data607_project1

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2022-09-25

```
library(tidyverse)
```

```
## -- Attaching packages --------------------------------------- tidyverse 1.3.2 --
## v ggplot2 3.3.6      v purrr   0.3.4
## v tibble  3.1.7      v dplyr   1.0.9
## v tidyr   1.2.0      v stringr 1.4.0
## v readr   2.1.2      v forcats 0.5.2
## -- Conflicts ------------------------------------------ tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
```

```
library(knitr)
library(stringr)
library(tidyr)
```

```
chess_data <- read.delim("https://raw.githubusercontent.com/karmaggyatso/CUNY_SPS/main/Github_data607/p

head(chess_data, n = 80)
```

```
##                                                                                  V1
## 1   --------------------------------------------------------------------------------
## 2    Pair | Player Name                    |Total|Round|Round|Round|Round|Round|Round|Round|
## 3    Num  | USCF ID / Rtg (Pre->Post)      | Pts |  1  |  2  |  3  |  4  |  5  |  6  |  7  |
## 4   --------------------------------------------------------------------------------
## 5      1 | GARY HUA                        |6.0  |W  39|W  21|W  18|W  14|W   7|D  12|D   4|
## 6     ON | 15445895 / R: 1794    ->1817    |N:2  |W    |B    |W    |B    |W    |B    |W    |
## 7   --------------------------------------------------------------------------------
## 8      2 | DAKSHESH DARURI                 |6.0  |W  63|W  58|L   4|W  17|W  16|W  20|W   7|
## 9     MI | 14598900 / R: 1553    ->1663    |N:2  |B    |W    |B    |W    |B    |W    |B    |
## 10  --------------------------------------------------------------------------------
## 11     3 | ADITYA BAJAJ                    |6.0  |L   8|W  61|W  25|W  21|W  11|W  13|W  12|
## 12    MI | 14959604 / R: 1384    ->1640    |N:2  |W    |B    |W    |B    |W    |B    |W    |
## 13  --------------------------------------------------------------------------------
## 14     4 | PATRICK H SCHILLING             |5.5  |W  23|D  28|W   2|W  26|D   5|W  19|D   1|
## 15    MI | 12616049 / R: 1716    ->1744    |N:2  |W    |B    |W    |B    |W    |B    |B    |
## 16  --------------------------------------------------------------------------------
## 17     5 | HANSHI ZUO                      |5.5  |W  45|W  37|D  12|D  13|D   4|W  14|W  17|
## 18    MI | 14601533 / R: 1655    ->1690    |N:2  |B    |W    |B    |W    |B    |W    |B    |
## 19  --------------------------------------------------------------------------------
## 20     6 | HANSEN SONG                     |5.0  |W  34|D  29|L  11|W  35|D  10|W  27|W  21|
```

```
## 21        OH | 15055204 / R: 1686    ->1687    |N:3  |W    |B    |W    |B    |B    |W    |B    |
## 22 ----------------------------------------------------------------------------------------------
## 23         7 | GARY DEE SWATHELL                |5.0  |W  57|W  46|W  13|W  11|L   1|W   9|L   2|
## 24        MI | 11146376 / R: 1649    ->1673    |N:3  |W    |B    |W    |B    |B    |W    |W    |
## 25 ----------------------------------------------------------------------------------------------
## 26         8 | EZEKIEL HOUGHTON                 |5.0  |W   3|W  32|L  14|L   9|W  47|W  28|W  19|
## 27        MI | 15142253 / R: 1641P17->1657P24  |N:3  |B    |W    |B    |W    |B    |W    |W    |
## 28 ----------------------------------------------------------------------------------------------
## 29         9 | STEFANO LEE                      |5.0  |W  25|L  18|W  59|W   8|W  26|L   7|W  20|
## 30        ON | 14954524 / R: 1411    ->1564    |N:2  |W    |B    |W    |B    |W    |B    |B    |
## 31 ----------------------------------------------------------------------------------------------
## 32        10 | ANVIT RAO                        |5.0  |D  16|L  19|W  55|W  31|D   6|W  25|W  18|
## 33        MI | 14150362 / R: 1365    ->1544    |N:3  |W    |W    |B    |B    |W    |B    |W    |
## 34 ----------------------------------------------------------------------------------------------
## 35        11 | CAMERON WILLIAM MC LEMAN         |4.5  |D  38|W  56|W   6|L   7|L   3|W  34|W  26|
## 36        MI | 12581589 / R: 1712    ->1696    |N:3  |B    |W    |B    |W    |B    |W    |B    |
## 37 ----------------------------------------------------------------------------------------------
## 38        12 | KENNETH J TACK                   |4.5  |W  42|W  33|D   5|W  38|H    |D   1|L   3|
## 39        MI | 12681257 / R: 1663    ->1670    |N:3  |W    |B    |W    |B    |     |W    |B    |
## 40 ----------------------------------------------------------------------------------------------
## 41        13 | TORRANCE HENRY JR                |4.5  |W  36|W  27|L   7|D   5|W  33|L   3|W  32|
## 42        MI | 15082995 / R: 1666    ->1662    |N:3  |B    |W    |B    |B    |W    |W    |B    |
## 43 ----------------------------------------------------------------------------------------------
## 44        14 | BRADLEY SHAW                     |4.5  |W  54|W  44|W   8|L   1|D  27|L   5|W  31|
## 45        MI | 10131499 / R: 1610    ->1618    |N:3  |W    |B    |W    |W    |B    |B    |W    |
## 46 ----------------------------------------------------------------------------------------------
## 47        15 | ZACHARY JAMES HOUGHTON           |4.5  |D  19|L  16|W  30|L  22|W  54|W  33|W  38|
## 48        MI | 15619130 / R: 1220P13->1416P20  |N:3  |B    |B    |W    |W    |B    |B    |W    |
## 49 ----------------------------------------------------------------------------------------------
## 50        16 | MIKE NIKITIN                     |4.0  |D  10|W  15|H    |W  39|L   2|W  36|U    |
## 51        MI | 10295068 / R: 1604    ->1613    |N:3  |B    |W    |     |B    |W    |B    |     |
## 52 ----------------------------------------------------------------------------------------------
## 53        17 | RONALD GRZEGORCZYK               |4.0  |W  48|W  41|L  26|L   2|W  23|W  22|L   5|
## 54        MI | 10297702 / R: 1629    ->1610    |N:3  |W    |B    |W    |B    |W    |B    |W    |
## 55 ----------------------------------------------------------------------------------------------
## 56        18 | DAVID SUNDEEN                    |4.0  |W  47|W   9|L   1|W  32|L  19|W  38|L  10|
## 57        MI | 11342094 / R: 1600    ->1600    |N:3  |B    |W    |B    |W    |B    |W    |B    |
## 58 ----------------------------------------------------------------------------------------------
## 59        19 | DIPANKAR ROY                     |4.0  |D  15|W  10|W  52|D  28|W  18|L   4|L   8|
## 60        MI | 14862333 / R: 1564    ->1570    |N:3  |W    |B    |W    |B    |W    |W    |B    |
## 61 ----------------------------------------------------------------------------------------------
## 62        20 | JASON ZHENG                      |4.0  |L  40|W  49|W  23|W  41|W  28|L   2|L   9|
## 63        MI | 14529060 / R: 1595    ->1569    |N:4  |W    |B    |W    |B    |W    |B    |W    |
## 64 ----------------------------------------------------------------------------------------------
## 65        21 | DINH DANG BUI                    |4.0  |W  43|L   1|W  47|L   3|W  40|W  39|L   6|
## 66        ON | 15495066 / R: 1563P22->1562     |N:3  |B    |W    |B    |W    |W    |B    |W    |
## 67 ----------------------------------------------------------------------------------------------
## 68        22 | EUGENE L MCCLURE                 |4.0  |W  64|D  52|L  28|W  15|H    |L  17|W  40|
## 69        MI | 12405534 / R: 1555    ->1529    |N:4  |W    |B    |W    |B    |     |W    |B    |
## 70 ----------------------------------------------------------------------------------------------
## 71        23 | ALAN BUI                         |4.0  |L   4|W  43|L  20|W  58|L  17|W  37|W  46|
## 72        ON | 15030142 / R: 1363    ->1371    |     |B    |W    |B    |W    |B    |W    |B    |
## 73 ----------------------------------------------------------------------------------------------
## 74        24 | MICHAEL R ALDRICH                |4.0  |L  28|L  47|W  43|L  25|W  60|W  44|W  39|
```

```
## 75      MI | 13469010 / R: 1229    ->1300      |N:4 |B     |W     |B     |B     |W     |W     |B     |
## 76   -------------------------------------------------------------------------------------------
## 77      25 | LOREN SCHWIEBERT                  |3.5 |L    9|W   53|L    3|W   24|D   34|L   10|W   47|
## 78      MI | 12486656 / R: 1745    ->1681      |N:4 |B     |W     |B     |W     |B     |W     |B     |
## 79   -------------------------------------------------------------------------------------------
## 80      26 | MAX ZHU                           |3.5 |W   49|W   40|W   17|L    4|L    9|D   32|L   11|
```

```r
split_data <- data.frame(str_replace_all(chess_data$V1,"-",""))
head(split_data)
```

