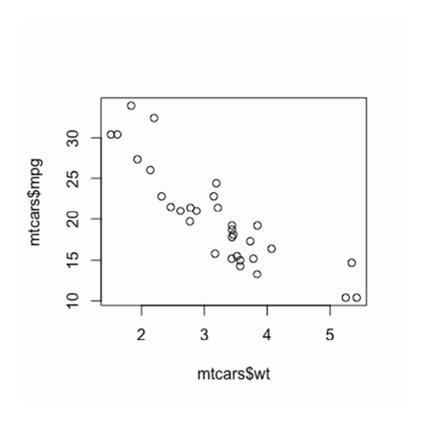
ACADGILD ASSIGNMENT 7.3

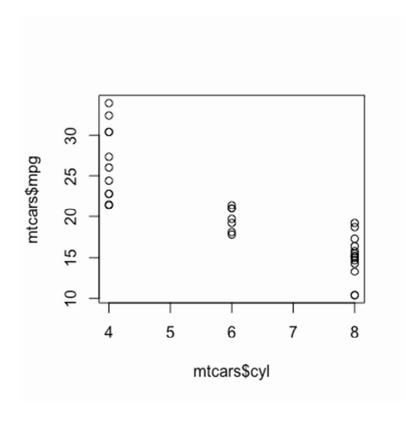
1. Create a **box and whisker plot** by class using **mtcars** dataset.

scatter plot use plot() with a vector of x values and a vector of y values:
 # base R
plot(x = mtcars\$wt, y = mtcars\$mpg)



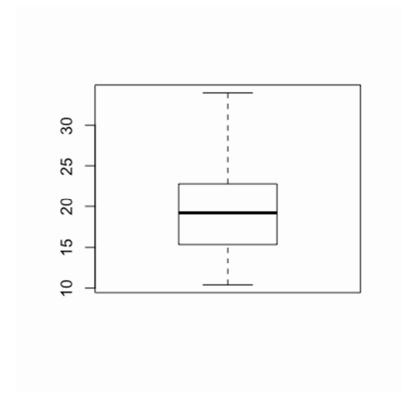
use plot() and pass it x values that are categorical and a vector of y values. However, we need to ensure that the x values are factors otherwise you will get a scatter plot by default:

if x is not a factor it will produce a scatter plot plot(mtcars\$cyl, mtcars\$mpg)

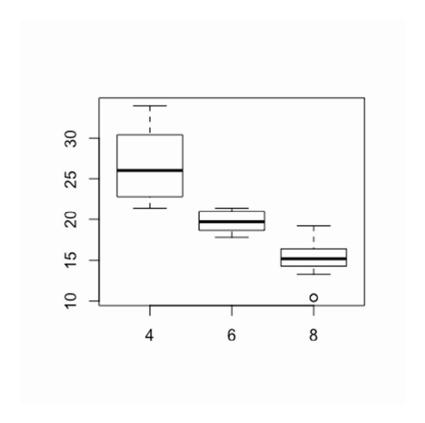


Alternatively, we can use the boxplot() function to create a box plot. We can create a single box plot with the following:

boxplot of mpg
boxplot(mtcars\$mpg)



boxplot of mpg by cyl boxplot(mpg ~ cyl, data = mtcars)



boxplot of mpg based on interaction of two variables boxplot(mpg ~ cyl + am, data = mtcars)

