Data Analytics

SESSION 2: INTRODUCTION to working with R

Assignment 2.3

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**1. Introduction**

This assignment will help you understand the concepts learnt in the session.

**2. Objective**

This assignment will test your skills on the basics of R.

**3. Prerequisites**

Not applicable.

**4. Associated Data Files**

Not applicable.

**5. Problem Statement**

1. How to Import SAS XPORT Files into R With The foreign package?

Answer:

**library(foreign)**

**read.xport(foreign)**

**read.xport(filename)**

2. How to Import SAS Files into R With The haven Package?

Answer:

**Install.package(“haven”)**

**library(haven)**

**sas.file <- read\_sas(file.choose())**

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

Answer:

**Library(foreign)**

**read.arff (file)**

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

Answer: **1. to read the csv files using readr package.**

install.package(“readr”) # to install the readr package in R.

library(readr) # to load the readr package.

Setwd(directory location) # set the working directory or file path where you save your file.

csvfile <- read\_csv(filesname.csv)

csvfile # output.

**Tsv file using readr package.**

Library(readr)

Tsvfile <- read\_tsv( filename.tsv)

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**6. Expected Format**

1. R file should be submitted where applicable.

2. R file should be in PDF or in .r format

3. Proper screenshots of the outputs should be submitted as well

4. The r codes, if submitted in any other format, will be subjected to deduction in marks

Note: Your solution will not be entertained if it is any other format, e.g., .zip, .doc, .rtf etc.

**7. Approximate Time to Complete Task**

20 mins.

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