

CUNY MSDS 607 Project

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In this project, we were given a text file with chess tournament results where the information has some structure. My job was to create an R Markdown file that generates a .CSV file with the following information for all of the players:

- Player's Name
- Player's State
- Total Number of Points
- Player's Pre-Rating
- Average Pre Chess Rating of Opponents

Load data into R data frame

```
mydata <- read.table("https://raw.githubusercontent.com/ajbentley/cuny_ms_ds/master/607/
tournamentinfo.txt", header = TRUE, skip = 1, sep = "|", fill=TRUE)
```

Plan of attack

Create vectors for each of the requested data (Player's Name, Player's State, Total Number of Points, Player's Pre-Rating, and Average Pre Chess Rating of Opponents), then merge them into a dataframe.

```
namevector <- mydata[['Player.Name']]

name <- namevector[seq(3, length(namevector), 3)]

dfs <- data.frame(name)
head(dfs)
```

```
##                                name
## 1  GARY HUA
## 2  DAKSHESH DARURI
## 3  ADITYA BAJAJ
## 4  PATRICK H SCHILLING
## 5  HANSHI ZUO
## 6  HANSEN SONG
```

```
statevector <- mydata[['Pair']]

state <- statevector[seq(4, length(statevector), 3)]

dfs$state <- state
head(dfs)
```

