

# GGPlot2 Tasks

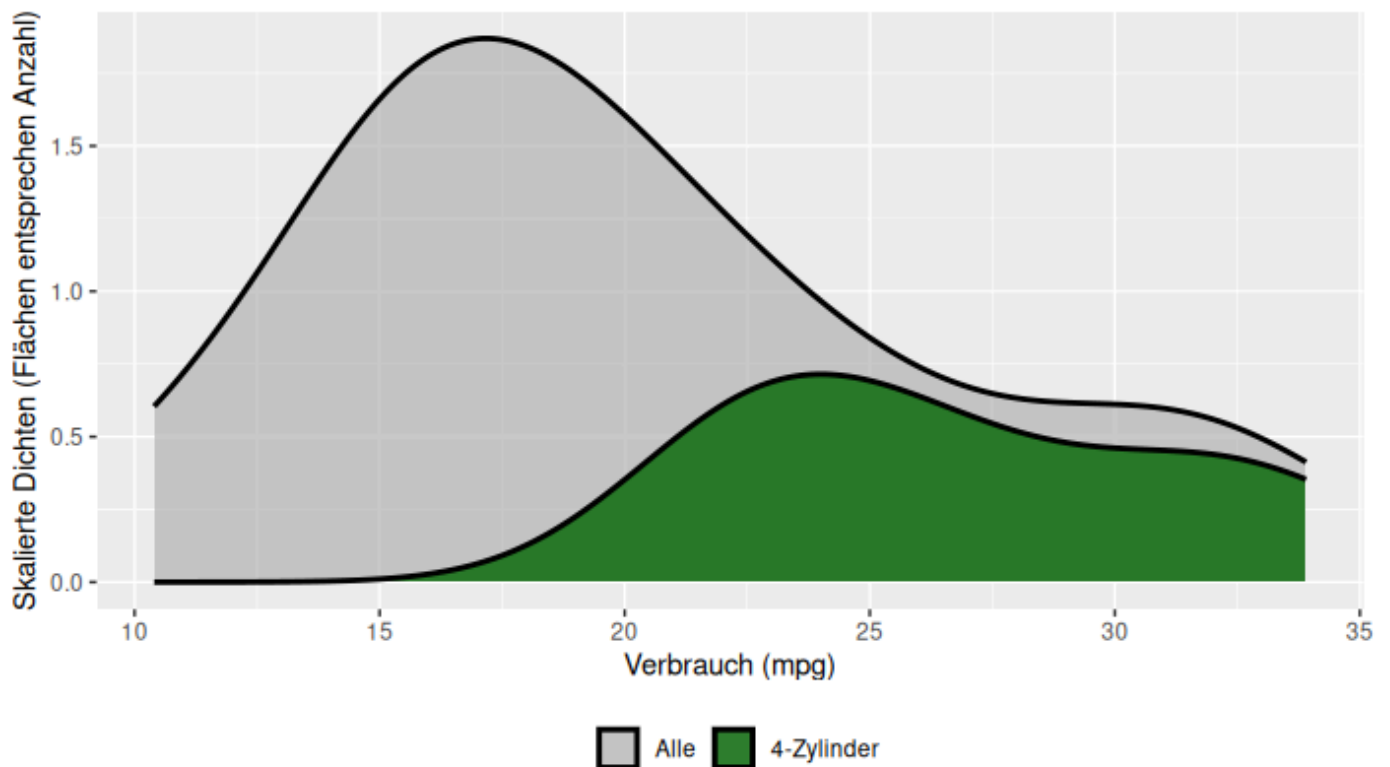
Code ▾

