Session 2 – Introduction to Working with R

Assignment - 2

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**Introduction**

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

**Objective**

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

**Prerequisites**

Not Applicable

**Associated Data Files**

Not Applicable

**Problem Statement**

1. Read multiple JSON files into a directory to convert into a dataset.

I have files text1, text2, text3 in the directory JSON.

setwd("Users/Desktop/json")

temp = list.files(pattern="text\*.")

myfiles = lapply(temp, read.delim)

library("rjson")

json\_file <- "myfiles"

library(jsonlite)

out <- jsonlite::fromJSON(json\_file)

out[vapply(out, is.null, logical(1))] <- "none"

data.frame(out, stringsAsFactors = FALSE)[,1:5]

View(out)

2. Parse the following JSON into a data frame.

js<-'{

"name": null, "release\_date\_local": null, "title": "3 (2011)",

"opening\_weekend\_take": 1234, "year": 2011,

"release\_date\_wide": "2011-09-16", "gross": 59954

}'

name relase\_date\_local title opening\_weekend\_take year release\_date gross

NA NA 3 (2011) 1234 2011 2011-09-16 599

3. Write a script for Variable Binning using R.

dat <- read.table("clipboard", header=TRUE)

cuts <- apply(dat, 2, cut, c(-Inf,seq(0.5, 1, 0.1), Inf), labels=0:6)

cuts[cuts=="6"] <- "0"

cuts <- as.data.frame(cuts)

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**Expected Output**

Not Applicable

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