

```
install.packages("covid19.analytics")
```

```
library(covid19.analytics)
```

```
ag<-covid19.data(case='aggregated')
```

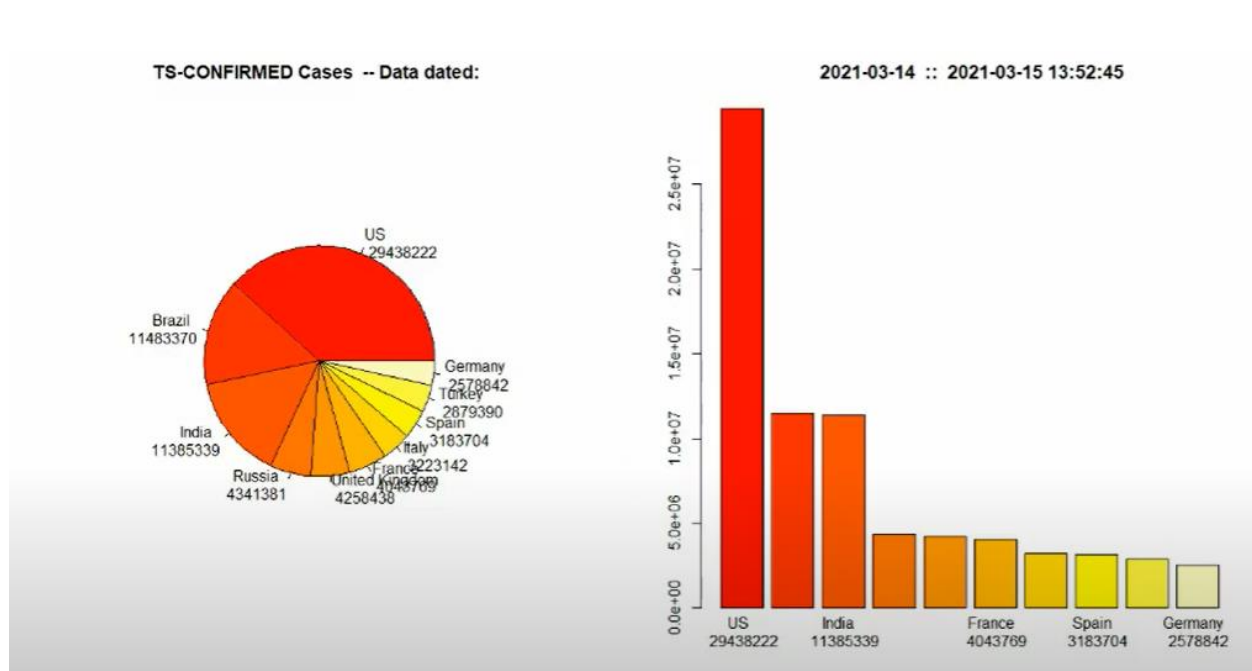
Country_Region	Last_Update	Lat	Long_	Confirmed	Deaths	Re
Afghanistan	2021-02-02 05:22:49	33.93911	67.70995	55059	2404	
Albania	2021-02-02 05:22:49	41.15330	20.16830	78992	1393	
Algeria	2021-02-02 05:22:49	28.03390	1.65960	107578	2894	
Andorra	2021-02-02 05:22:49	42.50630	1.52180	9972	101	

Showing 1 to 4 of 3,979 entries, 14 total columns

```
tsc<-covid19.data(case='ts-confirmed')
```

```
report.summary(~entries-10, graphical.output = F)
```

Country_Region	Last_Update	Lat	Long_	Confirmed	Deaths	Recovered
Afghanistan	2021-02-02 05:22:49	33.93911	67.70995	55059	2404	
Albania	2021-02-02 05:22:49	41.15330	20.16830	78992	1393	
Algeria	2021-02-02 05:22:49	28.03390	1.65960	107578	2894	
Andorra	2021-02-02 05:22:49	42.50630	1.52180	9972	101	
Angola	2021-02-02 05:22:49	-11.20270	17.87390	19829	466	
Antigua and Barbuda	2021-02-02 05:22:49	17.06080	-61.79640	234	7	
Argentina	2021-02-02 05:22:49	-38.41610	-63.61670	1933853	48249	
Armenia	2021-02-02 05:22:49	40.06910	45.03820	167088	3084	
Australia	2021-02-02 05:22:49	-35.47350	149.01240	118	3	
Australia	2021-02-02 05:22:49	-33.86880	151.20930	5112	54	
Australia	2021-02-02 05:22:49	-12.46340	130.84560	98	0	
Australia	2021-02-02 05:22:49	-27.46980	153.02510	1311	6	



tots.per.location(tsc,geo.loc = 'india')

```
In par(oldpar) : calling par(new=TRUE) with no plot
```

```
> tots.per.location(tsc,geo.loc = 'india')
```

```
INDIA -- 34666241
```

```
===== running models...=====
```

```
Linear Regression (lm):
```

```
call:
```

```
lm(formula = y.var ~ x.var)
```

```
Residuals:
```

