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//RtmpT1Hr9S/downloaded_packages


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


## v ggplot2 3.3.5     v purrr   0.3.4
## v tibble  3.1.6     v dplyr   1.0.8
## 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 "  Brentford "                  33           54
## 2 "  West Ham United "             33           40
## 3 "  Norwich City "               32           47
## 4 "  Brighton and Hove Albion "   32           65
## 5 "  Watford "                     32           54
## 6 "  Wolverhampton Wanderers "     32           53
```

```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 "                32           91              2.84
## 2 "  Newcastle United "            32           72              2.25
## 3 "  Aston Villa "                 31           68              2.19
## 4 "  Everton "                     30           61              2.03
## 5 "  Brighton and Hove Albion "    32           65              2.03
## 6 "  Manchester United "           32           62              1.94
```

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

```
## # A tibble: 6 x 2
##    Team                        yellow_card_ratio
##    <chr>                                   <dbl>
## 1 "  Leeds United "                         2.84
## 2 "  Newcastle United "                     2.25
## 3 "  Aston Villa "                          2.19
## 4 "  Everton "                              2.03
## 5 "  Brighton and Hove Albion "             2.03
## 6 "  Manchester United "                    1.94
```

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