**B6 Session-3 Assignment-1**

**Problem Statement:**

1. **How to Import SAS XPORT files into R with the foreign package?**

* The [foreign](https://cran.r-project.org/web/packages/foreign/foreign.pdf) package with the [read.xport()](http://www.rdocumentation.org/packages/foreign/functions/read.xport) function also allows you to get your SAS XPORT files into R:

>library(foreign)

>data<- read.xport(“Path to your SAS File”)

1. **How to Import SAS Files into R with the Haven package?**

* Just like foreign package the haven package also allows you to export b7dat files into R using read\_sas() function.
* >library(haven)
* >read\_sas(“Path to your File”)

1. **How to read Weka Attribute-Relation File Format (ARFF) files in R?**

* Data from Weka Attribute-Relation File Format (ARFF) can be read in with the read.arff() function.
* >library(foreign)
* data<- read.arff(“Path to your File”)

1. **How to read a heavy csv/tsv file using readr package?**

* One of the faster packages that you may use to import your big data set into R could be the [readr](https://cran.r-project.org/web/packages/readr/index.html) package, which allows you to read tabular text data, just like read.table. Nevertheless, the [readr](https://cran.r-project.org/web/packages/readr/index.html) package offers “a number of replacement functions that provide additional functionality and are much faster”

>df<- read\_table(“path to your file”,col\_names=TRUE)

the [readr](https://cran.r-project.org/web/packages/readr/index.html) package also offers the functions read\_csv(), read\_csv2(), read\_delim(), read\_fwf(), read\_tsv() and many other functions that go faster than their original ones.