	Min	1Q	Median	3Q	Max
	-7314394	-2614119	-368257	3593947	7649208

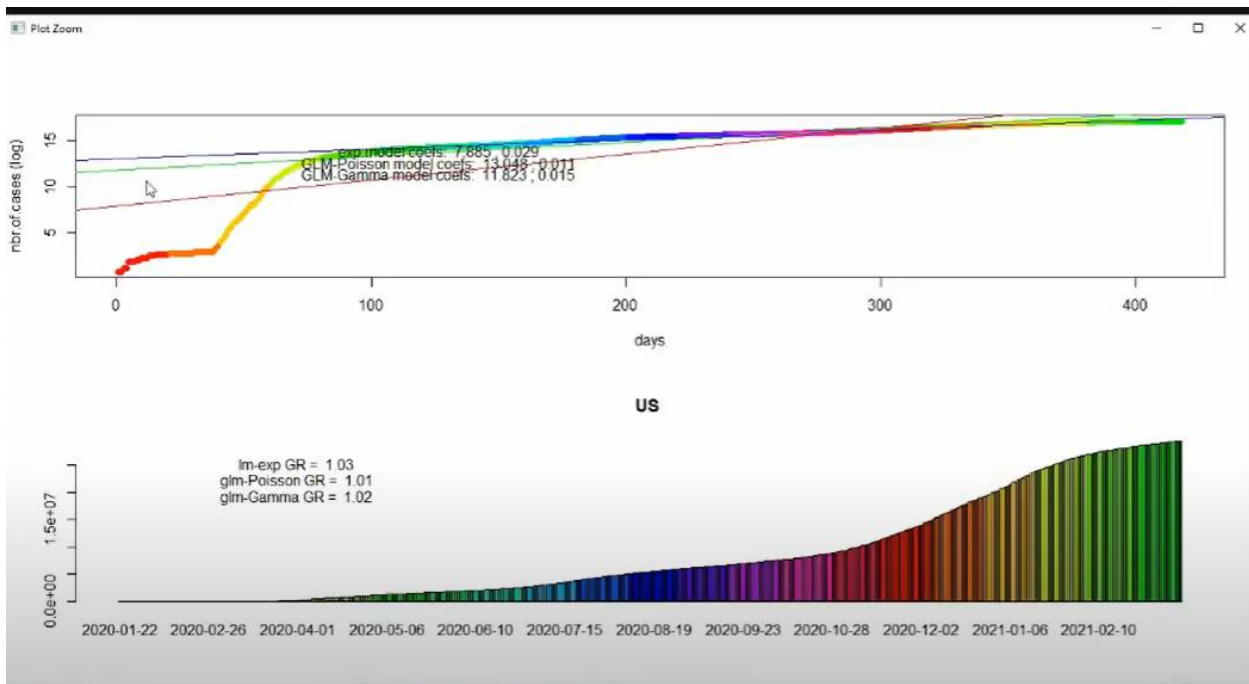
```
Coefficients:
```

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	-7711824.1	298049.1	-25.87	<2e-16 ***
x.var	62616.5	750.6	83.42	<2e-16 ***