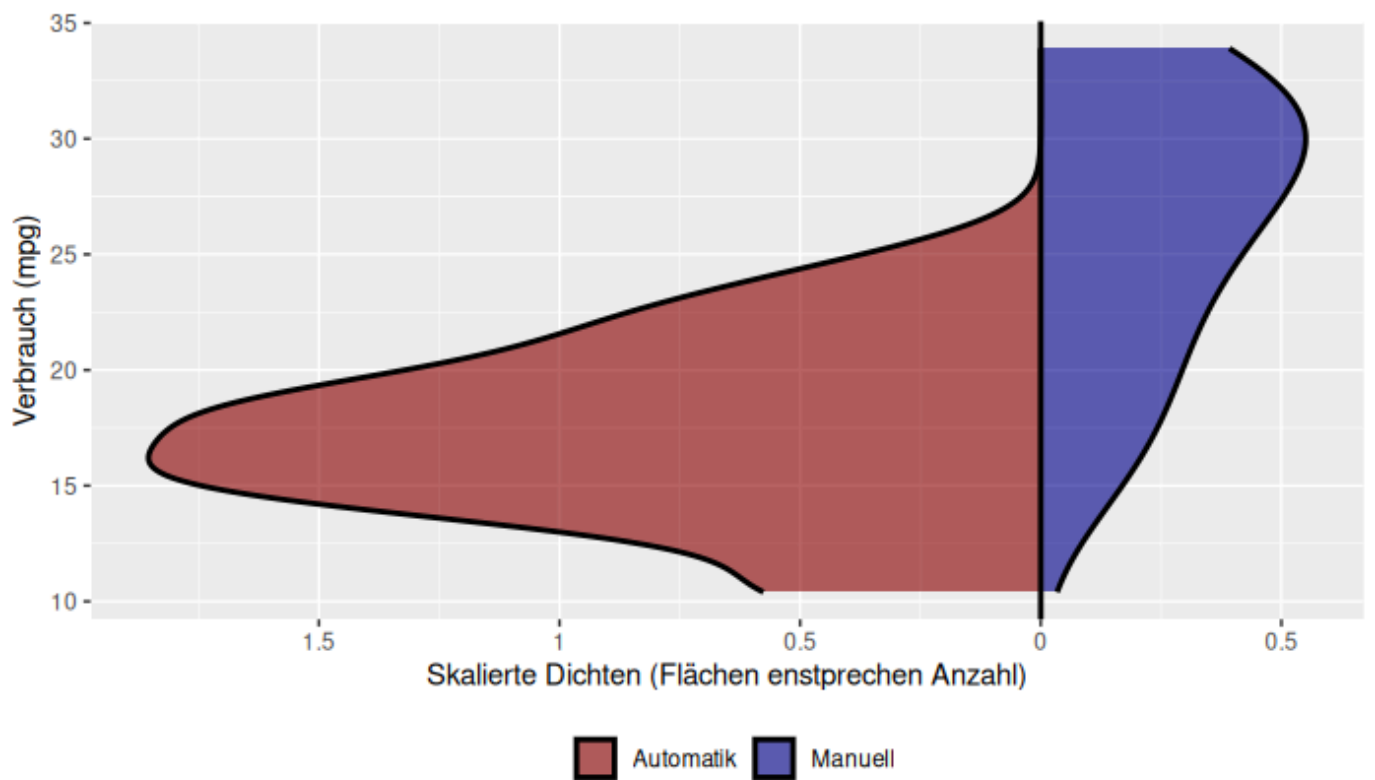
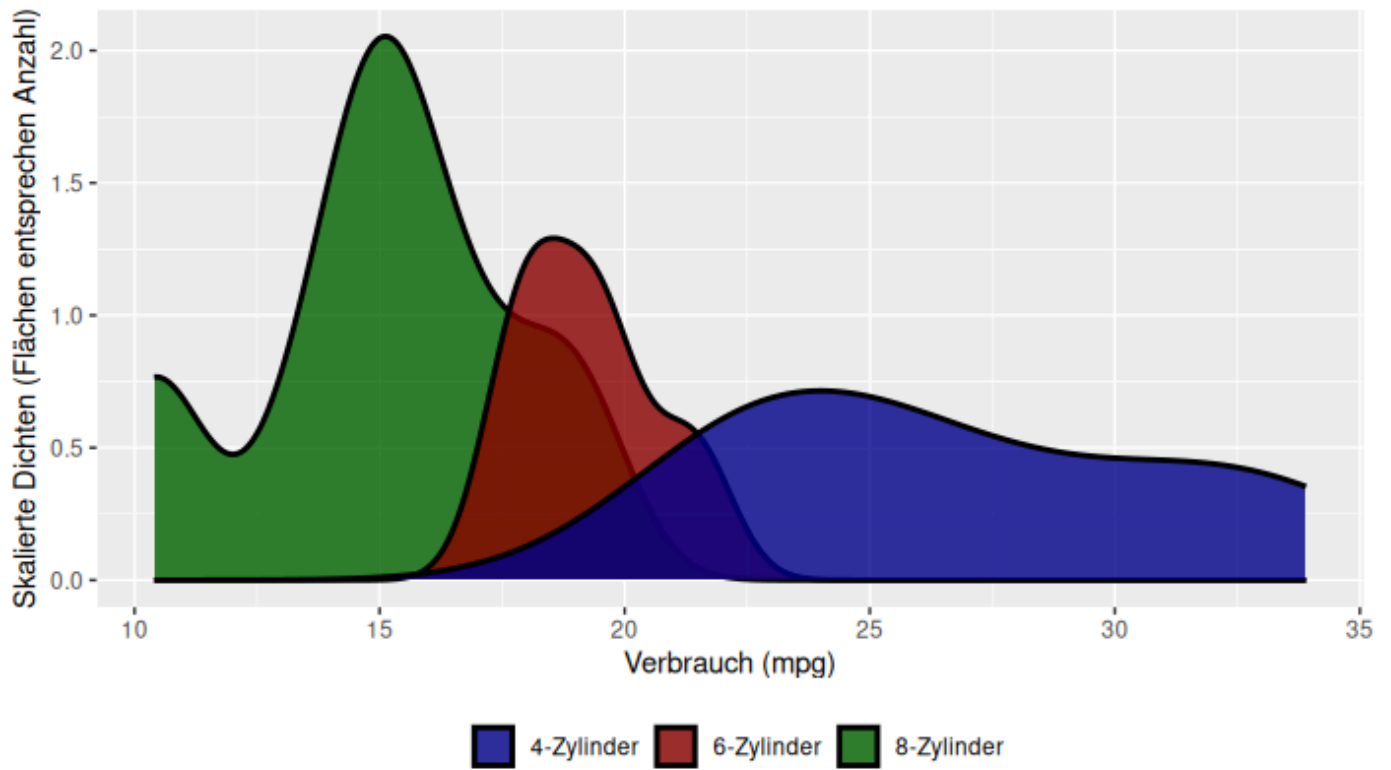
Arno Kimeswenger

