Homework Batch 11

Jinnapat Earn

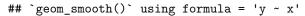
2025-02-24

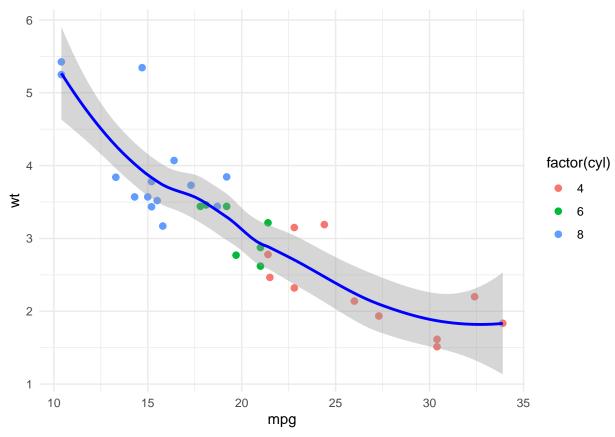
Homework

Scatter plot

```
library(ggplot2)

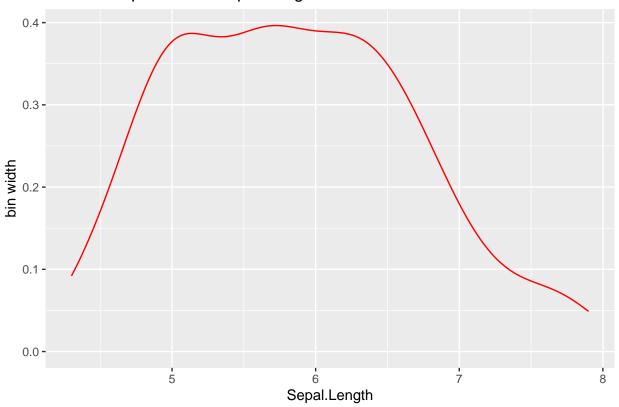
ggplot(data = mtcars,
mapping = aes(x = mpg, y = wt, color = factor (cyl) )) +
geom_point(size= 2 ) +
geom_smooth(method = "loess", se= TRUE, col= "blue" ) +
theme_minimal()
```



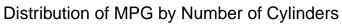


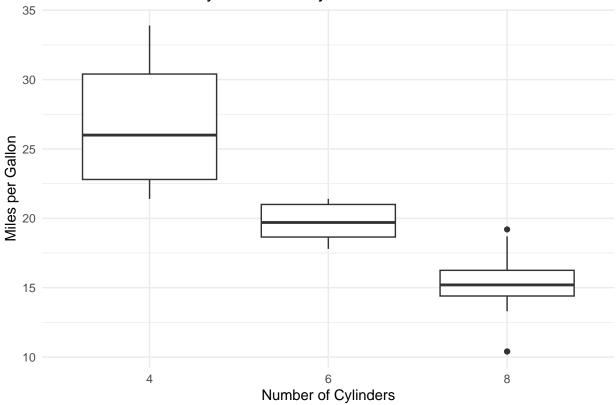
Desity

Relationship between Sepal.Length and bin width



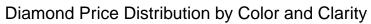
Box plot

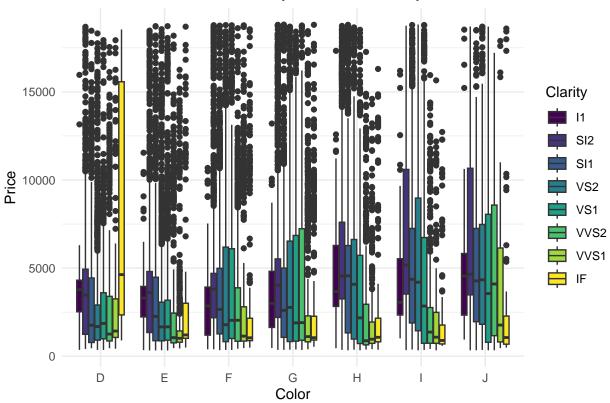




Box plot

```
ggplot(data = diamonds, aes(x = color, y = price, fill = clarity)) +
geom_boxplot() +
labs(title = "Diamond Price Distribution by Color and Clarity",
        x = "Color",
        y = "Price",
        fill = "Clarity") +
theme_minimal()
```





Scatter plot

```
ggplot(USArrests, aes(x = UrbanPop, y = Murder )) +
    geom_point(size = 1) +
    geom_smooth(method = "loess", size = 2, color = "blue")

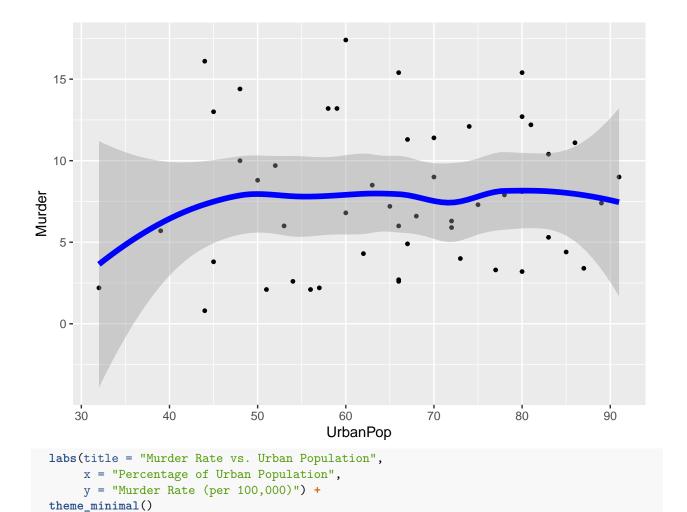
## Warning: Using `size` aesthetic for lines was deprecated in ggplot2 3.4.0.

## i Please use `linewidth` instead.

## This warning is displayed once every 8 hours.

## Call `lifecycle::last_lifecycle_warnings()` to see where this warning was

## geom_smooth()` using formula = 'y ~ x'
```



NULL