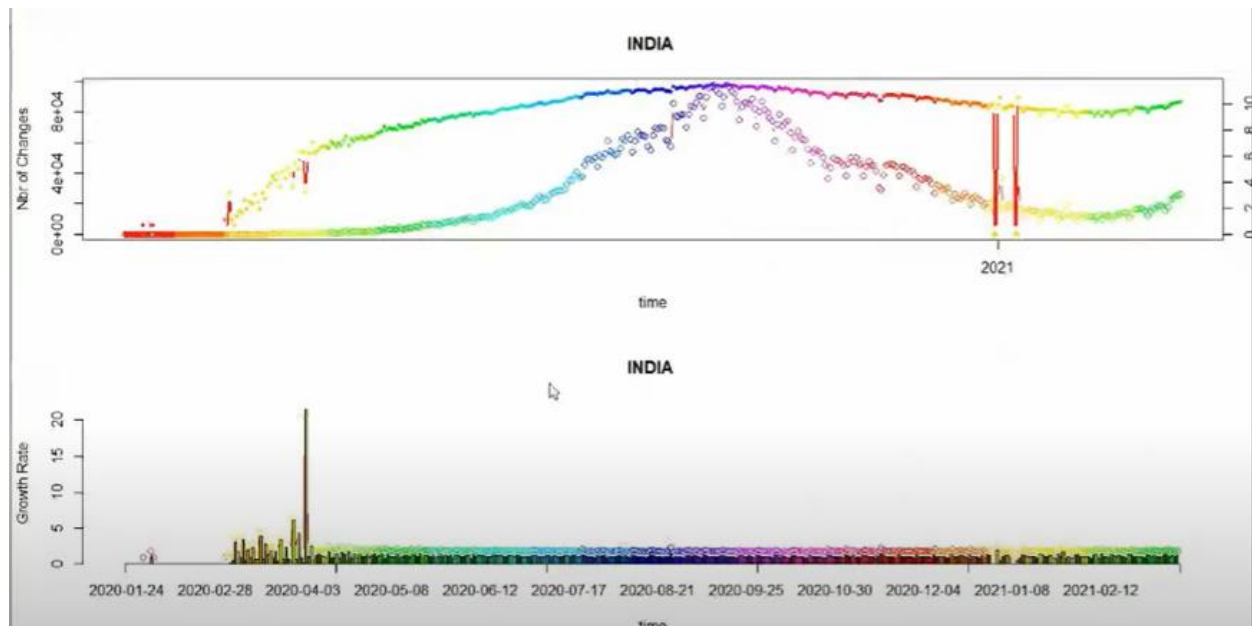
```
---
```

```
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
Residual standard error: 3902000 on 685 dearees of freedom
```



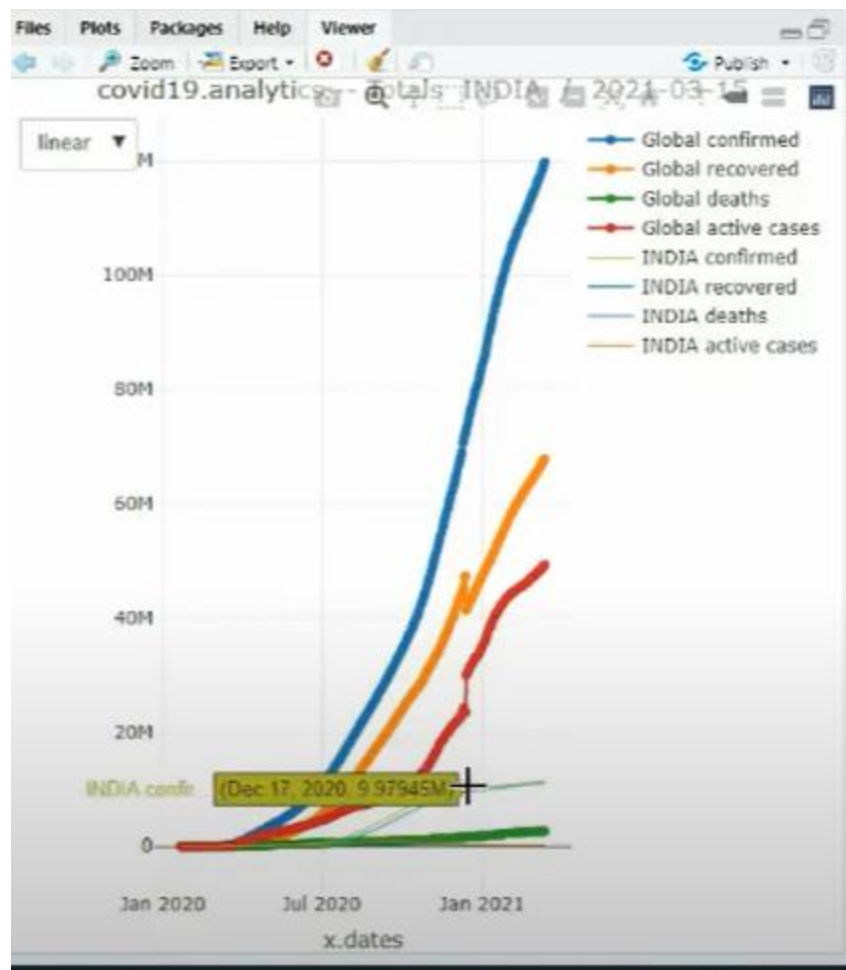
```
growth.rate(tsc,geo.loc = 'india')
```

