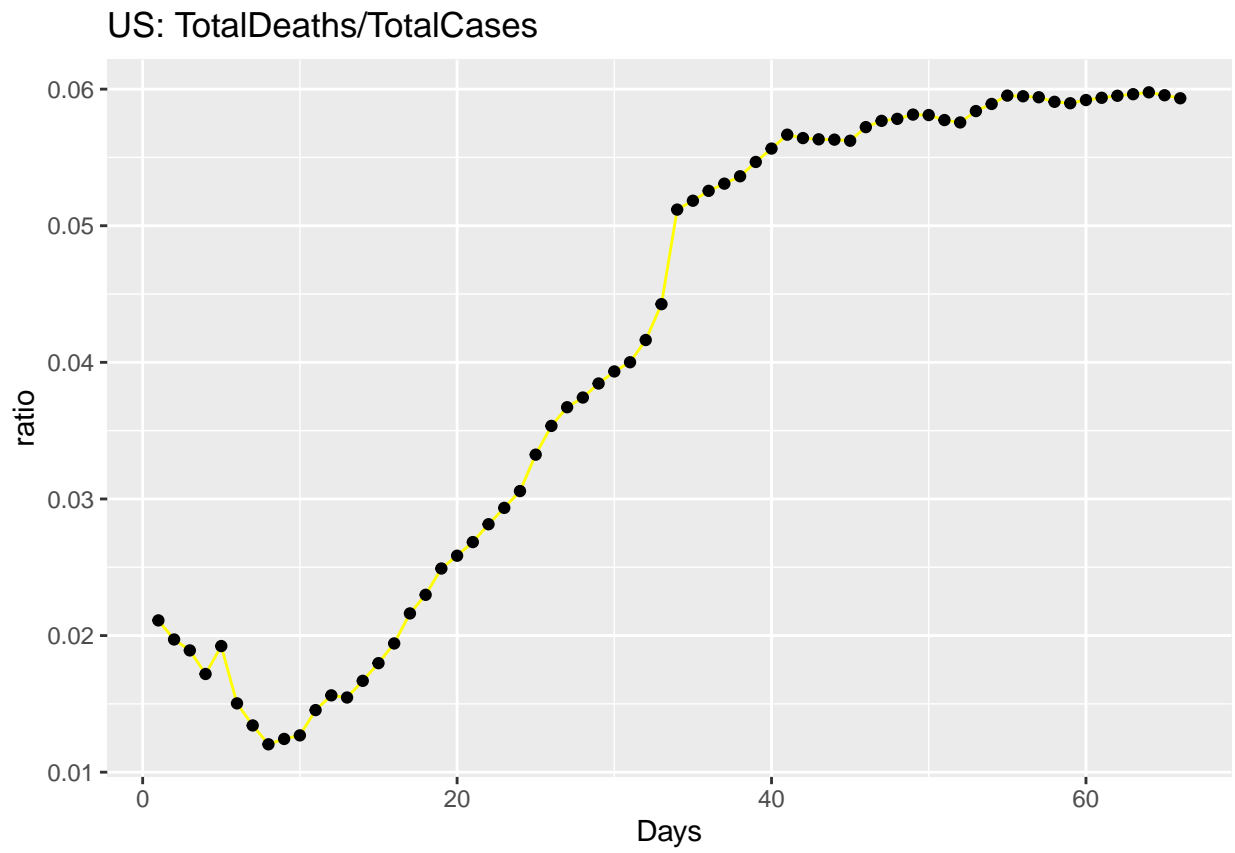


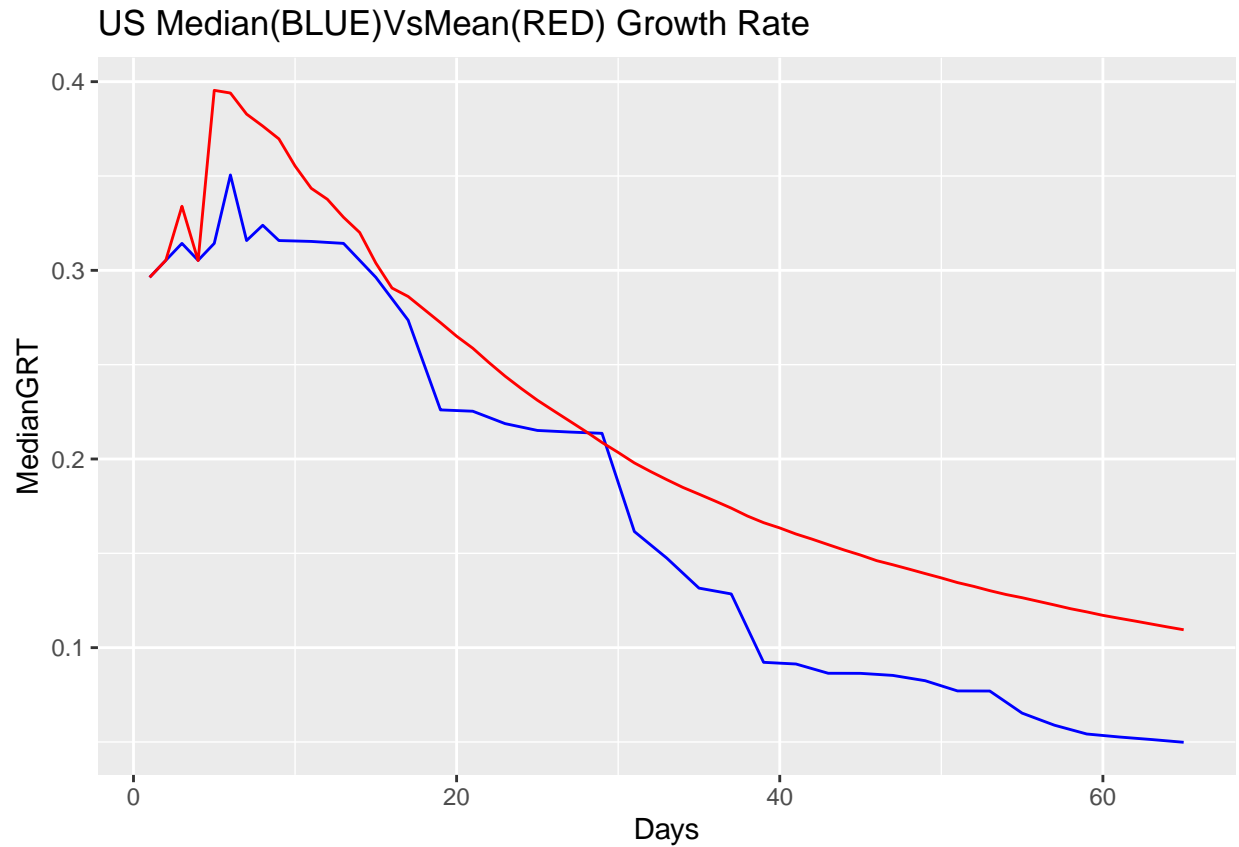
Doubling Rate vs