# load dataset

mydata<-read.csv(file.choose())

mydata

head(mydata)

str(mydata)

mydata$Company<-as.factor(mydata$Company)

mydata$Product<-as.factor(mydata$Product)

mydata$TypeName<-as.factor(mydata$TypeName)

mydata$ScreenResolution<-as.factor(mydata$ScreenResolution)

mydata$Cpu<-as.factor(mydata$Cpu)

mydata$Ram<-as.factor(mydata$Ram)

mydata$Memory<-as.factor(mydata$Memory)

mydata$Gpu<-as.factor(mydata$Gpu)

mydata$OpSys<-as.factor(mydata$OpSys)

mydata$Weight<-as.factor(mydata$Weight)

str(mydata)

mean(is.na(mydata))

#install required packages

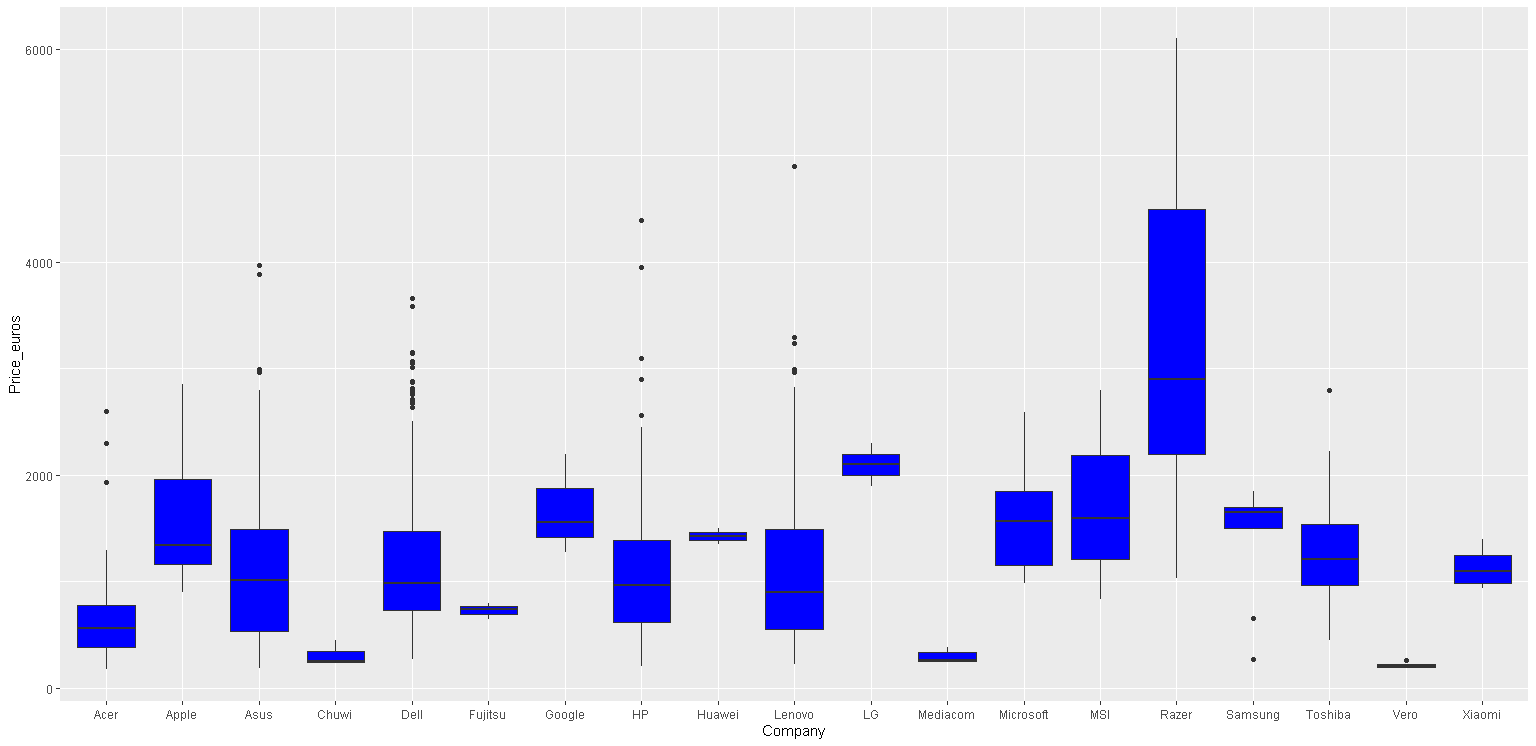
install.packages("ggplot2")

