**ASSIGNMENT 3.1**

1. **How to import SAS XPORT files into R with the foreign package?**  
   **Ans**- For importing SAS data, “hmisc” package is recommended.  
     
   # save SAS dataset in trasport format  
   libname out xport 'c:/mydata.xpt';  
   data out.mydata;  
   set sasuser.mydata;  
   run;  
     
   # in R   
   library(Hmisc)  
   mydata <- sasxport.get("c:/mydata.xpt")  
   # character variables are converted to R factors
2. **How to import SAS file into R with the Haven Package?  
   Ans**- Haven package provide functions for importing data from SAS and SPSS file formats.  
     
   install.packages(“haven”)  
   library(haven)  
   dat = read\_sas(“path where the file is stored”, ”path to formats catalogues”)
3. **How to read Weka Attribute-Relation File Format(ARFF) files in R?  
   Ans-** For ‘arff’ files, we first need to install “SOS” package.  
     
   install.packages(“sos”)  
   library(sos)  
   findFn(“arff”)  
   >read.csv(“data.arff”)
4. **How to read a heavy csv/tsv file using readrpackage?  
   Ans** -   
   Install.packages(“readr”)  
   library(readr)  
   By using this ‘readr’ package, we can read the heavy csv/tsv files.  
   Usually it is downloaded for reading   
   1. Delimited files  
   2. Lines  
   3. The whole file