DATA ANALYTICS WITH R, EXCEL AND TABLAEU

ASSIGNMENT 3.1 ANSWERS

By ASHISH S SHANBHAG

ashishshanbhag108@gmail.com

Question no:

5)

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

Ans : Files are imported in R with the foreign package using lookup function .

SAS XPORT files are imported using **lookup.xport(file).**

Here file is the name of the file which is in SAS XPORT format.

2) How to Import SAS Files into R with the Haven package?

Ans : Reading supports both sas7bdat files and the accompanying sas7bdat files that SAS uses to record

value labels. Writing value labels is not currently supported.

Importing SAS files into R using Haven package

read_sas(data_file, catalog_file = NULL, encoding = NULL,catalog_encoding = encoding,cols_only = NULL)
write_sas(data, path)

Here,

Data_file, catalog file Path to data and catalog files. The files are processed with datasource()
.
encoding, catalog_encoding
The character encoding used for the ‘data_file‘ and ‘catalog_encoding‘ respectively. A value of ‘NULL‘ uses the encoding specified in the file; use this argument to override it if it is incorrect.
cols_only
A character vector giving an experimental way to read in only specified columns.
data
Data frame to write.
path
Path to file where the data will be written.
Value

A tibble, data frame variant with nice defaults.
Variable labels are stored in the "label" attribute of each variable. It is not printed on the console,
but the RStudio viewer will show it.
Examples
path <- system.file("examples", "iris.sas7bdat", package = "haven")
read_sas(path)

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

Ans : Reading .ARFF files in R is done using read.arff(file).

Here file is a character string with the name of the ARFF file to read from, or a connection which will be opened if necessary, and if so closed at the end of the function call.

4) How to read a heavy csv/tsv file using readr package?

Ans : Reading Heavy csv file :

```
my_file <- system.file("extdata/mtcars.csv", package = "readr")
```

Reading Heavy tsv file :

```
my_file <- system.file("extdata/mtcars.tsv", package = "readr")
```