

In [0]:

```
library(tidyverse)
if (!require(devtools)) {
  install.packages('devtools')
}
devtools::install_github('erocoar/gghalves')
library(gghalves)
```

— Attaching packages — tidyverse 1.3.0 —

```
✓ ggplot2 3.3.1    ✓ purrr 0.3.4
✓ tibble 3.0.1     ✓ dplyr 1.0.0
✓ tidyr 1.1.0      ✓ stringr 1.4.0
✓ readr 1.3.1      ✓ forcats 0.5.0
```

— Conflicts — tidyverse_conflicts() —

```
✖ dplyr::filter() masks stats::filter()
✖ dplyr::lag()     masks stats::lag()
```

Loading required package: devtools

Loading required package: usethis

Skipping install of 'gghalves' from a github remote, the SHA1 (ab17fa44) has not changed since last install.

Use `force = TRUE` to force installation

In [0]:

```
na_full = read.csv("./full_table.csv")
attach(na_full)
```

The following objects are masked from na_full (pos = 6):

Banned.visits.to.long.term.care.homes, cases_APR_to_MAY,
cases_MAR_to_APR, Closed.cannabis.and.liquor.stores,
Closed.daycares, Closed.gyms, Closed.movie.theaters,
Closed.non.essential.businesses,
Closed.restaurants.except.take.out, Declared.state.of.emergency,
Employee.Face.Mask.Mandate, Employee.Screening, Froze.evictions,
Large.Gathering.ban, MoM.Growth, Ordered.Closure.of.K.12.schools,
Ordered.freezing.utility.shut.off, percentage_infected_MAY,
Public.Face.Mask.Mandate, State.Province, Travel.Restriction,
YoY.Growth

The following objects are masked from na_full (pos = 7):

Banned.visits.to.long.term.care.homes, cases_APR_to_MAY,
cases_MAR_to_APR, Closed.cannabis.and.liquor.stores,
Closed.daycares, Closed.gyms, Closed.movie.theaters,
Closed.non.essential.businesses,
Closed.restaurants.except.take.out, Declared.state.of.emergency,
Employee.Face.Mask.Mandate, Employee.Screening, Froze.evictions,
Large.Gathering.ban, MoM.Growth, Ordered.Closure.of.K.12.schools,
Ordered.freezing.utility.shut.off, percentage_infected_MAY,
Public.Face.Mask.Mandate, State.Province, Travel.Restriction,
YoY.Growth

The following objects are masked from na_full (pos = 8):

Banned.visits.to.long.term.care.homes, cases_APR_to_MAY,

```
cases_MAR_to_APR, Closed.cannabis.and.liquor.stores,
Closed.daycares, Closed.gyms, Closed.movie.theaters,
Closed.non.essential.businesses,
Closed.restaurants.except.take.out, Declared.state.of.emergency,
Employee.Face.Mask.Mandate, Employee.Screening, Froze.evictions,
Large.Gathering.ban, MoM.Growth, Ordered.Closure.of.K.12.schools,
Ordered.freezing.utility.shut.off, percentage_infected_MAY,
Public.Face.Mask.Mandate, State.Province, Travel.Restriction,
YoY.Growth
```

In [0]:

```
head(na_full)
```

A data.frame: 6 × 22

	State.Province	cases_MAR_to_APR	cases_APR_to_MAY	percentage_infected_MAY	YoY.Growth	MoM.Growth	Declared.state.of
	<fct>	<dbl>	<dbl>	<dbl>	<dbl>	<dbl>	
1	Alabama	18339.130	168.16788	2.3195127	298.6612	323.53740	
2	Alaska	29000.000	33.33333	0.5303843	104.5563	142.48127	
3	Arizona	30376.923	232.38263	1.8092474	162.8740	103.26670	
4	Arkansas	9893.750	179.11194	1.4788899	178.0737	92.12081	
5	California	5570.921	184.11480	1.9491437	257.7773	174.22880	
6	Colorado	5988.235	156.12319	3.6825790	283.0833	112.05777	

In [0]:

```
Y <- MoM.Growth
X <- Closed.cannabis.and.liquor.stores
```

```
na_full %>%
  ggplot(aes(x = X, y = Y, group = X)) +
    geom_half_dotplot(fill = "lightblue3") +
    geom_half_boxplot(side="l", fill = "lightblue3") +
    ggtitle("MoM.Growth vs. Closed.cannabis.and.liquor.stores")
```

```
summary(lm(Y ~ X))
```

`stat_bindot()` using `bins = 30`. Pick better value with `binwidth`.

Call:

```
lm(formula = Y ~ X)
```

Residuals:

```
      Min       1Q   Median       3Q      Max
-219.63  -83.64  -26.56   74.03  543.54
```

Coefficients:

```
              Estimate Std. Error t value Pr(>|t|)
(Intercept)    92.59      49.72    1.862   0.0679 .
X             140.55      53.09    2.647   0.0106 *
```

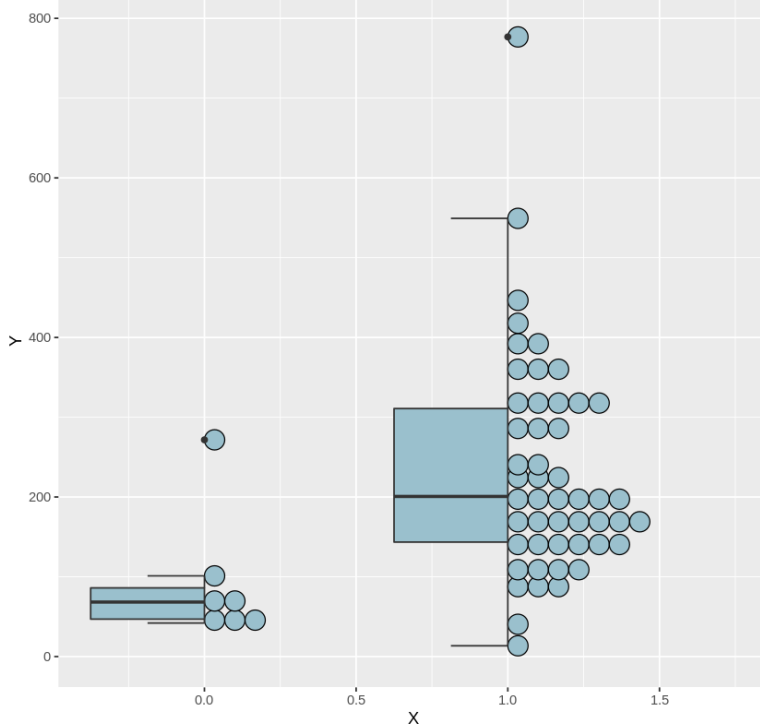
```
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

Residual standard error: 131.6 on 55 degrees of freedom

Multiple R-squared: 0.113, Adjusted R-squared: 0.0969

F-statistic: 7.009 on 1 and 55 DF, p-value: 0.01056

MoM.Growth vs. Closed.cannabis.and.liquor.stores



In [0]:

```
jpeg("cases_MAR_to_APR vs. Declared.state.of.emergency.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Declared.state.of.emergency, y = cases_MAR_to_APR, group = Declared.state.o
f.emergency)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("cases_MAR_to_APR vs. Declared.state.of.emergency")
dev.off()
jpeg("cases_MAR_to_APR vs. Ordered.Closure.of.K.12.schools.jpeg", width = 1000, height = 100
0)
na_full %>%
  ggplot(aes(x = Ordered.Closure.of.K.12.schools, y = cases_MAR_to_APR, group = Ordered.Clos
ure.of.K.12.schools)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("cases_MAR_to_APR vs. Ordered.Closure.of.K.12.schools")
dev.off()
jpeg("cases_MAR_to_APR vs. Closed.daycares.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Closed.daycares, y = cases_MAR_to_APR, group = Closed.daycares)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("cases_MAR_to_APR vs. Closed.daycares")
dev.off()
jpeg("cases_MAR_to_APR vs. Banned.visits.to.long.term.care.homes.jpeg", width = 1000, height
= 1000)
na_full %>%
  ggplot(aes(x = Banned.visits.to.long.term.care.homes, y = cases_MAR_to_APR, group = Banned
.visits.to.long.term.care.homes)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("cases_MAR_to_APR vs. Banned.visits.to.long.term.care.homes")
dev.off()
jpeg("cases_MAR_to_APR vs. Closed.non.essential.businesses.jpeg", width = 1000, height = 100
0)
na_full %>%
  ggplot(aes(x = Closed.non.essential.businesses, y = cases_MAR_to_APR, group = Closed.non.e
ssential.businesses)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
```

```

  ggtitle("cases_MAR_to_APR vs. Closed.non.essential.businesses")
dev.off()
jpeg("cases_MAR_to_APR vs. Closed.restaurants.except.take.out.jpeg", width = 1000, height =
1000)
na_full %>%
  ggplot(aes(x = Closed.restaurants.except.take.out, y = cases_MAR_to_APR, group = Closed.re
staaurants.except.take.out)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("cases_MAR_to_APR vs. Closed.restaurants.except.take.out")
dev.off()
jpeg("cases_MAR_to_APR vs. Closed.cannabis.and.liquor.stores.jpeg", width = 1000, height =
1000)
na_full %>%
  ggplot(aes(x = Closed.cannabis.and.liquor.stores, y = cases_MAR_to_APR, group = Closed.can
nabis.and.liquor.stores)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("cases_MAR_to_APR vs. Closed.cannabis.and.liquor.stores")
dev.off()
jpeg("cases_MAR_to_APR vs. Closed.gyms.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Closed.gyms, y = cases_MAR_to_APR, group = Closed.gyms)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("cases_MAR_to_APR vs. Closed.gyms")
dev.off()
jpeg("cases_MAR_to_APR vs. Closed.movie.theaters.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Closed.movie.theaters, y = cases_MAR_to_APR, group = Closed.movie.theaters)
) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("cases_MAR_to_APR vs. Closed.movie.theaters")
dev.off()
jpeg("cases_MAR_to_APR vs. Froze.evictions.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Froze.evictions, y = cases_MAR_to_APR, group = Froze.evictions)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("cases_MAR_to_APR vs. Froze.evictions")
dev.off()
jpeg("cases_MAR_to_APR vs. Ordered.freezing.utility.shut.off.s.jpeg", width = 1000, height =
1000)
na_full %>%
  ggplot(aes(x = Ordered.freezing.utility.shut.off.s, y = cases_MAR_to_APR, group = Ordered.f
reezing.utility.shut.off.s)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("cases_MAR_to_APR vs. Ordered.freezing.utility.shut.off.s")
dev.off()
jpeg("cases_MAR_to_APR vs. Public.Face.Mask.Mandate.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Public.Face.Mask.Mandate, y = cases_MAR_to_APR, group = Public.Face.Mask.Ma
ndate)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("cases_MAR_to_APR vs. Public.Face.Mask.Mandate")
dev.off()
jpeg("cases_MAR_to_APR vs. Employee.Face.Mask.Mandate.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Employee.Face.Mask.Mandate, y = cases_MAR_to_APR, group = Employee.Face.Mas
k.Mandate)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("cases_MAR_to_APR vs. Employee.Face.Mask.Mandate")
dev.off()

```

