

Utfordring 4

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```
library(tidyverse)
```

```
## Warning: package 'tidyverse' was built under R version 4.1.2
```

```
## -- Attaching packages ----- tidyverse 1.3.2 --
## v ggplot2 3.3.6      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
```

```
## Warning: package 'ggplot2' was built under R version 4.1.2
```

```
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()     masks stats::lag()
```

```
library(ggplot2)
```

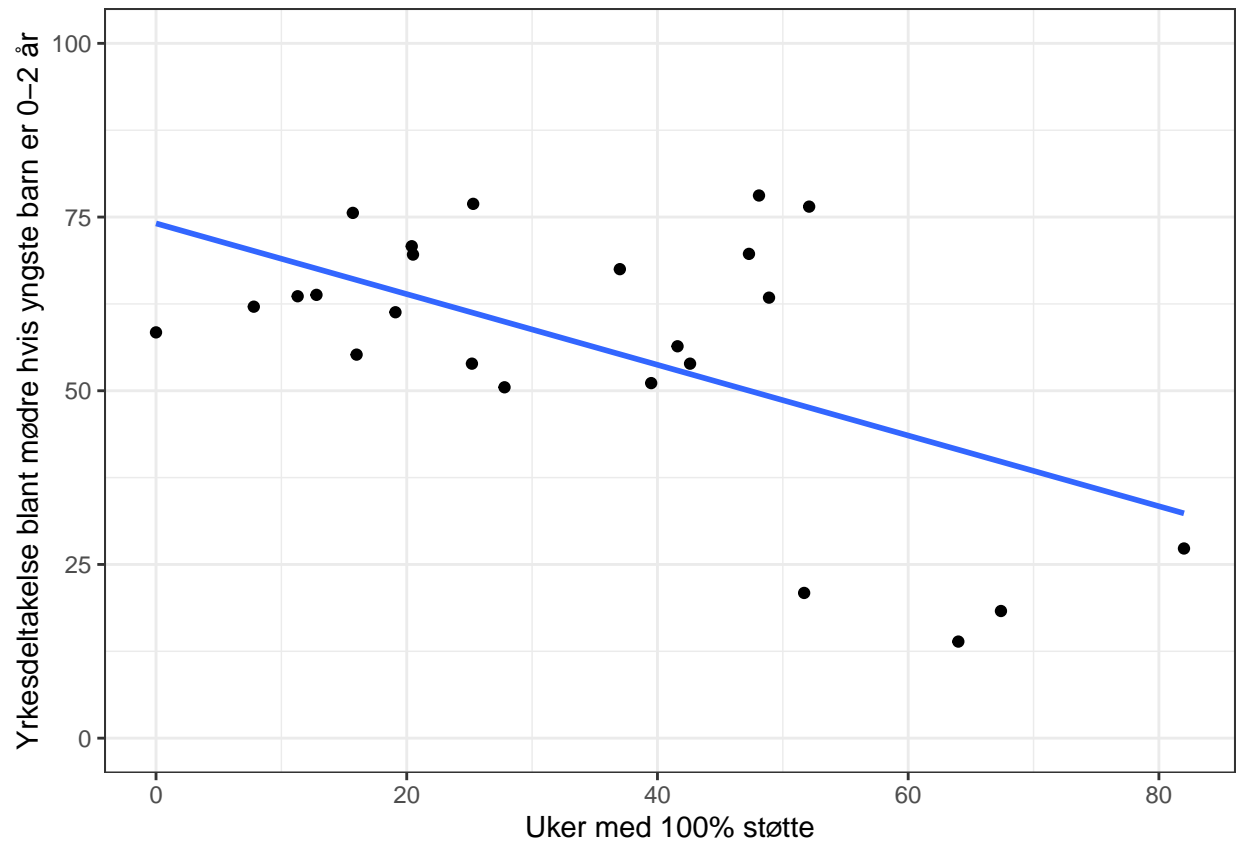
```
women<-read.csv2("women.csv")
```

```
women$tot_full_rate<-as.numeric(women$tot_full_rate)
women$fem_emp_rate_0_2<-as.numeric(women$fem_emp_rate_0_2)
women$fem_emp_rate_6_14<-as.numeric(women$fem_emp_rate_6_14)
```

