# To Order data frame

mtcars[order(mtcars[,"cyl"]),c("cyl", "mpg")]

Slide # 58

v <- c("Hello","while loop")

cnt <- 2

while (cnt < 7) {

print(v)

cnt = cnt + 1

}

Slide # 60

x <- 30L

if(is.integer(x)) {

print("X is an Integer")

}

Slide # 61

x <- c("what","is","truth")

if("Truth" %in% x) {

print("Truth is found")

} else {

print("Truth is not found")

}

Slide # 63

v <- LETTERS[1:4]

for ( i in v) {

print(i)

}

Slide # 65

15 + 5

15 - 5

15 \* 5

15 / 5

16 %/% 3

15 ^ 3

15 %% 5

17 %% 4

Slide # 67

plot(mtcars$cyl, mtcars$mpg)

Slide # 68

plot(as.factor(mtcars$cyl), mtcars$mpg)

boxplot(mtcars$mpg)

boxplot(mtcars$mpg[mtcars$cyl==8])

Slide # 69

hist(mtcars$mpg)

hist(mtcars$mpg, breaks = 10)

Slide # 70

pie(table(mtcars$cyl), col=grey.colors(3), main="Number of Cylinders in the 1974 Motor Trend Dataset")

Slide # 71

pie(table(mtcars$cyl), col=c("seagreen", "seagreen1", "seagreen3"), main="Number of Cylinders in the 1974 Motor Trend Dataset", labels=c("","","") )

legend("right",legend=levels(as.factor(mtcars$cyl)), fill=c("seagreen", "seagreen1", "seagreen2"), title="Cylinders", box.lty=0)

Slide # 72

plot(x = pressure$temperature, y = pressure$pressure, type = "l")

Slide # 73

plot(x = mtcars$wt, y = mtcars$mpg)