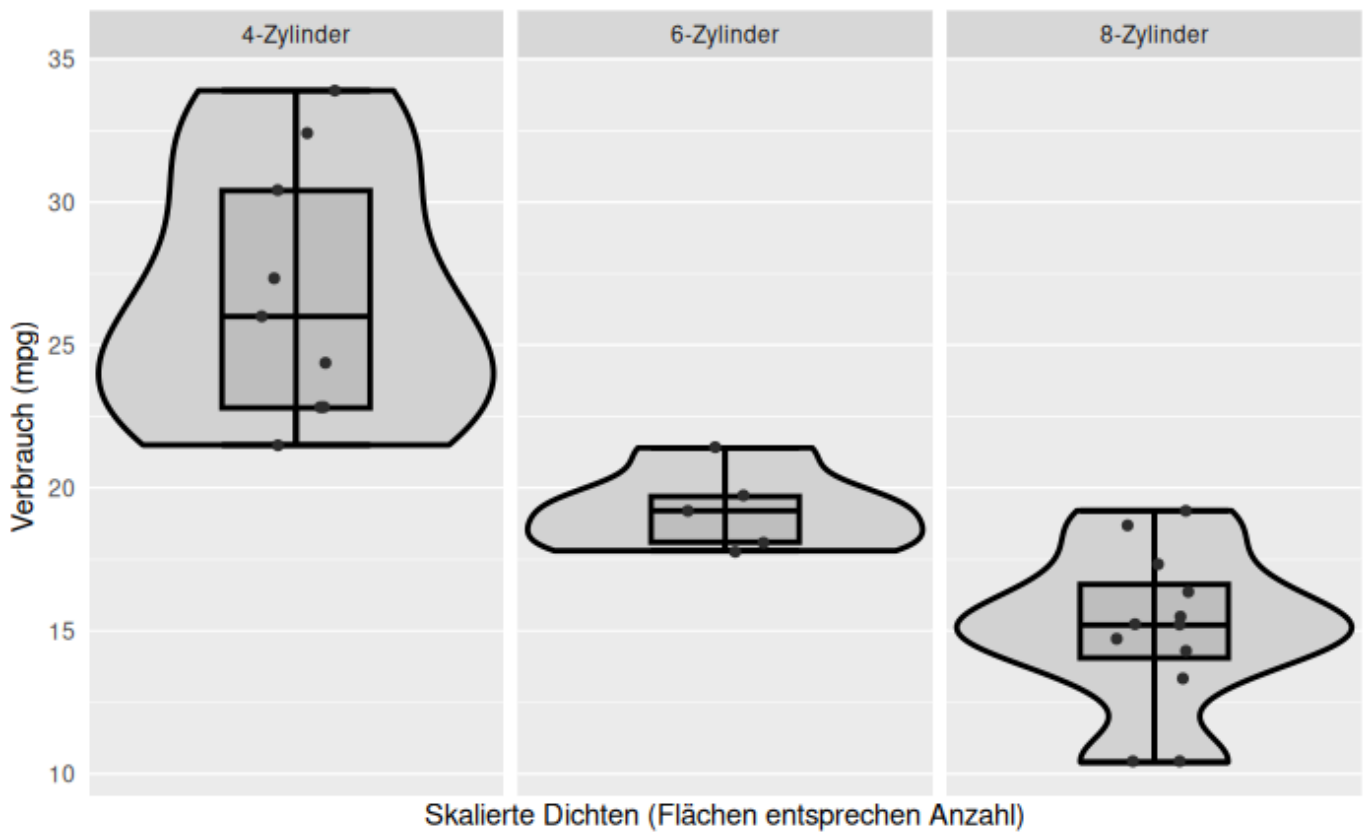
## 1 Plots with mtcars dataset

Read csv file mtcars.csv. Delete extreme values first. Then use ggplot to make the following plots.

