Fifa 22 Viz

## R Markdown

I got a notification from Linkedin that I had in a while (just did last week), and I searched Kaggle for some exciting datasets. My love for football made me narrow down to working with a football dataset, and I found an EA Sports FIFA 22 dataset.

I browsed this data, and I wanted my analysis to focus on Nigerian players in FIFA; perhaps I could use the dataset to create metrics for understanding the players' performance and the rewards they receive.

I created a metric BMI (mass in kg/ m2) as a measure of fitness, and I did some data transformation and little data visualization on this data set.

This is for importing your data set, file.choose() to browse the files; I use read\_csv sometimes.

Fifa22<-(read.csv(file.choose(),header=T))

tidyverse, ggplot, correlation all loaded!!!

library(tidyverse)

## -- Attaching packages --------------------------------------- tidyverse 1.3.1 --

## v ggplot2 3.3.5 v purrr 0.3.4  
## v tibble 3.1.6 v dplyr 1.0.7  
## v tidyr 1.1.4 v stringr 1.4.0  
## v readr 2.0.2 v forcats 0.5.1

## -- Conflicts ------------------------------------------ tidyverse\_conflicts() --  
## x dplyr::filter() masks stats::filter()  
## x dplyr::lag() masks stats::lag()

library(ggplot2)  
library(correlation)

Let’s see what the data set looks like.

head(Fifa22)

## sofifa\_id player\_url  
## 1 158023 https://sofifa.com/player/158023/lionel-messi/220002  
## 2 188545 https://sofifa.com/player/188545/robert-lewandowski/220002  
## 3 20801 https://sofifa.com/player/20801/c-ronaldo-dos-santos-aveiro/220002  
## 4 190871 https://sofifa.com/player/190871/neymar-da-silva-santos-jr/220002  
## 5 192985 https://sofifa.com/player/192985/kevin-de-bruyne/220002  
## 6 200389 https://sofifa.com/player/200389/jan-oblak/220002  
## short\_name long\_name player\_positions  
## 1 L. Messi Lionel AndrÃ©s Messi Cuccittini RW, ST, CF  
## 2 R. Lewandowski Robert Lewandowski ST  
## 3 Cristiano Ronaldo Cristiano Ronaldo dos Santos Aveiro ST, LW  
## 4 Neymar Jr Neymar da Silva Santos JÃºnior LW, CAM  
## 5 K. De Bruyne Kevin De Bruyne CM, CAM  
## 6 J. Oblak Jan Oblak GK  
## overall potential value\_eur wage\_eur age dob height\_cm weight\_kg  
## 1 93 93 78000000 320000 34 1987-06-24 170 72  
## 2 92 92 119500000 270000 32 1988-08-21 185 81  
## 3 91 91 45000000 270000 36 1985-02-05 187 83  
## 4 91 91 129000000 270000 29 1992-02-05 175 68  
## 5 91 91 125500000 350000 30 1991-06-28 181 70  
## 6 91 93 112000000 130000 28 1993-01-07 188 87  
## club\_team\_id club\_name league\_name league\_level  
## 1 73 Paris Saint-Germain French Ligue 1 1  
## 2 21 FC Bayern MÃ¼nchen German 1. Bundesliga 1  
## 3 11 Manchester United English Premier League 1  
## 4 73 Paris Saint-Germain French Ligue 1 1  
## 5 10 Manchester City English Premier League 1  
## 6 240 AtlÃ©tico de Madrid Spain Primera Division 1  
## club\_position club\_jersey\_number club\_loaned\_from club\_joined  
## 1 RW 30 2021-08-10  
## 2 ST 9 2014-07-01  
## 3 ST 7 2021-08-27  
## 4 LW 10 2017-08-03  
## 5 RCM 17 2015-08-30  
## 6 GK 13 2014-07-16  
## club\_contract\_valid\_until nationality\_id nationality\_name nation\_team\_id  
## 1 2023 52 Argentina 1369  
## 2 2023 37 Poland 1353  
## 3 2023 38 Portugal 1354  
## 4 2025 54 Brazil NA  
## 5 2025 7 Belgium 1325  
## 6 2023 44 Slovenia NA  
## nation\_position nation\_jersey\_number preferred\_foot weak\_foot skill\_moves  
## 1 RW 10 Left 4 4  
## 2 RS 9 Right 4 4  
## 3 ST 7 Right 4 5  
## 4 NA Right 5 5  
## 5 RCM 7 Right 5 4  
## 6 NA Right 3 1  
## international\_reputation work\_rate body\_type real\_face release\_clause\_eur  
## 1 5 Medium/Low Unique Yes 144300000  
## 2 5 High/Medium Unique Yes 197200000  
## 3 5 High/Low Unique Yes 83300000  
## 4 5 High/Medium Unique Yes 238700000  
## 5 4 High/High Unique Yes 232200000  
## 6 5 Medium/Medium Unique Yes 238000000  
## player\_tags  
## 1 #Dribbler, #Distance Shooter, #FK Specialist, #Acrobat, #Clinical Finisher, #Complete Forward  
## 2 #Aerial Threat, #Distance Shooter, #Clinical Finisher, #Complete Forward  
## 3 #Aerial Threat, #Dribbler, #Distance Shooter, #Crosser, #Acrobat, #Clinical Finisher, #Complete Forward  
## 4 #Speedster, #Dribbler, #Playmaker, #FK Specialist, #Acrobat, #Complete Midfielder  
## 5 #Dribbler, #Playmaker, #Engine, #Distance Shooter, #Crosser, #Complete Midfielder  
## 6   
## player\_traits  
## 1 Finesse Shot, Long Shot Taker (AI), Playmaker (AI), Outside Foot Shot, One Club Player, Chip Shot (AI), Technical Dribbler (AI)  
## 2 Solid Player, Finesse Shot, Outside Foot Shot, Chip Shot (AI)  
## 3 Power Free-Kick, Flair, Long Shot Taker (AI), Speed Dribbler (AI), Outside Foot Shot  
## 4 Injury Prone, Flair, Speed Dribbler (AI), Playmaker (AI), Outside Foot Shot, Technical Dribbler (AI)  
## 5 Injury Prone, Leadership, Early Crosser, Long Passer (AI), Long Shot Taker (AI), Playmaker (AI), Outside Foot Shot  
## 6 GK Long Throw, Comes For Crosses  
## pace shooting passing dribbling defending physic attacking\_crossing  
## 1 85 92 91 95 34 65 85  
## 2 78 92 79 86 44 82 71  
## 3 87 94 80 88 34 75 87  
## 4 91 83 86 94 37 63 85  
## 5 76 86 93 88 64 78 94  
## 6 NA NA NA NA NA NA 13  
## attacking\_finishing attacking\_heading\_accuracy attacking\_short\_passing  
## 1 95 70 91  
## 2 95 90 85  
## 3 95 90 80  
## 4 83 63 86  
## 5 82 55 94  
## 6 11 15 43  
## attacking\_volleys skill\_dribbling skill\_curve skill\_fk\_accuracy  
## 1 88 96 93 94  
## 2 89 85 79 85  
## 3 86 88 81 84  
## 4 86 95 88 87  
## 5 82 88 85 83  
## 6 13 12 13 14  
## skill\_long\_passing skill\_ball\_control movement\_acceleration  
## 1 91 96 91  
## 2 70 88 77  
## 3 77 88 85  
## 4 81 95 93  
## 5 93 91 76  
## 6 40 30 43  
## movement\_sprint\_speed movement\_agility movement\_reactions movement\_balance  
## 1 80 91 94 95  
## 2 79 77 93 82  
## 3 88 86 94 74  
## 4 89 96 89 84  
## 5 76 79 91 78  
## 6 60 67 88 49  
## power\_shot\_power power\_jumping power\_stamina power\_strength power\_long\_shots  
## 1 86 68 72 69 94  
## 2 90 85 76 86 87  
## 3 94 95 77 77 93  
## 4 80 64 81 53 81  
## 5 91 63 89 74 91  
## 6 59 78 41 78 12  
## mentality\_aggression mentality\_interceptions mentality\_positioning  
## 1 44 40 93  
## 2 81 49 95  
## 3 63 29 95  
## 4 63 37 86  
## 5 76 66 88  
## 6 34 19 11  
## mentality\_vision mentality\_penalties mentality\_composure  
## 1 95 75 96  
## 2 81 90 88  
## 3 76 88 95  
## 4 90 93 93  
## 5 94 83 89  
## 6 65 11 68  
## defending\_marking\_awareness defending\_standing\_tackle  
## 1 20 35  
## 2 35 42  
## 3 24 32  
## 4 35 32  
## 5 68 65  
## 6 27 12  
## defending\_sliding\_tackle goalkeeping\_diving goalkeeping\_handling  
## 1 24 6 11  
## 2 19 15 6  
## 3 24 7 11  
## 4 29 9 9  
## 5 53 15 13  
## 6 18 87 92  
## goalkeeping\_kicking goalkeeping\_positioning goalkeeping\_reflexes  
## 1 15 14 8  
## 2 12 8 10  
## 3 15 14 11  
## 4 15 15 11  
## 5 5 10 13  
## 6 78 90 90  
## goalkeeping\_speed ls st rs lw lf cf rf rw lam cam ram lm lcm cm  
## 1 NA 89+3 89+3 89+3 92 93 93 93 92 93 93 93 91+2 87+3 87+3  
## 2 NA 90+2 90+2 90+2 85 88 88 88 85 86+3 86+3 86+3 84+3 80+3 80+3  
## 3 NA 90+1 90+1 90+1 88 89 89 89 88 86+3 86+3 86+3 86+3 78+3 78+3  
## 4 NA 83+3 83+3 83+3 90 88 88 88 90 89+2 89+2 89+2 89+2 82+3 82+3  
## 5 NA 83+3 83+3 83+3 88 87 87 87 88 89+2 89+2 89+2 89+2 89+2 89+2  
## 6 50 33+3 33+3 33+3 32 35 35 35 32 38+3 38+3 38+3 35+3 38+3 38+3  
## rcm rm lwb ldm cdm rdm rwb lb lcb cb rcb rb gk  
## 1 87+3 91+2 66+3 64+3 64+3 64+3 66+3 61+3 50+3 50+3 50+3 61+3 19+3  
## 2 80+3 84+3 64+3 66+3 66+3 66+3 64+3 61+3 60+3 60+3 60+3 61+3 19+3  
## 3 78+3 86+3 63+3 59+3 59+3 59+3 63+3 60+3 53+3 53+3 53+3 60+3 20+3  
## 4 82+3 89+2 67+3 63+3 63+3 63+3 67+3 62+3 50+3 50+3 50+3 62+3 20+3  
## 5 89+2 89+2 79+3 80+3 80+3 80+3 79+3 75+3 69+3 69+3 69+3 75+3 21+3  
## 6 38+3 35+3 32+3 36+3 36+3 36+3 32+3 32+3 33+3 33+3 33+3 32+3 89+3  
## player\_face\_url  
## 1 https://cdn.sofifa.net/players/158/023/22\_120.png  
## 2 https://cdn.sofifa.net/players/188/545/22\_120.png  
## 3 https://cdn.sofifa.net/players/020/801/22\_120.png  
## 4 https://cdn.sofifa.net/players/190/871/22\_120.png  
## 5 https://cdn.sofifa.net/players/192/985/22\_120.png  
## 6 https://cdn.sofifa.net/players/200/389/22\_120.png  
## club\_logo\_url  
## 1 https://cdn.sofifa.net/teams/73/60.png  
## 2 https://cdn.sofifa.net/teams/21/60.png  
## 3 https://cdn.sofifa.net/teams/11/60.png  
## 4 https://cdn.sofifa.net/teams/73/60.png  
## 5 https://cdn.sofifa.net/teams/10/60.png  
## 6 https://cdn.sofifa.net/teams/240/60.png  
## club\_flag\_url  
## 1 https://cdn.sofifa.net/flags/fr.png  
## 2 https://cdn.sofifa.net/flags/de.png  
## 3 https://cdn.sofifa.net/flags/gb-eng.png  
## 4 https://cdn.sofifa.net/flags/fr.png  
## 5 https://cdn.sofifa.net/flags/gb-eng.png  
## 6 https://cdn.sofifa.net/flags/es.png  
## nation\_logo\_url nation\_flag\_url  
## 1 https://cdn.sofifa.net/teams/1369/60.png https://cdn.sofifa.net/flags/ar.png  
## 2 https://cdn.sofifa.net/teams/1353/60.png https://cdn.sofifa.net/flags/pl.png  
## 3 https://cdn.sofifa.net/teams/1354/60.png https://cdn.sofifa.net/flags/pt.png  
## 4 https://cdn.sofifa.net/flags/br.png  
## 5 https://cdn.sofifa.net/teams/1325/60.png https://cdn.sofifa.net/flags/be.png  
## 6 https://cdn.sofifa.net/flags/si.png

tail(Fifa22)

