teams-cpmr

Charles Adedotun

2022-07-26

```
## 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//RtmpuXbKM2/downloaded_packages

## -- Attaching packages --------------------------------------- tidyverse 1.3.2 --
## v ggplot2 3.3.6     v purrr   0.3.4
## v tibble  3.1.8     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 "               38           55
## 2 "  Watford "                    38           57
## 3 "  Burnley "                    38           68
## 4 "  Wolverhampton Wanderers "    38           59
## 5 "  Leeds United "               38          101
## 6 "  Brighton and Hove Albion "   38           73
```

```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 "          38          101              2.66
```

```
## 2 "  Newcastle United "                38           79              2.08
## 3 "  Aston Villa "                      38           79              2.08
## 4 "  Everton "                          38           78              2.05
## 5 "  Manchester United "                38           75              1.97
## 6 "  Brighton and Hove Albion "         38           73              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 "                      2.66
## 2 "  Newcastle United "                  2.08
## 3 "  Aston Villa "                        2.08
## 4 "  Everton "                            2.05
## 5 "  Manchester United "                 1.97
## 6 "  Brighton and Hove Albion "          1.92
```

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