Save And Load R Objects

save() : Save R object in .Rdata file

load() : Read R object from .Rdata file

rm() : Remove object from R

In [1]:
```
obj1<-1:10
obj1
```

```
 1  2  3  4  5  6  7  8  9  10
```

In [2]:
```
save(obj1,file="Data1.Rdata")
```

In [8]:
```
rm(obj1)
# obj1
# Error in eval(expr, envir, enclos): object 'obj1' not found
# Traceback:
```

In [9]:
```
load("Data1.Rdata")
obj1
```

```
 1  2  3  4  5  6  7  8  9  10
```

Import from and Export to .CSV Files

write.csv(): write an R object to a .CSV file

read.csv(): read an R object from a .CSV file

In [5]:
```
var1 <- sample(1:10,5,replace=T) ## 5 Random Int numbers between 1 to 10 and
repition is allowed(replace=T)
var2 <- runif(5,1,10)            ## 5 Random Real/float numbers between 1 to
10
var3 <- c("R","And","Data Mining","Examples","Case Studies")
dataFrame1 <- data.frame(var1,var2,var3)
names(dataFrame1) <- c("Int","Float/Real","Var Char")
 write.csv(dataFrame1,"Data2.csv",row.names=FALSE)
dataFrame2 <- read.csv("Data2.csv")
dataFrame2
```

Int	Float.Real	Var.Char
1	6.855424	R
8	4.603499	And
5	2.547944	Data Mining
2	4.155014	Examples
1	4.817930	Case Studies

Import from and Export to EXCEL Files

Package xlsx: read, write, format Excel 2007 and Excel 97/2000/XP/2003 files

In [7]:
```
library(xlsx)
Data3.file <-"Data2.xlsx"
write.xlsx(dataFrame2,Data3.file,sheetName="sheet1",row.names=F)
dataFrame3 <- read.xlsx(Data3.file,sheetName="sheet1")
dataFrame3
```

Int	Float.Real	Var.Char
1	6.855424	R
8	4.603499	And
5	2.547944	Data Mining
2	4.155014	Examples
1	4.817930	Case Studies