```
##                                                    str_replace_all.chess_data.V1..........
## 1
## 2  Pair | Player Name                     |Total|Round|Round|Round|Round|Round|Round|Round|
## 3   Num  | USCF ID / Rtg (Pre>Post)        | Pts |  1  |  2  |  3  |  4  |  5  |  6  |  7  |
## 4
## 5      1 | GARY HUA                        |6.0  |W   39|W   21|W   18|W   14|W    7|D   12|D    4|
## 6      ON | 15445895 / R: 1794    >1817    |N:2 |W     |B     |W     |B     |W     |B     |W     |
```

```r
split_data <- data.frame(split_data[!apply(split_data == "", 1, all),])
head(split_data)
```

```
##                                                    split_data..apply.split_data........1..all....
## 1  Pair | Player Name                     |Total|Round|Round|Round|Round|Round|Round|Round|
## 2   Num  | USCF ID / Rtg (Pre>Post)        | Pts |  1  |  2  |  3  |  4  |  5  |  6  |  7  |
## 3      1 | GARY HUA                        |6.0  |W   39|W   21|W   18|W   14|W    7|D   12|D    4|
## 4      ON | 15445895 / R: 1794    >1817    |N:2 |W     |B     |W     |B     |W     |B     |W     |
## 5      2 | DAKSHESH DARURI                 |6.0  |W   63|W   58|L    4|W   17|W   16|W   20|W    7|
## 6      MI | 14598900 / R: 1553    >1663    |N:2 |B     |W     |B     |W     |B     |W     |B     |
```

```r
temp_table <- data.frame(c())

for (i in 1:dim(split_data)[1]){
  if (i %% 2 == 1) {
    Part1 <- rbind(temp_table$Part1, as.character(split_data[i,1]))
    Part2 <- as.character(split_data[i+1,1])
    Combined <- data.frame(paste0(Part1, Part2))
    names(Combined) <- "Combined"
    temp_table <- rbind(temp_table, Combined)
  }
}

head(temp_table)
```

```
##
## 1  Pair | Player Name                     |Total|Round|Round|Round|Round|Round|Round|Round|  Num  | U
## 2      1 | GARY HUA                        |6.0  |W   39|W   21|W   18|W   14|W    7|D   12|D    4|   ON |
## 3      2 | DAKSHESH DARURI                 |6.0  |W   63|W   58|L    4|W   17|W   16|W   20|W    7|   MI |
## 4      3 | ADITYA BAJAJ                    |6.0  |L    8|W   61|W   25|W   21|W   11|W   13|W   12|   MI |
## 5      4 | PATRICK H SCHILLING             |5.5  |W   23|D   28|W    2|W   26|D    5|W   19|D    1|   MI |
## 6      5 | HANSHI ZUO                      |5.5  |W   45|W   37|D   12|D   13|D    4|W   14|W   17|   MI |
```

```r
Headers <- c("Pair","Player Name","Total","Round 1","Round 2","Round 3", "Round 4","Round 5","Round 6",

newer_table <- separate(data = temp_table, col = Combined, into = Headers, sep = "\\|")
# Need to clear row containing all columns names
newer_table <- newer_table[-c(1), ]

head(newer_table)
```

```
##      Pair                       Player Name Total Round 1 Round 2 Round 3
## 2      1   GARY HUA                            6.0    W  39    W  21    W  18
## 3      2   DAKSHESH DARURI                     6.0    W  63    W  58    L   4
## 4      3   ADITYA BAJAJ                        6.0    L   8    W  61    W  25
## 5      4   PATRICK H SCHILLING                 5.5    W  23    D  28    W   2
## 6      5   HANSHI ZUO                          5.5    W  45    W  37    D  12
## 7      6   HANSEN SONG                         5.0    W  34    