Assignment 1.4

**Q1**.Read multiple JSON files into a directory to convert into a dataset. I have files text1, text2, text3 in the directory JSON.

**Sol:**

Library(“rjson”) # *loading package required to read JSON files*

setwd("C:/Users/Desktop/json") #*set wd and the folder containing all the JSON filles.*

result<- fromJSON(file = "data.json") # *give the input file name to the function*

print(result)

json\_data\_frame <- as.data.frame(result) # *convert JSON file to a data frame*

print(json\_data\_frame)

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

All<- lapply(filenames, function(x)fromJSON(file=x)) *#listing out the data using the function lapply*

df<-as.data.frame(do.call("cbind", All)) # convert the list to a dataframe

**Q2.** 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

}’

**Sol**:

Js<-‘{

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

“opening\_weekend\_take”: 1234,”year”:2011,

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

}’

Library(RJSONIO)

Js<- fromJSON(js)

# *replace nulls with NA*

Js<- lapply (js, function (x)

{ X[ sapply(x, is.null)] <- NA unlist (s)})

*#do.call method to be used*

As.DataFrame<- do.call(“rbind”, lapply(js,as.data.frame))

**Q3.** Write a script for variable B**inning using R**

**Sol:**

bin<- c(1:200)

bin

binning<- function(x)

{

for(i in c(1:200))

{ifelse(i<= 50,paste(i,"group1"),

ifelse(i<= 100, paste(i,"group2"),

ifelse(i<= 150, paste(i,"group3"),

paste(i,"group4"))))

break

}

}

binning(bin)