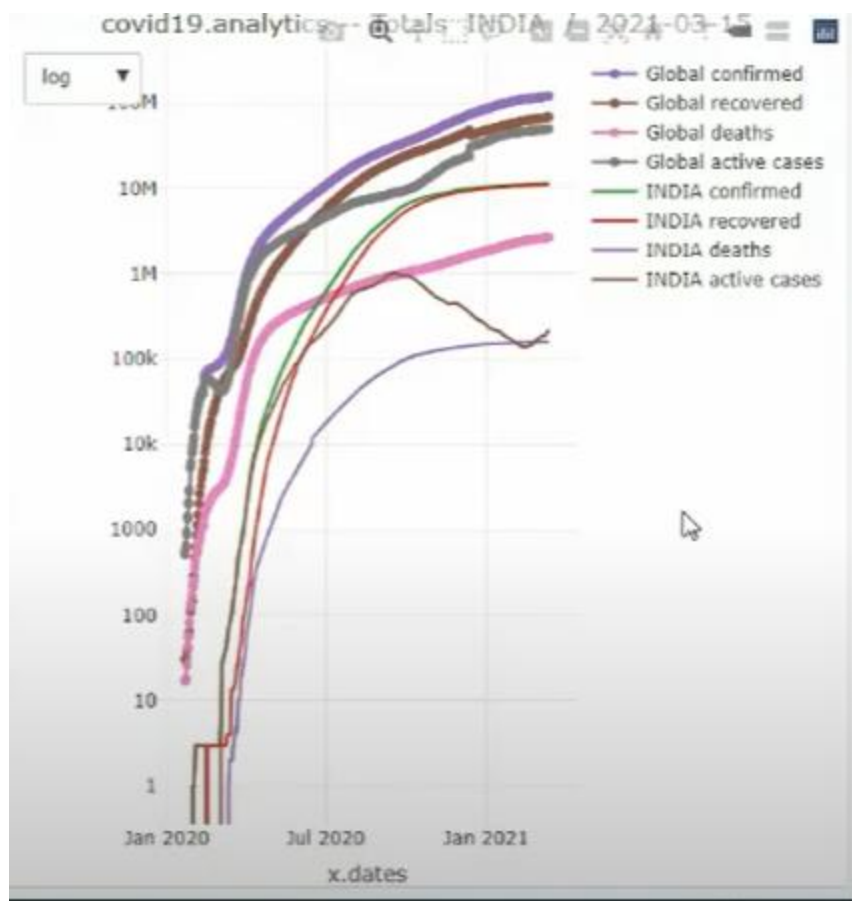


```
tsc<-covid19.data(case='ts-All')
```

Country.Region	Lat	Long	2020-01-22	2020-01-23	2020-01-24	2020-01-25	2020-01-26
Afghanistan	33.93911	67.709953	0	0	0	0	0
Albania	41.15330	20.168300	0	0	0	0	0
Algeria	28.03390	1.659600	0	0	0	0	0
Andorra	42.50630	1.521800	0	0	0	0	0
Angola	-11.20270	17.873900	0	0	0	0	0
Antigua and Barbuda	17.06080	-61.796400	0	0	0	0	0
Argentina	-38.41610	-63.616700	0	0	0	0	0
Armenia	40.06910	45.038200	0	0	0	0	0
Australia	-35.47350	149.012400	0	0	0	0	0
Australia	-33.86880	151.209300	0	0	0	0	3
Australia	-12.46340	130.845600	0	0	0	0	0

```
totals.plt(tsa)
```



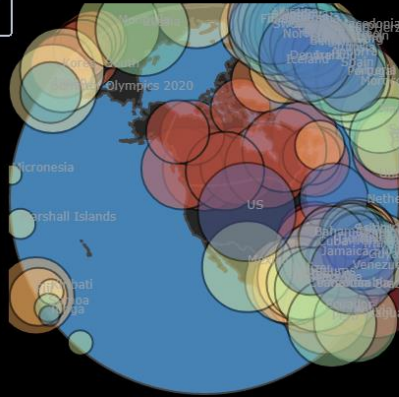


live.map(tsa)

covid19 - cases up to 2021-12-08



mercator ▼



- Afghanistan
- Albania
- Algeria
- Andorra
- Angola
- Antigua and Barbuda
- Argentina
- Armenia
- Australia
- Austria
- Azerbaijan
- Bahamas
- Bahrain
- Bangladesh
- Barbados
- Belarus
- Belgium
- Belize
- Benin
- Bhutan