library(ggplot2)

ggplot(mydata, aes(x=Company, y=Price\_euros)) +

geom\_boxplot(fill="blue")

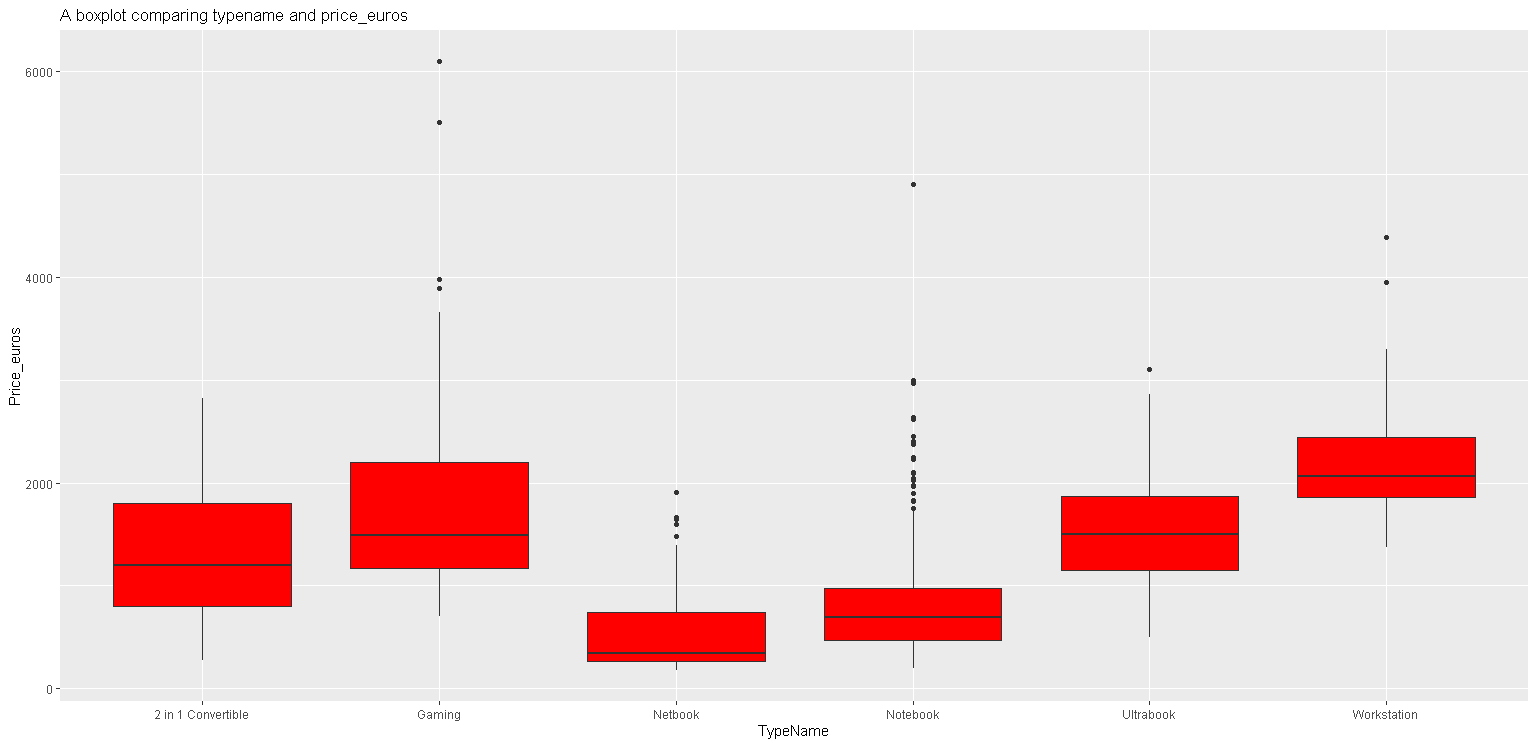
#A boxplot of companies



ggplot(mydata, aes(x=TypeName, y=Price\_euros)) +

geom\_boxplot(fill="red")+ggtitle("A boxplot comparing typename and price\_euros")