## sofifa\_id player\_url  
## 19234 261818 https://sofifa.com/player/261818/ronan-gallagher/220002  
## 19235 261962 https://sofifa.com/player/261962/defu-song/220002  
## 19236 262040 https://sofifa.com/player/262040/caoimhin-porter/220002  
## 19237 262760 https://sofifa.com/player/262760/nathan-logue/220002  
## 19238 262820 https://sofifa.com/player/262820/luke-rudden/220002  
## 19239 264540 https://sofifa.com/player/264540/emanuel-lalchhanchhuaha/220002  
## short\_name long\_name player\_positions overall  
## 19234 R. Gallagher Ronan Gallagher CAM 47  
## 19235 Song Defu å®‹å¾·ç¦\217 CDM 47  
## 19236 C. Porter Caoimhin Porter CM 47  
## 19237 N. Logue Nathan Logue-Cunningham CM 47  
## 19238 L. Rudden Luke Rudden ST 47  
## 19239 E. Lalchhanchhuaha Emanuel Lalchhanchhuaha CAM 47  
## potential value\_eur wage\_eur age dob height\_cm weight\_kg  
## 19234 61 110000 500 20 2001-05-11 180 74  
## 19235 52 70000 1000 22 1999-01-02 180 64  
## 19236 59 110000 500 19 2002-03-18 175 70  
## 19237 55 100000 500 21 2000-02-07 178 72  
## 19238 60 110000 500 19 2002-04-23 173 66  
## 19239 60 110000 500 19 2002-02-06 167 61  
## club\_team\_id club\_name league\_name  
## 19234 111131 Finn Harps Rep. Ireland Airtricity League  
## 19235 112541 Wuhan FC Chinese Super League  
## 19236 445 Derry City Rep. Ireland Airtricity League  
## 19237 111131 Finn Harps Rep. Ireland Airtricity League  
## 19238 111131 Finn Harps Rep. Ireland Airtricity League  
## 19239 113040 NorthEast United FC Indian Super League  
## league\_level club\_position club\_jersey\_number club\_loaned\_from  
## 19234 1 RES 29   
## 19235 1 SUB 36   
## 19236 1 RES 27   
## 19237 1 RES 31   
## 19238 1 RES 12   
## 19239 1 SUB 13   
## club\_joined club\_contract\_valid\_until nationality\_id nationality\_name  
## 19234 2018-01-01 2021 25 Republic of Ireland  
## 19235 2021-04-01 2021 155 China PR  
## 19236 2021-02-22 2021 25 Republic of Ireland  
## 19237 2021-06-18 2021 25 Republic of Ireland  
## 19238 2021-06-18 2021 25 Republic of Ireland  
## 19239 2021-08-31 2025 159 India  
## nation\_team\_id nation\_position nation\_jersey\_number preferred\_foot  
## 19234 NA NA Right  
## 19235 NA NA Right  
## 19236 NA NA Right  
## 19237 NA NA Right  
## 19238 NA NA Right  
## 19239 NA NA Right  
## weak\_foot skill\_moves international\_reputation work\_rate  
## 19234 3 2 1 Medium/Medium  
## 19235 3 2 1 Medium/Medium  
## 19236 3 2 1 Medium/Medium  
## 19237 3 2 1 Medium/Medium  
## 19238 3 2 1 Medium/Medium  
## 19239 3 2 1 Medium/Medium  
## body\_type real\_face release\_clause\_eur player\_tags player\_traits  
## 19234 Lean (170-185) No 239000   
## 19235 Lean (170-185) No 114000   
## 19236 Lean (170-185) No 193000   
## 19237 Lean (170-185) No 175000   
## 19238 Lean (170-185) No 239000   
## 19239 Lean (170-) No 217000   
## pace shooting passing dribbling defending physic attacking\_crossing  
## 19234 65 36 44 44 34 46 33  
## 19235 58 35 46 48 42 49 46  
## 19236 59 39 50 46 41 51 54  
## 19237 60 37 45 49 41 52 39  
## 19238 68 46 36 48 15 42 29  
## 19239 68 38 45 48 36 48 39  
## attacking\_finishing attacking\_heading\_accuracy attacking\_short\_passing  
## 19234 33 44 51  
## 19235 32 48 50  
## 19236 33 46 51  
## 19237 32 43 49  
## 19238 49 40 38  
## 19239 32 46 50  
## attacking\_volleys skill\_dribbling skill\_curve skill\_fk\_accuracy  
## 19234 34 40 31 30  
## 19235 30 45 33 38  
## 19236 32 41 53 31  
## 19237 37 47 37 37  
## 19238 34 42 36 34  
## 19239 37 48 38 32  
## skill\_long\_passing skill\_ball\_control movement\_acceleration  
## 19234 48 44 63  
## 19235 48 49 56  
## 19236 50 42 60  
## 19237 49 49 60  
## 19238 33 45 69  
## 19239 49 38 70  
## movement\_sprint\_speed movement\_agility movement\_reactions  
## 19234 66 54 49  
## 19235 60 55 53  
## 19236 58 64 49  
## 19237 60 58 46  
## 19238 67 72 48  
## 19239 67 65 54  
## movement\_balance power\_shot\_power power\_jumping power\_stamina  
## 19234 58 43 50 48  
## 19235 70 46 62 51  
## 19236 69 49 47 63  
## 19237 59 50 57 56  
## 19238 73 48 50 50  
## 19239 85 50 62 57  
## power\_strength power\_long\_shots mentality\_aggression  
## 19234 44 36 47  
## 19235 46 30 52  
## 19236 47 38 49  
## 19237 50 34 51  
## 19238 40 41 34  
## 19239 40 36 55  
## mentality\_interceptions mentality\_positioning mentality\_vision  
## 19234 32 49 47  
## 19235 42 38 43  
## 19236 39 51 49  
## 19237 38 45 46  
## 19238 14 47 40  
## 19239 42 47 46  
## mentality\_penalties mentality\_composure defending\_marking\_awareness  
## 19234 32 43 37  
## 19235 42 37 38  
## 19236 44 47 37  
## 19237 39 36 38  
## 19238 49 47 10  
## 19239 35 36 33  
## defending\_standing\_tackle defending\_sliding\_tackle goalkeeping\_diving  
## 19234 31 29 14  
## 19235 43 48 6  
## 19236 44 47 11  
## 19237 44 48 8  
## 19238 14 11 7  
## 19239 31 37 8  
## goalkeeping\_handling goalkeeping\_kicking goalkeeping\_positioning  
## 19234 10 7 13  
## 19235 10 5 15  
## 19236 12 6 8  
## 19237 6 7 10  
## 19238 10 7 14  
## 19239 13 13 9  
## goalkeeping\_reflexes goalkeeping\_speed ls st rs lw lf cf rf rw lam  
## 19234 8 NA 44+2 44+2 44+2 46 46 46 46 46 47+2  
## 19235 13 NA 44+2 44+2 44+2 46 45 45 45 46 46+2  
## 19236 10 NA 45+2 45+2 45+2 47 46 46 46 47 47+2  
## 19237 6 NA 45+2 45+2 45+2 46 46 46 46 46 47+2  
## 19238 15 NA 47+2 47+2 47+2 47 47 47 47 47 45+2  
## 19239 14 NA 45+2 45+2 45+2 47 47 47 47 47 47+2  
## cam ram lm lcm cm rcm rm lwb ldm cdm rdm rwb lb lcb  
## 19234 47+2 47+2 46+2 45+2 45+2 45+2 46+2 41+2 42+2 42+2 42+2 41+2 41+2 39+2  
## 19235 46+2 46+2 47+2 46+2 46+2 46+2 47+2 48+2 46+2 46+2 46+2 48+2 48+2 46+2  
## 19236 47+2 47+2 49+2 47+2 47+2 47+2 49+2 49+2 46+2 46+2 46+2 49+2 48+2 44+2  
## 19237 47+2 47+2 48+2 47+2 47+2 47+2 48+2 47+2 46+2 46+2 46+2 47+2 47+2 45+2  
## 19238 45+2 45+2 45+2 39+2 39+2 39+2 45+2 33+2 29+2 29+2 29+2 33+2 32+2 26+2  
## 19239 47+2 47+2 48+2 46+2 46+2 46+2 48+2 45+2 44+2 44+2 44+2 45+2 45+2 41+2  
## cb rcb rb gk player\_face\_url  
## 19234 39+2 39+2 41+2 15+2 https://cdn.sofifa.net/players/261/818/22\_120.png  
## 19235 46+2 46+2 48+2 15+2 https://cdn.sofifa.net/players/261/962/22\_120.png  
## 19236 44+2 44+2 48+2 14+2 https://cdn.sofifa.net/players/262/040/22\_120.png  
## 19237 45+2 45+2 47+2 12+2 https://cdn.sofifa.net/players/262/760/22\_120.png  
## 19238 26+2 26+2 32+2 15+2 https://cdn.sofifa.net/players/262/820/22\_120.png  
## 19239 41+2 41+2 45+2 16+2 https://cdn.sofifa.net/players/264/540/22\_120.png  
## club\_logo\_url  
## 19234 https://cdn.sofifa.net/teams/111131/60.png  
## 19235 https://cdn.sofifa.net/teams/112541/60.png  
## 19236 https://cdn.sofifa.net/teams/445/60.png  
## 19237 https://cdn.sofifa.net/teams/111131/60.png  
## 19238 https://cdn.sofifa.net/teams/111131/60.png  
## 19239 https://cdn.sofifa.net/teams/113040/60.png  
## club\_flag\_url nation\_logo\_url  
## 19234 https://cdn.sofifa.net/flags/ie.png   
## 19235 https://cdn.sofifa.net/flags/cn.png   
## 19236 https://cdn.sofifa.net/flags/ie.png   
## 19237 https://cdn.sofifa.net/flags/ie.png   
## 19238 https://cdn.sofifa.net/flags/ie.png   
## 19239 https://cdn.sofifa.net/flags/in.png   
## nation\_flag\_url  
## 19234 https://cdn.sofifa.net/flags/ie.png  
## 19235 https://cdn.sofifa.net/flags/cn.png  
## 19236 https://cdn.sofifa.net/flags/ie.png  
## 19237 https://cdn.sofifa.net/flags/ie.png  
## 19238 https://cdn.sofifa.net/flags/ie.png  
## 19239 https://cdn.sofifa.net/flags/in.png

View(Fifa22)

Creating a new variable in the data set called BMI, I had to convert cm to m by dividing by 100, and the parentheses must match.

Fifa22<-mutate(Fifa22, BMI = (weight\_kg/ ((height\_cm/100)^2)))

TIme to filter the dataset, we need only Nigerian players. I chose some metrics such as age, pace, shooting etc, to garner information about these players.

Nfifa22<-select(filter(Fifa22, nationality\_name == 'Nigeria'), short\_name,BMI, overall, age, pace,league\_name,club\_position,shooting, dribbling, defending, physic,wage\_eur)  
  