Growth Rate







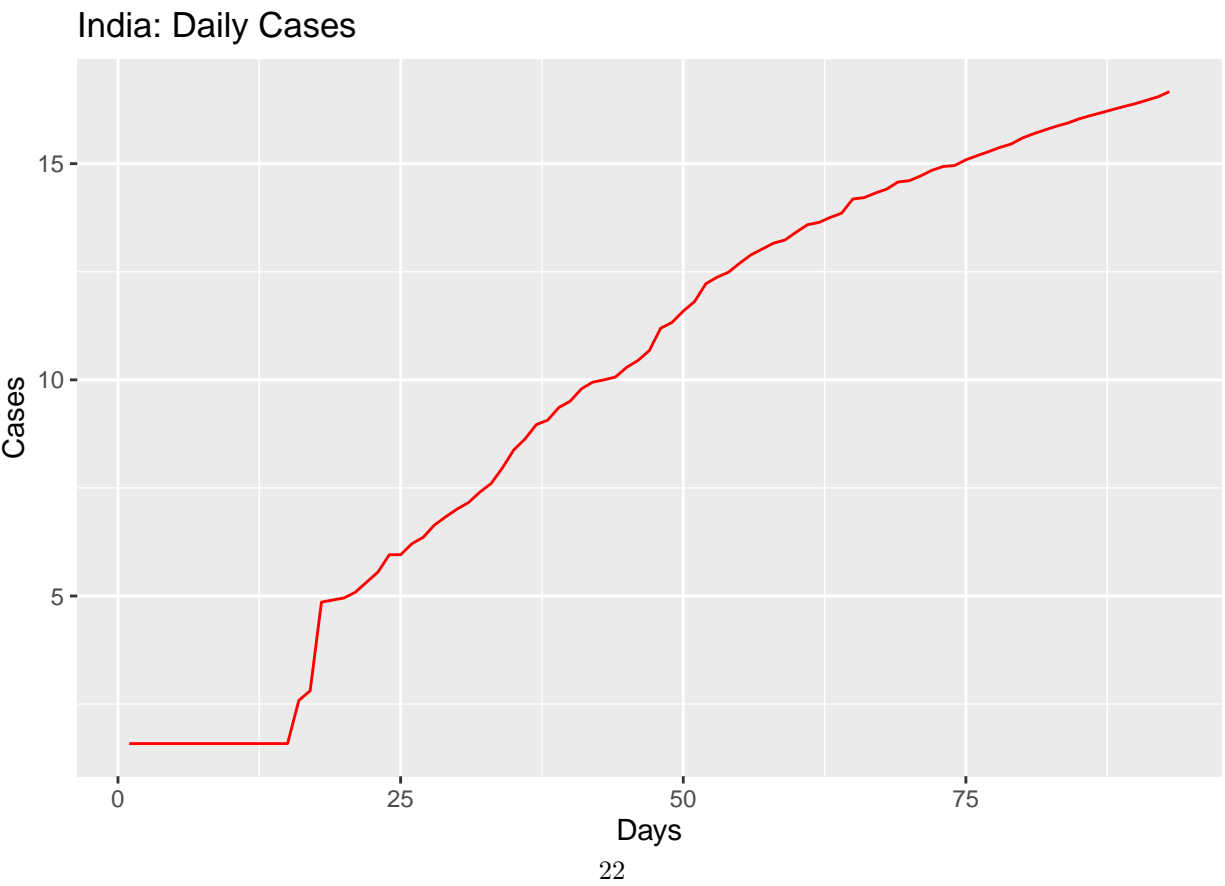
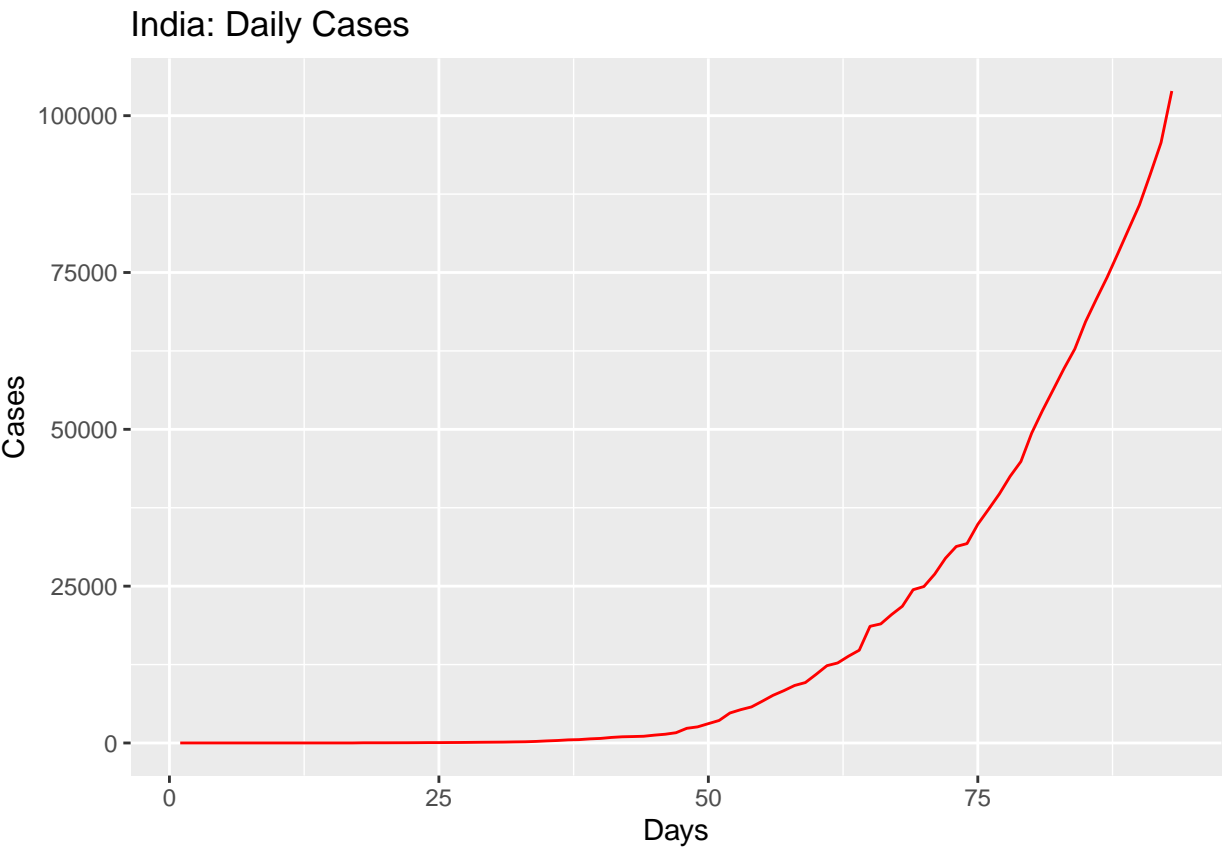