D  29    L  11
##    Round 4 Round 5 Round 6 Round 7  State       USCF ID / Rtg (Pre->Post)   Pts
## 2    W  14    W   7    D  12    D   4     ON   15445895 / R: 1794   >1817       N:2
## 3    W  17    W  16    W  20    W   7     MI   14598900 / R: 1553   >1663       N:2
## 4    W  21    W  11    W  13    W  12     MI   14959604 / R: 1384   >1640       N:2
## 5    W  26    D   5    W  19    D   1     MI   12616049 / R: 1716   >1744       N:2
## 6    D  13    D   4    W  14    W  17     MI   14601533 / R: 1655   >1690       N:2
## 7    W  35    D  10    W  27    W  21     OH   15055204 / R: 1686   >1687       N:3
##       1     2     3     4     5     6   7 Ave Pre Rating
## 2 W     B     W     B     W     B     W
## 3 B     W     B     W     B     W     B
## 4 W     B     W     B     W     B     W
## 5 W     B     W     B     W     B     B
## 6 B     W     B     W     B     W     B
## 7 W     B     W     B     B     W     B
```

```r
temp <- str_extract_all(newer_table$`USCF ID / Rtg (Pre->Post)`,"\\b\\d{1,}")
temp <- data.frame(as.character(temp))
# Separating the data frame from one couln to three different columns
temp <- separate(data = temp, col = as.character.temp., into = c("col1","col2","col3"), sep = ",")
kable(head(temp))
```

col1	col2	col3
c("15445895"	"1794"	"1817")
c("14598900"	"1553"	"1663")
c("14959604"	"1384"	"1640")
c("12616049"	"1716"	"1744")
c("14601533"	"1655"	"1690")
c("15055204"	"1686"	"1687")

```r
temp$col1
```

```
##  [1] "c(\"15445895\""  "c(\"14598900\""  "c(\"14959604\""  "c(\"12616049\""
##  [5] "c(\"14601533\""  "c(\"15055204\""  "c(\"11146376\""  "c(\"15142253\""
##  [9] "c(\"14954524\""  "c(\"14150362\""  "c(\"12581589\""  "c(\"12681257\""
## [13] "c(\"15082995\""  "c(\"10131499\""  "c(\"15619130\""  "c(\"10295068\""
```

```
## [17] "c(\"10297702\"" "c(\"11342094\"" "c(\"14862333\"" "c(\"14529060\""
## [21] "c(\"15495066\"" "c(\"12405534\"" "c(\"15030142\"" "c(\"13469010\""
## [25] "c(\"12486656\"" "c(\"15131520\"" "c(\"14476567\"" "c(\"14882954\""
## [29] "c(\"15323285\"" "c(\"12577178\"" "c(\"15131618\"" "c(\"14073750\""
## [33] "c(\"14691842\"" "c(\"15051807\"" "c(\"14601397\"" "c(\"14773163\""
## [37] "c(\"15489571\"" "c(\"15108523\"" "c(\"12923035\"" "c(\"14892710\""
## [41] "c(\"15761443\"" "c(\"14462326\"" "c(\"14101068\"" "c(\"15323504\""
## [45] "c(\"15372807\"" "c(\"15490981\"" "c(\"12533115\"" "c(\"14369165\""
## [49] "c(\"12531685\"" "c(\"14773178\"" "c(\"15205474\"" "c(\"14918803\""
## [53] "c(\"12578849\"" "c(\"12836773\"" "c(\"15412571\"" "c(\"14679887\""
## [57] "c(\"15113330\"" "c(\"14700365\"" "c(\"12841036\"" "c(\"14579262\""
## [61] "c(\"15771592\"" "c(\"15219542\"" "c(\"15057092\"" "c(\"15006561\""
```

```r
col1 <- str_extract_all(temp$col1,"[[:digit:]]{1,}")
col2 <- str_extract_all(temp$col2,"[[:digit:]]{1,}")
col3 <- str_extract_all(temp$col3,"[[:digit:]]{1,}")


newer_table$`USCF ID` <- as.character(col1)
newer_table$`Pre Rating` <- as.character(col2)
newer_table$`Post Rating` <- as.character(col3)
head(newer_table)
```

```
