teams-cpmr

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```
## 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//Rtmpxnoebi/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 "  Manchester United "          36           69
## 2 "  Brighton and Hove Albion " 35           70
## 3 "  Newcastle United "           35           76
## 4 "  Brentford "                  35           56
## 5 "  Southampton "                35           59
## 6 "  West Ham United "            35           42
```

```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 "                 34           94              2.76
## 2 "  Aston Villa "                  33           74              2.24
## 3 "  Everton "                      33           73              2.21
## 4 "  Newcastle United "             35           76              2.17
## 5 "  Brighton and Hove Albion "     35           70              2
## 6 "  Manchester United "            36           69              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 "                         2.76
## 2 "  Aston Villa "                          2.24
## 3 "  Everton "                              2.21
## 4 "  Newcastle United "                     2.17
## 5 "  Brighton and Hove Albion "             2
## 6 "  Manchester United "                    1.92
```

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