Data607_Assignment5_Rajan

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```r
library(RCurl)
```

```
## Loading required package: bitops
```

```r
library(XML)
library(jsonlite)
library(data.table)

url1="https://raw.githubusercontent.com/RAJANCUNYSPSDATA607/DATA607/master/Data607_Assignment5_Html"
url2="https://raw.githubusercontent.com/RAJANCUNYSPSDATA607/DATA607/master/Dat607_Assign5_json"
url3="https://raw.githubusercontent.com/RAJANCUNYSPSDATA607/DATA607/master/Data_607_Assignment5_XML"

html= getURL(url1)
xml =getURL(url3)
json = getURL(url2)

table = readHTMLTable(html, header = TRUE)
htmlDF = data.frame(table )
colnames( htmlDF) = c("Title","Authors","Genre","YearPublished")
htmlDF
```

```
##                     Title                             Authors
## 1          War & Peace                           Leo Tolstoy
## 2 A Brief History Of Time                       Stephen Hawking
## 3   Principia Mathematica Bertrand Russell, Alfred North Whitehead
##               Genre YearPublished
## 1 Historical Fiction          1867
## 2     Popular Science          1988
## 3         Philosophy          1910
```

```r
xmlh = xmlParse(xml)
xmlDF = xmlToDataFrame(xmlh)
xmlDF
```

```
##                     title                           authorname
## 1          War And Peace                           Leo Tolstoy
## 2 A Brief History Of Time                       Stephen Hawking
## 3   Principia Mathamatica Bertrand Russell,Alfred North Whitehead
##               Genre yearpublished
## 1 Historical Fiction          1867
## 2     Popular Science          1988
## 3         Philosophy          1910
```

```r
jsonL = fromJSON(json)
jsonL
```

```
## $fbooks
##                     title                           authors
## 1          War & Peace                           Leo Tolstoy
## 2 A Brief History Of Time                       Stephen Hawking
```

```
## 3   Principia Mathamatica Bertrand Russell, Alfred North Whitehead
##                 Genre yearpublished
## 1 Historical Fiction         1867
## 2    Popular Science         1988
## 3        Philosophy          1911
## from the HTML ,Json & XML files though have different formats reading them into a data frame can prov
```