ACADGILD

SESSION 2: INTRODUCTION to working with R

Assignment 2

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1. Introduction

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

2. Objective

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

3. Prerequisites

Not applicable.

4. Associated Data Files

Not applicable.

5. 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.

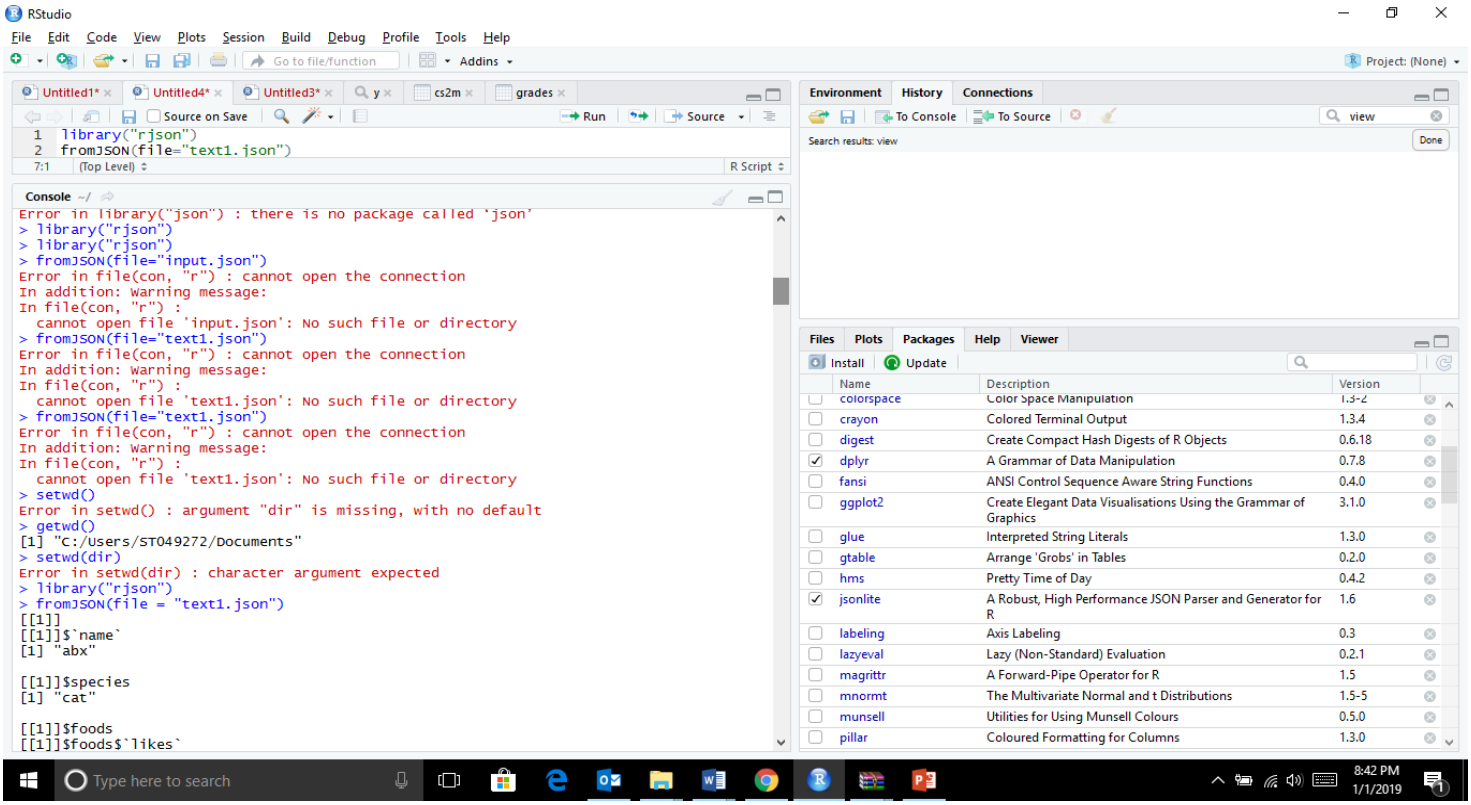
Steps Followed:

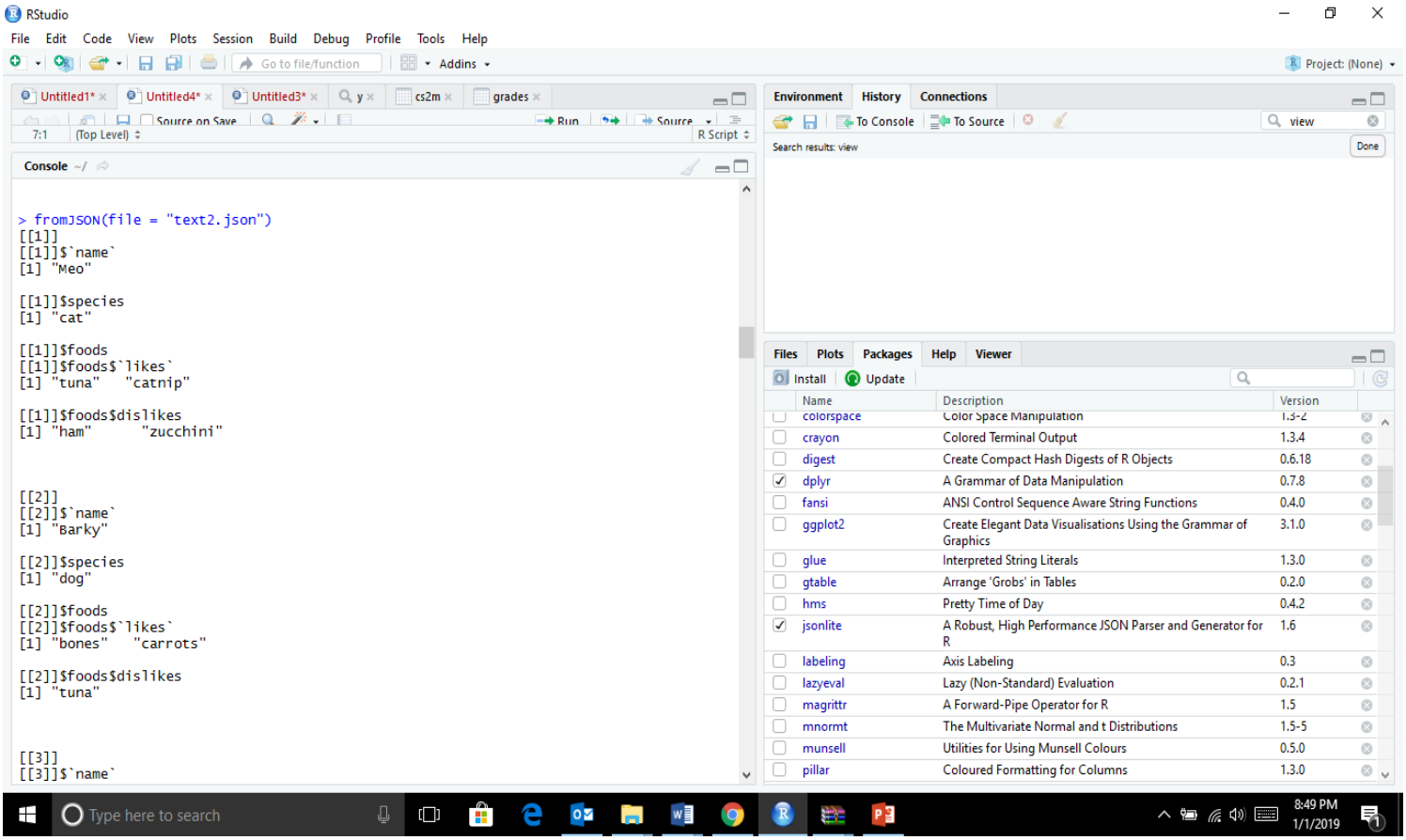
1. install.packages("rjson")
2. json()
3. getwd()
    a. `C:/Users/ST049272/Documents`
4. setwd(dir)
5. library("rjson")
6. fromJSON(file = "text1.json")
7. fromJSON(file = "text2.json")
8. fromJSON(file = "text3.json")

