teams-cpmr

Charles Adedotun

2022-11-06

```
## Installing package into '/Users/runner/work/_temp/Library'
## (as 'lib' is unspecified)
```

```
##
## The downloaded binary packages are in
##   /var/folders/24/8k48jl6d249_n_qfxwsl6xvm0000gn/T//RtmpBDByfY/downloaded_packages
```

```
## -- Attaching packages --------------------------------------- tidyverse 1.3.2 --
## v ggplot2 3.4.0      v purrr   0.3.5
## v tibble  3.1.8      v dplyr   1.0.10
## v tidyr   1.2.1      v stringr 1.4.1
## v readr   2.1.3      v forcats 0.5.2
## -- Conflicts ------------------------------------------ tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
```

```r
raw_data <- read.csv("../scraped-data/discipline.csv")
raw_data <- as_tibble(raw_data)
```

```r
raw_columns <- raw_data %>% select(Team, Matches, Yellow.Cards)
head(raw_columns)
```

```
## # A tibble: 6 x 3
##   Team                     Matches Yellow.Cards
##   <chr>                      <int>        <int>
## 1 "  Wolverhampton Wanderers "    13           24
## 2 " Nottingham Forest "           13           33
## 3 "  Aston Villa "                13           27
## 4 "  West Ham United "            13           15
## 5 "  Southampton "                13           21
## 6 "  Everton "                    13           33
```

```r
new_table <- raw_columns %>% mutate(yellow_card_ratio = Yellow.Cards / Matches)
new_table <- new_table[order(-new_table$yellow_card_ratio),]
head(new_table)
```

```
## # A tibble: 6 x 4
##   Team                  Matches Yellow.Cards yellow_card_ratio
##   <chr>                   <int>        <int>             <dbl>
## 1 "  Manchester United "     12           33              2.75
```

```
## 2 "  Nottingham Forest "          13          33          2.54
## 3 "  Everton "                    13          33          2.54
## 4 "  Fulham "                     13          31          2.38
## 5 "  Crystal Palace "             12          28          2.33
## 6 "  Aston Villa "                13          27          2.08
```

```
data <- new_table %>% select(Team, yellow_card_ratio)
head(data)
```

```
## # A tibble: 6 x 2
##    Team                  yellow_card_ratio
##    <chr>                              <dbl>
## 1 "  Manchester United "              2.75
## 2 " Nottingham Forest "              2.54
## 3 "  Everton "                        2.54
## 4 "  Fulham "                         2.38
## 5 "  Crystal Palace "                 2.33
## 6 "  Aston Villa "                    2.08
```

```
write.csv(data, "../cleaned-data/teams-cpmr.csv", row.names = FALSE)
```