```

jpeg("cases_MAR_to_APR vs. Travel.Restriction.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Travel.Restriction, y = cases_MAR_to_APR, group = Travel.Restriction)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("cases_MAR_to_APR vs. Travel.Restriction")
dev.off()
jpeg("cases_MAR_to_APR vs. Large.Gathering.ban.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Large.Gathering.ban, y = cases_MAR_to_APR, group = Large.Gathering.ban)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("cases_MAR_to_APR vs. Large.Gathering.ban")
dev.off()
jpeg("cases_MAR_to_APR vs. Employee.Screening.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Employee.Screening, y = cases_MAR_to_APR, group = Employee.Screening)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("cases_MAR_to_APR vs. Employee.Screening")
dev.off()
jpeg("cases_APR_to_MAY vs. Declared.state.of.emergency.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Declared.state.of.emergency, y = cases_APR_to_MAY, group = Declared.state.o
f.emergency)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("cases_APR_to_MAY vs. Declared.state.of.emergency")
dev.off()
jpeg("cases_APR_to_MAY vs. Ordered.Closure.of.K.12.schools.jpeg", width = 1000, height = 100
0)
na_full %>%
  ggplot(aes(x = Ordered.Closure.of.K.12.schools, y = cases_APR_to_MAY, group = Ordered.Clos
ure.of.K.12.schools)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("cases_APR_to_MAY vs. Ordered.Closure.of.K.12.schools")
dev.off()
jpeg("cases_APR_to_MAY vs. Closed.daycares.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Closed.daycares, y = cases_APR_to_MAY, group = Closed.daycares)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("cases_APR_to_MAY vs. Closed.daycares")
dev.off()
jpeg("cases_APR_to_MAY vs. Banned.visits.to.long.term.care.homes.jpeg", width = 1000, height
= 1000)
na_full %>%
  ggplot(aes(x = Banned.visits.to.long.term.care.homes, y = cases_APR_to_MAY, group = Banned
.visits.to.long.term.care.homes)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("cases_APR_to_MAY vs. Banned.visits.to.long.term.care.homes")
dev.off()
jpeg("cases_APR_to_MAY vs. Closed.non.essential.businesses.jpeg", width = 1000, height = 100
0)
na_full %>%
  ggplot(aes(x = Closed.non.essential.businesses, y = cases_APR_to_MAY, group = Closed.non.e
ssential.businesses)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("cases_APR_to_MAY vs. Closed.non.essential.businesses")
dev.off()
jpeg("cases_APR_to_MAY vs. Closed.restaurants.except.take.out.jpeg", width = 1000, height =
1000)
na_full %>%
  ggplot(aes(x = Closed.restaurants.except.take.out, y = cases_APR_to_MAY, group = Closed.re

```

```

restaurants.except.take.out)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("cases_APR_to_MAY vs. Closed.restaurants.except.take.out")
dev.off()
jpeg("cases_APR_to_MAY vs. Closed.cannabis.and.liquor.stores.jpeg", width = 1000, height =
1000)
na_full %>%
  ggplot(aes(x = Closed.cannabis.and.liquor.stores, y = cases_APR_to_MAY, group = Closed.can
nabis.and.liquor.stores)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("cases_APR_to_MAY vs. Closed.cannabis.and.liquor.stores")
dev.off()
jpeg("cases_APR_to_MAY vs. Closed.gyms.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Closed.gyms, y = cases_APR_to_MAY, group = Closed.gyms)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("cases_APR_to_MAY vs. Closed.gyms")
dev.off()
jpeg("cases_APR_to_MAY vs. Closed.movie.theaters.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Closed.movie.theaters, y = cases_APR_to_MAY, group = Closed.movie.theaters)
) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("cases_APR_to_MAY vs. Closed.movie.theaters")
dev.off()
jpeg("cases_APR_to_MAY vs. Froze.evictions.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Froze.evictions, y = cases_APR_to_MAY, group = Froze.evictions)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("cases_APR_to_MAY vs. Froze.evictions")
dev.off()
jpeg("cases_APR_to_MAY vs. Ordered.freezing.utility.shut.off.s.jpeg", width = 1000, height =
1000)
na_full %>%
  ggplot(aes(x = Ordered.freezing.utility.shut.off.s, y = cases_APR_to_MAY, group = Ordered.f
reezing.utility.shut.off.s)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("cases_APR_to_MAY vs. Ordered.freezing.utility.shut.off.s")
dev.off()
jpeg("cases_APR_to_MAY vs. Public.Face.Mask.Mandate.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Public.Face.Mask.Mandate, y = cases_APR_to_MAY, group = Public.Face.Mask.Ma
ndate)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("cases_APR_to_MAY vs. Public.Face.Mask.Mandate")
dev.off()
jpeg("cases_APR_to_MAY vs. Employee.Face.Mask.Mandate.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Employee.Face.Mask.Mandate, y = cases_APR_to_MAY, group = Employee.Face.Mas
k.Mandate)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("cases_APR_to_MAY vs. Employee.Face.Mask.Mandate")
dev.off()
jpeg("cases_APR_to_MAY vs. Travel.Restriction.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Travel.Restriction, y = cases_APR_to_MAY, group = Travel.Restriction)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("cases_APR_to_MAY vs. Travel.Restriction")

```

```

dev.off()
jpeg("cases_APR_to_MAY vs. Large.Gathering.ban.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Large.Gathering.ban, y = cases_APR_to_MAY, group = Large.Gathering.ban)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("cases_APR_to_MAY vs. Large.Gathering.ban")
dev.off()
jpeg("cases_APR_to_MAY vs. Employee.Screening.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Employee.Screening, y = cases_APR_to_MAY, group = Employee.Screening)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("cases_APR_to_MAY vs. Employee.Screening")
dev.off()
jpeg("percentage_infected_MAY vs. Declared.state.of.emergency.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Declared.state.of.emergency, y = percentage_infected_MAY, group = Declared.state.of.emergency)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("percentage_infected_MAY vs. Declared.state.of.emergency")
dev.off()
jpeg("percentage_infected_MAY vs. Ordered.Closure.of.K.12.schools.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Ordered.Closure.of.K.12.schools, y = percentage_infected_MAY, group = Ordered.Closure.of.K.12.schools)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("percentage_infected_MAY vs. Ordered.Closure.of.K.12.schools")
dev.off()
jpeg("percentage_infected_MAY vs. Closed.daycares.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Closed.daycares, y = percentage_infected_MAY, group = Closed.daycares)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("percentage_infected_MAY vs. Closed.daycares")
dev.off()
jpeg("percentage_infected_MAY vs. Banned.visits.to.long.term.care.homes.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Banned.visits.to.long.term.care.homes, y = percentage_infected_MAY, group = Banned.visits.to.long.term.care.homes)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("percentage_infected_MAY vs. Banned.visits.to.long.term.care.homes")
dev.off()
jpeg("percentage_infected_MAY vs. Closed.non.essential.businesses.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Closed.non.essential.businesses, y = percentage_infected_MAY, group = Closed.non.essential.businesses)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("percentage_infected_MAY vs. Closed.non.essential.businesses")
dev.off()
jpeg("percentage_infected_MAY vs. Closed.restaurants.except.take.out.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Closed.restaurants.except.take.out, y = percentage_infected_MAY, group = Closed.restaurants.except.take.out)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("percentage_infected_MAY vs. Closed.restaurants.except.take.out")
dev.off()

```



```

jpeg("percentage_infected_MAY vs. Closed.cannabis.and.liquor.stores.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Closed.cannabis.and.liquor.stores, y = percentage_infected_MAY, group = Closed.cannabis.and.liquor.stores)) +
    geom_half_dotplot(fill = "lightblue3") +
    geom_half_boxplot(side="l", fill = "lightblue3") +
    ggtitle("percentage_infected_MAY vs. Closed.cannabis.and.liquor.stores")
dev.off()
jpeg("percentage_infected_MAY vs. Closed.gyms.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Closed.gyms, y = percentage_infected_MAY, group = Closed.gyms)) +
    geom_half_dotplot(fill = "lightblue3") +
    geom_half_boxplot(side="l", fill = "lightblue3") +
    ggtitle("percentage_infected_MAY vs. Closed.gyms")
dev.off()
jpeg("percentage_infected_MAY vs. Closed.movie.theaters.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Closed.movie.theaters, y = percentage_infected_MAY, group = Closed.movie.theaters)) +
    geom_half_dotplot(fill = "lightblue3") +
    geom_half_boxplot(side="l", fill = "lightblue3") +
    ggtitle("percentage_infected_MAY vs. Closed.movie.theaters")
dev.off()
jpeg("percentage_infected_MAY vs. Froze.evictions.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Froze.evictions, y = percentage_infected_MAY, group = Froze.evictions)) +
    geom_half_dotplot(fill = "lightblue3") +
    geom_half_boxplot(side="l", fill = "lightblue3") +
    ggtitle("percentage_infected_MAY vs. Froze.evictions")
dev.off()
jpeg("percentage_infected_MAY vs. Ordered.freezing.utility.shut.off.s.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Ordered.freezing.utility.shut.off.s, y = percentage_infected_MAY, group = Ordered.freezing.utility.shut.off.s)) +
    geom_half_dotplot(fill = "lightblue3") +
    geom_half_boxplot(side="l", fill = "lightblue3") +
    ggtitle("percentage_infected_MAY vs. Ordered.freezing.utility.shut.off.s")
dev.off()
jpeg("percentage_infected_MAY vs. Public.Face.Mask.Mandate.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Public.Face.Mask.Mandate, y = percentage_infected_MAY, group = Public.Face.Mask.Mandate)) +
    geom_half_dotplot(fill = "lightblue3") +
    geom_half_boxplot(side="l", fill = "lightblue3") +
    ggtitle("percentage_infected_MAY vs. Public.Face.Mask.Mandate")
dev.off()
jpeg("percentage_infected_MAY vs. Employee.Face.Mask.Mandate.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Employee.Face.Mask.Mandate, y = percentage_infected_MAY, group = Employee.Face.Mask.Mandate)) +
    geom_half_dotplot(fill = "lightblue3") +
    geom_half_boxplot(side="l", fill = "lightblue3") +
    ggtitle("percentage_infected_MAY vs. Employee.Face.Mask.Mandate")
dev.off()
jpeg("percentage_infected_MAY vs. Travel.Restriction.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Travel.Restriction, y = percentage_infected_MAY, group = Travel.Restriction)) +
    geom_half_dotplot(fill = "lightblue3") +
    geom_half_boxplot(side="l", fill = "lightblue3") +
    ggtitle("percentage_infected_MAY vs. Travel.Restriction")
dev.off()
jpeg("percentage_infected_MAY vs. Large.Gathering.ban.jpeg", width = 1000, height = 1000)

