**Session 2 – Introduction To R**

**Assignment - 2**

***Problem Statement***:

1. Read multiple json files into a working directory for further converting into a dataset. I have files text1, text2, text3 in the directory json.

***Answer***:

#Read multiple json files.......

library("rjson")

setwd("C:/Sourav/Personal/Technology/JSONFiles/")

# gives a character vector, with each file name represented by an entry

filenames <- list.files(pattern="\*.json")

# should return a list in which each element is one of the JSON files

myJSON <- lapply(filenames, function(x) fromJSON(file=x))

myJSON

1. 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

}'

***Answer***:

#Read JSON data into data frame

library("jsonlite")

js <- '[{

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

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

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

}]'

data <- fromJSON(js)

df <- as.data.frame(do.call(rbind,data))

1. Write a script for variable binning using R

***Answer***:

#Variable Binning using R

x <- 5

dfcars <- mtcars

mpg <- dfcars$mpg

dfcars$Milege <- cut(mpg,x, labels = c("VERY LOW", "LOW", "MEDIUM", "HIGH", "VERY HIGH"))

dfcars$Milege <- cut(mpg,x)

dfcars