

SESSION 7: Basic Statistics

Assignment 3

5. Problem Statement

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

```
mtcars$cyl.f <- factor(mtcars$cyl,  
                      levels=c(4,6,8),  
                      labels=c("4", "6", "8"))  
  
mtcars$am.f <- factor(mtcars$am,  
                     levels=c(0,1),  
                     labels=c("auto", "standard"))  
  
boxplot(mpg ~ am.f * cyl.f,  
        data=mtcars,  
        varwidth=TRUE,  
        col=c("gold", "darkgreen"),  
        main="MPG Distribution by Auto Type",  
        xlab="Auto Type")
```