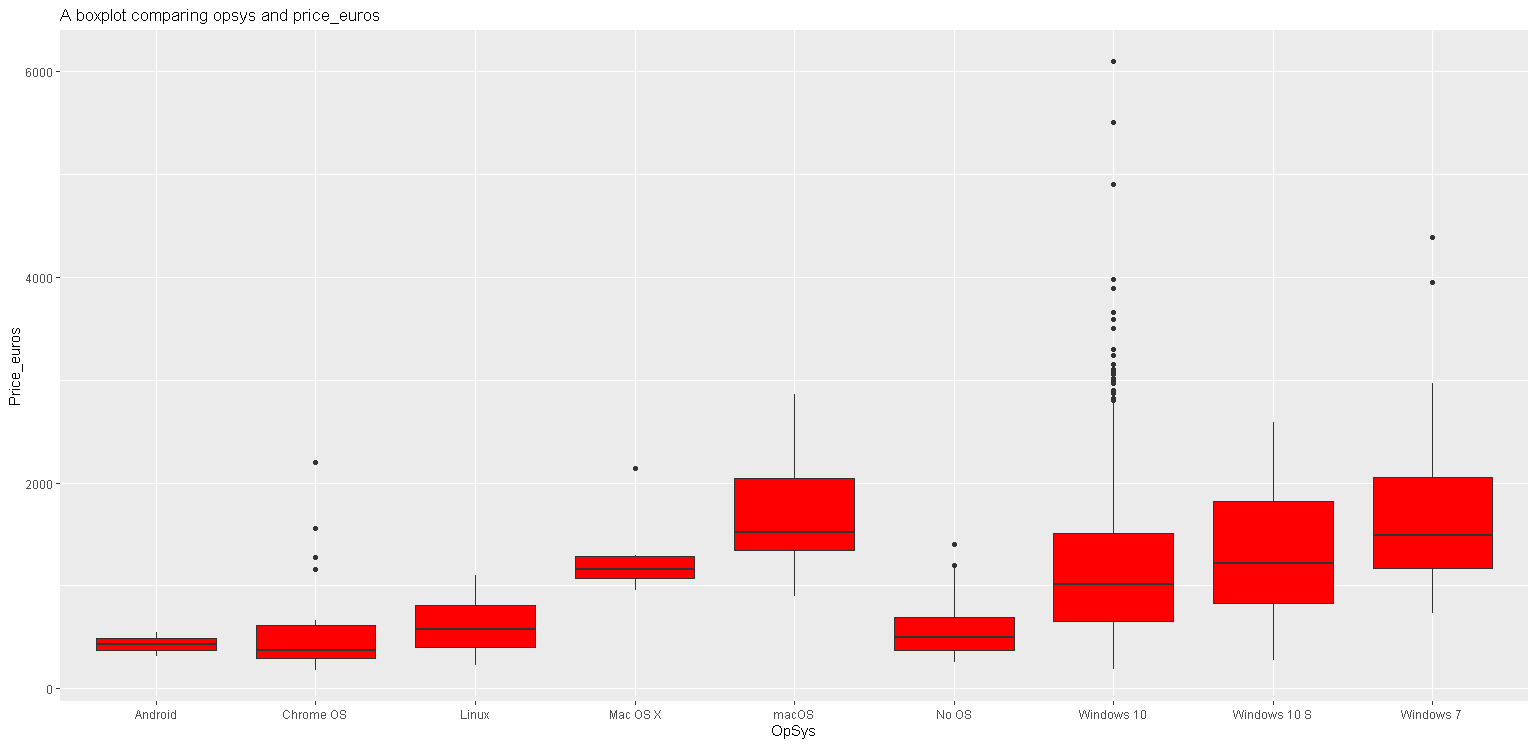
#A boxplot of typename



ggplot(mydata, aes(x=OpSys, y=Price\_euros)) +

geom\_boxplot(fill="red")+ggtitle("A boxplot comparing opsys and price\_euros")