Nfifa22

## short\_name BMI overall age pace league\_name  
## 1 W. Ndidi 22.09681 85 24 67 English Premier League  
## 2 V. Osimhen 22.79036 80 22 88 Italian Serie A  
## 3 P. Onuachu 23.01923 79 27 71 Belgian Jupiler Pro League  
## 4 V. Moses 25.21625 78 30 76 Russian Premier League  
## 5 K. Iheanacho 23.95909 78 24 74 English Premier League  
## 6 A. Iwobi 21.91381 77 25 77 English Premier League  
## 7 A. Nwakaeme 23.37473 77 32 80 Turkish SÃ¼per Lig  
## 8 S. Chukwueze 23.66144 77 22 87 Spain Primera Division  
## 9 P. Olayinka 21.78588 76 25 84 Czech Republic Gambrinus Liga  
## 10 Z. Sanusi 22.34030 76 24 93 Portuguese Liga ZON SAGRES  
## 11 O. Ighalo 21.79820 75 32 67 Saudi Abdul L. Jameel League  
## 12 M. Simon 24.44728 75 25 92 French Ligue 1  
## 13 U. Sadiq 20.34505 75 24 83 Spanish Segunda DivisiÃ³n  
## 14 H. Onyekuru 22.85714 75 24 92 Greek Super League  
## 15 F. Onyeka 20.90239 75 23 87 English Premier League  
## 16 L. Balogun 24.37673 74 33 70 Scottish Premiership  
## 17 K. Omeruo 24.81096 74 27 68 Spanish Segunda DivisiÃ³n  
## 18 K. Akpoguma 23.05773 74 26 81 German 1. Bundesliga  
## 19 Simy 21.42639 74 29 59 Italian Serie A  
## 20 O. Aina 24.22023 74 24 83 Italian Serie A  
## 21 T. Awoniyi 25.38147 74 23 78 German 1. Bundesliga  
## 22 S. Kalu 24.89706 74 23 85 French Ligue 1  
## 23 C. Ejuke 23.78121 74 23 94 Russian Premier League  
## 24 E. Dennis 21.55102 74 23 88 English Premier League  
## 25 D. Akpeyi 24.07547 74 35 NA South African Premier Division  
## 26 T. Moffi 23.20054 74 22 74 French Ligue 1  
## 27 S. Ajayi 22.28248 73 27 75 English League Championship  
## 28 W. Troost-Ekong 22.47745 73 27 61 English Premier League  
## 29 B. Osayi-Samuel 23.51020 73 23 93 Turkish SÃ¼per Lig  
## 30 J. Aribo 22.69402 73 24 84 Scottish Premiership  
## 31 J. Obi 22.98190 72 30 83 Italian Serie A  
## 32 A. Musa 22.57105 72 28 92 Turkish SÃ¼per Lig  
## 33 K. Ehizibue 21.83589 72 26 85 German 1. Bundesliga  
## 34 C. Awaziem 21.55595 72 24 68 Turkish SÃ¼per Lig  
## 35 O. Etebo 22.59814 72 25 77 English Premier League  
## 36 J. Maja 23.50356 72 22 76 French Ligue 1  
## 37 L. James 22.63468 71 28 69 Turkish SÃ¼per Lig  
## 38 O. Kayode 20.98399 71 28 88 Turkish SÃ¼per Lig  
## 39 A. Esiti 23.51558 71 27 56 Greek Super League  
## 40 C. Dessers 24.51560 71 26 75 Holland Eredivisie  
## 41 S. Adegbenro 23.67125 71 25 90 Swedish Allsvenskan  
## 42 M. Okoye 23.97715 71 21 NA Holland Eredivisie  
## 43 A. Ujah 25.00000 70 30 64 German 1. Bundesliga  
## 44 R. Azeez 23.45856 70 28 65 Spain Primera Division  
## 45 I. Success 27.17063 70 25 72 Italian Serie A  
## 46 B. Akintola 21.77755 70 25 92 Turkish SÃ¼per Lig  
## 47 A. Umar 23.78121 70 26 81 Turkish SÃ¼per Lig  
## 48 D. Okereke 23.50356 70 23 85 Italian Serie A  
## 49 O. Azubuike 24.22145 70 24 72 Turkish SÃ¼per Lig  
## 50 J. Collins 21.79820 70 26 77 German 2. Bundesliga  
## 51 U. Ekpai 23.88946 70 25 80 Czech Republic Gambrinus Liga  
## 52 A. Yusuf 21.55102 70 20 81 Belgian Jupiler Pro League  
## 53 O. Nwobodo 22.47121 70 24 84 Turkish SÃ¼per Lig  
## 54 M. Agu 23.08254 69 28 64 Portuguese Liga ZON SAGRES  
## 55 T. Ebuehi 20.58967 69 25 88 Italian Serie A  
## 56 N. Sarenren Bazee 23.88844 69 24 75 German 1. Bundesliga  
## 57 P. Mukairu 21.73651 69 21 84 Turkish SÃ¼per Lig  
## 58 B. Ogbeche 25.59221 68 36 63 Indian Super League  
## 59 B. Ideye 23.80880 68 32 72 Turkish SÃ¼per Lig  
## 60 F. Onyedinma 23.37473 68 24 87 English League Championship  
## 61 G. Ekpolo 22.53086 68 26 77 Swedish Allsvenskan  
## 62 S. Eduok 24.53512 68 27 80 Croatian Prva HNL  
## 63 T. Kehinde 23.67125 68 23 86 Danish Superliga  
## 64 J. Igbekeme 22.83737 68 25 73 Spanish Segunda DivisiÃ³n  
## 65 A. Tosin 23.40751 68 23 93 Swiss Super League  
## 66 J. Sekidika 22.46003 68 24 92 Belgian Jupiler Pro League  
## 67 F. Ezeh 23.88946 68 23 91 Turkish SÃ¼per Lig  
## 68 A. Marcus 23.35564 68 21 77 Portuguese Liga ZON SAGRES  
## 69 S. Abdullahi 25.12783 67 24 79 German 1. Bundesliga  
## 70 I. Mathew 23.38869 67 24 80 Norwegian Eliteserien  
## 71 K. Nwakali 23.45679 67 23 71 Spanish Segunda DivisiÃ³n  
## 72 E. Apeh 24.78426 67 24 70 Spanish Segunda DivisiÃ³n  
## 73 D. Abiama 23.33412 67 22 82 German 1. Bundesliga  
## 74 C. Ofoedu 21.71807 67 28 81 Japanese J. League Division 1  
## 75 O. Ndah 19.39058 67 23 79 South African Premier Division  
## 76 S. Aluko 20.71569 66 32 75 English League One  
## 77 B. Innocent 25.24934 66 25 76 Swedish Allsvenskan  
## 78 B. Enobakhare 24.03171 66 23 84 English League Championship  
## 79 J. Pius 19.86631 66 25 52 Belgian Jupiler Pro League  
## 80 C. Akas 25.46401 66 27 64 Portuguese Liga ZON SAGRES  
## 81 K. Michael 22.59814 66 21 75 Italian Serie A  
## 82 I. Jack 21.44757 66 23 55 Norwegian Eliteserien  
## 83 E. Ambrose 19.39058 65 32 46 Scottish Premiership  
## 84 R. Hassan 21.63332 65 30 79 Danish Superliga  
## 85 F. Friday 25.73708 65 26 71 Norwegian Eliteserien  
## 86 S. Odey 23.54788 65 23 88 Danish Superliga  
## 87 A. Aremu 23.50356 65 21 71 German 2. Bundesliga  
## 88 N. Ofoborh 26.12245 65 21 72 Scottish Premiership  
## 89 H. Gong 25.20920 65 22 87 Holland Eredivisie  
## 90 A. Amoo 25.59374 65 19 79 Swedish Allsvenskan  
## 91 V. Adeboyejo 19.88385 64 23 74 English League Championship  
## 92 M. Omoh 24.48565 64 29 81 Romanian Liga I  
## 93 I. Ogbu 22.30547 64 21 72 Norwegian Eliteserien  
## 94 V. Ozornwafor 22.58476 64 22 60 Belgian Jupiler Pro League  
## 95 H. Akujobi 22.85714 64 21 60 Holland Eredivisie  
## 96 R. Onyedika 23.03875 64 20 74 Danish Superliga  
## 97 C. Irobiso 23.26870 63 28 69 Romanian Liga I  
## 98 T. Dele-Bashiru 21.46194 63 21 75 English League Championship  
## 99 D. Kasumu 21.60494 63 21 68 English League One  
## 100 V. Boniface 22.81940 63 20 76 Norwegian Eliteserien  
## 101 S. Osigwe 23.37473 63 27 NA Swiss Super League  
## 102 D. Udoh 21.79820 62 24 80 English League One  
## 103 D. Ajiboye 24.67550 62 22 90 English League Two  
## 104 A. Ibrahim 22.22906 62 23 68 Portuguese Liga ZON SAGRES  
## 105 J. Kadiri 23.54788 62 21 76 Norwegian Eliteserien  
## 106 A. Taiwo 23.37473 62 22 72 Danish Superliga  
## 107 V. Onovo 28.04282 61 25 85 Danish Superliga  
## 108 M. Ebiye 21.91381 61 24 88 Norwegian Eliteserien  
## 109 I. Abdulrazak 22.59814 61 19 77 Swedish Allsvenskan  
## 110 Kachi 22.34030 60 24 85 Norwegian Eliteserien  
## 111 A. Uzodimma 25.50362 60 22 59 Turkish SÃ¼per Lig  
## 112 T. Arokodare 24.99420 60 20 51 French Ligue 2  
## 113 K. Fidelis 23.93948 60 22 68 Portuguese Liga ZON SAGRES  
## 114 A. Oladoye 22.83951 60 19 68 Belgian Jupiler Pro League  
## 115 C. Emeka 22.95568 60 19 76 Belgian Jupiler Pro League  
## 116 T. Owolabi 21.71807 59 25 86 Rep. Ireland Airtricity League  
## 117 C. Offor 23.02568 59 21 70 USA Major League Soccer  
## 118 S. Ibrahim 27.63605 59 18 83 USA Major League Soccer  
## 119 I. Achara 23.04002 58 23 78 USA Major League Soccer  
## 120 F. Dele-Bashiru 24.53512 58 20 66 English League One  
## 121 O. Alfa 25.43269 56 22 75 English League Championship  
## 122 K. Adedoyin 22.53086 56 20 72 English League One  
## 123 R. Friday 22.39541 56 21 78 Swedish Allsvenskan  
## 124 I. Said 21.04982 55 19 77 Danish Superliga  
## 125 F. Momoh 23.73531 55 20 57 Swiss Super League  
## club\_position shooting dribbling defending physic wage\_eur  
## 1 LDM 62 74 87 83 120000  
## 2 ST 80 75 39 81 66000  
## 3 ST 77 70 45 84 23000  
## 4 RM 69 80 70 70 56000  
## 5 SUB 80 77 38 71 83000  
## 6 SUB 64 80 38 68 68000  
## 7 LW 76 79 39 80 30000  
## 8 SUB 73 83 36 62 27000  
## 9 LM 69 76 57 78 1000  
## 10 SUB 36 66 72 72 11000  
## 11 ST 77 73 42 75 34000  
## 12 LM 70 79 34 65 23000  
## 13 ST 75 71 30 73 11000  
## 14 SUB 71 80 34 54 1000  
## 15 RCM 58 72 74 81 33000  
## 16 LCB 45 60 73 79 39000  
## 17 LCB 32 58 73 78 11000  
## 18 SUB 48 60 76 71 26000  
## 19 LS 77 61 29 78 14000  
## 20 SUB 60 73 70 74 27000  
## 21 RS 73 70 32 76 25000  
## 22 SUB 66 77 34 56 19000  
## 23 LM 68 78 37 59 31000  
## 24 ST 72 76 38 68 41000  
## 25 GK NA NA NA NA 500  
## 26 RS 74 70 24 75 17000  
## 27 RCB 48 62 72 80 31000  
## 28 RCB 32 44 76 77 36000  
## 29 RM 59 76 35 65 31000  
## 30 RCM 67 77 67 71 34000  
## 31 LCM 67 74 74 75 28000  
## 32 SUB 66 74 30 55 12000  
## 33 SUB 57 70 66 76 18000  
## 34 RCB 39 61 73 74 9000  
## 35 CDM 65 75 71 81 20000  
## 36 SUB 71 73 28 58 17000  
## 37 ST 70 71 29 74 13000  
## 38 RM 68 73 36 70 750  
## 39 SUB 46 58 71 81 850  
## 40 SUB 73 66 28 73 12000  
## 41 LW 66 76 39 73 6000  
## 42 GK NA NA NA NA 4000  
## 43 RES 70 68 33 67 18000  
## 44 SUB 59 67 66 76 12000  
## 45 RES 68 73 35 62 10000  
## 46 RW 62 73 41 66 11000  
## 47 SUB 65 71 46 70 9000  
## 48 RW 67 73 26 66 13000  
## 49 SUB 42 65 68 74 15000  
## 50 LB 36 73 68 67 9000  
## 51 SUB 63 70 25 69 600  
## 52 SUB 44 68 64 74 8000  
## 53 RCM 64 71 67 70 7000  
## 54 RES 44 65 70 74 5000  
## 55 SUB 40 65 64 72 6000  
## 56 SUB 61 74 29 47 10000  
## 57 SUB 68 71 29 64 7000  
## 58 ST 72 64 34 77 600  
## 59 SUB 68 65 38 70 7000  
## 60 LW 62 69 43 67 6000  
## 61 RB 37 61 64 80 2000  
## 62 SUB 67 69 30 67 500  
## 63 RM 56 70 37 63 5000  
## 64 LM 57 70 65 80 5000  
## 65 RES 64 70 35 67 7000  
## 66 RES 61 70 43 57 17000  
## 67 SUB 65 72 36 65 7000  
## 68 SUB 67 71 32 67 3000  
## 69 RES 66 67 20 76 9000  
## 70 LCM 60 69 62 72 2000  
## 71 RCM 60 70 54 61 4000  
## 72 SUB 66 64 26 63 3000  
## 73 SUB 66 67 22 62 8000  
## 74 SUB 67 68 25 57 2000  
## 75 SUB 44 50 69 71 500  
## 76 RES 61 73 40 44 4000  
## 77 RCM 43 66 60 83 2000  
## 78 RES 57 75 27 65 6000  
## 79 SUB 46 54 66 71 6000  
## 80 LWB 40 62 64 78 2000  
## 81 RES 64 70 52 58 7000  
## 82 LCM 45 61 63 71 1000  
## 83 SUB 44 57 65 71 2000  
## 84 LW 57 68 46 63 4000  
## 85 ST 64 65 27 72 2000  
## 86 SUB 60 67 33 66 4000  
## 87 SUB 55 66 65 74 3000  
## 88 RES 54 64 62 72 8000  
## 89 SUB 57 69 33 58 4000  
## 90 RF 58 75 22 60 1000  
## 91 SUB 61 65 26 67 9000  
## 92 RES 60 66 37 75 2000  
## 93 CB 39 54 63 74 950  
## 94 RES 36 39 64 68 9000  
## 95 SUB 44 62 60 74 2000  
## 96 RCM 53 62 60 72 4000  
## 97 ST 63 58 31 76 3000  
## 98 RDM 58 67 56 61 7000  
## 99 RES 52 64 60 63 2000  
## 100 RES 63 66 25 63 1000  
## 101 SUB NA NA NA NA 2000  
## 102 CAM 59 64 35 64 2000  
## 103 RM 54 65 37 59 2000  
## 104 RES 45 60 61 56 2000  
## 105 SUB 62 54 21 66 850  
## 106 ST 60 61 23 64 3000  
## 107 SUB 52 66 57 64 2000  
## 108 SUB 57 60 35 68 950  
## 109 RWB 50 65 49 52 900  
## 110 SUB 56 62 25 63 950  
## 111 RES 55 64 56 61 2000  
## 112 SUB 61 52 26 71 950  
## 113 RES 67 65 24 50 1000  
## 114 RES 36 59 58 66 2000  
## 115 RES 60 54 21 65 2000  
## 116 RS 58 59 34 67 500  
## 117 RS 54 61 18 65 1000  
## 118 SUB 57 60 23 61 600  
## 119 RES 59 63 27 56 1000  
## 120 RES 42 62 47 66 950  
## 121 RES 51 58 20 62 3000  
## 122 RES 53 58 30 61 1000  
## 123 SUB 53 57 19 56 850  
## 124 SUB 48 60 24 36 1000  
## 125 RES 53 52 25 68 2000