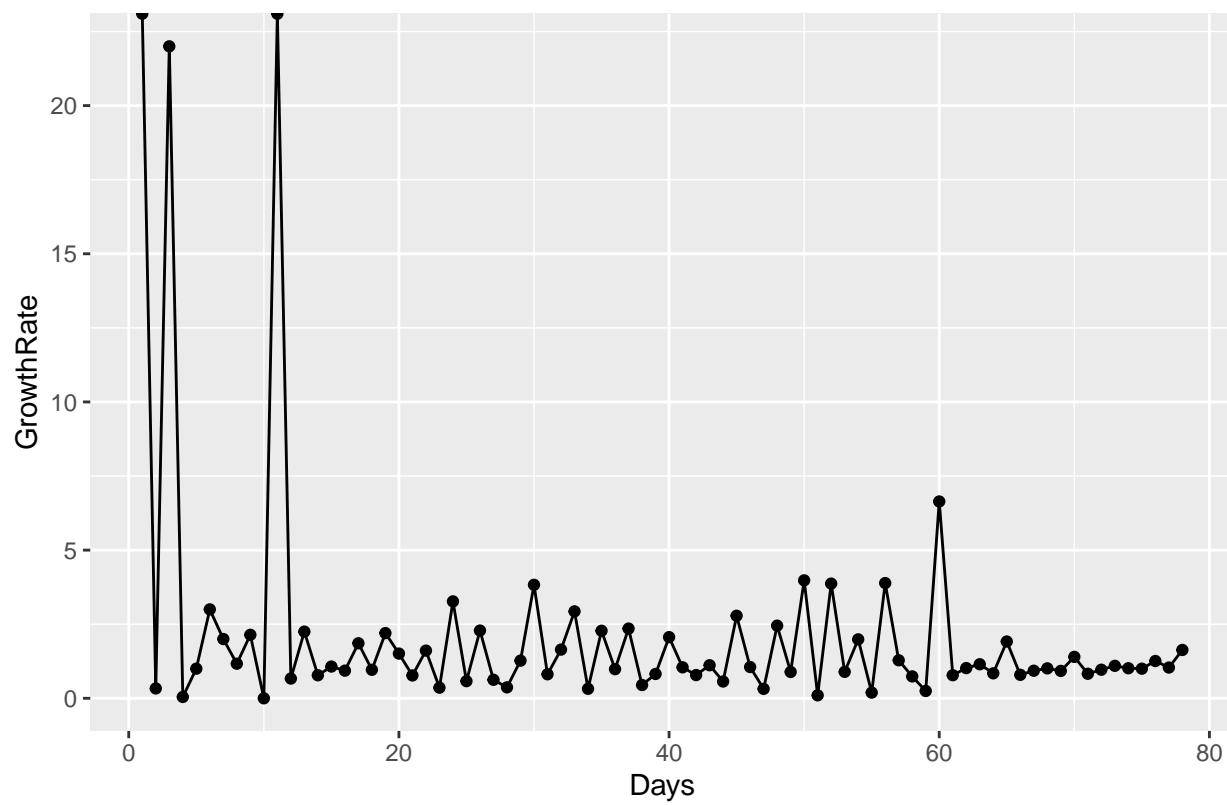
Results:

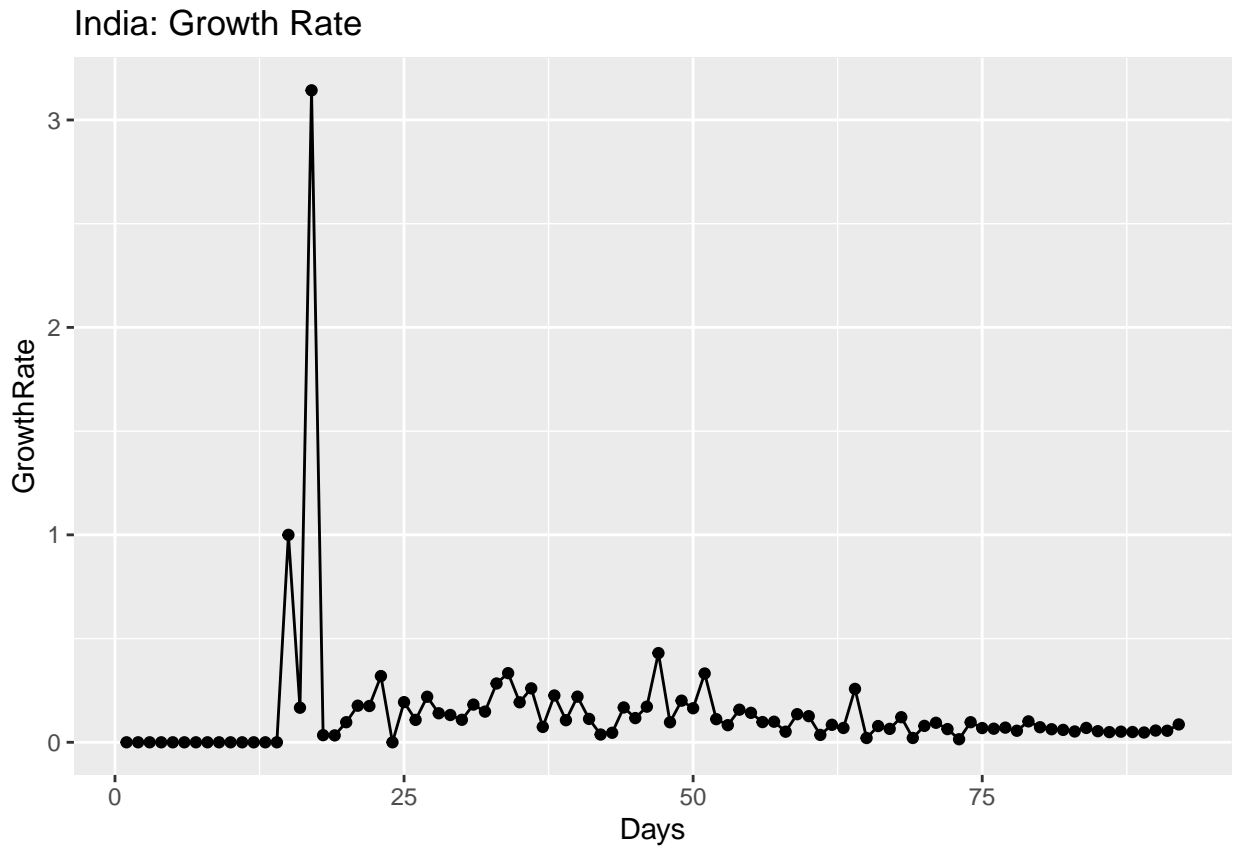
- Tomorrow's predicted case number is between 1.5732592×10^6 and 1.7200345×10^6 cases.
- Current doubling rate is **47 days**
- Mean doubling rate, i.e number of cases doubles every **6 days**.
- Median doubling rate, i.e number of cases doubles every **14 days**.
- Latest Observed Growth Rate **1.4813467** percent.
- Mean Growth Rate: **10.9489255** percent.
- Median Growth Rate: **4.9830199** percent.
- Standard deviation: +/- **13.3400371**.