##    Pair                 Player Name Total Round 1 Round 2 Round 3
## 2     1  GARY HUA                     6.0    W  39    W  21    W  18
## 3     2  DAKSHESH DARURI              6.0    W  63    W  58    L   4
## 4     3  ADITYA BAJAJ                 6.0    L   8    W  61    W  25
## 5     4  PATRICK H SCHILLING          5.5    W  23    D  28    W   2
## 6     5  HANSHI ZUO                   5.5    W  45    W  37    D  12
## 7     6  HANSEN SONG                  5.0    W  34    D  29    L  11
##   Round 4 Round 5 Round 6 Round 7 State      USCF ID / Rtg (Pre->Post)   Pts
## 2   W  14    W   7    D  12    D   4    ON  15445895 / R: 1794   >1817     N:2
## 3   W  17    W  16    W  20    W   7    MI  14598900 / R: 1553   >1663     N:2
## 4   W  21    W  11    W  13    W  12    MI  14959604 / R: 1384   >1640     N:2
## 5   W  26    D   5    W  19    D   1    MI  12616049 / R: 1716   >1744     N:2
## 6   D  13    D   4    W  14    W  17    MI  14601533 / R: 1655   >1690     N:2
## 7   W  35    D  10    W  27    W  21    OH  15055204 / R: 1686   >1687     N:3
##      1    2    3    4    5    6   7 Ave Pre Rating  USCF ID Pre Rating
## 2 W    B    W    B    W    B    W                    15445895       1794
## 3 B    W    B    W    B    W    B                    14598900       1553
## 4 W    B    W    B    W    B    W                    14959604       1384
## 5 W    B    W    B    W    B    B                    12616049       1716
## 6 B    W    B    W    B    W    B                    14601533       1655
## 7 W    B    W    B    B    W    B                    15055204       1686
##   Post Rating
## 2        1817
## 3        1663
## 4        1640
## 5        1744
## 6        1690
## 7        1687
```

```r
csv.table <- subset(newer_table, select = c(1,2,3,4,5,6,7,8,9,10, 11, 21, 22, 23,24, 13, 14))
kable(head(csv.table))
```

	Pair	Player Name	Total	Round 1	Round 2	Round 3	Round 4	Round 5	Round 6	Round 7	Ave Pre Rating State	USCF ID	Pre Rating	Post Rating	Pts 1
2	1	GARY HUA	6.0	W 39	W 21	W 18	W 14	W 7	D 12	D 4	ON	1544589794	1817		N:2 W
3	2	DAKSHESH DARURI	6.0	W 63	W 58	L 4	W 17	W 16	W 20	W 7	MI	1459891053	1663		N:2 B
4	3	ADITYA BAJAJ	6.0	L 8	W 61	W 25	W 21	W 11	W 13	W 12	MI	1495961384	1640		N:2 W
5	4	PATRICK H SCHILLING	5.5	W 23	D 28	W 2	W 26	D 5	W 19	D 1	MI	1261604916	1744		N:2 W
6	5	HANSHI ZUO	5.5	W 45	W 37	D 12	D 13	D 4	W 14	W 17	MI	1460153655	1690		N:2 B
7	6	HANSEN SONG	5.0	W 34	D 29	L 11	W 35	D 10	W 27	W 21	OH	1505520686	1687		N:3 W

```r
csv.table
```

```
##      Pair                    Player Name Total Round 1 Round 2 Round 3
## 2       1  GARY HUA                        6.0  W   39  W   21  W   18
## 3       2  DAKSHESH DARURI                 6.0  W   63  W   58  L    4
## 4       3  ADITYA BAJAJ                    6.0  L    8  W   61  W   25
## 5       4  PATRICK H SCHILLING             5.5  W   23  D   28  W    2
## 6       5  HANSHI ZUO                      5.5  W   45  W   37  D   12
## 7       6  HANSEN SONG                     5.0  W   34  D   29  L   11
## 8       7  GARY DEE SWATHELL               5.0  W   57  W   46  W   13
## 9       8  EZEKIEL HOUGHTON                5.0  W    3  W   32  L   14
## 10      9  STEFANO LEE                     5.0  W   25  L   18  W   59
## 11     10  ANVIT RAO                       5.0  D   16  L   19  W   55
## 12     11  CAMERON WILLIAM MC LEMAN        