```
library(ggplot2)
library(dplyr)
```

```
##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':
##
##     filter, lag

## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union
```

```
library(crayon)
```

```
##
## Attaching package: 'crayon'

## The following object is masked from 'package:ggplot2':
##
##     %+%
```

```
df <- read.csv("jobs_in_data.csv")

ejeX <- aes(x=job_category, fill=work_setting)

ggplot(df, ejeX ) +
  geom_bar() +
  theme(axis.text.x = element_text
        (size = 9,
          color = "blue",
          face = "italic",
          angle = 320,
          vjust = 0.9,
          hjust = -0.009)
        ) +
  labs(x = "Job Category",
       y = "Count",
       title = "Data Science: Count by job category",
       fill = "work setting"
       ) +
  theme(legend.text = element_text
        (
          color = "red",
          face = "bold"),
         axis.title = element_text(size = 12),
         legend.byrow = FALSE
         )
```

Data Science: Count by job category
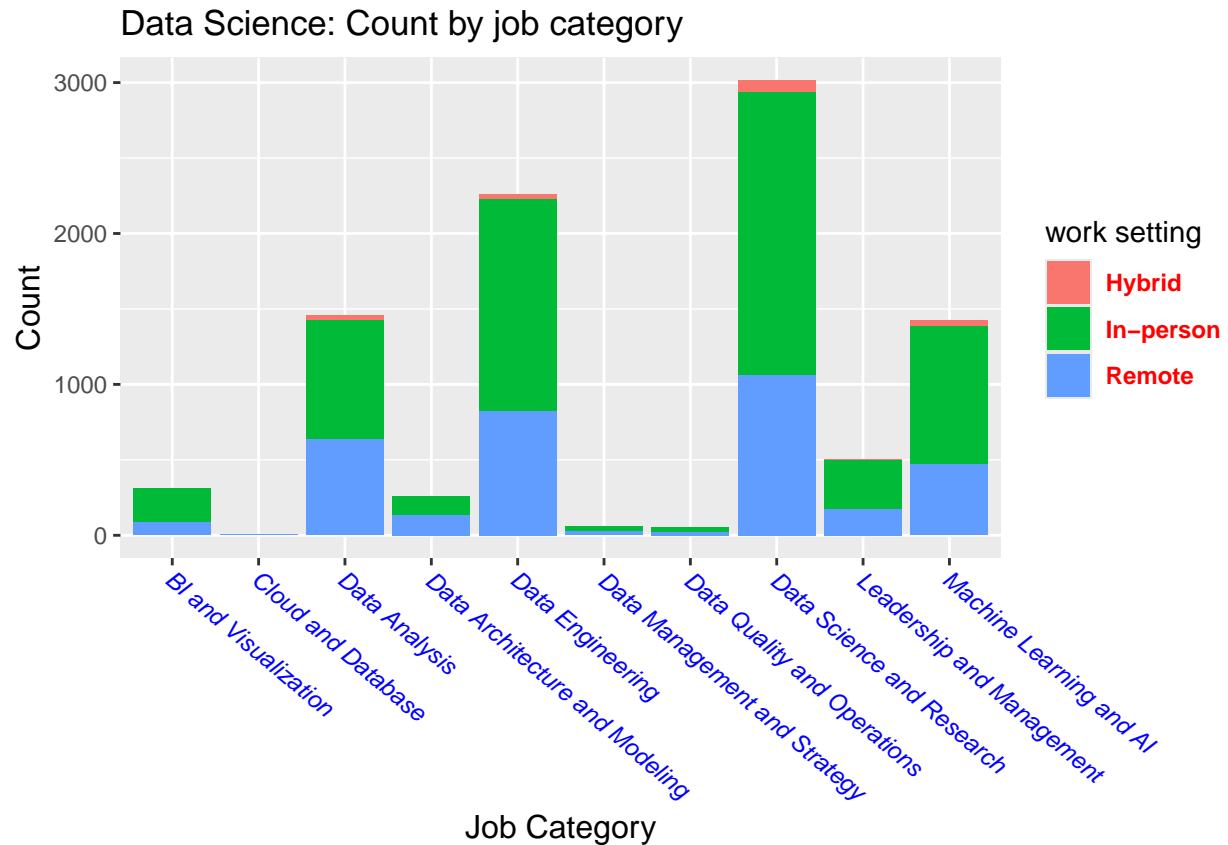

```
ratio.display <- 4/3
par(mar=c(5,4,2,6))

boxPlot <- ggplot(df, aes(x = job_category, y = salary/1000,xlab = "", ylab = "")) +
  geom_boxplot() +
  theme(axis.text.x = element_text
        (size = 9,
          color = "blue",
          face = "italic",
          angle = 320,
          vjust = 0.9,
          hjust = -0.009)
        ) +
  labs(x = "Job Category",
       y = "Anual Salary/1000",
       title = "Data Science: Salary distribution by job category"
       )
boxPlot + coord_fixed(ratio = (6/11)/41)
```

Data Science: Salary distribution by job category
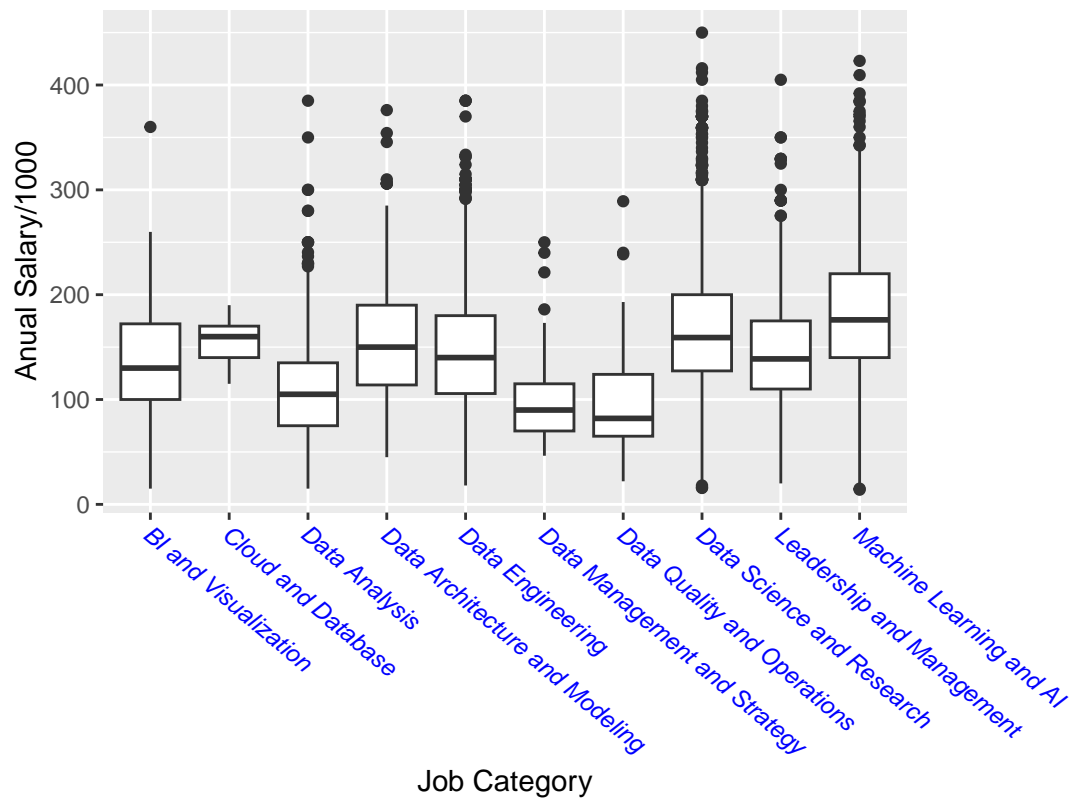

```
ggplot(df, aes(x = experience_level, y = salary)) +
  geom_violin()
```