

# Report

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In this analysis, I will be using a data set, titled `player_data_standard`, that refers to individual players in European soccer clubs and their current affiliation, as well as standard statistics related to their season highlights.

```
setwd("/home/rstudio/work/611")
getwd()
```

```
## [1] "/home/rstudio/work/611"
```

```
player_data_standard <- read.csv("source_data/player_data_standard.csv")

head(player_data_standard)
```

```
##      Rk      Player Nation  Pos      League      Squad Age Born MP
## 1  1 Brenden Aaronson us USA MF,FW Premier League Leeds United 21 2000 36
## 2  2   George Abbott eng ENG MF Premier League Tottenham 16 2005 1
## 3  3     Che Adams sct SCO FW Premier League Southampton 26 1996 28
## 4  4   Tyler Adams us USA MF Premier League Leeds United 23 1999 24
## 5  5 Tosin Adarabioyo eng ENG DF Premier League Fulham 24 1997 25
## 6  6   Nayef Aguerd ma MAR DF Premier League West Ham 26 1996 18
##      Starts  Min X90s Gls Ast G.A G.PK PK PKatt CrdY CrdR  xG npxG xAG npxG.xAG
## 1      28    2372 26.4  1  3  4  1  0  0  2  0  3.9  3.9 4.2  8.1
## 2       0      1  0.0  0  0  0  0  0  0  0  0  0.0  0.0 0.0  0.0
## 3      23   1992 22.1  5  3  8  5  0  0  1  0  6.6  6.6 2.8  9.4
## 4      24   2156 24.0  0  0  0  0  0  0  6  1  0.1  0.1 1.4  1.5
## 5      23   2085 23.2  1  0  1  1  0  0  4  0  0.7  0.7 0.4  1.1
## 6      17   1595 17.7  2  0  2  2  0  0  4  0  2.2  2.2 0.5  2.7
##      PrgC PrgP PrgR Gls.1 Ast.1 G.A.1 G.PK.1 G.A.PK xG.1 xAG.1 xG.xAG npxG.1
## 1     43   86  151  0.04  0.11  0.15  0.04  0.15 0.15 0.16  0.31  0.15
## 2       0    0    0  0.00  0.00  0.00  0.00  0.00 0.00 0.00  0.00  0.00
## 3     17   34  115  0.23  0.14  0.36  0.23  0.36 0.30 0.13  0.42  0.30
## 4     19  136   20  0.00  0.00  0.00  0.00  0.00 0.00 0.06  0.06  0.00
## 5     16   95    3  0.04  0.00  0.04  0.04  0.04 0.03 0.02  0.05  0.03
## 6       2   25    4  0.11  0.00  0.11  0.11  0.11 0.13 0.03  0.15  0.13
##      npxG.xAG.1
## 1          0.31
## 2          0.00
## 3          0.42
## 4          0.06
## 5          0.05
## 6          0.15
```

I will describe the meaning of the different columns.

Player - Player name Nation - Abbreviations (2 variations) of the Nation where the player originates from  
Pos - Position League - League affiliation Squad - Squad (or team) affiliation Age - Age of player Born - Year  
born MP - Matches played Starts - Number of starts during the regular season Min - Minutes Played X90s  
- Number of minutes / 90, ie number of 'full game' lengths played in total Gls - Goals scored Ast - Assisted  
goals G.A - Goals and assists G.PK - Non-penalty goals PK - Peanalty kicks made PKatt - Penalty kicks  
attempted CrdY - Yellow Cards CrdR - Red Cards xG - Expected goals scored npxG- Non-penalty expected  
goals scored xAG - Expected assisted goals npxG.xAG PrgC - Progressive Carries PrgP - Progressive passes  
PrgR - progressive receptions Gls.1 Ast.1 G.A.1