ACADGILD

SESSION 2: INTRODUCTION to working with R

Assignment 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

a. Install. packages ("foreign")
b. Read. xport(file) command reads a file as SAS XPORT format library and returns a list of data frames. The file must be in SAS Xport format

```
C:\Users\b.seshadri\AppData\Local\Temp\RtmpK2eQfS\downloaded_packages
```

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

a. Install.packages("haven")

- Used to import/export SPSS, Stata, & SAS files
- Read_SAS(file) function supports both SAS & Bdat files and the accompanying SAS bdat files that SAS uses to record value labels

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

a. Read.arff(file) reads data from ARFF files in R

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

The "readr" package provides a fast way to read rectangular data like(csv, tsv, & fwf). The read_csv() & read_tsv() are special cases of the general read_delim().

read_csv(file, col_names = TRUE, col_types = NULL)

locale = default_locale(), na = c("","NA"),quoted_na=TRUE, quote="\"", comment= "", trim_ws=TRUE, skip = 0,n_max = inf, progress = show_progress())

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.