

Assignment 2.2

Problem Statement

1. Read multiple json files into a working directory for further converting into a dataset.

Answer

```
library(purrr)
```

```
library(tidyverse)
```

```
library(jsonlite)
```

```
#Defining my directory
```

```
path <- "C:/Desktop/JSONFILES"
```

```
files <- dir(path, pattern = "*.json")
```

```
#Transferring all the files into 1 dataframe
```

```
data <- files %>%
```

```
  map_df(~fromJSON(file.path(path, .), flatten = TRUE))
```

2. Parse the following JSON into a data frame

Answer

```
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(rjson)
```

```
#Assigning JSON to a variable js
```

```
js <- fromJSON(js)
```

```
#Converting null values to NA
```

```
js <- lapply(js, function(x) {
```

```
  x[sapply(x, is.null)] <- NA
```

```
    unlist(x)
  })
#Calling the result
do.call("rbind", js)
```

3. Write a script for variable binning using R.

Answer

#Creating a Dataset

```
dataset <- c(4,7,9,1,10,15,18,19,3,16,10,16,12,22,2,23,16,17)
```

#Making Bins

```
a<- data.frame(dataset, bin=cut(dataset, c(1,4,9,17,23), include.lowest=TRUE))
```