



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.

Ans-

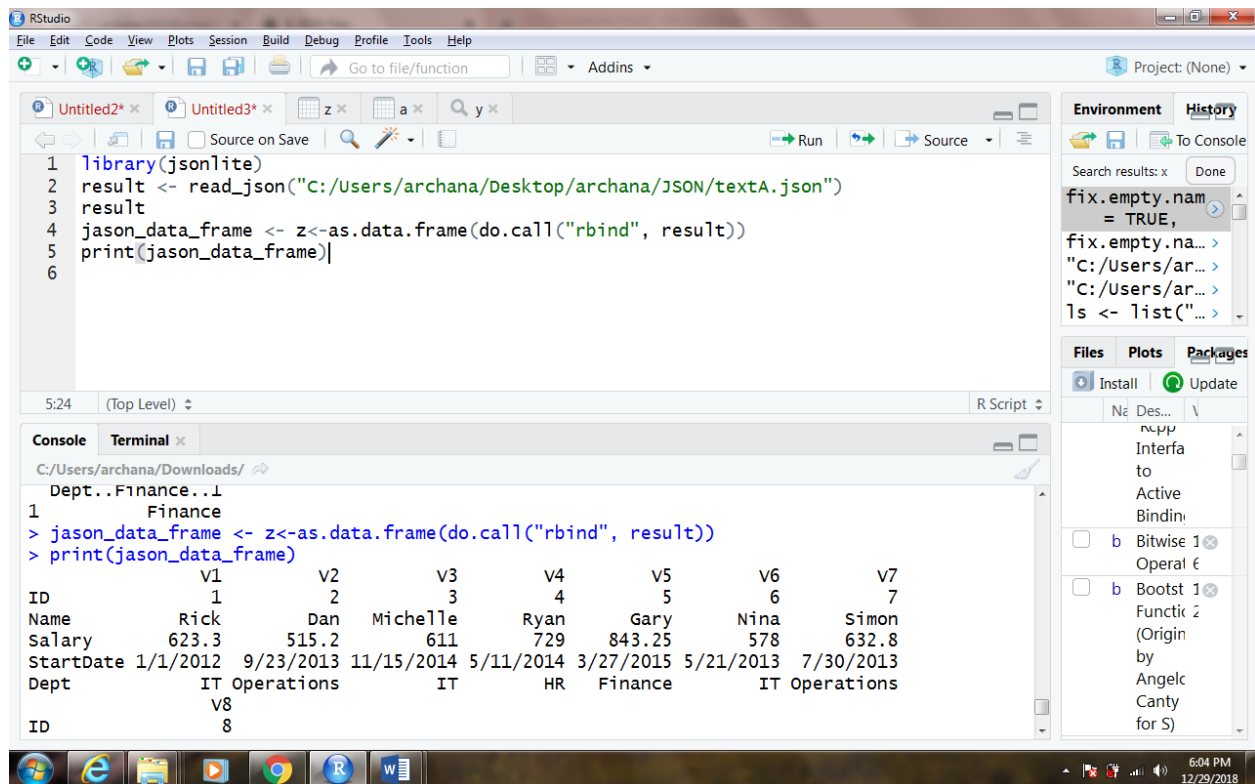
Read three json files from JSON folder.

Use the package – jsonlite

Use the package- dplyr

Convert the data as dataframe.

Screen shot of R screen is below:



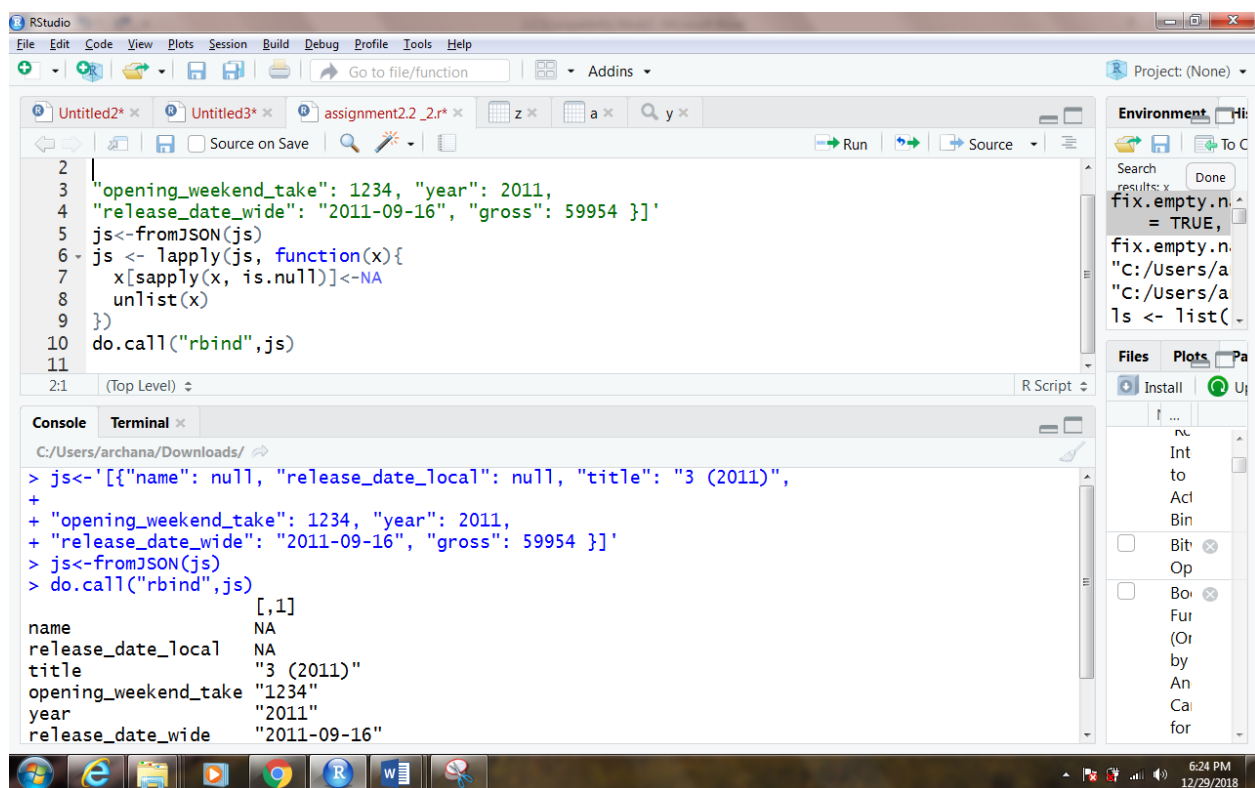
1. Parse the following JSON into a data frame

```

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

```

Ans:



3. Write a script for variable binning using R.

The screenshot shows the RStudio IDE interface. The top menu bar includes File, Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, and Help. Below the menu is a toolbar with icons for saving, running, and other functions. The main editor window displays a script with the following R code:

```
1 v<-1:4000
2 print v
3 print(v)
4 v<-seq(1:100)
5 print(v)
6 tapply(v,cut(v,60))
7
```

The console window at the bottom shows the output of the code:

```
> print(v)
[1] 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
[23] 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44
[45] 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66
[67] 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88
[89] 89 90 91 92 93 94 95 96 97 98 99 100
> tapply(v,cut(v,60))
[1] 1 1 2 2 3 4 4 5 5 6 7 7 8 8 9 10 10 11 11 12 13 13 14 14 15 16 16 17 17
[30] 18 19 19 20 20 21 22 22 23 24 24 25 25 26 27 27 28 28 29 30 30 31 31 32 33 33 34 34 35
[59] 36 36 37 37 38 39 39 40 40 41 42 42 43 44 44 45 45 46 47 47 48 48 49 50 50 51 51 52 53
[88] 53 54 54 55 56 56 57 57 58 59 59 60 60
> print
```

The right sidebar shows the Environment pane with a search bar and a list of objects. The Files pane shows the current directory structure.