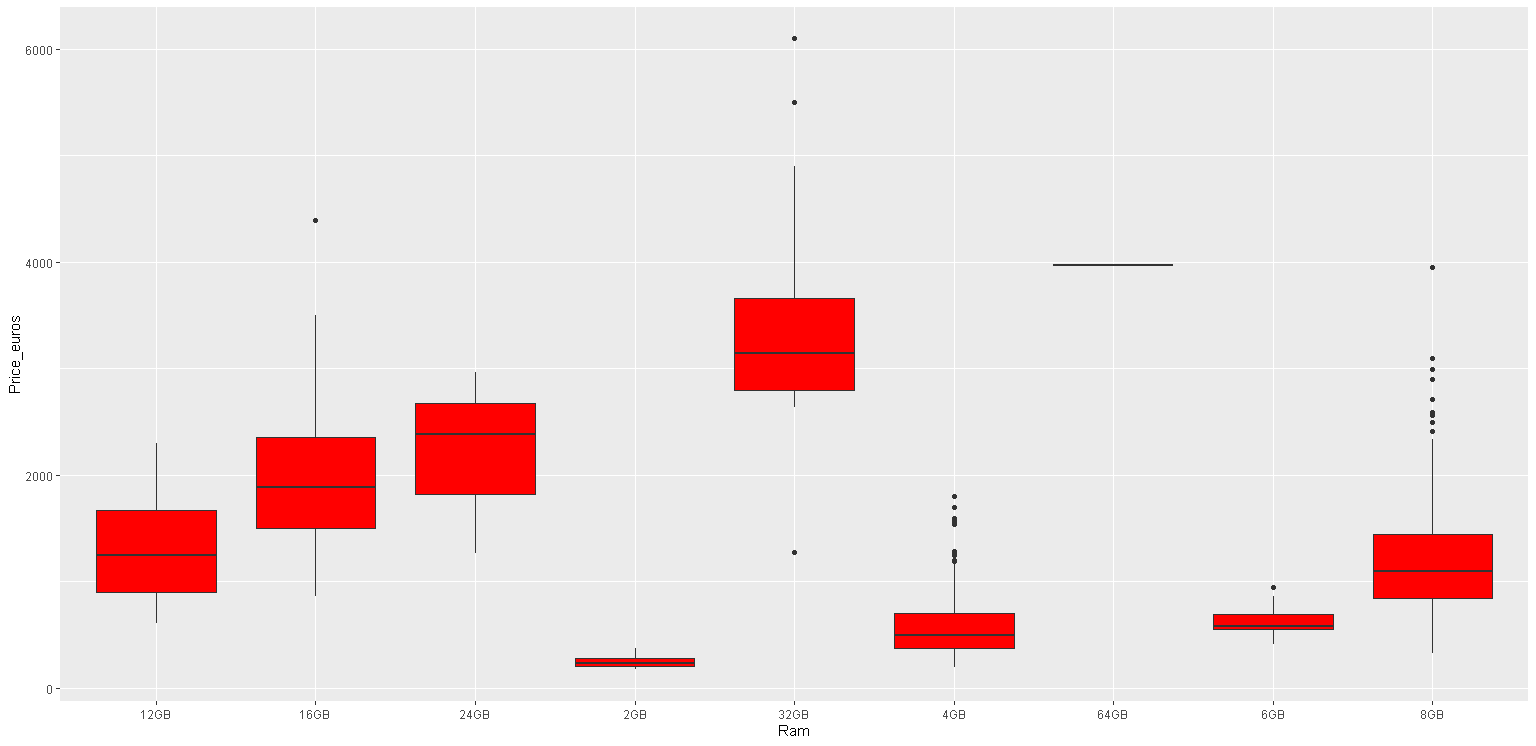
#A boxplot of operating systems



ggplot(mydata, aes(