

## Lab4 Question 4.0.1

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# Chapter 1

## Introduction

This is an introduction to teach you how get started with **bookdown** on RStudio.

The **bookdown** package can be installed from CRAN or Github:

```
install.packages("bookdown")
```



## Chapter 2

# Sample R Code

```
print(mtcars)
```

```
##           mpg cyl  disp  hp  drat    wt  qsec vs  am  gear  carb
## Mazda RX4      21.0   6 160.0 110  3.90 2.620 16.46 0   1    4    4
## Mazda RX4 Wag  21.0   6 160.0 110  3.90 2.875 17.02 0   1    4    4
## Datsun 710     22.8   4 108.0  93  3.85 2.320 18.61 1   1    4    1
## Hornet 4 Drive  21.4   6 258.0 110  3.08 3.215 19.44 1   0    3    1
## Hornet Sportabout 18.7   8 360.0 175  3.15 3.440 17.02 0   0    3    2
## Valiant        18.1   6 225.0 105  2.76 3.460 20.22 1   0    3    1
## Duster 360     14.3   8 360.0 245  3.21 3.570 15.84 0   0    3    4
## Merc 240D      24.4   4 146.7  62  3.69 3.190 20.00 1   0    4    2
## Merc 230       22.8   4 140.8  95  3.92 3.150 22.90 1   0    4    2
## Merc 280       19.2   6 167.6 123  3.92 3.440 18.30 1   0    4    4
## Merc 280C      17.8   6 167.6 123  3.92 3.440 18.90 1   0    4    4
## Merc 450SE     16.4   8 275.8 180  3.07 4.070 17.40 0   0    3    3
## Merc 450SL     17.3   8 275.8 180  3.07 3.730 17.60 0   0    3    3
## Merc 450SLC    15.2   8 275.8 180  3.07 3.780 18.00 0   0    3    3
## Cadillac Fleetwood 10.4   8 472.0 205  2.93 5.250 17.98 0   0    3    4
## Lincoln Continental 10.4   8 460.0 215  3.00 5.424 17.82 0   0    3    4
## Chrysler Imperial 14.7   8 440.0 230  3.23 5.345 17.42 0   0    3    4
## Fiat 128       32.4   4  78.7  66  4.08 2.200 19.47 1   1    4    1
## Honda Civic    30.4   4  75.7  52  4.93 1.615 18.52 1   1    4    2
## Toyota Corolla 33.9   4  71.1  65  4.22 1.835 19.90 1   1    4    1
## Toyota Corona  21.5   4 120.1  97  3.70 2.465 20.01 1   0    3    1
## Dodge Challenger 15.5   8 318.0 150  2.76 3.520 16.87 0   0    3    2
## AMC Javelin    15.2   8 304.0 150  3.15 3.435 17.30 0   0    3    2
## Camaro Z28     13.3   8 350.0 245  3.73 3.840 15.41 0   0    3    4
## Pontiac Firebird 19.2   8 400.0 175  3.08 3.845 17.05 0   0    3    2
## Fiat X1-9      27.3   4  79.0  66  4.08 1.935 18.90 1   1    4    1
## Porsche 914-2  26.0   4 120.3  91  4.43 2.140 16.70 0   1    5    2
## Lotus Europa   30.4   4  95.1 113  3.77 1.513 16.90 1   1    5    2
## Ford Pantera L  15.8   8 351.0 264  4.22 3.170 14.50 0   1    5    4
## Ferrari Dino   19.7   6 145.0 175  3.62 2.770 15.50 0   1    5    6
## Maserati Bora  15.0   8 301.0 335  3.54 3.570 14.60 0   1    5    8
## Volvo 142E     21.4   4 121.0 109  4.11 2.780 18.60 1   1    4    2
```

```
knitr::include_graphics(rep("images/thanks.png"))
```

*Thank  
You*

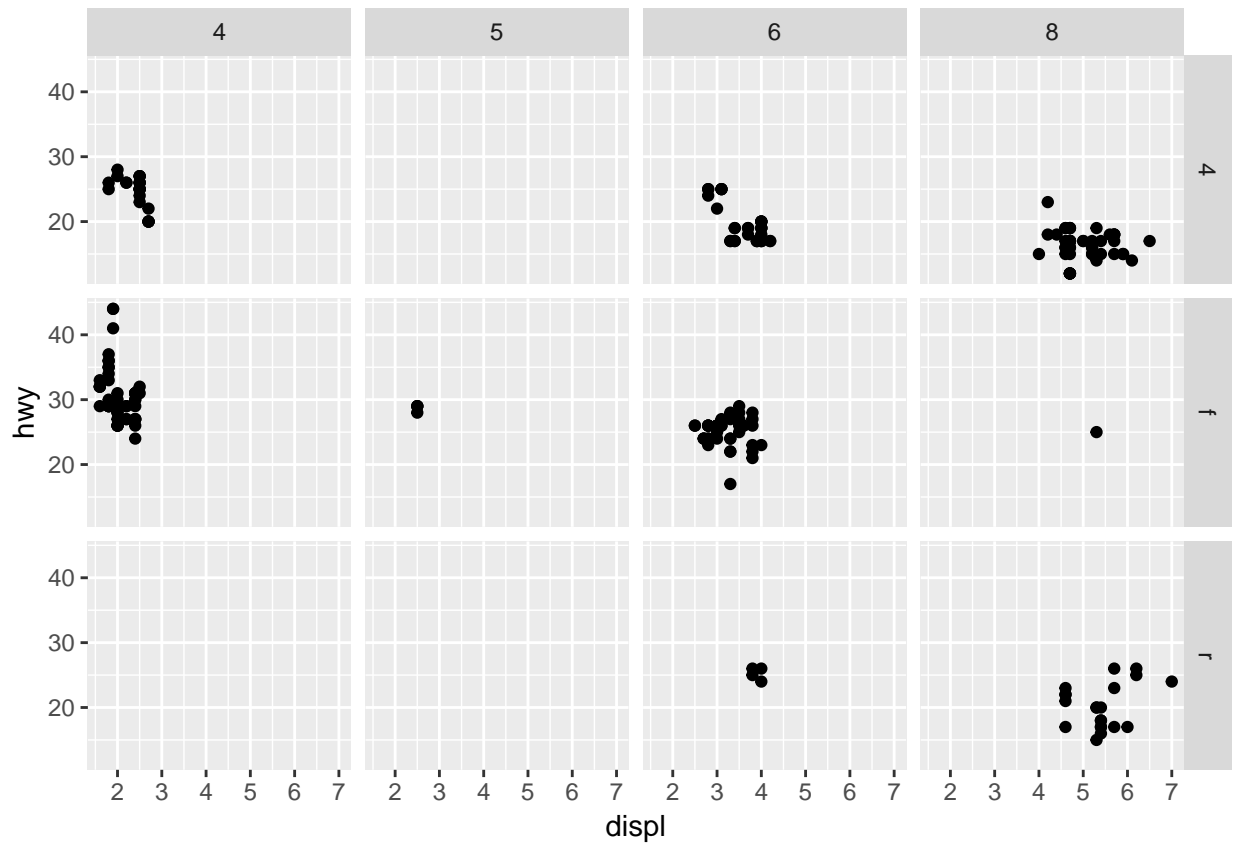


## Chapter 3

# Data Visualization

The following visualization code was used during the R Study Group session.

```
library(ggplot2)
ggplot(data=mpg) +
  geom_point(mapping = aes(x=displ, y=hwy)) +
  facet_grid(drv ~ cyl)
```





## Chapter 4

# Thank you very much

Thank you for reading my book.

*Thank  
You*