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NKH

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#8일차 실습과제

##문제1

library(ggplot2)  
library(dplyr)  
  
filter(mc, gear<=5)  
  
mc <- mtcars  
mc  
class(mc)  
  
ggplot(mc, aes(gear))+  
 geom\_bar()+  
 labs(x="기어의 수", y="빈도 수")+  
 ggtitle("기어의 수")

##문제2

ggplot(mc, aes(cyl))+  
 geom\_bar(fill="green")+  
 labs(x="실린더", y="빈도 수")+  
 ggtitle("실린더")

##문제3

ggplot(mtcars, aes(x=mpg))+  
 geom\_histogram(binwidth = 5.0)

##문제4

trees  
tg <- trees  
tg  
  
ggplot(tg, aes(x=Gitrh))+  
 geom\_histogram(fill="steelblue",  
 binwidth = 3.0)+  
 labs(xlab="테두리",  
 ylab="높이")+  
 ggtitle("테두리-높이")

####*객체 girth 지정이 안된 듯 한데, 해결하지 못 하였습니다.*

##문제5

mtcars  
  
ggplot(mtcars, aes(x=mpg, y=wt, color=gear))+  
 geom\_point()

##문제6

cyl.number <- mtcars  
mtcars$cyl  
ggplot(mtcars, aes(y=mpg),fill=mtcars$cyl)+  
 geom\_boxplot()

##문제7

year <- 2015:2026  
pop <- c(51014,51245,51446,51635,51811,51973,52123,52261,52388,52504,52609,52704)  
df <- data.frame(year,pop)  
df  
  
ggplot(df,aes(x=year, y=pop))+  
 geom\_line()