It’s time to see how these selected variables are related

I removed the non-numeric variables to enable me run a complete X by Y correl for the entire dataset

correl<-Nfifa22 %>%   
 select(-short\_name, -league\_name, -club\_position)  
  
head(correl, 5)

## BMI overall age pace shooting dribbling defending physic wage\_eur  
## 1 22.09681 85 24 67 62 74 87 83 120000  
## 2 22.79036 80 22 88 80 75 39 81 66000  
## 3 23.01923 79 27 71 77 70 45 84 23000  
## 4 25.21625 78 30 76 69 80 70 70 56000  
## 5 23.95909 78 24 74 80 77 38 71 83000

Behold our correlation result. Let’s do some interpretations.

round(cor(correl, use="complete.obs"), digits=2)

## BMI overall age pace shooting dribbling defending physic  
## BMI 1.00 -0.09 -0.05 0.01 0.13 0.10 -0.21 -0.01  
## overall -0.09 1.00 0.42 0.23 0.37 0.60 0.33 0.47  
## age -0.05 0.42 1.00 -0.13 0.17 0.16 0.21 0.35  
## pace 0.01 0.23 -0.13 1.00 0.31 0.56 -0.22 -0.22  
## shooting 0.13 0.37 0.17 0.31 1.00 0.63 -0.55 -0.06  
## dribbling 0.10 0.60 0.16 0.56 0.63 1.00 -0.11 -0.07  
## defending -0.21 0.33 0.21 -0.22 -0.55 -0.11 1.00 0.49  
## physic -0.01 0.47 0.35 -0.22 -0.06 -0.07 0.49 1.00  
## wage\_eur -0.04 0.70 0.18 0.08 0.29 0.40 0.26 0.31  
## wage\_eur  
## BMI -0.04  
## overall 0.70  
## age 0.18  
## pace 0.08  
## shooting 0.29  
## dribbling 0.40  
## defending 0.26  
## physic 0.31  
## wage\_eur 1.00

Stand outs?

Positive correlation

Wage\_eur and Overall 0.70 (Wage\_eur is the amount paid to the players in euro, while overall is the overall rating given to the player). This make sense, as it is expected for players with rating to have a linear relationship with earnings.

shooting and dribbling 0.63 (shooting is the ability to kick the ball, generating enough force for the ball to move with precision, speed and impact, very interesting to see that this relates to how well Nigerian players dribble).

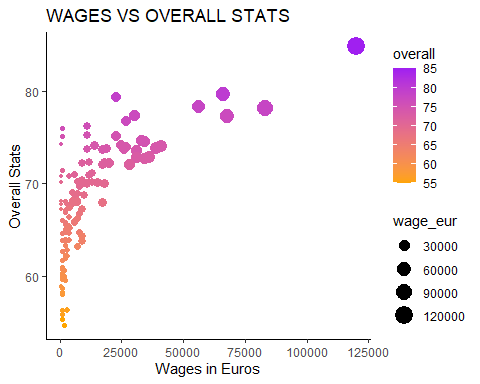
dribbing and overall 0.60 (dribbling is the ability to take the ball past another player while maintaining the ball). The data suggests that better dribblers might be better football players (Ronaldo, Vinicius, Isco, Salah, Sterling)

pace and dribbling 0.56 The result suggest that that faster Nigerian players are better dribblers, and vice versa.

defending and shooting -0.55, This result suggest that defenders don’t have good shooting (Well a few does)

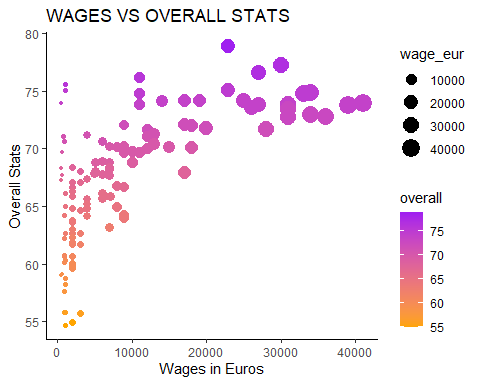
Lets do a visualization to see how these stats

ggplot(Nfifa22)+  
 geom\_jitter(aes(wage\_eur,overall, size=wage\_eur, color=overall))+  
 scale\_color\_gradient(low="orange", high="purple")+  
 theme\_classic()+  
 labs(title = "WAGES VS OVERALL STATS",x="Wages in Euros",y= "Overall Stats")



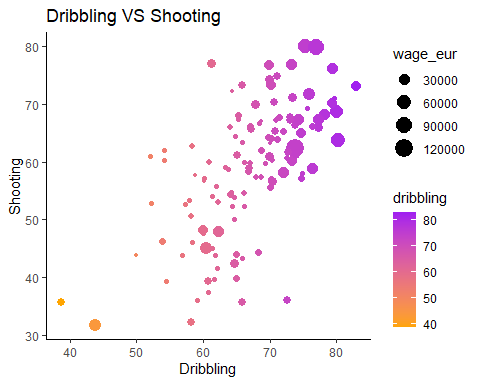
I had to filter the data, and revisualize to view the spread of stats for those below 50,000 euros

normalwages<- filter(Nfifa22, wage\_eur<= 50000)   
  
ggplot(normalwages)+  
 geom\_jitter(aes(wage\_eur,overall, size=wage\_eur, color=overall))+  
 scale\_color\_gradient(low="orange", high="purple")+  
 theme\_classic()+  
 labs(title = "WAGES VS OVERALL STATS",x="Wages in Euros",y= "Overall Stats")



ggplot(Nfifa22)+  
 geom\_jitter(aes(dribbling,shooting, size=wage\_eur, color=dribbling))+  
 scale\_color\_gradient(low="orange", high="purple")+  
 theme\_classic()+  
 labs(title = "Dribbling VS Shooting",x="Dribbling",y= "Shooting")

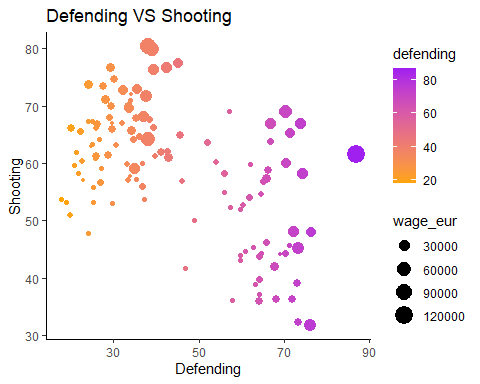
## Warning: Removed 3 rows containing missing values (geom\_point).



We could use gg labels to know this excellent player with low dribbling and shooting but is paid reasonably well. Post for another day…

ggplot(Nfifa22)+  
 geom\_jitter(aes(defending,shooting, size=wage\_eur, color=defending))+  
 scale\_color\_gradient(low="orange", high="purple")+  
 theme\_classic()+  
 labs(title = "Defending VS Shooting",x="Defending",y= "Shooting")

## Warning: Removed 3 rows containing missing values (geom\_point).



Graph suggests that they are Nigerian footballers with strong defending abilities and an average shooting but they are still being paid well.

Let’s see how our boys rank by BMI……

N<-Nfifa22 %>%   
 arrange(desc(BMI))   
  