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na_full %>%
  ggplot(aes(x = Large.Gathering.ban, y = percentage_infected_MAY, group = Large.Gathering.ban)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("percentage_infected_MAY vs. Large.Gathering.ban")
dev.off()
jpeg("percentage_infected_MAY vs. Employee.Screening.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Employee.Screening, y = percentage_infected_MAY, group = Employee.Screening)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("percentage_infected_MAY vs. Employee.Screening")
dev.off()
jpeg("YoY.Growth vs. Declared.state.of.emergency.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Declared.state.of.emergency, y = YoY.Growth, group = Declared.state.of.emergency)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("YoY.Growth vs. Declared.state.of.emergency")
dev.off()
jpeg("YoY.Growth vs. Ordered.Closure.of.K.12.schools.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Ordered.Closure.of.K.12.schools, y = YoY.Growth, group = Ordered.Closure.of.K.12.schools)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("YoY.Growth vs. Ordered.Closure.of.K.12.schools")
dev.off()
jpeg("YoY.Growth vs. Closed.daycares.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Closed.daycares, y = YoY.Growth, group = Closed.daycares)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("YoY.Growth vs. Closed.daycares")
dev.off()
jpeg("YoY.Growth vs. Banned.visits.to.long.term.care.homes.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Banned.visits.to.long.term.care.homes, y = YoY.Growth, group = Banned.visits.to.long.term.care.homes)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("YoY.Growth vs. Banned.visits.to.long.term.care.homes")
dev.off()
jpeg("YoY.Growth vs. Closed.non.essential.businesses.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Closed.non.essential.businesses, y = YoY.Growth, group = Closed.non.essential.businesses)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("YoY.Growth vs. Closed.non.essential.businesses")
dev.off()
jpeg("YoY.Growth vs. Closed.restaurants.except.take.out.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Closed.restaurants.except.take.out, y = YoY.Growth, group = Closed.restaurants.except.take.out)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("YoY.Growth vs. Closed.restaurants.except.take.out")
dev.off()
jpeg("YoY.Growth vs. Closed.cannabis.and.liquor.stores.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Closed.cannabis.and.liquor.stores, y = YoY.Growth, group = Closed.cannabis.and.liquor.stores)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("YoY.Growth vs. Closed.cannabis.and.liquor.stores")
dev.off()

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and.liquor.stores)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("YoY.Growth vs. Closed.cannabis.and.liquor.stores")
dev.off()
jpeg("YoY.Growth vs. Closed.gyms.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Closed.gyms, y = YoY.Growth, group = Closed.gyms)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("YoY.Growth vs. Closed.gyms")
dev.off()
jpeg("YoY.Growth vs. Closed.movie.theaters.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Closed.movie.theaters, y = YoY.Growth, group = Closed.movie.theaters)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("YoY.Growth vs. Closed.movie.theaters")
dev.off()
jpeg("YoY.Growth vs. Froze.evictions.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Froze.evictions, y = YoY.Growth, group = Froze.evictions)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("YoY.Growth vs. Froze.evictions")
dev.off()
jpeg("YoY.Growth vs. Ordered.freezing.utility.shut.off.s.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Ordered.freezing.utility.shut.off.s, y = YoY.Growth, group = Ordered.freezing.utility.shut.off.s)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("YoY.Growth vs. Ordered.freezing.utility.shut.off.s")
dev.off()
jpeg("YoY.Growth vs. Public.Face.Mask.Mandate.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Public.Face.Mask.Mandate, y = YoY.Growth, group = Public.Face.Mask.Mandate)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("YoY.Growth vs. Public.Face.Mask.Mandate")
dev.off()
jpeg("YoY.Growth vs. Employee.Face.Mask.Mandate.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Employee.Face.Mask.Mandate, y = YoY.Growth, group = Employee.Face.Mask.Mandate)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("YoY.Growth vs. Employee.Face.Mask.Mandate")
dev.off()
jpeg("YoY.Growth vs. Travel.Restriction.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Travel.Restriction, y = YoY.Growth, group = Travel.Restriction)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("YoY.Growth vs. Travel.Restriction")
dev.off()
jpeg("YoY.Growth vs. Large.Gathering.ban.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Large.Gathering.ban, y = YoY.Growth, group = Large.Gathering.ban)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("YoY.Growth vs. Large.Gathering.ban")
dev.off()
jpeg("YoY.Growth vs. Employee.Screening.jpeg", width = 1000, height = 1000)
na_full %>%

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ggplot(aes(x = Employee.Screening, y = YoY.Growth, group = Employee.Screening)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("YoY.Growth vs. Employee.Screening")
dev.off()
jpeg("MoM.Growth vs. Declared.state.of.emergency.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Declared.state.of.emergency, y = MoM.Growth, group = Declared.state.of.emer
gency)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("MoM.Growth vs. Declared.state.of.emergency")
dev.off()
jpeg("MoM.Growth vs. Ordered.Closure.of.K.12.schools.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Ordered.Closure.of.K.12.schools, y = MoM.Growth, group = Ordered.Closure.of
.K.12.schools)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("MoM.Growth vs. Ordered.Closure.of.K.12.schools")
dev.off()
jpeg("MoM.Growth vs. Closed.daycares.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Closed.daycares, y = MoM.Growth, group = Closed.daycares)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("MoM.Growth vs. Closed.daycares")
dev.off()
jpeg("MoM.Growth vs. Banned.visits.to.long.term.care.homes.jpeg", width = 1000, height = 100
0)
na_full %>%
  ggplot(aes(x = Banned.visits.to.long.term.care.homes, y = MoM.Growth, group = Banned.visit
s.to.long.term.care.homes)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("MoM.Growth vs. Banned.visits.to.long.term.care.homes")
dev.off()
jpeg("MoM.Growth vs. Closed.non.essential.businesses.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Closed.non.essential.businesses, y = MoM.Growth, group = Closed.non.essenti
al.businesses)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("MoM.Growth vs. Closed.non.essential.businesses")
dev.off()
jpeg("MoM.Growth vs. Closed.restaurants.except.take.out.jpeg", width = 1000, height = 1000)

na_full %>%
  ggplot(aes(x = Closed.restaurants.except.take.out, y = MoM.Growth, group = Closed.restaura
nts.except.take.out)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("MoM.Growth vs. Closed.restaurants.except.take.out")
dev.off()
jpeg("MoM.Growth vs. Closed.cannabis.and.liquor.stores.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Closed.cannabis.and.liquor.stores, y = MoM.Growth, group = Closed.cannabis.
and.liquor.stores)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("MoM.Growth vs. Closed.cannabis.and.liquor.stores")
dev.off()
jpeg("MoM.Growth vs. Closed.gyms.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Closed.gyms, y = MoM.Growth, group = Closed.gyms)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +

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ggtitle("MoM.Growth vs. Closed.gyms")
dev.off()
jpeg("MoM.Growth vs. Closed.movie.theaters.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Closed.movie.theaters, y = MoM.Growth, group = Closed.movie.theaters)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("MoM.Growth vs. Closed.movie.theaters")
dev.off()
jpeg("MoM.Growth vs. Froze.evictions.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Froze.evictions, y = MoM.Growth, group = Froze.evictions)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("MoM.Growth vs. Froze.evictions")
dev.off()
jpeg("MoM.Growth vs. Ordered.freezing.utility.shut.off.s.jpeg", width = 1000, height = 1000)

na_full %>%
  ggplot(aes(x = Ordered.freezing.utility.shut.off.s, y = MoM.Growth, group = Ordered.freezin
g.utility.shut.off.s)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("MoM.Growth vs. Ordered.freezing.utility.shut.off.s")
dev.off()
jpeg("MoM.Growth vs. Public.Face.Mask.Mandate.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Public.Face.Mask.Mandate, y = MoM.Growth, group = Public.Face.Mask.Mandate)
) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("MoM.Growth vs. Public.Face.Mask.Mandate")
dev.off()
jpeg("MoM.Growth vs. Employee.Face.Mask.Mandate.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Employee.Face.Mask.Mandate, y = MoM.Growth, group = Employee.Face.Mask.Mand
ate)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("MoM.Growth vs. Employee.Face.Mask.Mandate")
dev.off()
jpeg("MoM.Growth vs. Travel.Restriction.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Travel.Restriction, y = MoM.Growth, group = Travel.Restriction)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("MoM.Growth vs. Travel.Restriction")
dev.off()
jpeg("MoM.Growth vs. Large.Gathering.ban.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Large.Gathering.ban, y = MoM.Growth, group = Large.Gathering.ban)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("MoM.Growth vs. Large.Gathering.ban")
dev.off()
jpeg("MoM.Growth vs. Employee.Screening.jpeg", width = 1000, height = 1000)
na_full %>%
  ggplot(aes(x = Employee.Screening, y = MoM.Growth, group = Employee.Screening)) +
  geom_half_dotplot(fill = "lightblue3") +
  geom_half_boxplot(side="l", fill = "lightblue3") +
  ggtitle("MoM.Growth vs. Employee.Screening")
dev.off()

