Project 1

Zachary Palmore

9/17/2020

Chess Tournament Text Conversion

Directions

In this project, you're given a text file with chess tournament results where the information has some structure. Your job is to create an R Markdown file that generates a .CSV file (that could for example be imported into a SQL database) with the following information for all of the players:

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

For the first player, the information would be: Gary Hua, ON, 6.0, 1794, 1605

1605 was calculated by using the pre-tournament opponents' ratings of 1436, 1563, 1600, 1610, 1649, 1663, 1716, and dividing by the total number of games played.

Step 1

Importing the text file

```
library(readr)
tournamentinfo <- read_delim("C:/GitHub/msdsdata607/tournamentinfo.txt",
    "|", escape_double = FALSE, comment = "--",
    trim_ws = TRUE)
```

```
## Warning: Missing column names filled in: 'X11' [11]
```

```
## Warning: Duplicated column names deduplicated: 'Round' => 'Round_1' [5], 'Round'
## => 'Round_2' [6], 'Round' => 'Round_3' [7], 'Round' => 'Round_4' [8], 'Round' =>
## 'Round_5' [9], 'Round' => 'Round_6' [10]
```

```
## Parsed with column specification:
## cols(
##   Pair = col_character(),
##   `Player Name` = col_character(),
##   Total = col_character(),
##   Round = col_character(),
##   Round_1 = col_character(),
##   Round_2 = col_character(),
##   Round_3 = col_character(),
##   Round_4 = col_character(),
##   Round_5 = col_character(),
##   Round_6 = col_character(),
##   X11 = col_logical()
## )
```

```
View(tournamentinfo)
```