N

## short\_name BMI overall age pace league\_name  
## 1 V. Onovo 28.04282 61 25 85 Danish Superliga  
## 2 S. Ibrahim 27.63605 59 18 83 USA Major League Soccer  
## 3 I. Success 27.17063 70 25 72 Italian Serie A  
## 4 N. Ofoborh 26.12245 65 21 72 Scottish Premiership  
## 5 F. Friday 25.73708 65 26 71 Norwegian Eliteserien  
## 6 A. Amoo 25.59374 65 19 79 Swedish Allsvenskan  
## 7 B. Ogbeche 25.59221 68 36 63 Indian Super League  
## 8 A. Uzodimma 25.50362 60 22 59 Turkish SÃ¼per Lig  
## 9 C. Akas 25.46401 66 27 64 Portuguese Liga ZON SAGRES  
## 10 O. Alfa 25.43269 56 22 75 English League Championship  
## 11 T. Awoniyi 25.38147 74 23 78 German 1. Bundesliga  
## 12 B. Innocent 25.24934 66 25 76 Swedish Allsvenskan  
## 13 V. Moses 25.21625 78 30 76 Russian Premier League  
## 14 H. Gong 25.20920 65 22 87 Holland Eredivisie  
## 15 S. Abdullahi 25.12783 67 24 79 German 1. Bundesliga  
## 16 A. Ujah 25.00000 70 30 64 German 1. Bundesliga  
## 17 T. Arokodare 24.99420 60 20 51 French Ligue 2  
## 18 S. Kalu 24.89706 74 23 85 French Ligue 1  
## 19 K. Omeruo 24.81096 74 27 68 Spanish Segunda DivisiÃ³n  
## 20 E. Apeh 24.78426 67 24 70 Spanish Segunda DivisiÃ³n  
## 21 D. Ajiboye 24.67550 62 22 90 English League Two  
## 22 S. Eduok 24.53512 68 27 80 Croatian Prva HNL  
## 23 F. Dele-Bashiru 24.53512 58 20 66 English League One  
## 24 C. Dessers 24.51560 71 26 75 Holland Eredivisie  
## 25 M. Omoh 24.48565 64 29 81 Romanian Liga I  
## 26 M. Simon 24.44728 75 25 92 French Ligue 1  
## 27 L. Balogun 24.37673 74 33 70 Scottish Premiership  
## 28 O. Azubuike 24.22145 70 24 72 Turkish SÃ¼per Lig  
## 29 O. Aina 24.22023 74 24 83 Italian Serie A  
## 30 D. Akpeyi 24.07547 74 35 NA South African Premier Division  
## 31 B. Enobakhare 24.03171 66 23 84 English League Championship  
## 32 M. Okoye 23.97715 71 21 NA Holland Eredivisie  
## 33 K. Iheanacho 23.95909 78 24 74 English Premier League  
## 34 K. Fidelis 23.93948 60 22 68 Portuguese Liga ZON SAGRES  
## 35 U. Ekpai 23.88946 70 25 80 Czech Republic Gambrinus Liga  
## 36 F. Ezeh 23.88946 68 23 91 Turkish SÃ¼per Lig  
## 37 N. Sarenren Bazee 23.88844 69 24 75 German 1. Bundesliga  
## 38 B. Ideye 23.80880 68 32 72 Turkish SÃ¼per Lig  
## 39 C. Ejuke 23.78121 74 23 94 Russian Premier League  
## 40 A. Umar 23.78121 70 26 81 Turkish SÃ¼per Lig  
## 41 F. Momoh 23.73531 55 20 57 Swiss Super League  
## 42 S. Adegbenro 23.67125 71 25 90 Swedish Allsvenskan  
## 43 T. Kehinde 23.67125 68 23 86 Danish Superliga  
## 44 S. Chukwueze 23.66144 77 22 87 Spain Primera Division  
## 45 S. Odey 23.54788 65 23 88 Danish Superliga  
## 46 J. Kadiri 23.54788 62 21 76 Norwegian Eliteserien  
## 47 A. Esiti 23.51558 71 27 56 Greek Super League  
## 48 B. Osayi-Samuel 23.51020 73 23 93 Turkish SÃ¼per Lig  
## 49 J. Maja 23.50356 72 22 76 French Ligue 1  
## 50 D. Okereke 23.50356 70 23 85 Italian Serie A  
## 51 A. Aremu 23.50356 65 21 71 German 2. Bundesliga  
## 52 R. Azeez 23.45856 70 28 65 Spain Primera Division  
## 53 K. Nwakali 23.45679 67 23 71 Spanish Segunda DivisiÃ³n  
## 54 A. Tosin 23.40751 68 23 93 Swiss Super League  
## 55 I. Mathew 23.38869 67 24 80 Norwegian Eliteserien  
## 56 A. Nwakaeme 23.37473 77 32 80 Turkish SÃ¼per Lig  
## 57 F. Onyedinma 23.37473 68 24 87 English League Championship  
## 58 S. Osigwe 23.37473 63 27 NA Swiss Super League  
## 59 A. Taiwo 23.37473 62 22 72 Danish Superliga  
## 60 A. Marcus 23.35564 68 21 77 Portuguese Liga ZON SAGRES  
## 61 D. Abiama 23.33412 67 22 82 German 1. Bundesliga  
## 62 C. Irobiso 23.26870 63 28 69 Romanian Liga I  
## 63 T. Moffi 23.20054 74 22 74 French Ligue 1  
## 64 M. Agu 23.08254 69 28 64 Portuguese Liga ZON SAGRES  
## 65 K. Akpoguma 23.05773 74 26 81 German 1. Bundesliga  
## 66 I. Achara 23.04002 58 23 78 USA Major League Soccer  
## 67 R. Onyedika 23.03875 64 20 74 Danish Superliga  
## 68 C. Offor 23.02568 59 21 70 USA Major League Soccer  
## 69 P. Onuachu 23.01923 79 27 71 Belgian Jupiler Pro League  
## 70 J. Obi 22.98190 72 30 83 Italian Serie A  
## 71 C. Emeka 22.95568 60 19 76 Belgian Jupiler Pro League  
## 72 H. Onyekuru 22.85714 75 24 92 Greek Super League  
## 73 H. Akujobi 22.85714 64 21 60 Holland Eredivisie  
## 74 A. Oladoye 22.83951 60 19 68 Belgian Jupiler Pro League  
## 75 J. Igbekeme 22.83737 68 25 73 Spanish Segunda DivisiÃ³n  
## 76 V. Boniface 22.81940 63 20 76 Norwegian Eliteserien  
## 77 V. Osimhen 22.79036 80 22 88 Italian Serie A  
## 78 J. Aribo 22.69402 73 24 84 Scottish Premiership  
## 79 L. James 22.63468 71 28 69 Turkish SÃ¼per Lig  
## 80 O. Etebo 22.59814 72 25 77 English Premier League  
## 81 K. Michael 22.59814 66 21 75 Italian Serie A  
## 82 I. Abdulrazak 22.59814 61 19 77 Swedish Allsvenskan  
## 83 V. Ozornwafor 22.58476 64 22 60 Belgian Jupiler Pro League  
## 84 A. Musa 22.57105 72 28 92 Turkish SÃ¼per Lig  
## 85 G. Ekpolo 22.53086 68 26 77 Swedish Allsvenskan  
## 86 K. Adedoyin 22.53086 56 20 72 English League One  
## 87 W. Troost-Ekong 22.47745 73 27 61 English Premier League  
## 88 O. Nwobodo 22.47121 70 24 84 Turkish SÃ¼per Lig  
## 89 J. Sekidika 22.46003 68 24 92 Belgian Jupiler Pro League  
## 90 R. Friday 22.39541 56 21 78 Swedish Allsvenskan  
## 91 Z. Sanusi 22.34030 76 24 93 Portuguese Liga ZON SAGRES  
## 92 Kachi 22.34030 60 24 85 Norwegian Eliteserien  
## 93 I. Ogbu 22.30547 64 21 72 Norwegian Eliteserien  
## 94 S. Ajayi 22.28248 73 27 75 English League Championship  
## 95 A. Ibrahim 22.22906 62 23 68 Portuguese Liga ZON SAGRES  
## 96 W. Ndidi 22.09681 85 24 67 English Premier League  
## 97 A. Iwobi 21.91381 77 25 77 English Premier League  
## 98 M. Ebiye 21.91381 61 24 88 Norwegian Eliteserien  
## 99 K. Ehizibue 21.83589 72 26 85 German 1. Bundesliga  
## 100 O. Ighalo 21.79820 75 32 67 Saudi Abdul L. Jameel League  
## 101 J. Collins 21.79820 70 26 77 German 2. Bundesliga  
## 102 D. Udoh 21.79820 62 24 80 English League One  
## 103 P. Olayinka 21.78588 76 25 84 Czech Republic Gambrinus Liga  
## 104 B. Akintola 21.77755 70 25 92 Turkish SÃ¼per Lig  
## 105 P. Mukairu 21.73651 69 21 84 Turkish SÃ¼per Lig  
## 106 C. Ofoedu 21.71807 67 28 81 Japanese J. League Division 1  
## 107 T. Owolabi 21.71807 59 25 86 Rep. Ireland Airtricity League  
## 108 R. Hassan 21.63332 65 30 79 Danish Superliga  
## 109 D. Kasumu 21.60494 63 21 68 English League One  
## 110 C. Awaziem 21.55595 72 24 68 Turkish SÃ¼per Lig  
## 111 E. Dennis 21.55102 74 23 88 English Premier League  
## 112 A. Yusuf 21.55102 70 20 81 Belgian Jupiler Pro League  
## 113 T. Dele-Bashiru 21.46194 63 21 75 English League Championship  
## 114 I. Jack 21.44757 66 23 55 Norwegian Eliteserien  
## 115 Simy 21.42639 74 29 59 Italian Serie A  
## 116 I. Said 21.04982 55 19 77 Danish Superliga  
## 117 O. Kayode 20.98399 71 28 88 Turkish SÃ¼per Lig  
## 118 F. Onyeka 20.90239 75 23 87 English Premier League  
## 119 S. Aluko 20.71569 66 32 75 English League One  
## 120 T. Ebuehi 20.58967 69 25 88 Italian Serie A  
## 121 U. Sadiq 20.34505 75 24 83 Spanish Segunda DivisiÃ³n  
## 122 V. Adeboyejo 19.88385 64 23 74 English League Championship  
## 123 J. Pius 19.86631 66 25 52 Belgian Jupiler Pro League  
## 124 O. Ndah 19.39058 67 23 79 South African Premier Division  
## 125 E. Ambrose 19.39058 65 32 46 Scottish Premiership  
## club\_position shooting dribbling defending physic wage\_eur  
## 1 SUB 52 66 57 64 2000  
## 2 SUB 57 60 23 61 600  
## 3 RES 68 73 35 62 10000  
## 4 RES 54 64 62 72 8000  
## 5 ST 64 65 27 72 2000  
## 6 RF 58 75 22 60 1000  
## 7 ST 72 64 34 77 600  
## 8 RES 55 64 56 61 2000  
## 9 LWB 40 62 64 78 2000  
## 10 RES 51 58 20 62 3000  
## 11 RS 73 70 32 76 25000  
## 12 RCM 43 66 60 83 2000  
## 13 RM 69 80 70 70 56000  
## 14 SUB 57 69 33 58 4000  
## 15 RES 66 67 20 76 9000  
## 16 RES 70 68 33 67 18000  
## 17 SUB 61 52 26 71 950  
## 18 SUB 66 77 34 56 19000  
## 19 LCB 32 58 73 78 11000  
## 20 SUB 66 64 26 63 3000  
## 21 RM 54 65 37 59 2000  
## 22 SUB 67 69 30 67 500  
## 23 RES 42 62 47 66 950  
## 24 SUB 73 66 28 73 12000  
## 25 RES 60 66 37 75 2000  
## 26 LM 70 79 34 65 23000  
## 27 LCB 45 60 73 79 39000  
## 28 SUB 42 65 68 74 15000  
## 29 SUB 60 73 70 74 27000  
## 30 GK NA NA NA NA 500  
## 31 RES 57 75 27 65 6000  
## 32 GK NA NA NA NA 4000  
## 33 SUB 80 77 38 71 83000  
## 34 RES 67 65 24 50 1000  
## 35 SUB 63 70 25 69 600  
## 36 SUB 65 72 36 65 7000  
## 37 SUB 61 74 29 47 10000  
## 38 SUB 68 65 38 70 7000  
## 39 LM 68 78 37 59 31000  
## 40 SUB 65 71 46 70 9000  
## 41 RES 53 52 25 68 2000  
## 42 LW 66 76 39 73 6000  
## 43 RM 56 70 37 63 5000  
## 44 SUB 73 83 36 62 27000  
## 45 SUB 60 67 33 66 4000  
## 46 SUB 62 54 21 66 850  
## 47 SUB 46 58 71 81 850  
## 48 RM 59 76 35 65 31000  
## 49 SUB 71 73 28 58 17000  
## 50 RW 67 73 26 66 13000  
## 51 SUB 55 66 65 74 3000  
## 52 SUB 59 67 66 76 12000  
## 53 RCM 60 70 54 61 4000  
## 54 RES 64 70 35 67 7000  
## 55 LCM 60 69 62 72 2000  
## 56 LW 76 79 39 80 30000  
## 57 LW 62 69 43 67 6000  
## 58 SUB NA NA NA NA 2000  
## 59 ST 60 61 23 64 3000  
## 60 SUB 67 71 32 67 3000  
## 61 SUB 66 67 22 62 8000  
## 62 ST 63 58 31 76 3000  
## 63 RS 74 70 24 75 17000  
## 64 RES 44 65 70 74 5000  
## 65 SUB 48 60 76 71 26000  
## 66 RES 59 63 27 56 1000  
## 67 RCM 53 62 60 72 4000  
## 68 RS 54 61 18 65 1000  
## 69 ST 77 70 45 84 23000  
## 70 LCM 67 74 74 75 28000  
## 71 RES 60 54 21 65 2000  
## 72 SUB 71 80 34 54 1000  
## 73 SUB 44 62 60 74 2000  
## 74 RES 36 59 58 66 2000  
## 75 LM 57 70 65 80 5000  
## 76 RES 63 66 25 63 1000  
## 77 ST 80 75 39 81 66000  
## 78 RCM 67 77 67 71 34000  
## 79 ST 70 71 29 74 13000  
## 80 CDM 65 75 71 81 20000  
## 81 RES 64 70 52 58 7000  
## 82 RWB 50 65 49 52 900  
## 83 RES 36 39 64 68 9000  
## 84 SUB 66 74 30 55 12000  
## 85 RB 37 61 64 80 2000  
## 86 RES 53 58 30 61 1000  
## 87 RCB 32 44 76 77 36000  
## 88 RCM 64 71 67 70 7000  
## 89 RES 61 70 43 57 17000  
## 90 SUB 53 57 19 56 850  
## 91 SUB 36 66 72 72 11000  
## 92 SUB 56 62 25 63 950  
## 93 CB 39 54 63 74 950  
## 94 RCB 48 62 72 80 31000  
## 95 RES 45 60 61 56 2000  
## 96 LDM 62 74 87 83 120000  
## 97 SUB 64 80 38 68 68000  
## 98 SUB 57 60 35 68 950  
## 99 SUB 57 70 66 76 18000  
## 100 ST 77 73 42 75 34000  
## 101 LB 36 73 68 67 9000  
## 102 CAM 59 64 35 64 2000  
## 103 LM 69 76 57 78 1000  
## 104 RW 62 73 41 66 11000  
## 105 SUB 68 71 29 64 7000  
## 106 SUB 67 68 25 57 2000  
## 107 RS 58 59 34 67 500  
## 108 LW 57 68 46 63 4000  
## 109 RES 52 64 60 63 2000  
## 110 RCB 39 61 73 74 9000  
## 111 ST 72 76 38 68 41000  
## 112 SUB 44 68 64 74 8000  
## 113 RDM 58 67 56 61 7000  
## 114 LCM 45 61 63 71 1000  
## 115 LS 77 61 29 78 14000  
## 116 SUB 48 60 24 36 1000  
## 117 RM 68 73 36 70 750  
## 118 RCM 58 72 74 81 33000  
## 119 RES 61 73 40 44 4000  
## 120 SUB 40 65 64 72 6000  
## 121 ST 75 71 30 73 11000  
## 122 SUB 61 65 26 67 9000  
## 123 SUB 46 54 66 71 6000  
## 124 SUB 44 50 69 71 500  
## 125 SUB 44 57 65 71 2000