x=Ram, y=Price\_euros)) +

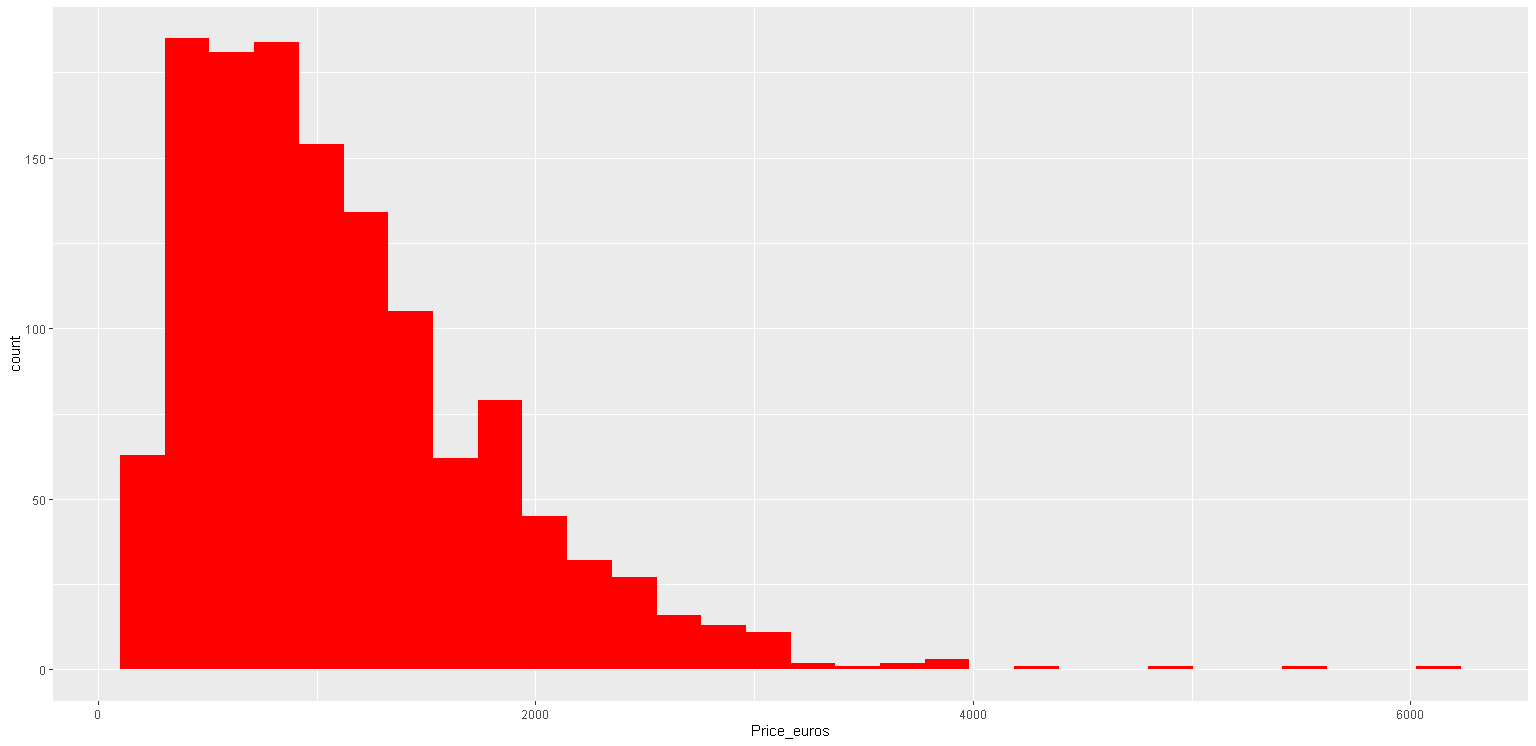
geom\_boxplot(fill="red")

