**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.

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 }'

require(RJSONIO)

js<-'[{"name": null, "release\_date\_local": null, "title": "3 (2011)",

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

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

js <- fromJSON(js)

3. Write a script for Variable Binning using R.

# Load package and its data

library(smbinning)

data(chileancredit)

# Training and testing samples

chileancredit.train=subset(chileancredit,FlagSample==1)

chileancredit.test=subset(chileancredit,FlagSample==0)

# Run and save results

result=smbinning(df=chileancredit.train,y="FlagGB",x="TOB",p=0.05)

result$ivtable