We see quite a number of the Nigerian players are over the BMI value of 24.9

P<-Nfifa22 %>%   
 arrange((BMI))   
  
P

## short\_name BMI overall age pace league\_name  
## 1 O. Ndah 19.39058 67 23 79 South African Premier Division  
## 2 E. Ambrose 19.39058 65 32 46 Scottish Premiership  
## 3 J. Pius 19.86631 66 25 52 Belgian Jupiler Pro League  
## 4 V. Adeboyejo 19.88385 64 23 74 English League Championship  
## 5 U. Sadiq 20.34505 75 24 83 Spanish Segunda DivisiÃ³n  
## 6 T. Ebuehi 20.58967 69 25 88 Italian Serie A  
## 7 S. Aluko 20.71569 66 32 75 English League One  
## 8 F. Onyeka 20.90239 75 23 87 English Premier League  
## 9 O. Kayode 20.98399 71 28 88 Turkish SÃ¼per Lig  
## 10 I. Said 21.04982 55 19 77 Danish Superliga  
## 11 Simy 21.42639 74 29 59 Italian Serie A  
## 12 I. Jack 21.44757 66 23 55 Norwegian Eliteserien  
## 13 T. Dele-Bashiru 21.46194 63 21 75 English League Championship  
## 14 E. Dennis 21.55102 74 23 88 English Premier League  
## 15 A. Yusuf 21.55102 70 20 81 Belgian Jupiler Pro League  
## 16 C. Awaziem 21.55595 72 24 68 Turkish SÃ¼per Lig  
## 17 D. Kasumu 21.60494 63 21 68 English League One  
## 18 R. Hassan 21.63332 65 30 79 Danish Superliga  
## 19 C. Ofoedu 21.71807 67 28 81 Japanese J. League Division 1  
## 20 T. Owolabi 21.71807 59 25 86 Rep. Ireland Airtricity League  
## 21 P. Mukairu 21.73651 69 21 84 Turkish SÃ¼per Lig  
## 22 B. Akintola 21.77755 70 25 92 Turkish SÃ¼per Lig  
## 23 P. Olayinka 21.78588 76 25 84 Czech Republic Gambrinus Liga  
## 24 O. Ighalo 21.79820 75 32 67 Saudi Abdul L. Jameel League  
## 25 J. Collins 21.79820 70 26 77 German 2. Bundesliga  
## 26 D. Udoh 21.79820 62 24 80 English League One  
## 27 K. Ehizibue 21.83589 72 26 85 German 1. Bundesliga  
## 28 A. Iwobi 21.91381 77 25 77 English Premier League  
## 29 M. Ebiye 21.91381 61 24 88 Norwegian Eliteserien  
## 30 W. Ndidi 22.09681 85 24 67 English Premier League  
## 31 A. Ibrahim 22.22906 62 23 68 Portuguese Liga ZON SAGRES  
## 32 S. Ajayi 22.28248 73 27 75 English League Championship  
## 33 I. Ogbu 22.30547 64 21 72 Norwegian Eliteserien  
## 34 Z. Sanusi 22.34030 76 24 93 Portuguese Liga ZON SAGRES  
## 35 Kachi 22.34030 60 24 85 Norwegian Eliteserien  
## 36 R. Friday 22.39541 56 21 78 Swedish Allsvenskan  
## 37 J. Sekidika 22.46003 68 24 92 Belgian Jupiler Pro League  
## 38 O. Nwobodo 22.47121 70 24 84 Turkish SÃ¼per Lig  
## 39 W. Troost-Ekong 22.47745 73 27 61 English Premier League  
## 40 G. Ekpolo 22.53086 68 26 77 Swedish Allsvenskan  
## 41 K. Adedoyin 22.53086 56 20 72 English League One  
## 42 A. Musa 22.57105 72 28 92 Turkish SÃ¼per Lig  
## 43 V. Ozornwafor 22.58476 64 22 60 Belgian Jupiler Pro League  
## 44 O. Etebo 22.59814 72 25 77 English Premier League  
## 45 K. Michael 22.59814 66 21 75 Italian Serie A  
## 46 I. Abdulrazak 22.59814 61 19 77 Swedish Allsvenskan  
## 47 L. James 22.63468 71 28 69 Turkish SÃ¼per Lig  
## 48 J. Aribo 22.69402 73 24 84 Scottish Premiership  
## 49 V. Osimhen 22.79036 80 22 88 Italian Serie A  
## 50 V. Boniface 22.81940 63 20 76 Norwegian Eliteserien  
## 51 J. Igbekeme 22.83737 68 25 73 Spanish Segunda DivisiÃ³n  
## 52 A. Oladoye 22.83951 60 19 68 Belgian Jupiler Pro League  
## 53 H. Onyekuru 22.85714 75 24 92 Greek Super League  
## 54 H. Akujobi 22.85714 64 21 60 Holland Eredivisie  
## 55 C. Emeka 22.95568 60 19 76 Belgian Jupiler Pro League  
## 56 J. Obi 22.98190 72 30 83 Italian Serie A  
## 57 P. Onuachu 23.01923 79 27 71 Belgian Jupiler Pro League  
## 58 C. Offor 23.02568 59 21 70 USA Major League Soccer  
## 59 R. Onyedika 23.03875 64 20 74 Danish Superliga  
## 60 I. Achara 23.04002 58 23 78 USA Major League Soccer  
## 61 K. Akpoguma 23.05773 74 26 81 German 1. Bundesliga  
## 62 M. Agu 23.08254 69 28 64 Portuguese Liga ZON SAGRES  
## 63 T. Moffi 23.20054 74 22 74 French Ligue 1  
## 64 C. Irobiso 23.26870 63 28 69 Romanian Liga I  
## 65 D. Abiama 23.33412 67 22 82 German 1. Bundesliga  
## 66 A. Marcus 23.35564 68 21 77 Portuguese Liga ZON SAGRES  
## 67 A. Nwakaeme 23.37473 77 32 80 Turkish SÃ¼per Lig  
## 68 F. Onyedinma 23.37473 68 24 87 English League Championship  
## 69 S. Osigwe 23.37473 63 27 NA Swiss Super League  
## 70 A. Taiwo 23.37473 62 22 72 Danish Superliga  
## 71 I. Mathew 23.38869 67 24 80 Norwegian Eliteserien  
## 72 A. Tosin 23.40751 68 23 93 Swiss Super League  
## 73 K. Nwakali 23.45679 67 23 71 Spanish Segunda DivisiÃ³n  
## 74 R. Azeez 23.45856 70 28 65 Spain Primera Division  
## 75 J. Maja 23.50356 72 22 76 French Ligue 1  
## 76 D. Okereke 23.50356 70 23 85 Italian Serie A  
## 77 A. Aremu 23.50356 65 21 71 German 2. Bundesliga  
## 78 B. Osayi-Samuel 23.51020 73 23 93 Turkish SÃ¼per Lig  
## 79 A. Esiti 23.51558 71 27 56 Greek Super League  
## 80 S. Odey 23.54788 65 23 88 Danish Superliga  
## 81 J. Kadiri 23.54788 62 21 76 Norwegian Eliteserien  
## 82 S. Chukwueze 23.66144 77 22 87 Spain Primera Division  
## 83 S. Adegbenro 23.67125 71 25 90 Swedish Allsvenskan  
## 84 T. Kehinde 23.67125 68 23 86 Danish Superliga  
## 85 F. Momoh 23.73531 55 20 57 Swiss Super League  
## 86 C. Ejuke 23.78121 74 23 94 Russian Premier League  
## 87 A. Umar 23.78121 70 26 81 Turkish SÃ¼per Lig  
## 88 B. Ideye 23.80880 68 32 72 Turkish SÃ¼per Lig  
## 89 N. Sarenren Bazee 23.88844 69 24 75 German 1. Bundesliga  
## 90 U. Ekpai 23.88946 70 25 80 Czech Republic Gambrinus Liga  
## 91 F. Ezeh 23.88946 68 23 91 Turkish SÃ¼per Lig  
## 92 K. Fidelis 23.93948 60 22 68 Portuguese Liga ZON SAGRES  
## 93 K. Iheanacho 23.95909 78 24 74 English Premier League  
## 94 M. Okoye 23.97715 71 21 NA Holland Eredivisie  
## 95 B. Enobakhare 24.03171 66 23 84 English League Championship  
## 96 D. Akpeyi 24.07547 74 35 NA South African Premier Division  
## 97 O. Aina 24.22023 74 24 83 Italian Serie A  
## 98 O. Azubuike 24.22145 70 24 72 Turkish SÃ¼per Lig  
## 99 L. Balogun 24.37673 74 33 70 Scottish Premiership  
## 100 M. Simon 24.44728 75 25 92 French Ligue 1  
## 101 M. Omoh 24.48565 64 29 81 Romanian Liga I  
## 102 C. Dessers 24.51560 71 26 75 Holland Eredivisie  
## 103 S. Eduok 24.53512 68 27 80 Croatian Prva HNL  
## 104 F. Dele-Bashiru 24.53512 58 20 66 English League One  
## 105 D. Ajiboye 24.67550 62 22 90 English League Two  
## 106 E. Apeh 24.78426 67 24 70 Spanish Segunda DivisiÃ³n  
## 107 K. Omeruo 24.81096 74 27 68 Spanish Segunda DivisiÃ³n  
## 108 S. Kalu 24.89706 74 23 85 French Ligue 1  
## 109 T. Arokodare 24.99420 60 20 51 French Ligue 2  
## 110 A. Ujah 25.00000 70 30 64 German 1. Bundesliga  
## 111 S. Abdullahi 25.12783 67 24 79 German 1. Bundesliga  
## 112 H. Gong 25.20920 65 22 87 Holland Eredivisie  
## 113 V. Moses 25.21625 78 30 76 Russian Premier League  
## 114 B. Innocent 25.24934 66 25 76 Swedish Allsvenskan  
## 115 T. Awoniyi 25.38147 74 23 78 German 1. Bundesliga  
## 116 O. Alfa 25.43269 56 22 75 English League Championship  
## 117 C. Akas 25.46401 66 27 64 Portuguese Liga ZON SAGRES  
## 118 A. Uzodimma 25.50362 60 22 59 Turkish SÃ¼per Lig  
## 119 B. Ogbeche 25.59221 68 36 63 Indian Super League  
## 120 A. Amoo 25.59374 65 19 79 Swedish Allsvenskan  
## 121 F. Friday 25.73708 65 26 71 Norwegian Eliteserien  
## 122 N. Ofoborh 26.12245 65 21 72 Scottish Premiership  
## 123 I. Success 27.17063 70 25 72 Italian Serie A  
## 124 S. Ibrahim 27.63605 59 18 83 USA Major League Soccer  
## 125 V. Onovo 28.04282 61 25 85 Danish Superliga  
## club\_position shooting dribbling defending physic wage\_eur  
## 1 SUB 44 50 69 71 500  
## 2 SUB 44 57 65 71 2000  
## 3 SUB 46 54 66 71 6000  
## 4 SUB 61 65 26 67 9000  
## 5 ST 75 71 30 73 11000  
## 6 SUB 40 65 64 72 6000  
## 7 RES 61 73 40 44 4000  
## 8 RCM 58 72 74 81 33000  
## 9 RM 68 73 36 70 750  
## 10 SUB 48 60 24 36 1000  
## 11 LS 77 61 29 78 14000  
## 12 LCM 45 61 63 71 1000  
## 13 RDM 58 67 56 61 7000  
## 14 ST 72 76 38 68 41000  
## 15 SUB 44 68 64 74 8000  
## 16 RCB 39 61 73 74 9000  
## 17 RES 52 64 60 63 2000  
## 18 LW 57 68 46 63 4000  
## 19 SUB 67 68 25 57 2000  
## 20 RS 58 59 34 67 500  
## 21 SUB 68 71 29 64 7000  
## 22 RW 62 73 41 66 11000  
## 23 LM 69 76 57 78 1000  
## 24 ST 77 73 42 75 34000  
## 25 LB 36 73 68 67 9000  
## 26 CAM 59 64 35 64 2000  
## 27 SUB 57 70 66 76 18000  
## 28 SUB 64 80 38 68 68000  
## 29 SUB 57 60 35 68 950  
## 30 LDM 62 74 87 83 120000  
## 31 RES 45 60 61 56 2000  
## 32 RCB 48 62 72 80 31000  
## 33 CB 39 54 63 74 950  
## 34 SUB 36 66 72 72 11000  
## 35 SUB 56 62 25 63 950  
## 36 SUB 53 57 19 56 850  
## 37 RES 61 70 43 57 17000  
## 38 RCM 64 71 67 70 7000  
## 39 RCB 32 44 76 77 36000  
## 40 RB 37 61 64 80 2000  
## 41 RES 53 58 30 61 1000  
## 42 SUB 66 74 30 55 12000  
## 43 RES 36 39 64 68 9000  
## 44 CDM 65 75 71 81 20000  
## 45 RES 64 70 52 58 7000  
## 46 RWB 50 65 49 52 900  
## 47 ST 70 71 29 74 13000  
## 48 RCM 67 77 67 71 34000  
## 49 ST 80 75 39 81 66000  
## 50 RES 63 66 25 63 1000  
## 51 LM 57 70 65 80 5000  
## 52 RES 36 59 58 66 2000  
## 53 SUB 71 80 34 54 1000  
## 54 SUB 44 62 60 74 2000  
## 55 RES 60 54 21 65 2000  
## 56 LCM 67 74 74 75 28000  
## 57 ST 77 70 45 84 23000  
## 58 RS 54 61 18 65 1000  
## 59 RCM 53 62 60 72 4000  
## 60 RES 59 63 27 56 1000  
## 61 SUB 48 60 76 71 26000  
## 62 RES 44 65 70 74 5000  
## 63 RS 74 70 24 75 17000  
## 64 ST 63 58 31 76 3000  
## 65 SUB 66 67 22 62 8000  
## 66 SUB 67 71 32 67 3000  
## 67 LW 76 79 39 80 30000  
## 68 LW 62 69 43 67 6000  
## 69 SUB NA NA NA NA 2000  
## 70 ST 60 61 23 64 3000  
## 71 LCM 60 69 62 72 2000  
## 72 RES 64 70 35 67 7000  
## 73 RCM 60 70 54 61 4000  
## 74 SUB 59 67 66 76 12000  
## 75 SUB 71 73 28 58 17000  
## 76 RW 67 73 26 66 13000  
## 77 SUB 55 66 65 74 3000  
## 78 RM 59 76 35 65 31000  
## 79 SUB 46 58 71 81 850  
## 80 SUB 60 67 33 66 4000  
## 81 SUB 62 54 21 66 850  
## 82 SUB 73 83 36 62 27000  
## 83 LW 66 76 39 73 6000  
## 84 RM 56 70 37 63 5000  
## 85 RES 53 52 25 68 2000  
## 86 LM 68 78 37 59 31000  
## 87 SUB 65 71 46 70 9000  
## 88 SUB 68 65 38 70 7000  
## 89 SUB 61 74 29 47 10000  
## 90 SUB 63 70 25 69 600  
## 91 SUB 65 72 36 65 7000  
## 92 RES 67 65 24 50 1000  
## 93 SUB 80 77 38 71 83000  
## 94 GK NA NA NA NA 4000  
## 95 RES 57 75 27 65 6000  
## 96 GK NA NA NA NA 500  
## 97 SUB 60 73 70 74 27000  
## 98 SUB 42 65 68 74 15000  
## 99 LCB 45 60 73 79 39000  
## 100 LM 70 79 34 65 23000  
## 101 RES 60 66 37 75 2000  
## 102 SUB 73 66 28 73 12000  
## 103 SUB 67 69 30 67 500  
## 104 RES 42 62 47 66 950  
## 105 RM 54 65 37 59 2000  
## 106 SUB 66 64 26 63 3000  
## 107 LCB 32 58 73 78 11000  
## 108 SUB 66 77 34 56 19000  
## 109 SUB 61 52 26 71 950  
## 110 RES 70 68 33 67 18000  
## 111 RES 66 67 20 76 9000  
## 112 SUB 57 69 33 58 4000  
## 113 RM 69 80 70 70 56000  
## 114 RCM 43 66 60 83 2000  
## 115 RS 73 70 32 76 25000  
## 116 RES 51 58 20 62 3000  
## 117 LWB 40 62 64 78 2000  
## 118 RES 55 64 56 61 2000  
## 119 ST 72 64 34 77 600  
## 120 RF 58 75 22 60 1000  
## 121 ST 64 65 27 72 2000  
## 122 RES 54 64 62 72 8000  
## 123 RES 68 73 35 62 10000  
## 124 SUB 57 60 23 61 600  
## 125 SUB 52 66 57 64 2000