#A boxplot of ram



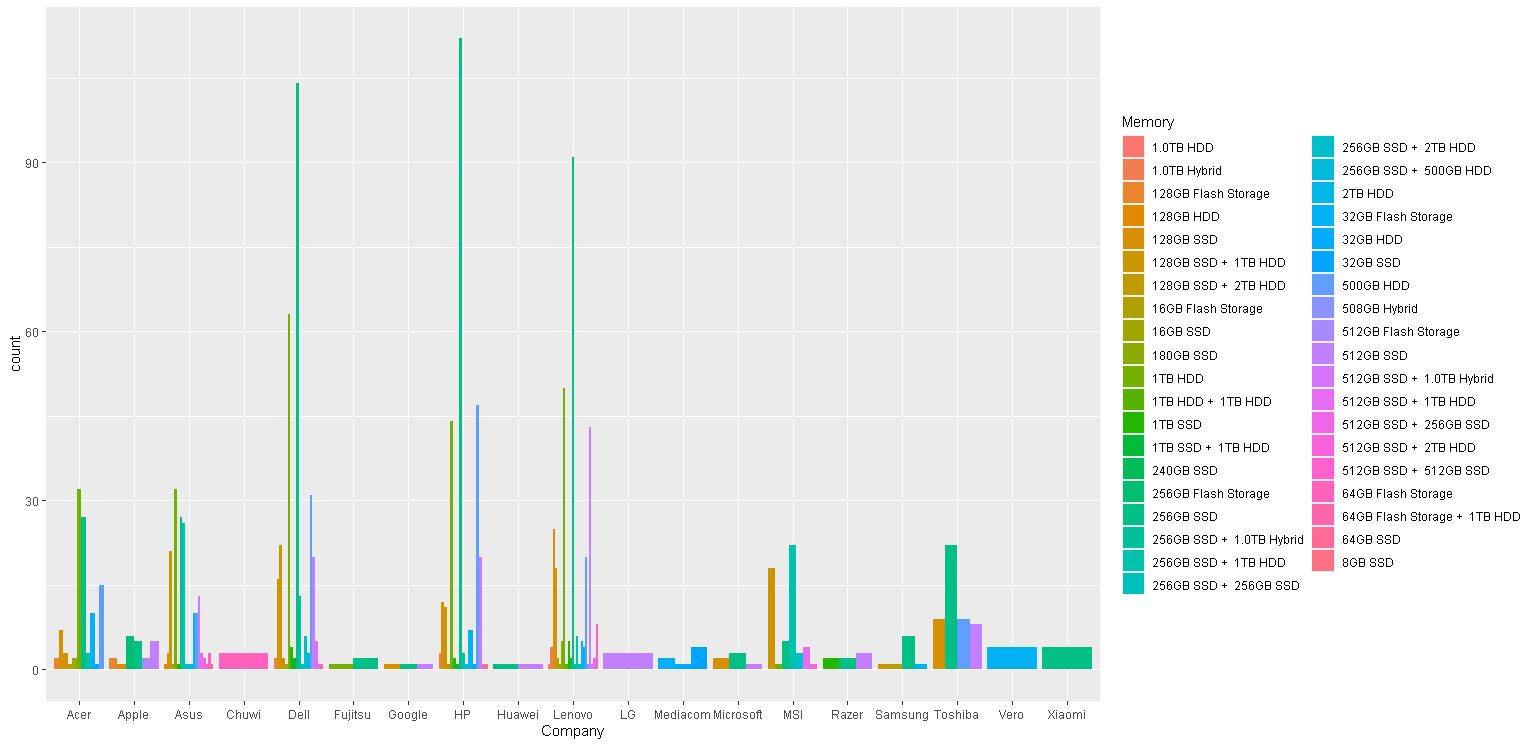
ggplot(mydata,aes(Price\_euros))+geom\_histogram(fill="red")

