teams-cpmr

Charles Adedotun

2022-05-23

```
## 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//Rtmpg2tF0o/downloaded_packages


## -- Attaching packages --------------------------------------- tidyverse 1.3.1 --


## 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 0.5.1


## -- 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 " Norwich City "                   37           52
## 2 " Watford "                        37           57
## 3 " Burnley "                        37           67
## 4 " Wolverhampton Wanderers "        37           59
## 5 " Brighton and Hove Albion "       37           72
## 6 " Leeds United "                   37          100
```

```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 "  Leeds United "                37          100              2.70
## 2 "  Newcastle United "            37           79              2.14
## 3 "  Everton "                     37           77              2.08
## 4 "  Aston Villa "                 37           77              2.08
## 5 "  Brighton and Hove Albion "    37           72              1.95
## 6 "  Manchester United "           37           71              1.92
```

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

```
## # A tibble: 6 x 2
##    Team                        yellow_card_ratio
##    <chr>                                   <dbl>
## 1 "  Leeds United "                        2.70
## 2 "  Newcastle United "                    2.14
## 3 "  Everton "                             2.08
## 4 "  Aston Villa "                         2.08
## 5 "  Brighton and Hove Albion "            1.95
## 6 "  Manchester United "                   1.92
```

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