teams-cpmr

Charles Adedotun

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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   2.15   2.16            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 1.4.1
## v readr   2.1.2      v forcats 0.5.2
## -- 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 "  West Ham United "           3            3
## 2 "  Wolverhampton Wanderers "   3            5
## 3 "  Everton "                   3            7
## 4 "  Bournemouth "               3            8
## 5 " Nottingham Forest "          3            9
## 6 "  Chelsea "                   3            6
```

```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 "  Manchester United "       3           11              3.67
## 2 " Nottingham Forest "        3            9              3
## 3 "  Bournemouth "             3            8              2.67
## 4 "  Aston Villa "             3            8              2.67
## 5 "  Fulham "                  3            8              2.67
## 6 "  Everton "                 3            7              2.33
```

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

```
## # A tibble: 6 x 2
##    Team                  yellow_card_ratio
##    <chr>                             <dbl>
## 1 "  Manchester United "             3.67
## 2 " Nottingham Forest "              3
## 3 "  Bournemouth "                   2.67
## 4 "  Aston Villa "                   2.67
## 5 "  Fulham "                        2.67
## 6 "  Everton "                       2.33
```

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