#A histogram of price of laptops



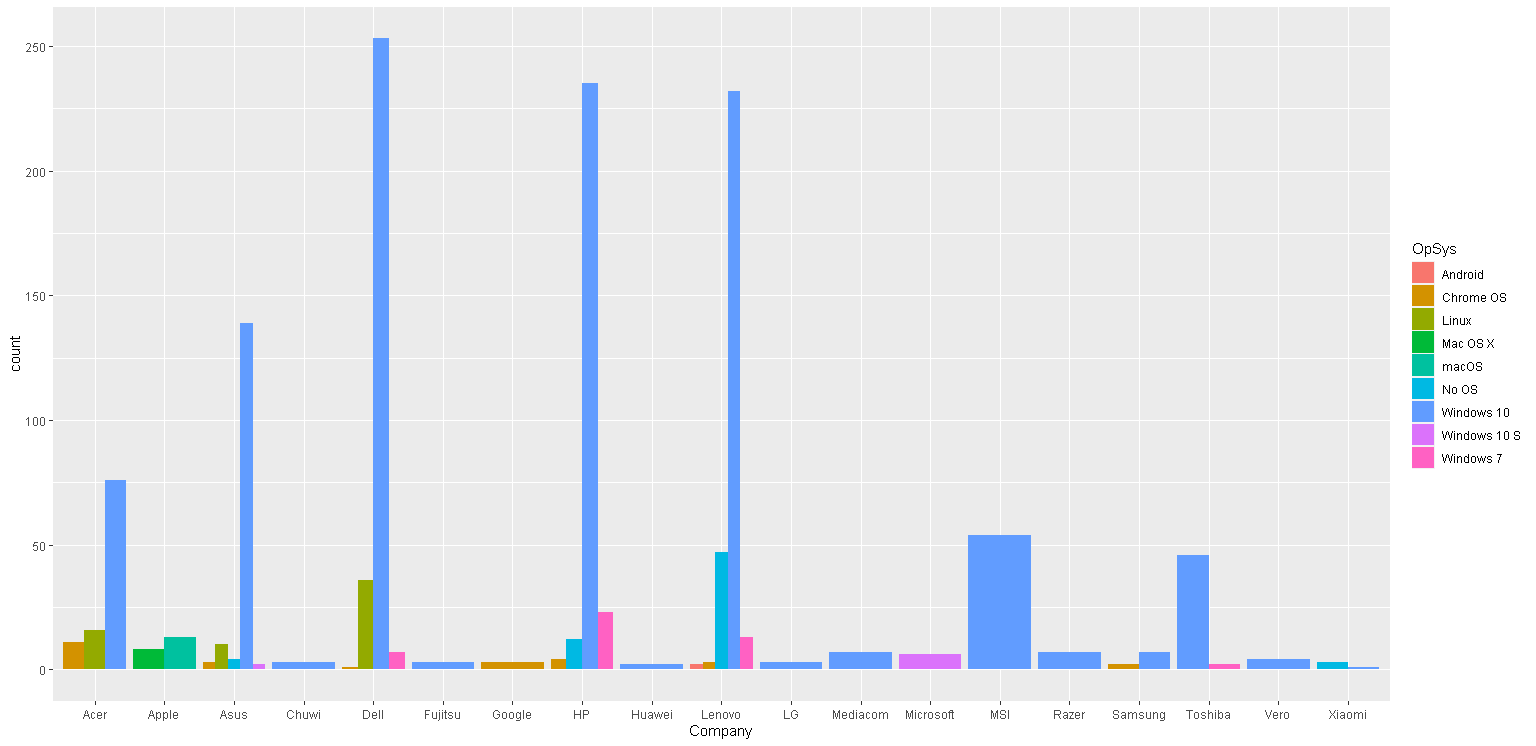
ggplot(mydata,aes(x=Company,fill=Memory))+geom\_bar(position = "dodge")

