**1. Histogram for all variables in a dataset mtcars. Write a program to create histograms for all columns.**

library(tidyr)

library(ggplot2)

# or `library(tidyverse)`

mtcars %>% gather() %>% head()

#> key value

#> 1 mpg 21.0

#> 2 mpg 21.0

#> 3 mpg 22.8

#> 4 mpg 21.4

#> 5 mpg 18.7

#> 6 mpg 18.1

ggplot(gather(mtcars), aes(value)) +

geom\_histogram(bins = 10) +

facet\_wrap(~key, scales = 'free\_x')

2. Check the probability distribution of all variables in mtcars

library(purrr)

library(tidyr)

library(ggplot2)

mtcars %>%

keep(is.numeric) %>%

gather() %>%

ggplot(aes(value)) +

facet\_wrap(~ key, scales = "free") +

geom\_histogram()

3. Write a program to create boxplot for all variables.

library(purrr)

library(tidyr)

library(ggplot2)

mtcars %>%

keep(is.numeric) %>%

gather() %>%

ggplot(aes(value)) +

facet\_wrap(~ key, scales = "free") +

geom\_histogram()