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In [0]:

```
summary(lm(cases_MAR_to_APR ~ Declared.state.of.emergency))
summary(lm(cases_APR_to_MAY ~ Declared.state.of.emergency))
summary(lm(percentage_infected_MAY ~ Declared.state.of.emergency))
summary(lm(YoY.Growth ~ Declared.state.of.emergency))
summary(lm(MoM.Growth ~ Declared.state.of.emergency))
summary(lm(cases_MAR_to_APR ~ Ordered.Closure.of.K.12.schools))
summary(lm(cases_APR_to_MAY ~ Ordered.Closure.of.K.12.schools))
summary(lm(percentage_infected_MAY ~ Ordered.Closure.of.K.12.schools))
summary(lm(YoY.Growth ~ Ordered.Closure.of.K.12.schools))
summary(lm(MoM.Growth ~ Ordered.Closure.of.K.12.schools))
summary(lm(cases_MAR_to_APR ~ Closed.daycares))
summary(lm(cases_APR_to_MAY ~ Closed.daycares))
summary(lm(percentage_infected_MAY ~ Closed.daycares))
summary(lm(YoY.Growth ~ Closed.daycares))
summary(lm(MoM.Growth ~ Closed.daycares))
summary(lm(cases_MAR_to_APR ~ Banned.visits.to.long.term.care.homes))
summary(lm(cases_APR_to_MAY ~ Banned.visits.to.long.term.care.homes))
summary(lm(percentage_infected_MAY ~ Banned.visits.to.long.term.care.homes))
summary(lm(YoY.Growth ~ Banned.visits.to.long.term.care.homes))
summary(lm(MoM.Growth ~ Banned.visits.to.long.term.care.homes))
summary(lm(cases_MAR_to_APR ~ Closed.non.essential.businesses))
summary(lm(cases_APR_to_MAY ~ Closed.non.essential.businesses))
summary(lm(percentage_infected_MAY ~ Closed.non.essential.businesses))
summary(lm(YoY.Growth ~ Closed.non.essential.businesses))
summary(lm(MoM.Growth ~ Closed.non.essential.businesses))
summary(lm(cases_MAR_to_APR ~ Closed.restaurants.except.take.out))
summary(lm(cases_APR_to_MAY ~ Closed.restaurants.except.take.out))
summary(lm(percentage_infected_MAY ~ Closed.restaurants.except.take.out))
summary(lm(YoY.Growth ~ Closed.restaurants.except.take.out))
summary(lm(MoM.Growth ~ Closed.restaurants.except.take.out))
summary(lm(cases_MAR_to_APR ~ Closed.cannabis.and.liquor.stores))
summary(lm(cases_APR_to_MAY ~ Closed.cannabis.and.liquor.stores))
summary(lm(percentage_infected_MAY ~ Closed.cannabis.and.liquor.stores))
summary(lm(YoY.Growth ~ Closed.cannabis.and.liquor.stores))
summary(lm(MoM.Growth ~ Closed.cannabis.and.liquor.stores))
```

```
summary(lm(cases_MAR_to_APR ~ Closed.gyms))
summary(lm(cases_APR_to_MAY ~ Closed.gyms))
summary(lm(percentage_infected_MAY ~ Closed.gyms))
summary(lm(YoY.Growth ~ Closed.gyms))
summary(lm(MoM.Growth ~ Closed.gyms))
summary(lm(cases_MAR_to_APR ~ Closed.movie.theaters))
summary(lm(cases_APR_to_MAY ~ Closed.movie.theaters))
summary(lm(percentage_infected_MAY ~ Closed.movie.theaters))
summary(lm(YoY.Growth ~ Closed.movie.theaters))
summary(lm(MoM.Growth ~ Closed.movie.theaters))
summary(lm(cases_MAR_to_APR ~ Froze.evictions))
summary(lm(cases_APR_to_MAY ~ Froze.evictions))
summary(lm(percentage_infected_MAY ~ Froze.evictions))
summary(lm(YoY.Growth ~ Froze.evictions))
summary(lm(MoM.Growth ~ Froze.evictions))
summary(lm(cases_MAR_to_APR ~ Ordered.freezing.utility.shut.off))
summary(lm(cases_APR_to_MAY ~ Ordered.freezing.utility.shut.off))
summary(lm(percentage_infected_MAY ~ Ordered.freezing.utility.shut.off))
summary(lm(YoY.Growth ~ Ordered.freezing.utility.shut.off))
summary(lm(MoM.Growth ~ Ordered.freezing.utility.shut.off))
summary(lm(cases_MAR_to_APR ~ Public.Face.Mask.Mandate))
summary(lm(cases_APR_to_MAY ~ Public.Face.Mask.Mandate))
summary(lm(percentage_infected_MAY ~ Public.Face.Mask.Mandate))
summary(lm(YoY.Growth ~ Public.Face.Mask.Mandate))
summary(lm(MoM.Growth ~ Public.Face.Mask.Mandate))
summary(lm(cases_MAR_to_APR ~ Employee.Face.Mask.Mandate))
summary(lm(cases_APR_to_MAY ~ Employee.Face.Mask.Mandate))
summary(lm(percentage_infected_MAY ~ Employee.Face.Mask.Mandate))
summary(lm(YoY.Growth ~ Employee.Face.Mask.Mandate))
summary(lm(MoM.Growth ~ Employee.Face.Mask.Mandate))
summary(lm(cases_MAR_to_APR ~ Travel.Restriction))
summary(lm(cases_APR_to_MAY ~ Travel.Restriction))
summary(lm(percentage_infected_MAY ~ Travel.Restriction))
summary(lm(YoY.Growth ~ Travel.Restriction))
summary(lm(MoM.Growth ~ Travel.Restriction))
summary(lm(cases_MAR_to_APR ~ Large.Gathering.ban))
summary(lm(cases_APR_to_MAY ~ Large.Gathering.ban))
summary(lm(percentage_infected_MAY ~ Large.Gathering.ban))
summary(lm(YoY.Growth ~ Large.Gathering.ban))
summary(lm(MoM.Growth ~ Large.Gathering.ban))
summary(lm(cases_MAR_to_APR ~ Employee.Screening))
summary(lm(cases_APR_to_MAY ~ Employee.Screening))
summary(lm(percentage_infected_MAY ~ Employee.Screening))
summary(lm(YoY.Growth ~ Employee.Screening))
summary(lm(MoM.Growth ~ Employee.Screening))
```

Call:

```
lm(formula = cases_MAR_to_APR ~ Declared.state.of.emergency)
```

Residuals:

Min	1Q	Median	3Q	Max
-18973	-11845	-6132	8197	77326

Coefficients: (1 not defined because of singularities)

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	20474	2491	8.219	3.38e-11 ***
Declared.state.of.emergency	NA	NA	NA	NA

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

Residual standard error: 18810 on 56 degrees of freedom

Call:

```
lm(formula = cases_APR_to_MAY ~ Declared.state.of.emergency)
```

Residuals:

Min	1Q	Median	3Q	Max
-186.62	-93.28	-17.31	43.20	693.31

Coefficients: (1 not defined because of singularities)

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	189.19	21.25	8.905	2.57e-12 ***
Declared.state.of.emergency	NA	NA	NA	NA

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

Residual standard error: 160.4 on 56 degrees of freedom

Call:

lm(formula = percentage_infected_MAY ~ Declared.state.of.emergency)

Residuals:

Min	1Q	Median	3Q	Max
-3.5260	-2.0945	-1.4041	0.7379	14.3255

Coefficients: (1 not defined because of singularities)

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	3.7149	0.5024	7.395	7.71e-10 ***
Declared.state.of.emergency	NA	NA	NA	NA

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

Residual standard error: 3.793 on 56 degrees of freedom

Call:

lm(formula = YoY.Growth ~ Declared.state.of.emergency)

Residuals:

Min	1Q	Median	3Q	Max
-234.92	-78.03	7.34	49.87	420.19

Coefficients: (1 not defined because of singularities)

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	248.62	16.46	15.1	<2e-16 ***
Declared.state.of.emergency	NA	NA	NA	NA

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

Residual standard error: 124.3 on 56 degrees of freedom

Call:

lm(formula = MoM.Growth ~ Declared.state.of.emergency)

Residuals:

Min	1Q	Median	3Q	Max
-202.37	-101.40	-31.20	78.82	560.80

Coefficients: (1 not defined because of singularities)

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	215.88	18.34	11.77	<2e-16 ***
Declared.state.of.emergency	NA	NA	NA	NA

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

Residual standard error: 138.4 on 56 degrees of freedom

Call:

lm(formula = cases_MAR_to_APR ~ Ordered.Closure.of.K.12.schools)

Residuals:

Min	1Q	Median	3Q	Max
-19239	-12079	-5806	7931	77060

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	5571	18870	0.295	0.769
Ordered.Closure.of.K.12.schools	15170	19038	0.797	0.429

Ordered.Closure.of.K.12.schools 13170 13030 0.737 0.429

Residual standard error: 18870 on 55 degrees of freedom
Multiple R-squared: 0.01141, Adjusted R-squared: -0.006562
F-statistic: 0.6349 on 1 and 55 DF, p-value: 0.429

Call:
lm(formula = cases_APR_to_MAY ~ Ordered.Closure.of.K.12.schools)

Residuals:

Min	1Q	Median	3Q	Max
-186.71	-93.37	-17.40	43.11	693.22

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	184.115	161.851	1.138	0.260
Ordered.Closure.of.K.12.schools	5.161	163.290	0.032	0.975

Residual standard error: 161.9 on 55 degrees of freedom
Multiple R-squared: 1.816e-05, Adjusted R-squared: -0.01816
F-statistic: 0.0009991 on 1 and 55 DF, p-value: 0.9749

Call:
lm(formula = percentage_infected_MAY ~ Ordered.Closure.of.K.12.schools)

Residuals:

Min	1Q	Median	3Q	Max
-3.5576	-2.1260	-1.4270	0.7064	14.2940

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	1.949	3.820	0.510	0.612
Ordered.Closure.of.K.12.schools	1.797	3.854	0.466	0.643

Residual standard error: 3.82 on 55 degrees of freedom
Multiple R-squared: 0.003939, Adjusted R-squared: -0.01417
F-statistic: 0.2175 on 1 and 55 DF, p-value: 0.6428

Call:
lm(formula = YoY.Growth ~ Ordered.Closure.of.K.12.schools)

Residuals:

Min	1Q	Median	3Q	Max
-234.76	-77.86	5.69	50.04	420.35

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	257.777	125.418	2.055	0.0446 *
Ordered.Closure.of.K.12.schools	-9.321	126.532	-0.074	0.9415

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

Residual standard error: 125.4 on 55 degrees of freedom
Multiple R-squared: 9.865e-05, Adjusted R-squared: -0.01808
F-statistic: 0.005426 on 1 and 55 DF, p-value: 0.9415

Call:
lm(formula = MoM.Growth ~ Ordered.Closure.of.K.12.schools)

Residuals:

