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**DATA ANALYTICS WITH R, EXCEL and TABLEAU**

**Session 2 – Assignment – 2.2**

1. Read multiple JSON files into a directory to convert into a dataset. I have files text1, text2, text3 in the directory JSON.

**Answer:** library(jsonlite)

library(dplyr)

ls <- list("D:\\Data Analytics with RET\\Assignment\\JSON\\text1.json",

"D:\\Data Analytics with RET\\Assignment\\JSON\\text2.json",

"D:\\Data Analytics with RET\\Assignment\\JSON\\text3.json")

for (i in ls){

z <- data.frame()

a <- read\_json(i, simplifyVector = TRUE)

z <- cbind(z,a)

} View(a)

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:** mydf <- fromJSON(json, simplifyVector = TRUE, simplifyDataFrame = simplifyVector)

mydf

1. Write a script for Variable Binning using R.

**Answer:** df = data.frame(v=sample(1:60,1000,TRUE))df$cat = cut(df$v,c(-Inf,6,12,Inf))table(df$cat)

Binning the variable:

df = data.frame(v=sample(1:60,1000,TRUE))head(df)df$cat = cut(df$v,c(-Inf,6,12,50,Inf))head(df)table(df$cat)