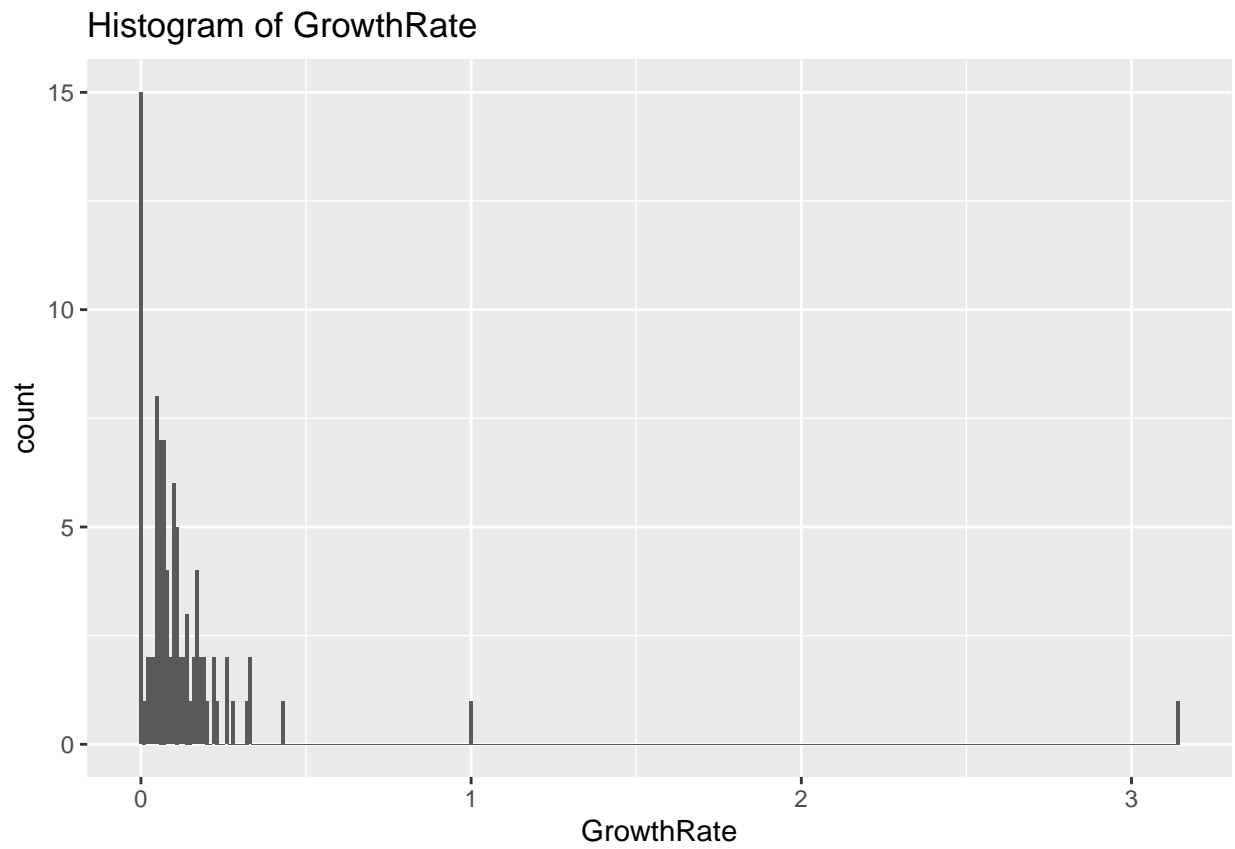
India Corona Dashboard

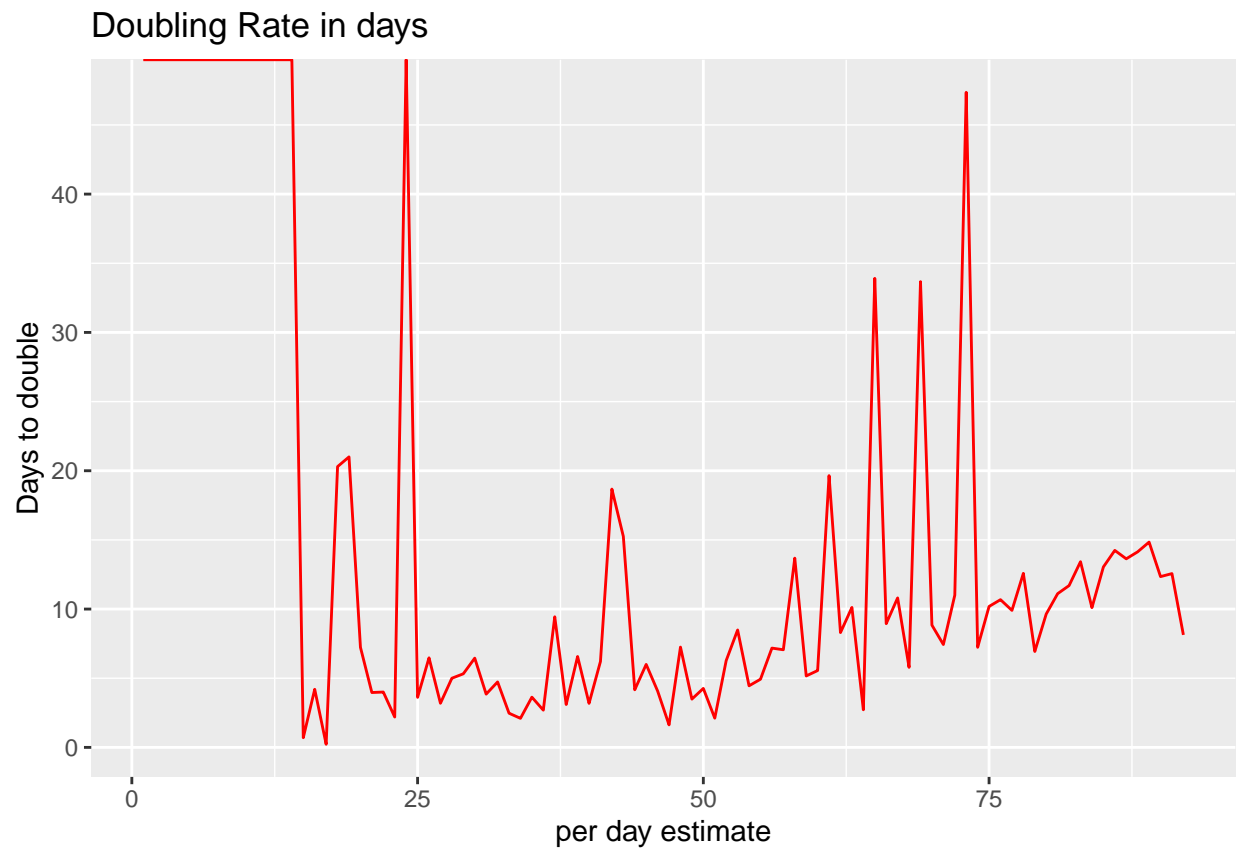


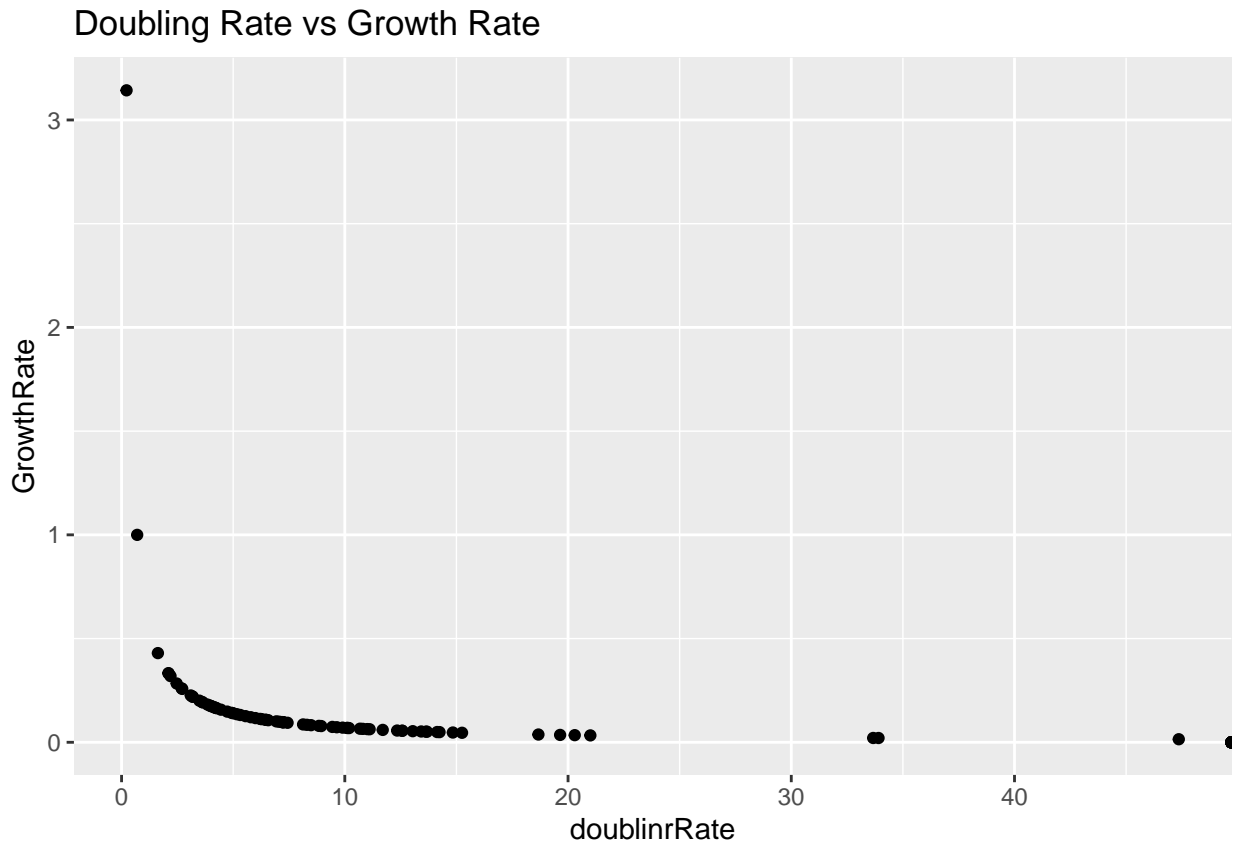
US: Rate of change in Growth Rate

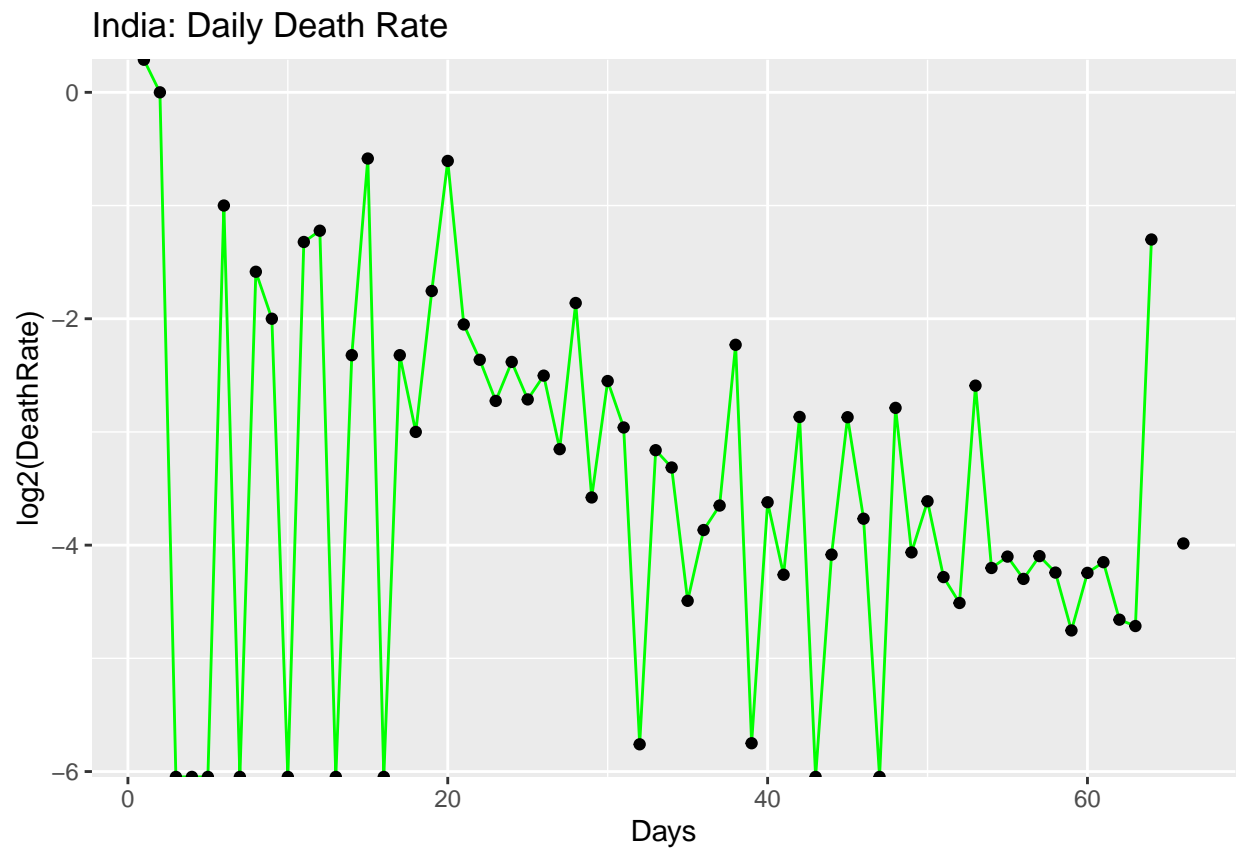




