

# teams-cpmr

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```
## Installing package into '/Users/runner/work/_temp/Library'
## (as 'lib' is unspecified)

##
##   There is a binary version available but the source version is later:
##           binary source needs_compilation
## rmarkdown    2.14    2.15                FALSE

## installing the source package 'rmarkdown'

## -- 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 " West Ham United "      2             1
## 2 " Wolverhampton Wanderers " 2             3
## 3 " Manchester United "     2             8
## 4 " Everton "             2             4
## 5 " Nottingham Forest "     2             7
## 6 " Crystal Palace "       2             5

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 " Nottingham Forest "      2         7           3.5
## 3 " Aston Villa "           2         7           3.5
## 4 " Bournemouth "           2         6            3
## 5 " Crystal Palace "         2         5           2.5
## 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 " Nottingham Forest "     3.5
## 3 " Aston Villa "           3.5
## 4 " Bournemouth "           3
## 5 " Crystal Palace "        2.5
## 6 " Fulham "                2.5
```

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