P<-Nfifa22 %>%   
 arrange(desc(overall))   
  
P

## short\_name BMI overall age pace league\_name  
## 1 W. Ndidi 22.09681 85 24 67 English Premier League  
## 2 V. Osimhen 22.79036 80 22 88 Italian Serie A  
## 3 P. Onuachu 23.01923 79 27 71 Belgian Jupiler Pro League  
## 4 V. Moses 25.21625 78 30 76 Russian Premier League  
## 5 K. Iheanacho 23.95909 78 24 74 English Premier League  
## 6 A. Iwobi 21.91381 77 25 77 English Premier League  
## 7 A. Nwakaeme 23.37473 77 32 80 Turkish SÃ¼per Lig  
## 8 S. Chukwueze 23.66144 77 22 87 Spain Primera Division  
## 9 P. Olayinka 21.78588 76 25 84 Czech Republic Gambrinus Liga  
## 10 Z. Sanusi 22.34030 76 24 93 Portuguese Liga ZON SAGRES  
## 11 O. Ighalo 21.79820 75 32 67 Saudi Abdul L. Jameel League  
## 12 M. Simon 24.44728 75 25 92 French Ligue 1  
## 13 U. Sadiq 20.34505 75 24 83 Spanish Segunda DivisiÃ³n  
## 14 H. Onyekuru 22.85714 75 24 92 Greek Super League  
## 15 F. Onyeka 20.90239 75 23 87 English Premier League  
## 16 L. Balogun 24.37673 74 33 70 Scottish Premiership  
## 17 K. Omeruo 24.81096 74 27 68 Spanish Segunda DivisiÃ³n  
## 18 K. Akpoguma 23.05773 74 26 81 German 1. Bundesliga  
## 19 Simy 21.42639 74 29 59 Italian Serie A  
## 20 O. Aina 24.22023 74 24 83 Italian Serie A  
## 21 T. Awoniyi 25.38147 74 23 78 German 1. Bundesliga  
## 22 S. Kalu 24.89706 74 23 85 French Ligue 1  
## 23 C. Ejuke 23.78121 74 23 94 Russian Premier League  
## 24 E. Dennis 21.55102 74 23 88 English Premier League  
## 25 D. Akpeyi 24.07547 74 35 NA South African Premier Division  
## 26 T. Moffi 23.20054 74 22 74 French Ligue 1  
## 27 S. Ajayi 22.28248 73 27 75 English League Championship  
## 28 W. Troost-Ekong 22.47745 73 27 61 English Premier League  
## 29 B. Osayi-Samuel 23.51020 73 23 93 Turkish SÃ¼per Lig  
## 30 J. Aribo 22.69402 73 24 84 Scottish Premiership  
## 31 J. Obi 22.98190 72 30 83 Italian Serie A  
## 32 A. Musa 22.57105 72 28 92 Turkish SÃ¼per Lig  
## 33 K. Ehizibue 21.83589 72 26 85 German 1. Bundesliga  
## 34 C. Awaziem 21.55595 72 24 68 Turkish SÃ¼per Lig  
## 35 O. Etebo 22.59814 72 25 77 English Premier League  
## 36 J. Maja 23.50356 72 22 76 French Ligue 1  
## 37 L. James 22.63468 71 28 69 Turkish SÃ¼per Lig  
## 38 O. Kayode 20.98399 71 28 88 Turkish SÃ¼per Lig  
## 39 A. Esiti 23.51558 71 27 56 Greek Super League  
## 40 C. Dessers 24.51560 71 26 75 Holland Eredivisie  
## 41 S. Adegbenro 23.67125 71 25 90 Swedish Allsvenskan  
## 42 M. Okoye 23.97715 71 21 NA Holland Eredivisie  
## 43 A. Ujah 25.00000 70 30 64 German 1. Bundesliga  
## 44 R. Azeez 23.45856 70 28 65 Spain Primera Division  
## 45 I. Success 27.17063 70 25 72 Italian Serie A  
## 46 B. Akintola 21.77755 70 25 92 Turkish SÃ¼per Lig  
## 47 A. Umar 23.78121 70 26 81 Turkish SÃ¼per Lig  
## 48 D. Okereke 23.50356 70 23 85 Italian Serie A  
## 49 O. Azubuike 24.22145 70 24 72 Turkish SÃ¼per Lig  
## 50 J. Collins 21.79820 70 26 77 German 2. Bundesliga  
## 51 U. Ekpai 23.88946 70 25 80 Czech Republic Gambrinus Liga  
## 52 A. Yusuf 21.55102 70 20 81 Belgian Jupiler Pro League  
## 53 O. Nwobodo 22.47121 70 24 84 Turkish SÃ¼per Lig  
## 54 M. Agu 23.08254 69 28 64 Portuguese Liga ZON SAGRES  
## 55 T. Ebuehi 20.58967 69 25 88 Italian Serie A  
## 56 N. Sarenren Bazee 23.88844 69 24 75 German 1. Bundesliga  
## 57 P. Mukairu 21.73651 69 21 84 Turkish SÃ¼per Lig  
## 58 B. Ogbeche 25.59221 68 36 63 Indian Super League  
## 59 B. Ideye 23.80880 68 32 72 Turkish SÃ¼per Lig  
## 60 F. Onyedinma 23.37473 68 24 87 English League Championship  
## 61 G. Ekpolo 22.53086 68 26 77 Swedish Allsvenskan  
## 62 S. Eduok 24.53512 68 27 80 Croatian Prva HNL  
## 63 T. Kehinde 23.67125 68 23 86 Danish Superliga  
## 64 J. Igbekeme 22.83737 68 25 73 Spanish Segunda DivisiÃ³n  
## 65 A. Tosin 23.40751 68 23 93 Swiss Super League  
## 66 J. Sekidika 22.46003 68 24 92 Belgian Jupiler Pro League  
## 67 F. Ezeh 23.88946 68 23 91 Turkish SÃ¼per Lig  
## 68 A. Marcus 23.35564 68 21 77 Portuguese Liga ZON SAGRES  
## 69 S. Abdullahi 25.12783 67 24 79 German 1. Bundesliga  
## 70 I. Mathew 23.38869 67 24 80 Norwegian Eliteserien  
## 71 K. Nwakali 23.45679 67 23 71 Spanish Segunda DivisiÃ³n  
## 72 E. Apeh 24.78426 67 24 70 Spanish Segunda DivisiÃ³n  
## 73 D. Abiama 23.33412 67 22 82 German 1. Bundesliga  
## 74 C. Ofoedu 21.71807 67 28 81 Japanese J. League Division 1  
## 75 O. Ndah 19.39058 67 23 79 South African Premier Division  
## 76 S. Aluko 20.71569 66 32 75 English League One  
## 77 B. Innocent 25.24934 66 25 76 Swedish Allsvenskan  
## 78 B. Enobakhare 24.03171 66 23 84 English League Championship  
## 79 J. Pius 19.86631 66 25 52 Belgian Jupiler Pro League  
## 80 C. Akas 25.46401 66 27 64 Portuguese Liga ZON SAGRES  
## 81 K. Michael 22.59814 66 21 75 Italian Serie A  
## 82 I. Jack 21.44757 66 23 55 Norwegian Eliteserien  
## 83 E. Ambrose 19.39058 65 32 46 Scottish Premiership  
## 84 R. Hassan 21.63332 65 30 79 Danish Superliga  
## 85 F. Friday 25.73708 65 26 71 Norwegian Eliteserien  
## 86 S. Odey 23.54788 65 23 88 Danish Superliga  
## 87 A. Aremu 23.50356 65 21 71 German 2. Bundesliga  
## 88 N. Ofoborh 26.12245 65 21 72 Scottish Premiership  
## 89 H. Gong 25.20920 65 22 87 Holland Eredivisie  
## 90 A. Amoo 25.59374 65 19 79 Swedish Allsvenskan  
## 91 V. Adeboyejo 19.88385 64 23 74 English League Championship  
## 92 M. Omoh 24.48565 64 29 81 Romanian Liga I  
## 93 I. Ogbu 22.30547 64 21 72 Norwegian Eliteserien  
## 94 V. Ozornwafor 22.58476 64 22 60 Belgian Jupiler Pro League  
## 95 H. Akujobi 22.85714 64 21 60 Holland Eredivisie  
## 96 R. Onyedika 23.03875 64 20 74 Danish Superliga  
## 97 C. Irobiso 23.26870 63 28 69 Romanian Liga I  
## 98 T. Dele-Bashiru 21.46194 63 21 75 English League Championship  
## 99 D. Kasumu 21.60494 63 21 68 English League One  
## 100 V. Boniface 22.81940 63 20 76 Norwegian Eliteserien  
## 101 S. Osigwe 23.37473 63 27 NA Swiss Super League  
## 102 D. Udoh 21.79820 62 24 80 English League One  
## 103 D. Ajiboye 24.67550 62 22 90 English League Two  
## 104 A. Ibrahim 22.22906 62 23 68 Portuguese Liga ZON SAGRES  
## 105 J. Kadiri 23.54788 62 21 76 Norwegian Eliteserien  
## 106 A. Taiwo 23.37473 62 22 72 Danish Superliga  
## 107 V. Onovo 28.04282 61 25 85 Danish Superliga  
## 108 M. Ebiye 21.91381 61 24 88 Norwegian Eliteserien  
## 109 I. Abdulrazak 22.59814 61 19 77 Swedish Allsvenskan  
## 110 Kachi 22.34030 60 24 85 Norwegian Eliteserien  
## 111 A. Uzodimma 25.50362 60 22 59 Turkish SÃ¼per Lig  
## 112 T. Arokodare 24.99420 60 20 51 French Ligue 2  
## 113 K. Fidelis 23.93948 60 22 68 Portuguese Liga ZON SAGRES  
## 114 A. Oladoye 22.83951 60 19 68 Belgian Jupiler Pro League  
## 115 C. Emeka 22.95568 60 19 76 Belgian Jupiler Pro League  
## 116 T. Owolabi 21.71807 59 25 86 Rep. Ireland Airtricity League  
## 117 C. Offor 23.02568 59 21 70 USA Major League Soccer  
## 118 S. Ibrahim 27.63605 59 18 83 USA Major League Soccer  
## 119 I. Achara 23.04002 58 23 78 USA Major League Soccer  
## 120 F. Dele-Bashiru 24.53512 58 20 66 English League One  
## 121 O. Alfa 25.43269 56 22 75 English League Championship  
## 122 K. Adedoyin 22.53086 56 20 72 English League One  
## 123 R. Friday 22.39541 56 21 78 Swedish Allsvenskan  
## 124 I. Said 21.04982 55 19 77 Danish Superliga  
## 125 F. Momoh 23.73531 55 20 57 Swiss Super League  
## club\_position shooting dribbling defending physic wage\_eur  
## 1 LDM 62 74 87 83 120000  
## 2 ST 80 75 39 81 66000  
## 3 ST 77 70 45 84 23000  
## 4 RM 69 80 70 70 56000  
## 5 SUB 80 77 38 71 83000  
## 6 SUB 64 80 38 68 68000  
## 7 LW 76 79 39 80 30000  
## 8 SUB 73 83 36 62 27000  
## 9 LM 69 76 57 78 1000  
## 10 SUB 36 66 72 72 11000  
## 11 ST 77 73 42 75 34000  
## 12 LM 70 79 34 65 23000  
## 13 ST 75 71 30 73 11000  
## 14 SUB 71 80 34 54 1000  
## 15 RCM 58 72 74 81 33000  
## 16 LCB 45 60 73 79 39000  
## 17 LCB 32 58 73 78 11000  
## 18 SUB 48 60 76 71 26000  
## 19 LS 77 61 29 78 14000  
## 20 SUB 60 73 70 74 27000  
## 21 RS 73 70 32 76 25000  
## 22 SUB 66 77 34 56 19000  
## 23 LM 68 78 37 59 31000  
## 24 ST 72 76 38 68 41000  
## 25 GK NA NA NA NA 500  
## 26 RS 74 70 24 75 17000  
## 27 RCB 48 62 72 80 31000  
## 28 RCB 32 44 76 77 36000  
## 29 RM 59 76 35 65 31000  
## 30 RCM 67 77 67 71 34000  
## 31 LCM 67 74 74 75 28000  
## 32 SUB 66 74 30 55 12000  
## 33 SUB 57 70 66 76 18000  
## 34 RCB 39 61 73 74 9000  
## 35 CDM 65 75 71 81 20000  
## 36 SUB 71 73 28 58 17000  
## 37 ST 70 71 29 74 13000  
## 38 RM 68 73 36 70 750  
## 39 SUB 46 58 71 81 850  
## 40 SUB 73 66 28 73 12000  
## 41 LW 66 76 39 73 6000  
## 42 GK NA NA NA NA 4000  
## 43 RES 70 68 33 67 18000  
## 44 SUB 59 67 66 76 12000  
## 45 RES 68 73 35 62 10000  
## 46 RW 62 73 41 66 11000  
## 47 SUB 65 71 46 70 9000  
## 48 RW 67 73 26 66 13000  
## 49 SUB 42 65 68 74 15000  
## 50 LB 36 73 68 67 9000  
## 51 SUB 63 70 25 69 600  
## 52 SUB 44 68 64 74 8000  
## 53 RCM 64 71 67 70 7000  
## 54 RES 44 65 70 74 5000  
## 55 SUB 40 65 64 72 6000  
## 56 SUB 61 74 29 47 10000  
## 57 SUB 68 71 29 64 7000  
## 58 ST 72 64 34 77 600  
## 59 SUB 68 65 38 70 7000  
## 60 LW 62 69 43 67 6000  
## 61 RB 37 61 64 80 2000  
## 62 SUB 67 69 30 67 500  
## 63 RM 56 70 37 63 5000  
## 64 LM 57 70 65 80 5000  
## 65 RES 64 70 35 67 7000  
## 66 RES 61 70 43 57 17000  
## 67 SUB 65 72 36 65 7000  
## 68 SUB 67 71 32 67 3000  
## 69 RES 66 67 20 76 9000  
## 70 LCM 60 69 62 72 2000  
## 71 RCM 60 70 54 61 4000  
## 72 SUB 66 64 26 63 3000  
## 73 SUB 66 67 22 62 8000  
## 74 SUB 67 68 25 57 2000  
## 75 SUB 44 50 69 71 500  
## 76 RES 61 73 40 44 4000  
## 77 RCM 43 66 60 83 2000  
## 78 RES 57 75 27 65 6000  
## 79 SUB 46 54 66 71 6000  
## 80 LWB 40 62 64 78 2000  
## 81 RES 64 70 52 58 7000  
## 82 LCM 45 61 63 71 1000  
## 83 SUB 44 57 65 71 2000  
## 84 LW 57 68 46 63 4000  
## 85 ST 64 65 27 72 2000  
## 86 SUB 60 67 33 66 4000  
## 87 SUB 55 66 65 74 3000  
## 88 RES 54 64 62 72 8000  
## 89 SUB 57 69 33 58 4000  
## 90 RF 58 75 22 60 1000  
## 91 SUB 61 65 26 67 9000  
## 92 RES 60 66 37 75 2000  
## 93 CB 39 54 63 74 950  
## 94 RES 36 39 64 68 9000  
## 95 SUB 44 62 60 74 2000  
## 96 RCM 53 62 60 72 4000  
## 97 ST 63 58 31 76 3000  
## 98 RDM 58 67 56 61 7000  
## 99 RES 52 64 60 63 2000  
## 100 RES 63 66 25 63 1000  
## 101 SUB NA NA NA NA 2000  
## 102 CAM 59 64 35 64 2000  
## 103 RM 54 65 37 59 2000  
## 104 RES 45 60 61 56 2000  
## 105 SUB 62 54 21 66 850  
## 106 ST 60 61 23 64 3000  
## 107 SUB 52 66 57 64 2000