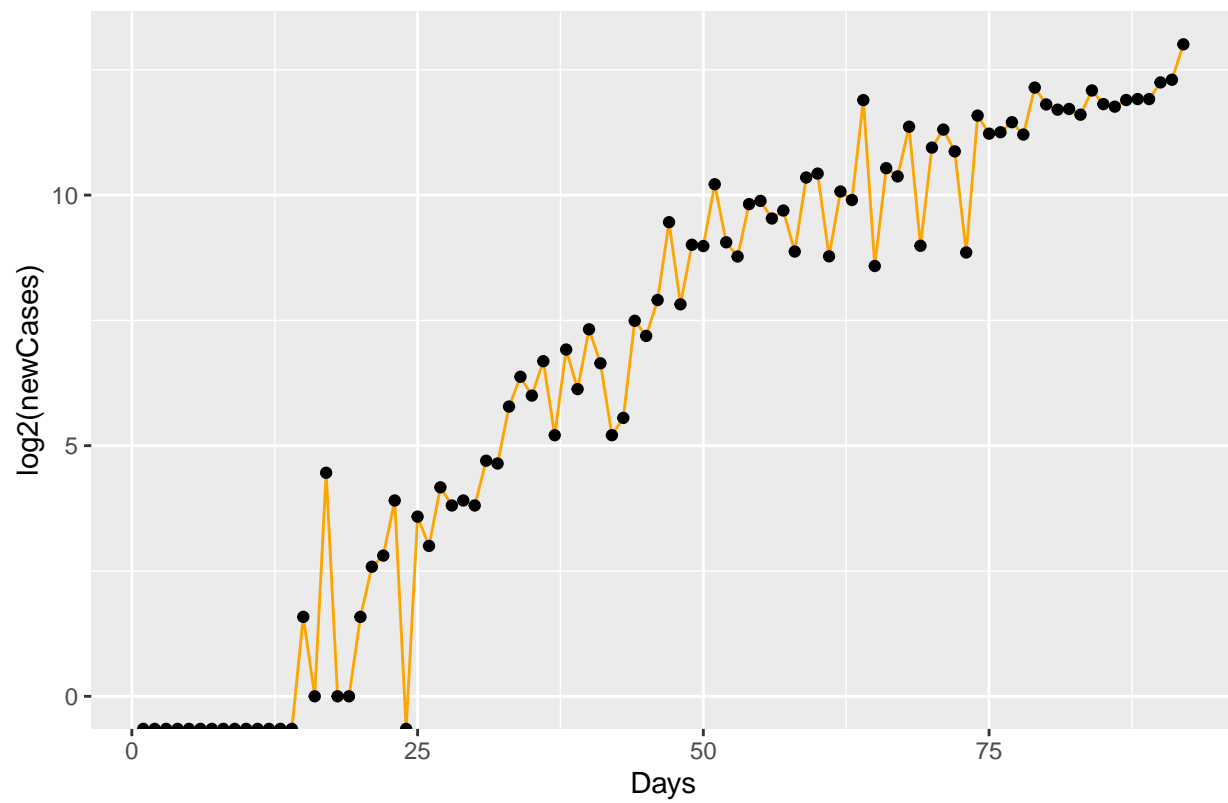




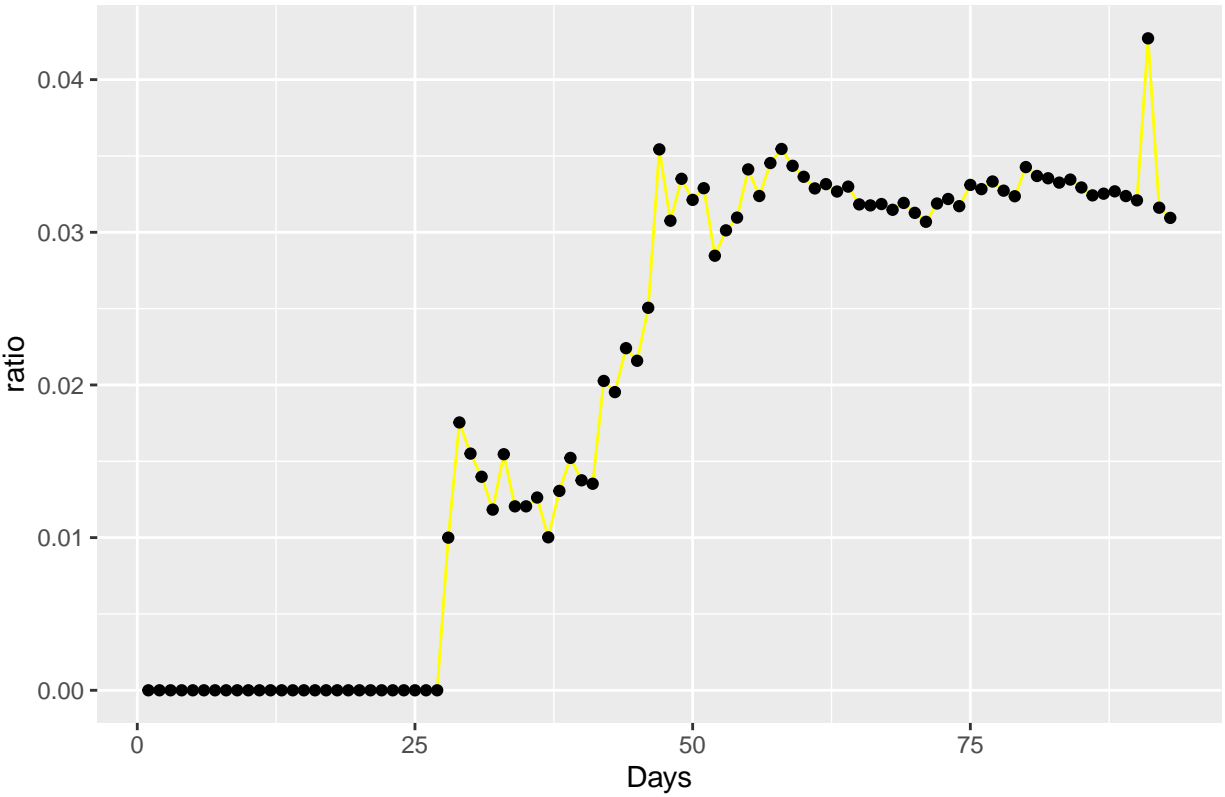


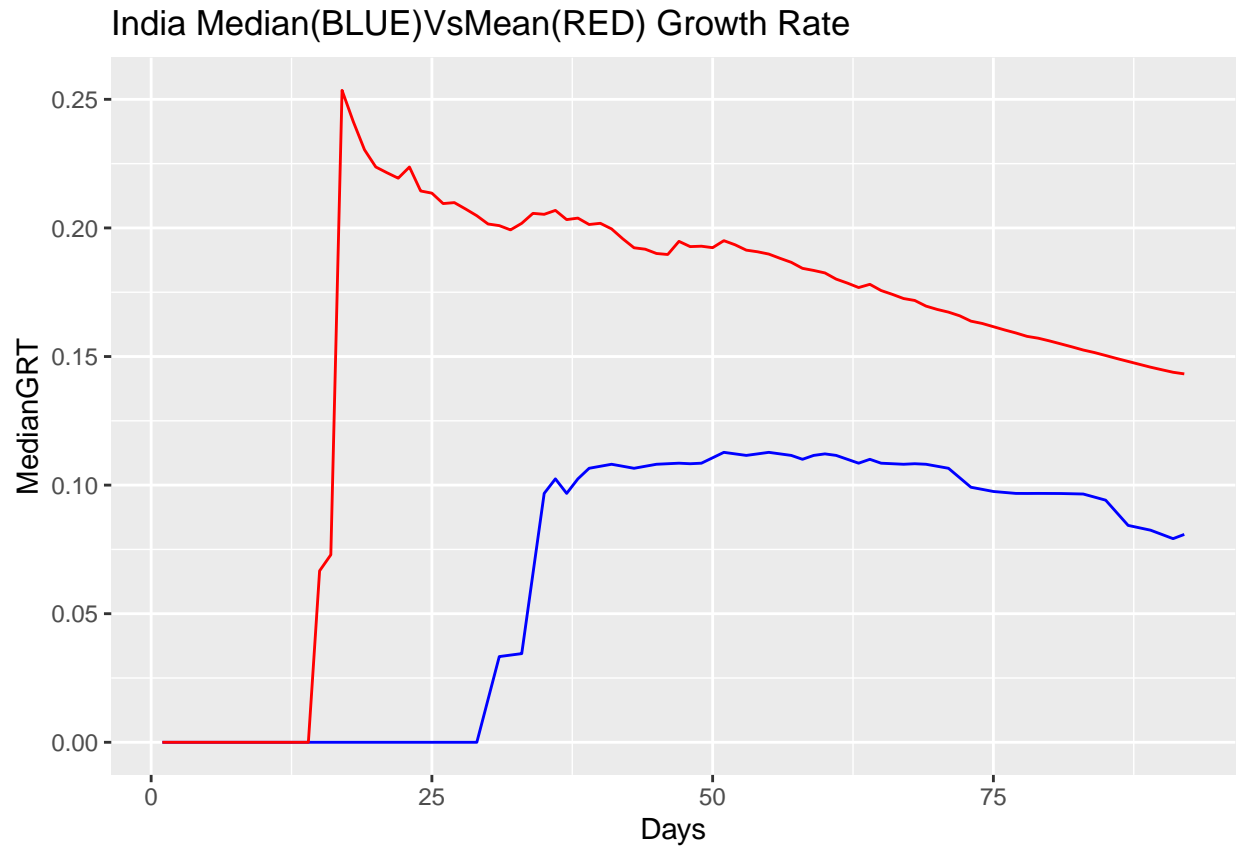


India:newCases(Orange)



India: TotalDeaths/TotalCases





Results:

- Tomorrow's predicted case number is between 1.1288098×10^5 and 1.1882345×10^5 cases.
- Current doubling rate is **8 days**
- Mean doubling rate, i.e number of cases doubles every **5 days**.
- Median doubling rate, i.e number of cases doubles every **9 days**.
- Latest Observed Growth Rate **8.6072854** percent.
- Mean Growth Rate: **14.3247732** percent.
- Median Growth Rate: **8.0827025** percent.
- Standard deviation: +/- **34.1196465**.