

Exercise 2.4

2024-02-05

Delopgave 1

Lav en tabel og et søjlediagram over variablen Recid.

```
library(resampledta3)
```

```
##
```

```
## Vedhæfter pakke: 'resampledta3'
```

```
## Det følgende objekt er maskeret fra 'package:datasets':
```

```
##
```

```
## Titanic
```

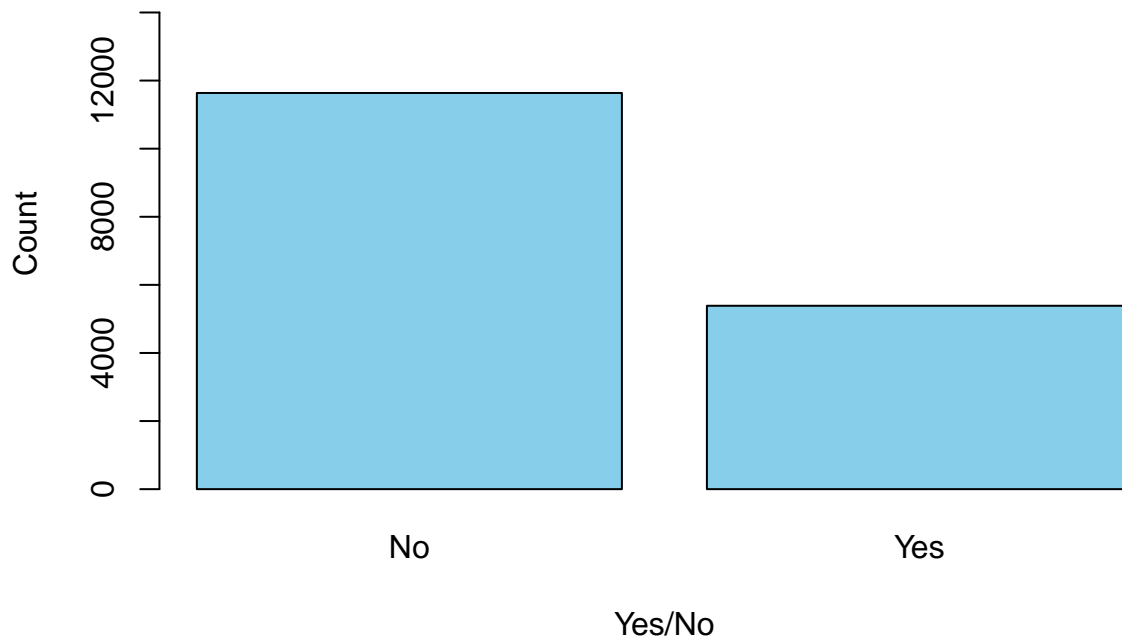
```
table(Recidivism$Recid)
```

```
##
```

```
## No Yes
```

```
## 11636 5386
```

```
barplot(table(Recidivism$Recid), col="skyblue", ylab="Count", xlab="Yes/No", ylim=c(0,15000))
```



Delopgave 2

Lav en kontingenstabel, der opsummerer sammenhængen mellem recidiv (Recid) efter alder (Age25). Af dem under 25 år, hvor stor en andel blev sendt tilbage i fængsel? Af dem over 25 år alder, hvor stor var her andelen af genfængslede?

```
recidivism_by_age <- table(Recidivism$Age25, Recidivism$Recid)
recidivism_by_age
```

```
##
##           No  Yes
## Over 25 9679 4263
## Under 25 1954 1123
```

```
recidivism_by_age[2,1] / (recidivism_by_age[2,1] + recidivism_by_age[2,2])
```

```
## [1] 0.6350341
```

```
recidivism_by_age[1,1] / (recidivism_by_age[1,1] + recidivism_by_age[1,2])
```

```
## [1] 0.6942333
```

Including Plots

You can also embed plots, for example:



Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.