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//RtmpfWNfQF/downloaded_packages
```

```
## -- Attaching packages --------------------------------------- tidyverse 1.3.2 --
## v ggplot2 3.3.6      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 "      9           16
## 2 "  Aston Villa "                  9           23
## 3 " Nottingham Forest "             9           27
## 4 "  Southampton "                  9           12
## 5 "  West Ham United "              9           11
## 6 "  Bournemouth "                  9           16
```

```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 " Nottingham Forest "       9           27                 3
```

```
## 2 "  Manchester United "            8           24           3
## 3 "  Fulham "                       9           26           2.89
## 4 "  Aston Villa "                  9           23           2.56
## 5 "  Leeds United "                 8           19           2.38
## 6 "  Everton "                      9           21           2.33
```

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

```
## # A tibble: 6 x 2
##    Team                 yellow_card_ratio
##    <chr>                            <dbl>
## 1 " Nottingham Forest "                3
## 2 "  Manchester United "               3
## 3 "  Fulham "                          2.89
## 4 "  Aston Villa "                     2.56
## 5 "  Leeds United "                    2.38
## 6 "  Everton "                         2.33
```

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