4.5  D   38  W   56  W    6
## 13     12  KENNETH J TACK                  4.5  W   42  W   33  D    5
## 14     13  TORRANCE HENRY JR               4.5  W   36  W   27  L    7
## 15     14  BRADLEY SHAW                    4.5  W   54  W   44  W    8
## 16     15  ZACHARY JAMES HOUGHTON          4.5  D   19  L   16  W   30
## 17     16  MIKE NIKITIN                    4.0  D   10  W   15  H
## 18     17  RONALD GRZEGORCZYK              4.0  W   48  W   41  L   26
## 19     18  DAVID SUNDEEN                   4.0  W   47  W    9  L    1
## 20     19  DIPANKAR ROY                    4.0  D   15  W   10  W   52
## 21     20  JASON ZHENG                     4.0  L   40  W   49  W   23
## 22     21  DINH DANG BUI                   4.0  W   43  L    1  W   47
## 23     22  EUGENE L MCCLURE                4.0  W   64  D   52  L   28
## 24     23  ALAN BUI                        4.0  L    4  W   43  L   20
## 25     24  MICHAEL R ALDRICH               4.0  L   28  L   47  W   43
## 26     25  LOREN SCHWIEBERT                3.5  L    9  W   53  L    3
## 27     26  MAX ZHU                         3.5  W   49  W   40  W   17
## 28     27  GAURAV GIDWANI                  3.5  W   51  L   13  W   46
```

6

##		Name	Score	R1		R2		R3	
## 29	28	SOFIA ADINA STANESCUBELLU	3.5	W	24	D	4	W	22
## 30	29	CHIEDOZIE OKORIE	3.5	W	50	D	6	L	38
## 31	30	GEORGE AVERY JONES	3.5	L	52	D	64	L	15
## 32	31	RISHI SHETTY	3.5	L	58	D	55	W	64
## 33	32	JOSHUA PHILIP MATHEWS	3.5	W	61	L	8	W	44
## 34	33	JADE GE	3.5	W	60	L	12	W	50
## 35	34	MICHAEL JEFFERY THOMAS	3.5	L	6	W	60	L	37
## 36	35	JOSHUA DAVID LEE	3.5	L	46	L	38	W	56
## 37	36	SIDDHARTH JHA	3.5	L	13	W	57	W	51
## 38	37	AMIYATOSH PWNANANDAM	3.5	B		L	5	W	34
## 39	38	BRIAN LIU	3.0	D	11	W	35	W	29
## 40	39	JOEL R HENDON	3.0	L	1	W	54	W	40
## 41	40	FOREST ZHANG	3.0	W	20	L	26	L	39
## 42	41	KYLE WILLIAM MURPHY	3.0	W	59	L	17	W	58
## 43	42	JARED GE	3.0	L	12	L	50	L	57
## 44	43	ROBERT GLEN VASEY	3.0	L	21	L	23	L	24
## 45	44	JUSTIN D SCHILLING	3.0	B		L	14	L	32
## 46	45	DEREK YAN	3.0	L	5	L	51	D	60
## 47	46	JACOB ALEXANDER LAVALLEY	3.0	W	35	L	7	L	27
## 48	47	ERIC WRIGHT	2.5	L	18	W	24	L	21
## 49	48	DANIEL KHAIN	2.5	L	17	W	63	H	
## 50	49	MICHAEL J MARTIN	2.5	L	26	L	20	D	63
## 51	50	SHIVAM JHA	2.5	L	29	W	42	L	33
## 52	51	TEJAS AYYAGARI	2.5	L	27	W	45	L	36
## 53	52	ETHAN GUO	2.5	W	30	D	22	L	19
## 54	53	JOSE C YBARRA	2.0	H		L	25	H	
## 55	54	LARRY HODGE	2.0	L	14	L	39	L	61
## 56	55	ALEX KONG	2.0	L	62	D	31	L	10
## 57	56	MARISA RICCI	2.0	H		L	11	L	35
## 58	57	MICHAEL LU	2.0	L	7	L	36	W	42
## 59	58	VIRAJ MOHILE	2.0	W	31	L	2	L	41
## 60	59	SEAN M MC CORMICK	2.0	L	41	B		L	9
## 61	60	JULIA SHEN	1.5	L	33	L	34	D	45
## 62	61	JEZZEL FARKAS	1.5	L	32	L	3	W	54
## 63	62	ASHWIN BALAJI	1.0	W	55	U		U	
## 64	63	THOMAS JOSEPH HOSMER	1.0	L	2	L	48	D	49
## 65	64	BEN LI	1.0	L	22	D	30	L	31

##	Round 4		Round 5		Round 6		Round 7		State	Ave Pre Rating	USCF ID	Pre Rating
## 2	W	14	W	7	D	12	D	4	ON		15445895	1794
## 3	W	17	W	16	W	20	W	7	MI		14598900	1553
## 4	W	21	W	11	W	13	W	12	MI		14959604	1384
## 5	W	26	D	5	W	19	D	1	MI		12616049	1716
## 6	D	13	D	4	W	14	W	17	MI		14601533	1655
## 7	W	35	D	10	W	27	W	21	OH		15055204	1686
## 8	W	11	L	1	W	9	L	2	MI		11146376	1649
## 9	L	9	W	47	W	28	W	19	MI		