### 1.1 Density Plots





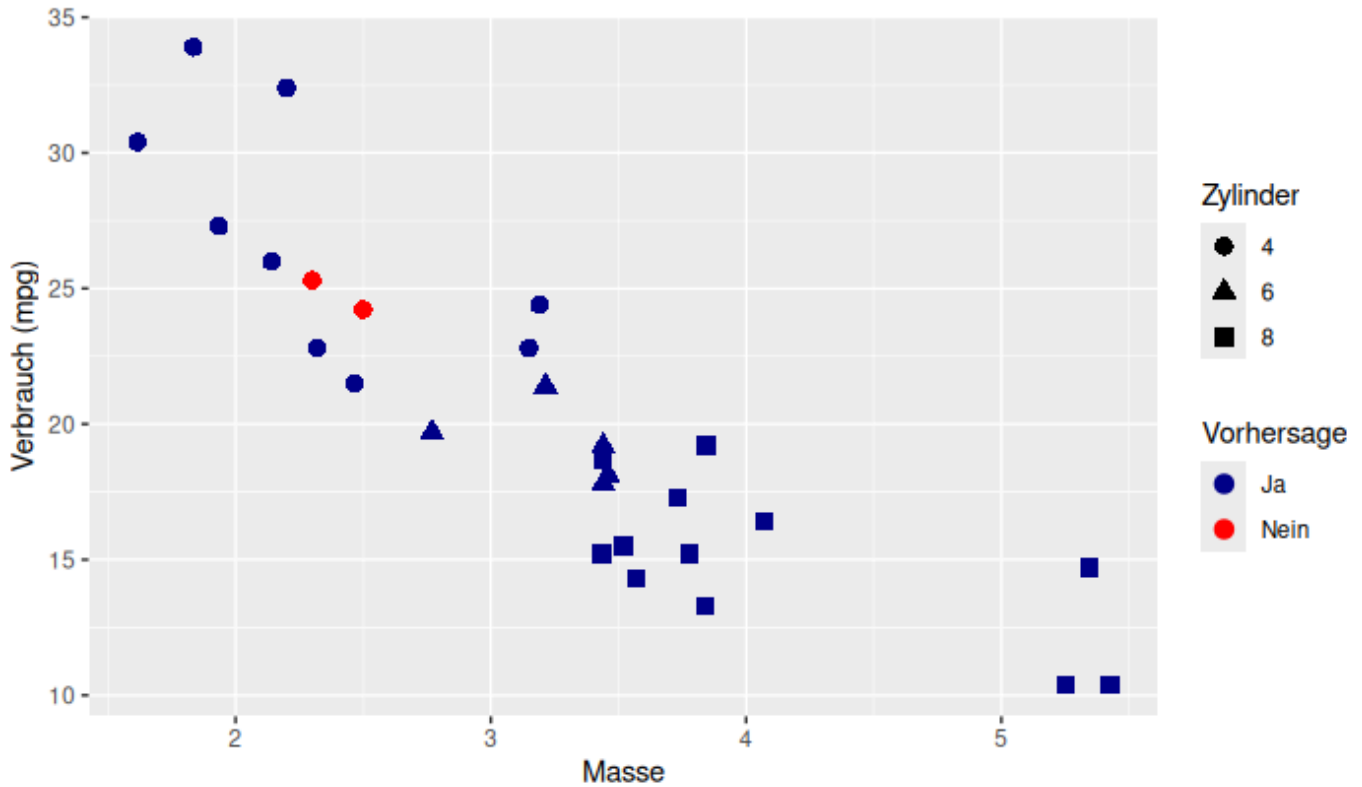


## 1.2 Scatter Plot

Define linear model first: “mpg = a + b \* mass” and make a prediction for the following two observations.

| name  | mpg   | cyl   | hp    | mass  | am    | gear  | prediction |
|-------|-------|-------|-------|-------|-------|-------|------------|
| <chr> | <dbl> | <ord> | <dbl> | <dbl> | <lg>  | <ord> | <lg>       |
| corsa | NA    | 4     | 100   | 2.3   | TRUE  | 5     | TRUE       |
| astra | NA    | 4     | 120   | 2.5   | FALSE | 5     | TRUE       |

2 rows



## 2 Plots with Air\_Passengers dataset

Read csv file Air\_Passengers.csv. Then use ggplot to make the following plots. You can use e.g. `geom_dl` (library("directlabels")) to get labels. Month and year is stored with time, so e.g. 1949.083... means year = 1949 and month = 2.