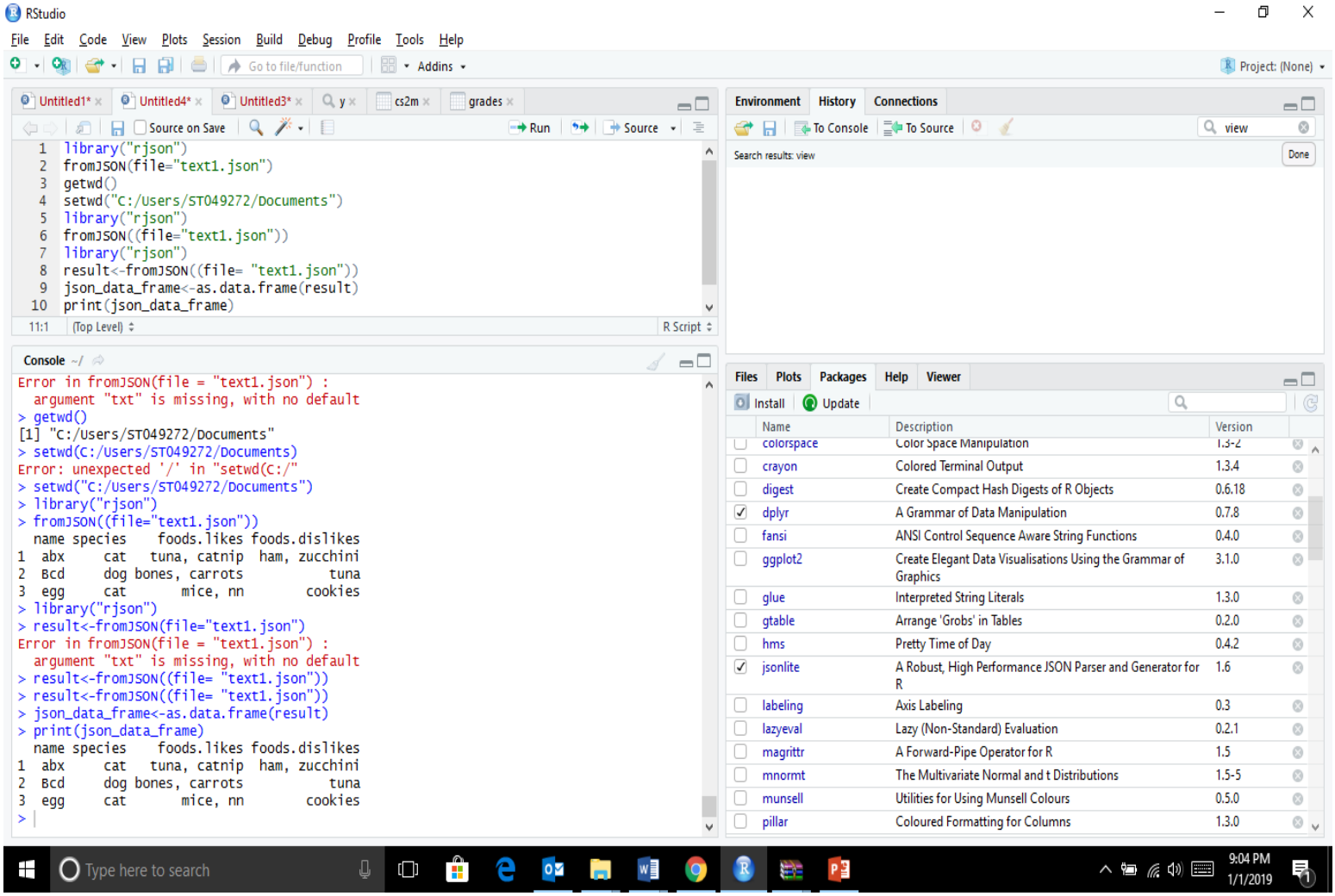
Converting json to data frame

1. library("rjson")
2. fromJSON(file="text1.json")
3. getwd()
4. setwd("C:/Users/ST049272/Documents")
5. library("rjson")
6. fromJSON((file="text1.json"))
7. library("rjson")
8. result<-fromJSON((file= "text1.json"))
9. json_data_frame<-as.data.frame(result)
10. print(json_data_frame)