Min	1Q	Median	3Q	Max
-203.11	-102.15	-30.38	78.08	560.05

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	174.2	139.6	1.248	0.217
Ordered.Closure.of.K.12.schools	42.4	140.8	0.301	0.764

Residual standard error: 139.6 on 55 degrees of freedom

Multiple R-squared: 0.001646, Adjusted R-squared: -0.01651
F-statistic: 0.09066 on 1 and 55 DF, p-value: 0.7645

Call:
lm(formula = cases_MAR_to_APR ~ Closed.daycares)

Residuals:

Min	1Q	Median	3Q	Max
-20373	-12044	-5328	8577	78622

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	19178	3106	6.174	8.4e-08 ***
Closed.daycares	3695	5244	0.705	0.484

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

Residual standard error: 18890 on 55 degrees of freedom
Multiple R-squared: 0.008946, Adjusted R-squared: -0.009073
F-statistic: 0.4965 on 1 and 55 DF, p-value: 0.484

Call:
lm(formula = cases_APR_to_MAY ~ Closed.daycares)

Residuals:

Min	1Q	Median	3Q	Max
-194.96	-100.68	-21.82	28.72	672.19

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	210.30	26.17	8.036	7.62e-11 ***
Closed.daycares	-60.19	44.18	-1.362	0.179

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

Residual standard error: 159.2 on 55 degrees of freedom
Multiple R-squared: 0.03264, Adjusted R-squared: 0.01506
F-statistic: 1.856 on 1 and 55 DF, p-value: 0.1786

Call:
lm(formula = percentage_infected_MAY ~ Closed.daycares)

Residuals:

Min	1Q	Median	3Q	Max
-4.3465	-2.2158	-1.0855	0.7808	14.7690

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	3.2715	0.6211	5.268	2.37e-06 ***
Closed.daycares	1.2639	1.0485	1.205	0.233

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

Residual standard error: 3.778 on 55 degrees of freedom
Multiple R-squared: 0.02574, Adjusted R-squared: 0.008028
F-statistic: 1.453 on 1 and 55 DF, p-value: 0.2332

Call:
lm(formula = YoY.Growth ~ Closed.daycares)

Residuals:

Min	1Q	Median	3Q	Max
-228.80	-79.03	4.99	46.57	416.88

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	251.929	20.606	12.226	<2e-16 ***
Closed.daycares	-9.432	34.787	-0.271	0.787

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

Residual standard error: 125.3 on 55 degrees of freedom
Multiple R-squared: 0.001335, Adjusted R-squared: -0.01682
F-statistic: 0.07351 on 1 and 55 DF, p-value: 0.7873

Call:
lm(formula = MoM.Growth ~ Closed.daycares)

Residuals:

Min	1Q	Median	3Q	Max
-187.40	-99.75	-20.38	79.35	552.70

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	223.98	22.89	9.785	1.21e-13 ***
Closed.daycares	-23.07	38.64	-0.597	0.553

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

Residual standard error: 139.2 on 55 degrees of freedom
Multiple R-squared: 0.006436, Adjusted R-squared: -0.01163
F-statistic: 0.3563 on 1 and 55 DF, p-value: 0.553

Call:
lm(formula = cases_MAR_to_APR ~ Banned.visits.to.long.term.care.homes)

Residuals:

Min	1Q	Median	3Q	Max
-20096	-12935	-5822	7966	76204

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	18689	4034	4.632	2.26e-05 ***
Banned.visits.to.long.term.care.homes	2908	5149	0.565	0.575

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

Residual standard error: 18920 on 55 degrees of freedom
Multiple R-squared: 0.005765, Adjusted R-squared: -0.01231
F-statistic: 0.3189 on 1 and 55 DF, p-value: 0.5746

Call:
lm(formula = cases_APR_to_MAY ~ Banned.visits.to.long.term.care.homes)

Residuals:

Min	1Q	Median	3Q	Max
-223.13	-111.79	-10.11	40.39	656.80

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	225.69	33.93	6.652	1.4e-08 ***
Banned.visits.to.long.term.care.homes	-59.46	43.30	-1.373	0.175

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

Residual standard error: 159.1 on 55 degrees of freedom
Multiple R-squared: 0.03314, Adjusted R-squared: 0.01557
F-statistic: 1.885 on 1 and 55 DF, p-value: 0.1753

Call:
lm(formula = percentage_infected_MAY ~ Banned.visits.to.long.term.care.homes)

Residuals:

Min	1Q	Median	3Q	Max
-3.5495	-2.1356	-1.4452	0.8033	14.2844

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	3.6495	0.8159	4.473	3.91e-05 ***
Banned.visits.to.long.term.care.homes	0.1066	1.0412	0.102	0.919

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

Residual standard error: 3.827 on 55 degrees of freedom
 Multiple R-squared: 0.0001905, Adjusted R-squared: -0.01799
 F-statistic: 0.01048 on 1 and 55 DF, p-value: 0.9188

Call:
 lm(formula = YoY.Growth ~ Banned.visits.to.long.term.care.homes)

Residuals:

Min	1Q	Median	3Q	Max
-238.15	-74.00	5.07	46.81	416.96

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	243.482	26.726	9.110	1.41e-12 ***
Banned.visits.to.long.term.care.homes	8.367	34.106	0.245	0.807

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

Residual standard error: 125.4 on 55 degrees of freedom
 Multiple R-squared: 0.001093, Adjusted R-squared: -0.01707
 F-statistic: 0.06019 on 1 and 55 DF, p-value: 0.8071

Call:
 lm(formula = MoM.Growth ~ Banned.visits.to.long.term.care.homes)

Residuals:

Min	1Q	Median	3Q	Max
-202.56	-101.59	-31.39	79.13	560.61

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	215.5766	29.7810	7.239	1.53e-09 ***
Banned.visits.to.long.term.care.homes	0.4993	38.0052	0.013	0.99

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

Residual standard error: 139.7 on 55 degrees of freedom
 Multiple R-squared: 3.138e-06, Adjusted R-squared: -0.01818
 F-statistic: 0.0001726 on 1 and 55 DF, p-value: 0.9896

Call:
 lm(formula = cases_MAR_to_APR ~ Closed.non.essential.businesses)

Residuals:

Min	1Q	Median	3Q	Max
-19149	-12021	-5714	8021	77986

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	19814.0	5477.7	3.617	0.000648 ***
Closed.non.essential.businesses	836.3	6164.9	0.136	0.892587

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

Residual standard error: 18980 on 55 degrees of freedom
 Multiple R-squared: 0.0003345, Adjusted R-squared: -0.01784
 F-statistic: 0.0184 on 1 and 55 DF, p-value: 0.8926

Call:
 lm(formula = cases_APR_to_MAY ~ Closed.non.essential.businesses)

Residuals:

Min	1Q	Median	3Q	Max
-----	----	--------	----	-----

Min	1Q	Median	3Q	Max
-178.59	-115.93	-18.03	52.64	649.71

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	232.78	46.25	5.033	5.51e-06 ***
Closed.non.essential.businesses	-55.23	52.05	-1.061	0.293

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

Residual standard error: 160.2 on 55 degrees of freedom
Multiple R-squared: 0.02005, Adjusted R-squared: 0.002237
F-statistic: 1.126 on 1 and 55 DF, p-value: 0.2934

Call:

lm(formula = percentage_infected_MAY ~ Closed.non.essential.businesses)

Residuals:

Min	1Q	Median	3Q	Max
-3.8833	-2.2883	-1.3719	0.9439	13.9683

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	2.375	1.086	2.187	0.033 *
Closed.non.essential.businesses	1.697	1.222	1.388	0.171

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

Residual standard error: 3.762 on 55 degrees of freedom
Multiple R-squared: 0.03385, Adjusted R-squared: 0.01629
F-statistic: 1.927 on 1 and 55 DF, p-value: 0.1707

Call:

lm(formula = YoY.Growth ~ Closed.non.essential.businesses)

Residuals:

Min	1Q	Median	3Q	Max
-243.83	-78.22	0.64	45.60	411.28

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	215.22	35.85	6.003	1.59e-07 ***
Closed.non.essential.businesses	42.30	40.35	1.048	0.299

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

Residual standard error: 124.2 on 55 degrees of freedom
Multiple R-squared: 0.0196, Adjusted R-squared: 0.00177
F-statistic: 1.099 on 1 and 55 DF, p-value: 0.299

Call:

lm(formula = MoM.Growth ~ Closed.non.essential.businesses)

Residuals:

Min	1Q	Median	3Q	Max
-213.71	-84.75	-29.03	67.47	549.45

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	173.34	39.80	4.355	5.85e-05 ***
Closed.non.essential.businesses	53.89	44.80	1.203	0.234

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

Residual standard error: 137.9 on 55 degrees of freedom
Multiple R-squared: 0.02564, Adjusted R-squared: 0.00792
F-statistic: 1.447 on 1 and 55 DF, p-value: 0.2342

Call:

```
lm(formula = cases_MAR_to_APR ~ Closed.restaurants.except.take.out)
```

Residuals:

Min	1Q	Median	3Q	Max
-19109	-11981	-5676	8061	77190

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	12867	18950	0.679	0.500
Closed.restaurants.except.take.out	7743	19119	0.405	0.687

Residual standard error: 18950 on 55 degrees of freedom

Multiple R-squared: 0.002974, Adjusted R-squared: -0.01515

F-statistic: 0.164 on 1 and 55 DF, p-value: 0.687

Call:

```
lm(formula = cases_APR_to_MAY ~ Closed.restaurants.except.take.out)
```

Residuals:

Min	1Q	Median	3Q	Max
-185.84	-92.49	-16.53	41.79	694.09

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	233.08	161.74	1.441	0.155
Closed.restaurants.except.take.out	-44.67	163.18	-0.274	0.785

Residual standard error: 161.7 on 55 degrees of freedom

Multiple R-squared: 0.001361, Adjusted R-squared: -0.0168

F-statistic: 0.07495 on 1 and 55 DF, p-value: 0.7853

Call:

```
lm(formula = percentage_infected_MAY ~ Closed.restaurants.except.take.out)
```

Residuals:

Min	1Q	Median	3Q	Max
-3.514	-2.082	-1.392	0.750	14.338

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	4.394	3.826	1.148	0.256
Closed.restaurants.except.take.out	-0.691	3.860	-0.179	0.859

Residual standard error: 3.826 on 55 degrees of freedom

Multiple R-squared: 0.0005822, Adjusted R-squared: -0.01759

F-statistic: 0.03204 on 1 and 55 DF, p-value: 0.8586

Call:

```
lm(formula = YoY.Growth ~ Closed.restaurants.except.take.out)
```

Residuals:

Min	1Q	Median	3Q	Max
-235.41	-78.52	6.85	49.38	419.69

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	221.05	125.37	1.763	0.0834
Closed.restaurants.except.take.out	28.06	126.48	0.222	0.8253

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

Residual standard error: 125.4 on 55 degrees of freedom

Multiple R-squared: 0.000894, Adjusted R-squared: -0.01727

F-statistic: 0.04921 on 1 and 55 DF, p-value: 0.8253

Call:

```
lm(formula = MoM.Growth ~ Closed.restaurants.except.take.out)
```

Residuals:

Min	1Q	Median	3Q	Max
-202.01	-101.04	-30.83	79.18	561.16

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	236.30	139.66	1.692	0.0963
Closed.restaurants.except.take.out	-20.78	140.90	-0.148	0.8833

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

Residual standard error: 139.7 on 55 degrees of freedom

Multiple R-squared: 0.0003954, Adjusted R-squared: -0.01778

F-statistic: 0.02176 on 1 and 55 DF, p-value: 0.8833

Call:

lm(formula = cases_MAR_to_APR ~ Closed.cannabis.and.liquor.stores)

Residuals:

Min	1Q	Median	3Q	Max
-19699	-12232	-6264	7471	76600

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	15290	7134	2.143	0.0365 *
Closed.cannabis.and.liquor.stores	5910	7617	0.776	0.4412

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

Residual standard error: 18880 on 55 degrees of freedom

Multiple R-squared: 0.01083, Adjusted R-squared: -0.007159

F-statistic: 0.6019 on 1 and 55 DF, p-value: 0.4412

Call:

lm(formula = cases_APR_to_MAY ~ Closed.cannabis.and.liquor.stores)

Residuals:

Min	1Q	Median	3Q	Max
-194.36	-95.61	-19.37	37.34	684.29

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	124.77	60.47	2.063	0.0438 *
Closed.cannabis.and.liquor.stores	73.43	64.56	1.137	0.2603

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

Residual standard error: 160 on 55 degrees of freedom

Multiple R-squared: 0.02298, Adjusted R-squared: 0.005217

F-statistic: 1.294 on 1 and 55 DF, p-value: 0.2603

Call:

lm(formula = percentage_infected_MAY ~ Closed.cannabis.and.liquor.stores)

Residuals:

Min	1Q	Median	3Q	Max
-3.7569	-2.2673	-1.4511	0.7605	14.0770

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	1.940	1.424	1.362	0.179
Closed.cannabis.and.liquor.stores	2.024	1.520	1.331	0.189

Residual standard error: 3.767 on 55 degrees of freedom

Multiple R-squared: 0.03121, Adjusted R-squared: 0.0136

F-statistic: 1.772 on 1 and 55 DF, p-value: 0.1886

Call:

lm(formula = YoY.Growth ~ Closed.cannabis.and.liquor.stores)

Residuals:

	Min	1Q	Median	3Q	Max
	-244.53	-78.92	-1.30	40.44	410.58

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	180.02	46.37	3.883	0.000279 ***
Closed.cannabis.and.liquor.stores	78.21	49.50	1.580	0.119890

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

Residual standard error: 122.7 on 55 degrees of freedom

Multiple R-squared: 0.04341, Adjusted R-squared: 0.02601

F-statistic: 2.496 on 1 and 55 DF, p-value: 0.1199

Call:

lm(formula = MoM.Growth ~ Closed.cannabis.and.liquor.stores)

Residuals:

	Min	1Q	Median	3Q	Max
	-219.63	-83.64	-26.56	74.03	543.54

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	92.59	49.72	1.862	0.0679 .
Closed.cannabis.and.liquor.stores	140.55	53.09	2.647	0.0106 *

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

Residual standard error: 131.6 on 55 degrees of freedom

Multiple R-squared: 0.113, Adjusted R-squared: 0.0969

F-statistic: 7.009 on 1 and 55 DF, p-value: 0.01056

Call:

lm(formula = cases_MAR_to_APR ~ Closed.gyms)

Residuals:

	Min	1Q	Median	3Q	Max
	-19479	-12065	-6581	8505	76283

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	21517	5261	4.090	0.000142 ***
Closed.gyms	-1351	5988	-0.226	0.822343

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

Residual standard error: 18970 on 55 degrees of freedom

Multiple R-squared: 0.0009246, Adjusted R-squared: -0.01724

F-statistic: 0.0509 on 1 and 55 DF, p-value: 0.8223

Call:

lm(formula = cases_APR_to_MAY ~ Closed.gyms)

Residuals:

	Min	1Q	Median	3Q	Max
	-184.32	-90.18	-14.22	40.31	696.41

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	199.67	44.86	4.451	4.22e-05 ***
Closed.gyms	-13.58	51.06	-0.266	0.791

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

Residual standard error: 161.7 on 55 degrees of freedom

Multiple R-squared: 0.001284, Adjusted R-squared: -0.01687

F-statistic: 0.0707 on 1 and 55 DF, p-value: 0.7913

Call:

```
lm(formula = percentage_infected_MAY ~ Closed.gyms)
```

Residuals:

Min	1Q	Median	3Q	Max
-4.0246	-2.2643	-0.8543	0.7997	13.8270

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	2.028	1.029	1.970	0.0539 .
Closed.gyms	2.186	1.172	1.866	0.0674 .

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

Residual standard error: 3.712 on 55 degrees of freedom

Multiple R-squared: 0.05951, Adjusted R-squared: 0.04241

F-statistic: 3.48 on 1 and 55 DF, p-value: 0.06744

Call:

```
lm(formula = YoY.Growth ~ Closed.gyms)
```

Residuals:

Min	1Q	Median	3Q	Max
-234.82	-77.93	7.44	49.54	420.28

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	248.9498	34.7862	7.157	2.09e-09 ***
Closed.gyms	-0.4274	39.5930	-0.011	0.991

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

Residual standard error: 125.4 on 55 degrees of freedom

Multiple R-squared: 2.119e-06, Adjusted R-squared: -0.01818

F-statistic: 0.0001165 on 1 and 55 DF, p-value: 0.9914

Call:

```
lm(formula = MoM.Growth ~ Closed.gyms)
```

Residuals:

Min	1Q	Median	3Q	Max
-195.61	-98.05	-28.59	71.14	567.56

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	238.77	38.58	6.189	7.96e-08 ***
Closed.gyms	-29.65	43.91	-0.675	0.502

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

Residual standard error: 139.1 on 55 degrees of freedom

Multiple R-squared: 0.008222, Adjusted R-squared: -0.00981

F-statistic: 0.456 on 1 and 55 DF, p-value: 0.5024

Call:

```
lm(formula = cases_MAR_to_APR ~ Closed.movie.theaters)
```

Residuals:

Min	1Q	Median	3Q	Max
-22606	-12598	-7017	8688	73156

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	24644	7725	3.190	0.00235 **
Closed.movie.theaters	-4661	8167	-0.571	0.57053

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


```

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

Residual standard error: 18920 on 55 degrees of freedom
Multiple R-squared:  0.005887, Adjusted R-squared:  -0.01219
F-statistic: 0.3257 on 1 and 55 DF,  p-value: 0.5705

Call:
lm(formula = cases_APR_to_MAY ~ Closed.movie.theaters)

Residuals:
    Min       1Q   Median       3Q      Max
-185.59  -92.25  -19.99   42.04  694.34

Coefficients:
              Estimate Std. Error t value Pr(>|t|)
(Intercept)      197.92     66.06   2.996  0.0041 **
Closed.movie.theaters    -9.76     69.84  -0.140  0.8894
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 161.8 on 55 degrees of freedom
Multiple R-squared:  0.0003549, Adjusted R-squared:  -0.01782
F-statistic: 0.01953 on 1 and 55 DF,  p-value: 0.8894

Call:
lm(formula = percentage_infected_MAY ~ Closed.movie.theaters)

Residuals:
    Min       1Q   Median       3Q      Max
-3.707 -2.256 -1.383  1.109 14.145

Coefficients:
              Estimate Std. Error t value Pr(>|t|)
(Intercept)       2.181     1.547   1.409  0.164
Closed.movie.theaters    1.715     1.636   1.048  0.299

Residual standard error: 3.79 on 55 degrees of freedom
Multiple R-squared:  0.0196, Adjusted R-squared:  0.00177
F-statistic: 1.099 on 1 and 55 DF,  p-value: 0.299

Call:
lm(formula = YoY.Growth ~ Closed.movie.theaters)

Residuals:
    Min       1Q   Median       3Q      Max
-239.90  -81.03    4.18   50.59  415.21

Coefficients:
              Estimate Std. Error t value Pr(>|t|)
(Intercept)      206.33     50.85   4.058 0.000158 ***
Closed.movie.theaters    47.26     53.76   0.879 0.383138
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 124.6 on 55 degrees of freedom
Multiple R-squared:  0.01386, Adjusted R-squared:  -0.004071
F-statistic: 0.7729 on 1 and 55 DF,  p-value: 0.3831

Call:
lm(formula = MoM.Growth ~ Closed.movie.theaters)

Residuals:
    Min       1Q   Median       3Q      Max
-208.89  -90.98  -27.58   84.76  554.28

Coefficients:
              Estimate Std. Error t value Pr(>|t|)
(Intercept)      160.44     56.48   2.841  0.0063 **
Closed.movie.theaters    61.97     59.71   1.038  0.3039

```

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

Residual standard error: 138.3 on 55 degrees of freedom
Multiple R-squared: 0.01921, Adjusted R-squared: 0.001377
F-statistic: 1.077 on 1 and 55 DF, p-value: 0.3039

Call:
lm(formula = cases_MAR_to_APR ~ Froze.evictions)

Residuals:

Min	1Q	Median	3Q	Max
-18516	-11637	-6165	5873	73296

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	24504	3648	6.716	1.1e-08 ***
Froze.evictions	-7409	4947	-1.498	0.14

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

Residual standard error: 18600 on 55 degrees of freedom
Multiple R-squared: 0.03918, Adjusted R-squared: 0.02172
F-statistic: 2.243 on 1 and 55 DF, p-value: 0.1399

Call:
lm(formula = cases_APR_to_MAY ~ Froze.evictions)

Residuals:

Min	1Q	Median	3Q	Max
-197.14	-93.99	-20.52	46.54	682.79

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	176.65	31.66	5.580	7.6e-07 ***
Froze.evictions	23.06	42.93	0.537	0.593

