

# 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  2.16   2.17                     FALSE

## installing the source package 'rmarkdown'

## -- 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()

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 "      8           16
## 2 " West Ham United "             8           10
## 3 " Aston Villa "                 8           20
## 4 " Bournemouth "                 8           15
## 5 " Nottingham Forest "           8           24
## 6 " Everton "                     8           19

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 "      7        23           3.29
## 2 " Nottingham Forest "      8        24            3
## 3 " Fulham "                8        23           2.88
## 4 " Aston Villa "           8        20            2.5
## 5 " Everton "               8        19           2.38
## 6 " Leeds United "          7        16           2.29
```

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

```
## # A tibble: 6 x 2
##   Team                yellow_card_ratio
##   <chr>              <dbl>
## 1 " Manchester United "      3.29
## 2 " Nottingham Forest "      3
## 3 " Fulham "                2.88
## 4 " Aston Villa "           2.5
## 5 " Everton "               2.38
## 6 " Leeds United "          2.29
```

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