Screenshots of the working are as below





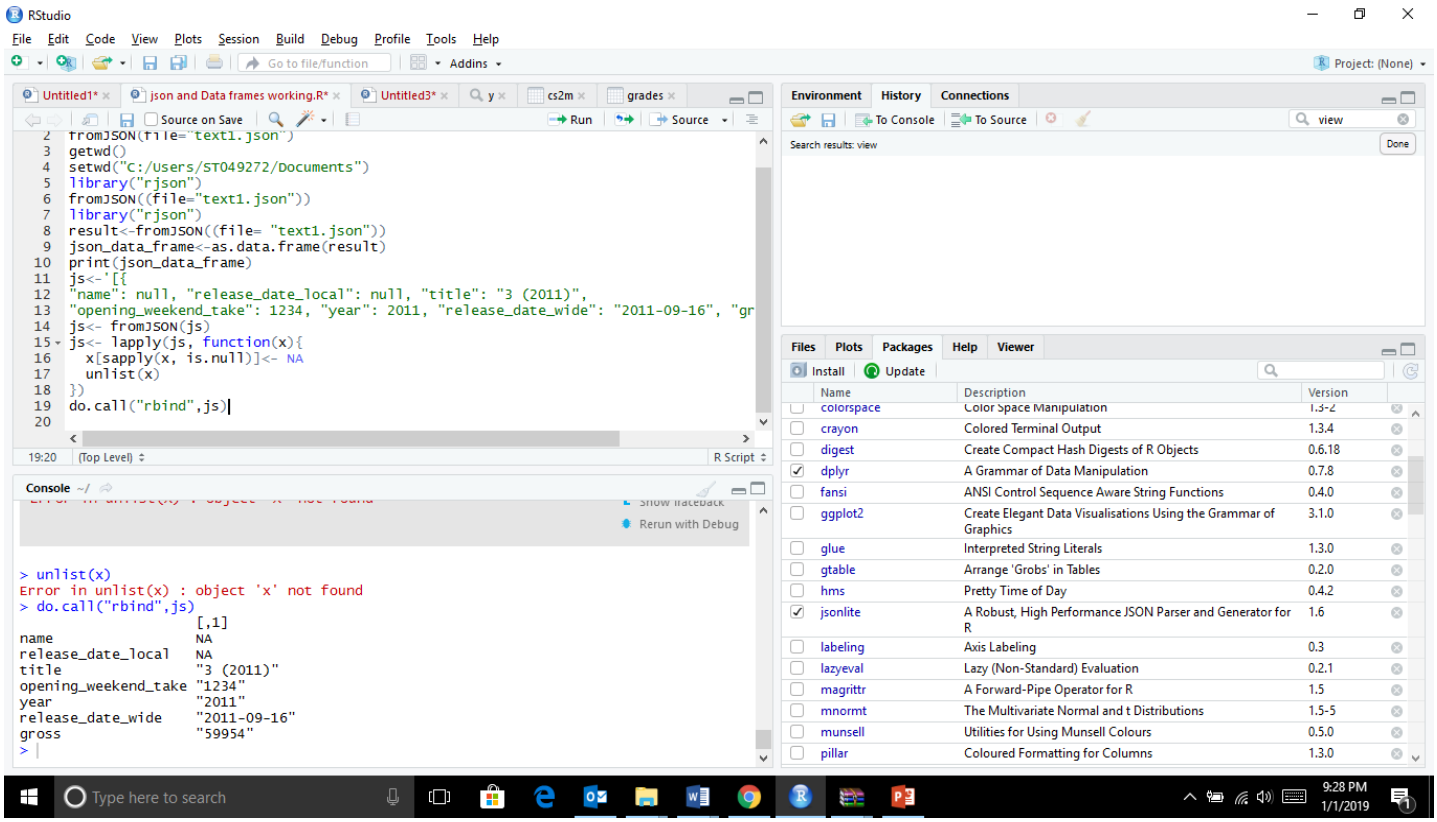


2. Parse the following JSON into a data frame

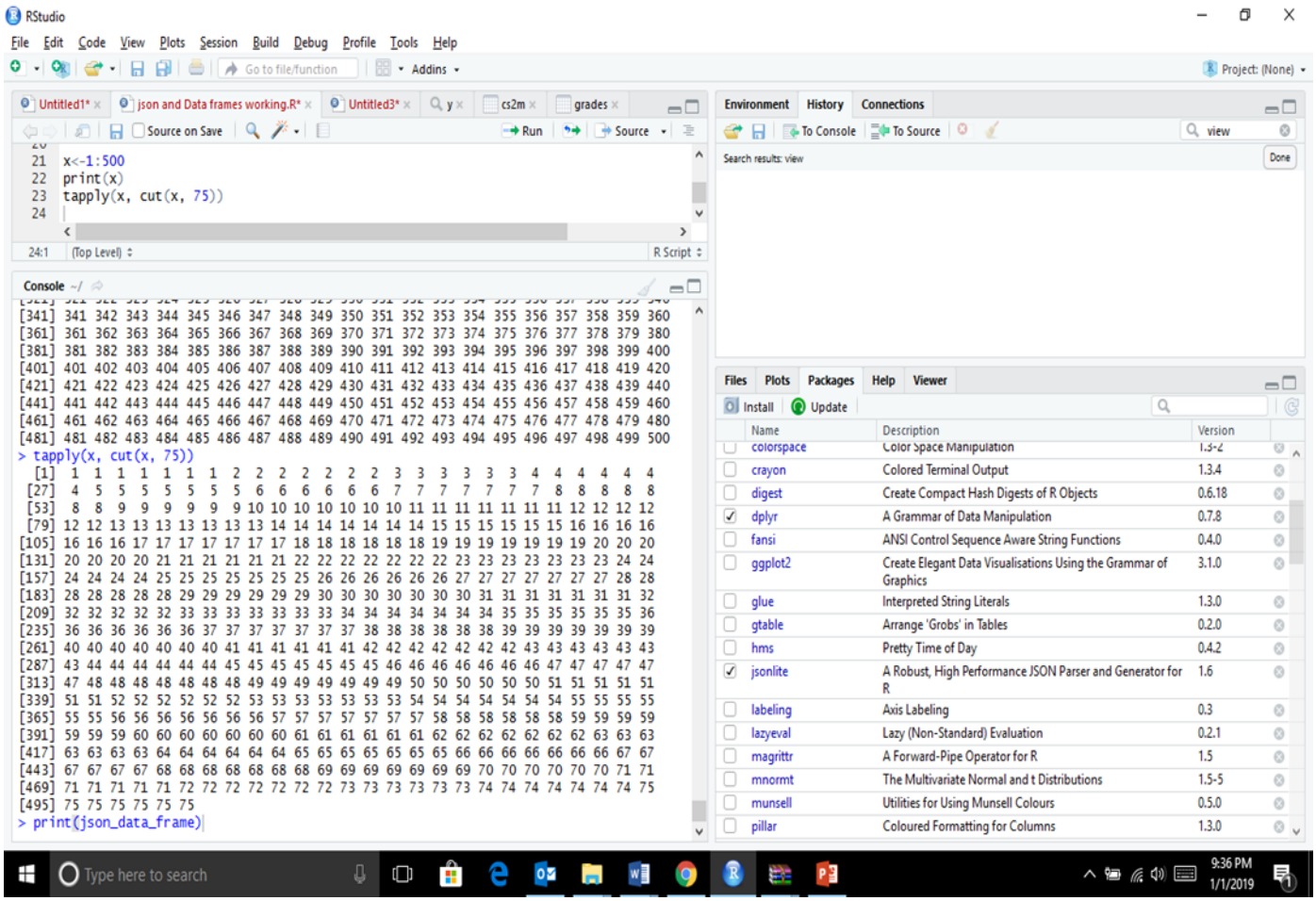
```
js<-'{
"name": null, "release_date_local": null, "title": "3 (2011)",
"opening_weekend_take": 1234, "year": 2011,
"release_date_wide": "2011-09-16", "gross": 59954
}'
```

Steps Followed

1. js<-'[{"name": null, "release_date_local": null, "title": "3 (2011)", "opening_weekend_take": 1234, "year": 2011, "release_date_wide": "2011-09-16", "gross": 59954 }]'
2. js<- fromJSON(js)
3. do.call("rbind",js)



3. Write a script for variable binning using R.



6. Expected Format

1. R file should be submitted where applicable.
2. R file should be in PDF or in .r format
3. Proper screenshots of the outputs should be submitted as well
4. The r codes, if submitted in any other format, will be subjected to deduction in marks

Note: Your solution will not be entertained if it is any other format, e.g., .zip, .doc, .rtf etc.

7. Approximate Time to Complete Task

20 mins.