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

Residual standard error: 161.4 on 55 degrees of freedom
Multiple R-squared: 0.005217, Adjusted R-squared: -0.01287
F-statistic: 0.2885 on 1 and 55 DF, p-value: 0.5934

Call:
lm(formula = percentage_infected_MAY ~ Froze.evictions)

Residuals:

Min	1Q	Median	3Q	Max
-3.6465	-2.0924	-1.3088	0.8224	14.2051

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	3.5713	0.7501	4.761	1.44e-05 ***
Froze.evictions	0.2640	1.0172	0.260	0.796

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

Residual standard error: 3.825 on 55 degrees of freedom
Multiple R-squared: 0.001224, Adjusted R-squared: -0.01694
F-statistic: 0.06738 on 1 and 55 DF, p-value: 0.7962

Call:
lm(formula = YoY.Growth ~ Froze.evictions)

Residuals:

Min	1Q	Median	3Q	Max
-231.24	-82.42	6.31	45.49	423.87

Coefficients:

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	253.009	24.585	10.291	1.97e-14 ***
Froze.evictions	-8.069	33.336	-0.242	0.81

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

Residual standard error: 125.4 on 55 degrees of freedom
Multiple R-squared: 0.001064, Adjusted R-squared: -0.0171
F-statistic: 0.05859 on 1 and 55 DF, p-value: 0.8096

Call:

```
lm(formula = MoM.Growth ~ Froze.evictions)
```

Residuals:

Min	1Q	Median	3Q	Max
-203.38	-102.41	-30.00	77.81	559.79

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	214.683	27.394	7.837	1.61e-10 ***
Froze.evictions	2.208	37.146	0.059	0.953

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

Residual standard error: 139.7 on 55 degrees of freedom
Multiple R-squared: 6.421e-05, Adjusted R-squared: -0.01812
F-statistic: 0.003532 on 1 and 55 DF, p-value: 0.9528

Call:

```
lm(formula = cases_MAR_to_APR ~ Ordered.freezing.utility.shut.off)
```

Residuals:

Min	1Q	Median	3Q	Max
-18994	-11865	-6152	8177	77374

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	20426.19	4602.92	4.438	4.41e-05 ***
Ordered.freezing.utility.shut.off	68.48	5494.67	0.012	0.99

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

Residual standard error: 18980 on 55 degrees of freedom
Multiple R-squared: 2.824e-06, Adjusted R-squared: -0.01818
F-statistic: 0.0001553 on 1 and 55 DF, p-value: 0.9901

Call:

```
lm(formula = cases_APR_to_MAY ~ Ordered.freezing.utility.shut.off)
```

Residuals:

Min	1Q	Median	3Q	Max
-208.85	-102.16	-19.67	47.21	669.80

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	212.69	39.07	5.444	1.25e-06 ***
Ordered.freezing.utility.shut.off	-33.50	46.64	-0.718	0.476

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

Residual standard error: 161.1 on 55 degrees of freedom
Multiple R-squared: 0.00929, Adjusted R-squared: -0.008723
F-statistic: 0.5157 on 1 and 55 DF, p-value: 0.4757

Call:

```
lm(formula = percentage_infected_MAY ~ Ordered.freezing.utility.shut.off)
```

Residuals:

	Min	1Q	Median	3Q	Max
	-4.2249	-2.4646	-0.7846	0.5994	13.6267

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	2.0706	0.8897	2.327	0.0237 *
Ordered.freezing.utility.shut.off	2.3431	1.0621	2.206	0.0316 *

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

Residual standard error: 3.668 on 55 degrees of freedom
Multiple R-squared: 0.0813, Adjusted R-squared: 0.0646
F-statistic: 4.867 on 1 and 55 DF, p-value: 0.03157

Call:

lm(formula = YoY.Growth ~ Ordered.freezing.utility.shut.off)

Residuals:

	Min	1Q	Median	3Q	Max
	-249.30	-88.31	-0.55	36.44	405.81

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	262.99	30.33	8.671	7.14e-12 ***
Ordered.freezing.utility.shut.off	-20.48	36.21	-0.566	0.574

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

Residual standard error: 125.1 on 55 degrees of freedom
Multiple R-squared: 0.005785, Adjusted R-squared: -0.01229
F-statistic: 0.32 on 1 and 55 DF, p-value: 0.5739

Call:

lm(formula = MoM.Growth ~ Ordered.freezing.utility.shut.off)

Residuals:

	Min	1Q	Median	3Q	Max
	-228.61	-98.91	-20.05	75.53	534.56

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	242.12	33.61	7.203	1.75e-09 ***
Ordered.freezing.utility.shut.off	-37.39	40.13	-0.932	0.356

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

Residual standard error: 138.6 on 55 degrees of freedom
Multiple R-squared: 0.01554, Adjusted R-squared: -0.002358
F-statistic: 0.8683 on 1 and 55 DF, p-value: 0.3555

Call:

lm(formula = cases_MAR_to_APR ~ Public.Face.Mask.Mandate)

Residuals:

	Min	1Q	Median	3Q	Max
	-18166	-12795	-5603	5079	79330

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	18470	3043	6.070	1.24e-07 ***
Public.Face.Mask.Mandate	6013	5270	1.141	0.259

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

Residual standard error: 18760 on 55 degrees of freedom
Multiple R-squared: 0.02312, Adjusted R-squared: 0.00536
F-statistic: 1.302 on 1 and 55 DF, p-value: 0.2588

Call:

```

Call:
lm(formula = cases_APR_to_MAY ~ Public.Face.Mask.Mandate)

Residuals:
    Min       1Q   Median       3Q      Max
-194.88  -90.91  -19.99   36.82  683.77

Coefficients:
              Estimate Std. Error t value Pr(>|t|)
(Intercept)      198.73     26.16   7.596 3.98e-10 ***
Public.Face.Mask.Mandate    -28.62     45.31  -0.632    0.53
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 161.3 on 55 degrees of freedom
Multiple R-squared:  0.007204, Adjusted R-squared:  -0.01085
F-statistic: 0.3991 on 1 and 55 DF,  p-value: 0.5302

Call:
lm(formula = percentage_infected_MAY ~ Public.Face.Mask.Mandate)

Residuals:
    Min       1Q   Median       3Q      Max
 -6.2603  -1.4445  -0.3986   1.1224  11.5912

Coefficients:
              Estimate Std. Error t value Pr(>|t|)
(Intercept)       2.3478     0.5325   4.409 4.86e-05 ***
Public.Face.Mask.Mandate    4.1015     0.9223   4.447 4.27e-05 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 3.282 on 55 degrees of freedom
Multiple R-squared:  0.2645, Adjusted R-squared:  0.2511
F-statistic: 19.78 on 1 and 55 DF,  p-value: 4.274e-05

Call:
lm(formula = YoY.Growth ~ Public.Face.Mask.Mandate)

Residuals:
    Min       1Q   Median       3Q      Max
-222.36  -63.65  -11.97   64.25  391.43

Coefficients:
              Estimate Std. Error t value Pr(>|t|)
(Intercept)      234.24     20.07  11.673 <2e-16 ***
Public.Face.Mask.Mandate    43.13     34.76   1.241    0.22
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 123.7 on 55 degrees of freedom
Multiple R-squared:  0.02723, Adjusted R-squared:  0.009544
F-statistic:  1.54 on 1 and 55 DF,  p-value: 0.2199

Call:
lm(formula = MoM.Growth ~ Public.Face.Mask.Mandate)

Residuals:
    Min       1Q   Median       3Q      Max
-195.54  -92.98  -25.16   72.11  539.10

Coefficients:
              Estimate Std. Error t value Pr(>|t|)
(Intercept)      205.03     22.52   9.105 1.43e-12 ***
Public.Face.Mask.Mandate    32.55     39.00   0.834    0.408
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 138.8 on 55 degrees of freedom

```

Residual standard error: 18970 on 55 degrees of freedom
Multiple R-squared: 0.0125, Adjusted R-squared: -0.005452
F-statistic: 0.6963 on 1 and 55 DF, p-value: 0.4076

Call:
lm(formula = cases_MAR_to_APR ~ Employee.Face.Mask.Mandate)

Residuals:

Min	1Q	Median	3Q	Max
-19357	-12196	-6516	8142	78093

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	19707	4352	4.528	3.24e-05 ***
Employee.Face.Mask.Mandate	1151	5330	0.216	0.83

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

Residual standard error: 18970 on 55 degrees of freedom
Multiple R-squared: 0.0008469, Adjusted R-squared: -0.01732
F-statistic: 0.04662 on 1 and 55 DF, p-value: 0.8299

Call:
lm(formula = cases_APR_to_MAY ~ Employee.Face.Mask.Mandate)

Residuals:

Min	1Q	Median	3Q	Max
-180.06	-104.00	-21.08	46.34	682.59

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	167.74	36.96	4.538	3.13e-05 ***
Employee.Face.Mask.Mandate	32.17	45.27	0.711	0.48

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

Residual standard error: 161.1 on 55 degrees of freedom
Multiple R-squared: 0.009097, Adjusted R-squared: -0.00892
F-statistic: 0.5049 on 1 and 55 DF, p-value: 0.4803

Call:
lm(formula = percentage_infected_MAY ~ Employee.Face.Mask.Mandate)

Residuals:

Min	1Q	Median	3Q	Max
-4.1693	-2.3020	-0.9303	0.5581	13.4276

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	1.9191	0.8264	2.322	0.0240 *
Employee.Face.Mask.Mandate	2.6938	1.0122	2.661	0.0102 *

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

Residual standard error: 3.602 on 55 degrees of freedom
Multiple R-squared: 0.1141, Adjusted R-squared: 0.09798
F-statistic: 7.083 on 1 and 55 DF, p-value: 0.01018

Call:
lm(formula = YoY.Growth ~ Employee.Face.Mask.Mandate)

Residuals:

Min	1Q	Median	3Q	Max
-185.98	-95.02	-11.62	71.15	395.71

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	199.67	27.62	7.231	1.58e-09 ***
Employee.Face.Mask.Mandate	73.42	33.82	2.171	0.0343 *

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

Residual standard error: 120.4 on 55 degrees of freedom
Multiple R-squared: 0.07891, Adjusted R-squared: 0.06216
F-statistic: 4.712 on 1 and 55 DF, p-value: 0.03429

Call:
lm(formula = MoM.Growth ~ Employee.Face.Mask.Mandate)

Residuals:

Min	1Q	Median	3Q	Max
-166.18	-91.50	-39.15	78.18	542.70

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	179.70	31.48	5.708	4.75e-07 ***
Employee.Face.Mask.Mandate	54.28	38.56	1.408	0.165

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

Residual standard error: 137.2 on 55 degrees of freedom
Multiple R-squared: 0.03478, Adjusted R-squared: 0.01723
F-statistic: 1.982 on 1 and 55 DF, p-value: 0.1648

Call:
lm(formula = cases_MAR_to_APR ~ Travel.Restriction)

Residuals:

Min	1Q	Median	3Q	Max
-22691	-11369	-5975	7258	73608

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	24192	3212	7.532	5.08e-10 ***
Travel.Restriction	-8830	4950	-1.784	0.08 .

