

# 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//Rtmp0XZVbI/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()
```

```
raw_data <- read.csv("../scraped-data/discipline.csv")
raw_data <- as_tibble(raw_data)
```

```
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 "      2          3
## 2 " Manchester United "          2          8
## 3 " Everton "                  2          4
## 4 " Fulham "                  2          5
## 5 " Newcastle United "          2          3
## 6 " Brighton and Hove Albion "    2          3
```

```
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 " Manchester United "      2          8            4
```

```
## 2 " Aston Villa " 2 7 3.5
## 3 " Bournemouth " 2 6 3
## 4 " Nottingham Forest " 1 3 3
## 5 " Tottenham Hotspur " 1 3 3
## 6 " Fulham " 2 5 2.5
```

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

```
## # A tibble: 6 x 2
##   Team                yellow_card_ratio
##   <chr>                <dbl>
## 1 " Manchester United " 4
## 2 " Aston Villa " 3.5
## 3 " Bournemouth " 3
## 4 " Nottingham Forest " 3
## 5 " Tottenham Hotspur " 3
## 6 " Fulham " 2.5
```

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