```
View(women)
```

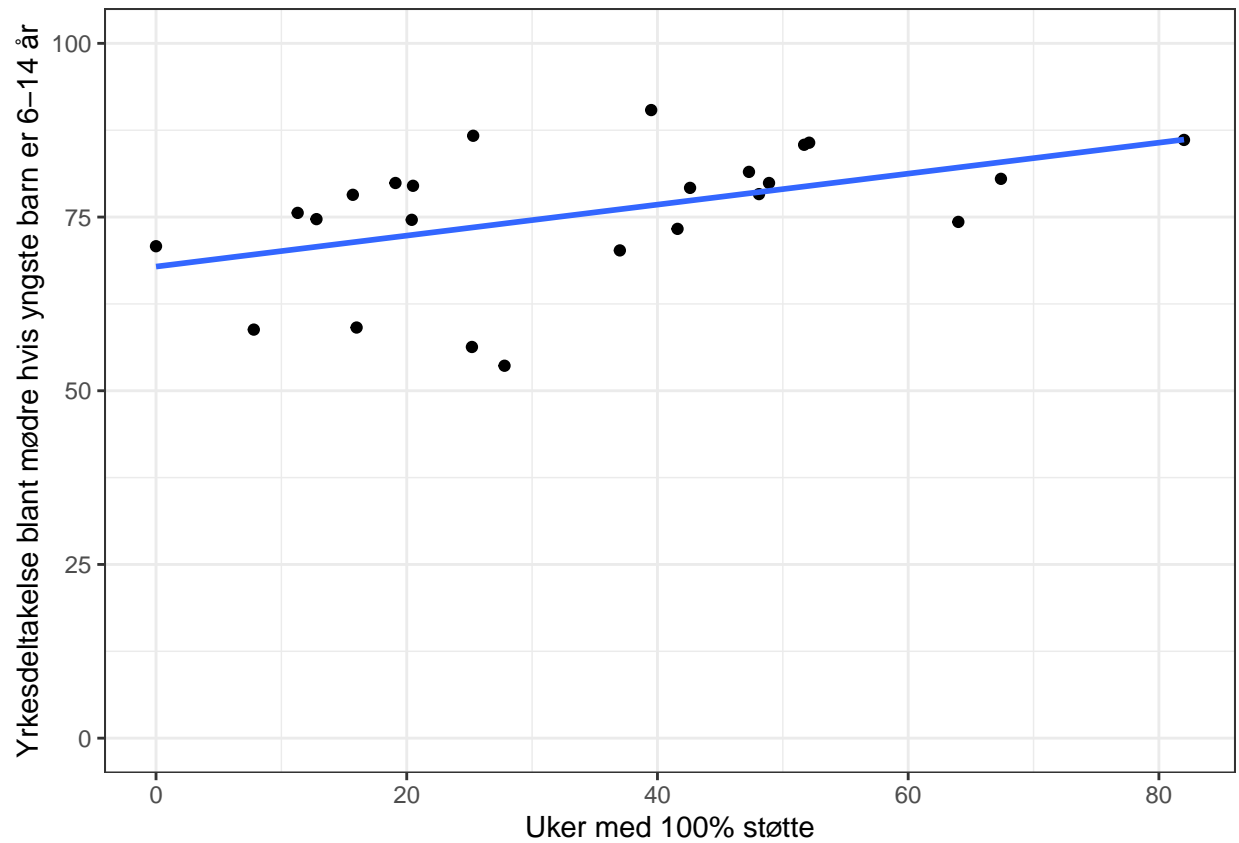
```
Barn_0_til_2 <-ggplot(data = women,aes(x=tot_full_rate,y=fem_emp_rate_0_2))+
  geom_point()+
  ylim(0, 100)+
  labs(x ="Uker med 100% støtte", y = "Yrkesdeltakelse blant mødre hvis yngste barn er 0-2 år")+
  geom_smooth(method=lm, se=FALSE) -> kids_0_2
Barn_0_til_2 + theme_bw()
```

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



```
Barn_6_til_14 <-ggplot(data = women, aes(x=tot_full_rate,y=fem_emp_rate_6_14))+
  geom_point()+
  ylim(0, 100)+
  labs(x ="Uker med 100% støtte", y = "Yrkesdeltakelse blant mødre hvis yngste barn er 6-14 år")+
  geom_smooth(method=lm, se=FALSE) -> kids_6_14
Barn_6_til_14 + theme_bw()
```

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



```
library(gridExtra)
```

```
##
## Attaching package: 'gridExtra'
##
## The following object is masked from 'package:dplyr':
##
##   combine
```

```
library(grid)
grid.arrange(kids_0_2, kids_6_14, nrow = 1, top = textGrob("Sammenhengen mellom foreldrepermisjons lengde og yrkesdeltakelse"))
```

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

foreldrepermisjons lengde og mødres yrkesdelaktelse