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

Residual standard error: 18450 on 55 degrees of freedom
Multiple R-squared: 0.05469, Adjusted R-squared: 0.0375
F-statistic: 3.182 on 1 and 55 DF, p-value: 0.07997

Call:
lm(formula = cases_APR_to_MAY ~ Travel.Restriction)

Residuals:

Min	1Q	Median	3Q	Max
-170.04	-107.32	-36.00	38.46	658.01

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	224.48	27.20	8.252	3.39e-11 ***
Travel.Restriction	-83.83	41.92	-2.000	0.0505 .

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

Residual standard error: 156.3 on 55 degrees of freedom
Multiple R-squared: 0.06778, Adjusted R-squared: 0.05083
F-statistic: 3.999 on 1 and 55 DF, p-value: 0.05048

Call:
lm(formula = percentage_infected_MAY ~ Travel.Restriction)

Residuals:

Min	1Q	Median	3Q	Max
-4.1030	-1.8381	-0.7416	0.1346	13.0979

Coefficients:


```

Coefficients:
              Estimate Std. Error t value Pr(>|t|)
(Intercept)      4.9426    0.6155   8.031 7.78e-11 ***
Travel.Restriction -2.9156    0.9485  -3.074 0.00329 **
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 3.536 on 55 degrees of freedom
Multiple R-squared:  0.1466, Adjusted R-squared:  0.1311
F-statistic: 9.449 on 1 and 55 DF, p-value: 0.003285

```

```

Call:
lm(formula = YoY.Growth ~ Travel.Restriction)

```

```

Residuals:
    Min       1Q   Median       3Q      Max
-220.14  -80.06   -0.21   45.11  434.96

```

```

Coefficients:
              Estimate Std. Error t value Pr(>|t|)
(Intercept)      259.37    21.72  11.942 <2e-16 ***
Travel.Restriction  -25.53    33.47  -0.763   0.449
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 124.8 on 55 degrees of freedom
Multiple R-squared:  0.01046, Adjusted R-squared:  -0.007528
F-statistic: 0.5816 on 1 and 55 DF, p-value: 0.449

```

```

Call:
lm(formula = MoM.Growth ~ Travel.Restriction)

```

```

Residuals:
    Min       1Q   Median       3Q      Max
-190.56 -100.81  -37.74   82.70  572.60

```

```

Coefficients:
              Estimate Std. Error t value Pr(>|t|)
(Intercept)      224.47    24.25   9.256 8.25e-13 ***
Travel.Restriction  -20.39    37.37  -0.546   0.588
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 139.3 on 55 degrees of freedom
Multiple R-squared:  0.005384, Adjusted R-squared:  -0.0127
F-statistic: 0.2977 on 1 and 55 DF, p-value: 0.5875

```

```

Call:
lm(formula = cases_MAR_to_APR ~ Large.Gathering.ban)

```

```

Residuals:
    Min       1Q   Median       3Q      Max
-18689 -11560  -5848   7998  77610

```

```

Coefficients:
              Estimate Std. Error t value Pr(>|t|)
(Intercept)      36400    18854   1.931  0.0587 .
Large.Gathering.ban -16210    19022  -0.852   0.3978
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 18850 on 55 degrees of freedom
Multiple R-squared:  0.01303, Adjusted R-squared:  -0.004913
F-statistic: 0.7262 on 1 and 55 DF, p-value: 0.3978

```

```

Call:
lm(formula = cases_APR_to_MAY ~ Large.Gathering.ban)

```

```

Residuals:

```

	Min	1Q	Median	3Q	Max
	-183.17	-89.83	-13.86	44.46	696.76

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	382.5	159.7	2.395	0.0201 *
Large.Gathering.ban	-196.7	161.1	-1.221	0.2273

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

Residual standard error: 159.7 on 55 degrees of freedom
Multiple R-squared: 0.02639, Adjusted R-squared: 0.008689
F-statistic: 1.491 on 1 and 55 DF, p-value: 0.2273

Call:

lm(formula = percentage_infected_MAY ~ Large.Gathering.ban)

Residuals:

	Min	1Q	Median	3Q	Max
	-3.5511	-2.1195	-1.4205	0.7128	14.3004

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	2.311	3.823	0.605	0.548
Large.Gathering.ban	1.429	3.856	0.371	0.712

Residual standard error: 3.823 on 55 degrees of freedom
Multiple R-squared: 0.002491, Adjusted R-squared: -0.01565
F-statistic: 0.1373 on 1 and 55 DF, p-value: 0.7124

Call:

lm(formula = YoY.Growth ~ Large.Gathering.ban)

Residuals:

	Min	1Q	Median	3Q	Max
	-234.58	-77.69	5.86	50.21	420.52

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	267.57	125.40	2.134	0.0373 *
Large.Gathering.ban	-19.29	126.51	-0.153	0.8793

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

Residual standard error: 125.4 on 55 degrees of freedom
Multiple R-squared: 0.0004227, Adjusted R-squared: -0.01775
F-statistic: 0.02326 on 1 and 55 DF, p-value: 0.8793

Call:

lm(formula = MoM.Growth ~ Large.Gathering.ban)

Residuals:

	Min	1Q	Median	3Q	Max
	-200.36	-99.39	-29.19	66.38	562.81

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	328.3	138.8	2.365	0.0216 *
Large.Gathering.ban	-114.5	140.1	-0.817	0.4174

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

Residual standard error: 138.8 on 55 degrees of freedom
Multiple R-squared: 0.01199, Adjusted R-squared: -0.005971
F-statistic: 0.6676 on 1 and 55 DF, p-value: 0.4174

Call:

lm(formula = cases_MAR_to_APR ~ Employee.Screening)

Residuals:

	Min	1Q	Median	3Q	Max
	-20390	-11897	-6919	6880	74303

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	23497	3922	5.991	1.66e-07 ***
Employee.Screening	-5067	5078	-0.998	0.323

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

Residual standard error: 18810 on 55 degrees of freedom

Multiple R-squared: 0.01778, Adjusted R-squared: -7.606e-05

F-statistic: 0.9957 on 1 and 55 DF, p-value: 0.3227

Call:

lm(formula = cases_APR_to_MAY ~ Employee.Screening)

Residuals:

	Min	1Q	Median	3Q	Max
	-216.43	-94.25	-12.90	48.52	663.50

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	219.00	33.34	6.568	1.92e-08 ***
Employee.Screening	-49.98	43.17	-1.158	0.252

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

Residual standard error: 159.9 on 55 degrees of freedom

Multiple R-squared: 0.02379, Adjusted R-squared: 0.006036

F-statistic: 1.34 on 1 and 55 DF, p-value: 0.252

Call:

lm(formula = percentage_infected_MAY ~ Employee.Screening)

Residuals:

	Min	1Q	Median	3Q	Max
	-3.709	-2.220	-1.403	1.035	14.125

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	3.4182	0.7964	4.292	7.23e-05 ***
Employee.Screening	0.4975	1.0311	0.482	0.631

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

Residual standard error: 3.819 on 55 degrees of freedom

Multiple R-squared: 0.004215, Adjusted R-squared: -0.01389

F-statistic: 0.2328 on 1 and 55 DF, p-value: 0.6314

Call:

lm(formula = YoY.Growth ~ Employee.Screening)

Residuals:

	Min	1Q	Median	3Q	Max
	-257.48	-91.87	-10.35	55.55	397.63

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	215.27	25.50	8.443	1.66e-11 ***
Employee.Screening	55.90	33.01	1.693	0.096 .

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

Residual standard error: 122.3 on 55 degrees of freedom

Multiple R-squared: 0.04955, Adjusted R-squared: 0.03227

F-statistic: 2.868 on 1 and 55 DF, p-value: 0.09604

```
Call:
lm(formula = MoM.Growth ~ Employee.Screening)
```

Residuals:

Min	1Q	Median	3Q	Max
-218.98	-88.18	-46.25	85.46	544.19

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	191.33	28.81	6.641	1.46e-08 ***
Employee.Screening	41.16	37.30	1.104	0.275

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

Residual standard error: 138.2 on 55 degrees of freedom
Multiple R-squared: 0.02166, Adjusted R-squared: 0.003874
F-statistic: 1.218 on 1 and 55 DF, p-value: 0.2746

In [0]:

```
rating <- read.csv("./rating.csv")
```

In [0]:

```
rating
```

A data.frame: 15 × 3

Policy	Effectiveness	Impact.on.Labour.Market
<fct>	<dbl>	<dbl>
Ordered Closure of K-12 schools	-2.0	0.0
Closed daycares	-1.0	1.0
Banned visits to long-term care homes	-0.5	-0.5
Closed non-essential businesses	0.0	-1.0
Closed restaurants except take out	-0.5	0.0
Closed cannabis and liquor stores	-2.5	-2.0
Closed gyms	0.5	0.5
Closed movie theaters	0.5	-1.5
Froze evictions	0.0	0.5
Ordered freezing utility shut offs	0.0	1.0
Public Face Mask Mandate	2.0	-1.5
Employee Face Mask Mandate	0.0	-1.5
Travel Restriction	2.5	1.0
Large Gathering ban	1.5	1.5
Employee Screening	1.0	-1.5

In [0]:

```
# install.packages("ggrepel")
library(ggrepel)

jpeg("rating.jpeg", width = 1500, height = 1500, res=200)

rating %>% ggplot(aes(x = Effectiveness, y = Impact.on.Labour.Market, label= Policy)) +
  geom_point(size = 4) +
  geom_label_repel() +
```

```
xlim(-2, 2) +  
ylim(-2, 2)
```

```
dev.off()
```

Warning message:

"Removed 2 rows containing missing values (geom_point)."

Warning message:

"Removed 2 rows containing missing values (geom_label_repel)."

png: 2