#A bargraph of companies filled with memory



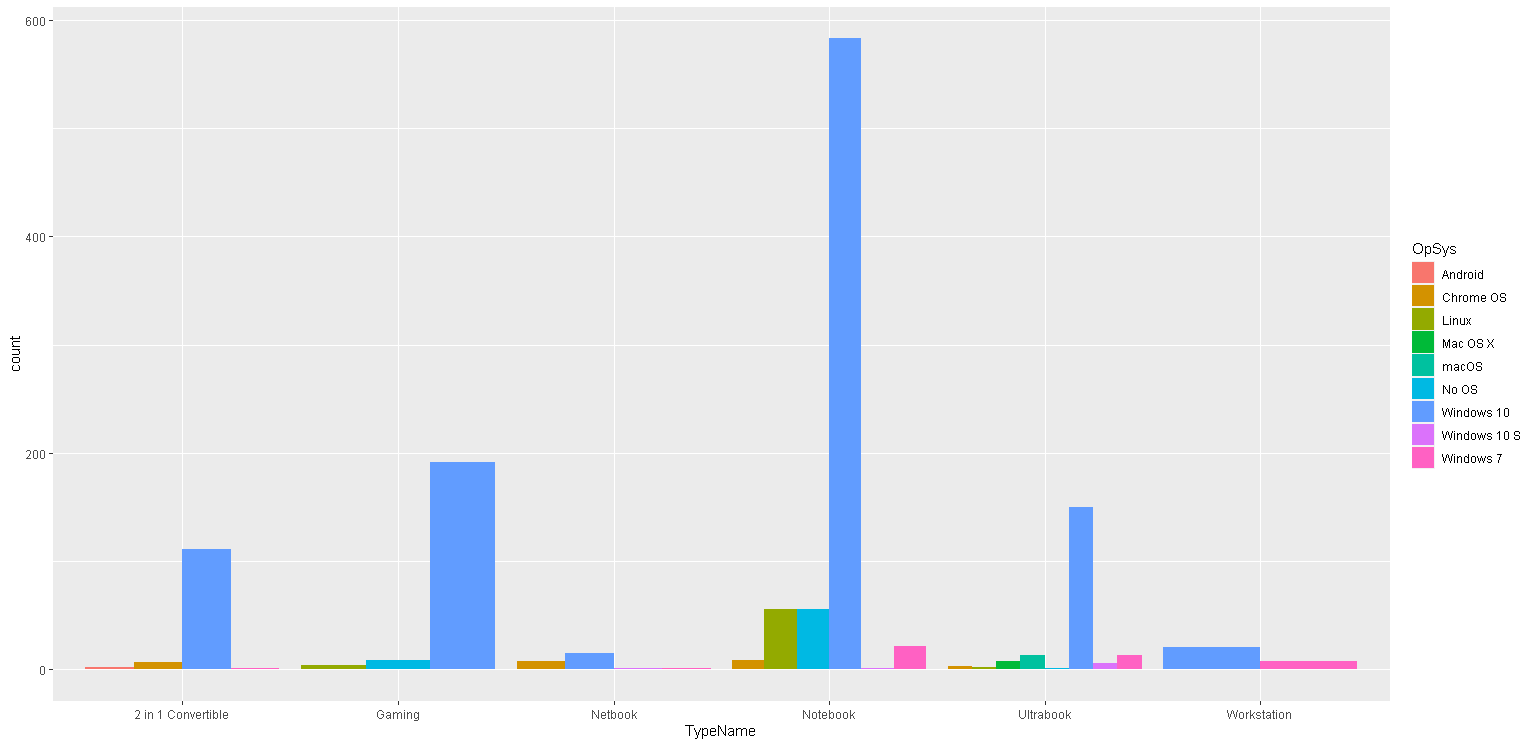
ggplot(mydata,aes(x=Company,fill=OpSys))+geom\_bar(position = "dodge")

# a bargraph of companies filled with operating system



ggplot(mydata,aes(x=TypeName,fill=OpSys))+geom\_bar(position = "dodge")

# a bargraph of typename filled with operating system



ggplot(mydata,aes(x=OpSys,fill=TypeName))+geom\_bar(position = "dodge")

# a bargraph of operating system filled with typename

