

## Assignments for session on “FOUNDATIONAL R PROGRAMMING -I”

1. We can use **read.xport(file)** command from the “foreign” package to Import SAS XPORT files into R with the foreign package. The file here must be in the SAS XPORT format.

Example:

```
## Not run: ## no XPORT file is installed  
read.xport("test.xpt")  
## End(Not run)
```

2. We can use **read\_sas** for reading the SAS files into R using “haven” package.

Example:

```
wd <- system.file("xyz","abc.sas7bdat", package = "haven")  
read_sas (wd)
```

3. We can use “RWeka” library, which contains **read.arff ()** function, for reading **.arff** files.

Example:

```
install.packages ("RWeka")  
sample <- read.arff ("C:/Users/sarang_dani/Desktop/Assignments/sample.arff")
```

4. Well, there are atleast 2 methods to read heavy CSV/TSV files into R.

Method 1 : Using the library **data.table**

```
library (data.table)  
test <- fread ("C:/Users/sarang_dani/Desktop/Assignments/test.csv")
```

Method 2 : Using the library **bigmemory**

```
test <- read.big.matrix ("C:/Users/sarang_dani/Desktop/Assignments/test.csv",type =  
"integer",header = TRUE)  
dim(test)  
test <- as.matrix(test)
```