15142253	1641
## 10	W	8	W	26	L	7	W	20	ON		14954524	1411
## 11	W	31	D	6	W	25	W	18	MI		14150362	1365
## 12	L	7	L	3	W	34	W	26	MI		12581589	1712
## 13	W	38	H		D	1	L	3	MI		12681257	1663
## 14	D	5	W	33	L	3	W	32	MI		15082995	1666
## 15	L	1	D	27	L	5	W	31	MI		10131499	1610
## 16	L	22	W	54	W	33	W	38	MI		15619130	1220
## 17	W	39	L	2	W	36	U		MI		10295068	1604

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## 18    L    2    W   23    W   22    L    5    MI              10297702        1629
## 19    W   32    L   19    W   38    L   10    MI              11342094        1600
## 20    D   28    W   18    L    4    L    8    MI              14862333        1564
## 21    W   41    W   28    L    2    L    9    MI              14529060        1595
## 22    L    3    W   40    W   39    L    6    ON              15495066        1563
## 23    W   15    H         L   17    W   40    MI              12405534        1555
## 24    W   58    L   17    W   37    W   46    ON              15030142        1363
## 25    L   25    W   60    W   44    W   39    MI              13469010        1229
## 26    W   24    D   34    L   10    W   47    MI              12486656        1745
## 27    L    4    L    9    D   32    L   11    ON              15131520        1579
## 28    W   37    D   14    L    6    U         MI              14476567        1552
## 29    D   19    L   20    L    8    D   36    MI              14882954        1507
## 30    L   34    W   52    W   48    U         MI              15323285        1602
## 31    W   55    L   31    W   61    W   50    ON              12577178        1522
## 32    L   10    W   30    W   50    L   14    MI              15131618        1494
## 33    L   18    W   51    D   26    L   13    ON              14073750        1441
## 34    D   36    L   13    L   15    W   51    MI              14691842        1449
## 35    W   29    D   25    L   11    W   52    MI              15051807        1399
## 36    L    6    W   57    D   52    W   48    MI              14601397        1438
## 37    D   33    H         L   16    D   28    MI              14773163        1355
## 38    L   27    H         L   23    W   61    MI              15489571         980
## 39    L   12    H         L   18    L   15    MI              15108523        1423
## 40    L   16    W   44    L   21    L   24    MI              12923035        1436
## 41    W   59    L   21    W   56    L   22    MI              14892710        1348
## 42    L   20    X         U         U         MI              15761443        1403
## 43    D   60    D   61    W   64    W   56    MI              14462326        1332
## 44    W   63    W   59    L   46    W   55    MI              14101068        1283
## 45    W   53    L   39    L   24    W   59    MI              15323504        1199
## 46    L   56    W   63    D   55    W   58    MI              15372807        1242
## 47    L   50    W   64    W   43    L   23    MI              15490981         377
## 48    W   61    L    8    D   51    L   25    MI              12533115        1362
## 49    D   52    H         L   29    L   35    MI              14369165        1382
## 50    D   64    W   58    H         U         