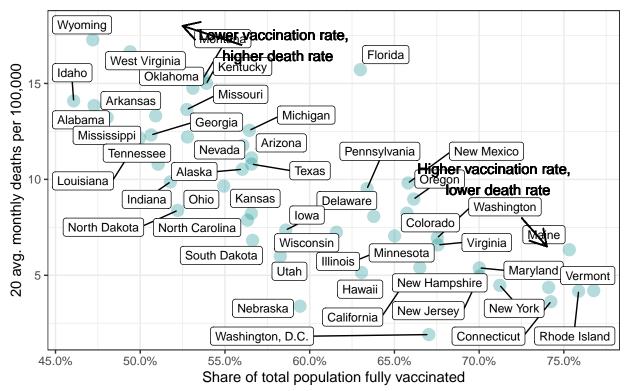
## Mappeoppgave 2

```
library(rjson)
## Warning: package 'rjson' was built under R version 4.1.2
library(tidyverse)
## -- Attaching packages -----
                                        ----- tidyverse 1.3.1 --
## v ggplot2 3.3.5 v purrr
                               0.3.4
## v tibble 3.1.6 v dplyr 1.0.7
## v tidyr 1.1.4 v stringr 1.4.0
## v readr 2.1.1 v forcats 0.5.1
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag() masks stats::lag()
library(ggplot2)
library(ggrepel)
## Laster inn nødvendig data med linken under.
df <- "https://static01.nyt.com/newsgraphics/2021/12/20/us-coronavirus-deaths-2021/ff0adde21623e111d8ce
df <- fromJSON(paste(readLines(df), collapse=""))</pre>
## Warning in readLines(df): incomplete final line found on 'https://
## static01.nyt.com/newsgraphics/2021/12/20/us-coronavirus-deaths-2021/
## ff0adde21623e111d8ce103fedecf7ffc7906264/scatter.json'
df <- do.call(rbind.data.frame, df)</pre>
## OPPGAVE 1
## lager plot
p1 <- ggplot(df, aes( x = fully_vaccinated_pct_of_pop, y = deaths_per_100k)) +
  geom_point(col = "darkcyan" , size = 4, alpha = 0.3) +
  geom_label_repel(aes(label = name), size = 3) +
  scale_x_continuous(labels=scales::percent,
                   breaks = seq(from = 0, to = 1, by = 0.05)) +
  labs(title = "Covid-19 deaths since universal adult vaccine eligibility copmared with \n vaccination
      x = "Share of total population fully vaccinated",
```

## Warning: ggrepel: 2 unlabeled data points (too many overlaps). Consider ## increasing max.overlaps

## Covid–19 deaths since universal adult vaccine eligibility copmared with vaccination rates



```
## OPPGAVE 2
lm(deaths_per_100k ~ fully_vaccinated_pct_of_pop, data = df)

##
## Call:
## lm(formula = deaths_per_100k ~ fully_vaccinated_pct_of_pop, data = df)
##
## Coefficients:
## (Intercept) fully_vaccinated_pct_of_pop
## 31.15 -36.66
```

```
## y-verdien viser 31.15, mens x-verdien er fallende og viser -36.66. Geom_smooth funksjonen brukes ti
p1 + geom_smooth(method = lm, se = FALSE)

## 'geom_smooth()' using formula 'y ~ x'

## Warning: ggrepel: 2 unlabeled data points (too many overlaps). Consider
```

Covid–19 deaths since universal adult vaccine eligibility copmared with vaccination rates

## increasing max.overlaps

