

teams-cpmr

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2022-11-11

```
## 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   2.17   2.18                   FALSE

## installing the source package 'rmarkdown'

## -- Attaching packages ----- tidyverse 1.3.2 --
## v ggplot2 3.4.0      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 "      14         26
## 2 " Nottingham Forest "          14         35
## 3 " Everton "                  14         33
## 4 " West Ham United "           14         16
## 5 " Southampton "              14         22
## 6 " Aston Villa "              14         30

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 "      13        36           2.77
## 2 " Nottingham Forest "      14        35           2.5
## 3 " Fulham "                14        35           2.5
## 4 " Everton "               14        33           2.36
## 5 " Crystal Palace "        13        29           2.23
## 6 " Chelsea "               13        28           2.15
```

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

```
## # A tibble: 6 x 2
##   Team                yellow_card_ratio
##   <chr>                <dbl>
## 1 " Manchester United "           2.77
## 2 " Nottingham Forest "           2.5
## 3 " Fulham "                     2.5
## 4 " Everton "                   2.36
## 5 " Crystal Palace "             2.23
## 6 " Chelsea "                   2.15
```

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