MI              12531685        1291
## 51    W   46    H         L   31    L   30    MI              14773178        1056
## 52    W   57    L   32    D   47    L   33    MI              15205474        1011
## 53    D   48    L   29    D   35    L   34    MI              14918803         935
## 54    L   44    U         W   57    U         MI              12578849        1393
## 55    B         L   15    L   59    W   64    MI              12836773        1270
## 56    L   30    B         D   45    L   43    MI              15412571        1186
## 57    W   45    H         L   40    L   42    MI              14679887        1153
## 58    L   51    L   35    L   53    B         MI              15113330        1092
## 59    L   23    L   49    B         L   45    MI              14700365         917
## 60    L   40    L   43    W   54    L   44    MI              12841036         853
## 61    D   42    L   24    H         U         MI              14579262         967
## 62    L   47    D   42    L   30    L   37    ON              15771592         955
## 63    U         U         U         U         MI              15219542        1530
## 64    L   43    L   45    H         U         MI              15057092        1175
## 65    D   49    L   46    L   42    L   54    MI              15006561        1163
##     Post Rating   Pts      1
## 2           1817 N:2    W
## 3           1663 N:2    B
## 4           1640 N:2    W
## 5           1744 N:2    W
## 6           1690 N:2    B
```

```
## 7           1687 N:3    W
## 8           1673 N:3    W
## 9           1657 N:3    B
## 10          1564 N:2    W
## 11          1544 N:3    W
## 12          1696 N:3    B
## 13          1670 N:3    W
## 14          1662 N:3    B
## 15          1618 N:3    W
## 16          1416 N:3    B
## 17          1613 N:3    B
## 18          1610 N:3    W
## 19          1600 N:3    B
## 20          1570 N:3    W
## 21          1569 N:4    W
## 22          1562 N:3    B
## 23          1529 N:4    W
## 24          1371        B
## 25          1300 N:4    B
## 26          1681 N:4    B
## 27          1564 N:4    B
## 28          1539 N:4    W
## 29          1513 N:3    W
## 30          1508 N:4    B
## 31          1444        W
## 32          1444        B
## 33          1433 N:4    W
## 34          1421        B
## 35          1400        B
## 36          1392        W
## 37          1367 N:4    W
## 38          1077
## 39          1439 N:4    W
## 40          1413 N:4    B
## 41          1346        B
## 42          1341        B
## 43          1256        B
## 44          1244        W
## 45          1199
## 46          1191        W
## 47          1076        B
## 48          1341        W
## 49          1335        B
## 50          1259        W
## 51          1111        W
## 52          1097        B
## 53          1092 N:4    B
## 54          1359
## 55          1200        B
## 56          1163        W
## 57          1140
## 58          1079        B
## 59           941        W
## 60           878        W
```

```
## 61           984         W
## 62           979         B
## 63          1535         B
## 64          1125         W
## 65          1112         B
```