The best Nigerian players on Fifa 22, suprisingly they all play in europe, and only one has a BMI that’s over 24.9.. Additionally, he has retired from the Nigerian football team

I want to run some grouped filtering.

by\_lg <- group\_by(Nfifa22, league\_name)  
  
summarise(by\_lg,n= n()) %>%   
 arrange (desc(n))

## # A tibble: 31 x 2  
## league\_name n  
## <chr> <int>  
## 1 Turkish SÃ¼per Lig 14  
## 2 Italian Serie A 8  
## 3 Norwegian Eliteserien 8  
## 4 Belgian Jupiler Pro League 7  
## 5 Danish Superliga 7  
## 6 English Premier League 7  
## 7 German 1. Bundesliga 7  
## 8 English League Championship 6  
## 9 Portuguese Liga ZON SAGRES 6  
## 10 Swedish Allsvenskan 6  
## # ... with 21 more rows

We have leagues with just one player. I’d have to use median to do my analysis.

What’s the mean pay for each league

by\_lg <- group\_by(Nfifa22, league\_name)  
  
summarise(by\_lg, BMI\_Mean = mean(BMI, na.rm = TRUE),overall\_Mean= mean(overall, na.rm = TRUE), wage\_Mean= mean(wage\_eur, na.rm = TRUE)) %>% arrange(desc(wage\_Mean))-> pay  
  
head(pay,10)

## # A tibble: 10 x 4  
## league\_name BMI\_Mean overall\_Mean wage\_Mean  
## <chr> <dbl> <dbl> <dbl>  
## 1 English Premier League 22.2 76.3 57286.  
## 2 Russian Premier League 24.5 76 43500   
## 3 Saudi Abdul L. Jameel League 21.8 75 34000   
## 4 Italian Serie A 23.2 71.9 21375   
## 5 Scottish Premiership 23.1 69.2 20750   
## 6 Spain Primera Division 23.6 73.5 19500   
## 7 French Ligue 1 24.0 73.8 19000   
## 8 German 1. Bundesliga 23.9 70.4 16286.  
## 9 Turkish SÃ¼per Lig 23.0 70.1 11482.  
## 10 English League Championship 22.7 65 10333.

tail(pay,10)

## # A tibble: 10 x 4  
## league\_name BMI\_Mean overall\_Mean wage\_Mean  
## <chr> <dbl> <dbl> <dbl>  
## 1 English League One 22.2 61 1990   
## 2 Norwegian Eliteserien 22.9 63.5 1212.  
## 3 French Ligue 2 25.0 60 950   
## 4 Greek Super League 23.2 73 925   
## 5 USA Major League Soccer 24.6 58.7 867.  
## 6 Czech Republic Gambrinus Liga 22.8 73 800   
## 7 Indian Super League 25.6 68 600   
## 8 Croatian Prva HNL 24.5 68 500   
## 9 Rep. Ireland Airtricity League 21.7 59 500   
## 10 South African Premier Division 21.7 70.5 500

The boys in ENgland make the most bag, while those in Indian Super league,

What’s the median BMI for each league

summarise(by\_lg, BMI\_AVG = mean(BMI, na.rm = TRUE),overall\_AVG= mean(overall, na.rm = TRUE), wage\_AVG= mean(wage\_eur, na.rm = TRUE)) %>% arrange(desc(BMI\_AVG))-> BM  
  
head(BM,10)

## # A tibble: 10 x 4  
## league\_name BMI\_AVG overall\_AVG wage\_AVG  
## <chr> <dbl> <dbl> <dbl>  
## 1 Indian Super League 25.6 68 600   
## 2 French Ligue 2 25.0 60 950   
## 3 English League Two 24.7 62 2000   
## 4 USA Major League Soccer 24.6 58.7 867.  
## 5 Croatian Prva HNL 24.5 68 500   
## 6 Russian Premier League 24.5 76 43500   
## 7 Holland Eredivisie 24.1 67.8 5500   
## 8 French Ligue 1 24.0 73.8 19000   
## 9 German 1. Bundesliga 23.9 70.4 16286.  
## 10 Romanian Liga I 23.9 63.5 2500

tail(BM,10)

## # A tibble: 10 x 4  
## league\_name BMI\_AVG overall\_AVG wage\_AVG  
## <chr> <dbl> <dbl> <dbl>  
## 1 Czech Republic Gambrinus Liga 22.8 73 800   
## 2 English League Championship 22.7 65 10333.  
## 3 German 2. Bundesliga 22.7 67.5 6000   
## 4 English League One 22.2 61 1990   
## 5 English Premier League 22.2 76.3 57286.  
## 6 Belgian Jupiler Pro League 22.2 66.7 9571.  
## 7 Saudi Abdul L. Jameel League 21.8 75 34000   
## 8 South African Premier Division 21.7 70.5 500   
## 9 Japanese J. League Division 1 21.7 67 2000   
## 10 Rep. Ireland Airtricity League 21.7 59 500

The French Ligue 2 and the Indian League might not be physically challenging compared to other leagues.

Which leagues have the highest rating

summarise(by\_lg, BMI\_AVG = median(BMI, na.rm = TRUE),overall\_AVG= median(overall, na.rm = TRUE), wage\_AVG= median(wage\_eur, na.rm = TRUE)) %>% arrange(desc(overall\_AVG))

## # A tibble: 31 x 4  
## league\_name BMI\_AVG overall\_AVG wage\_AVG  
## <chr> <dbl> <dbl> <dbl>  
## 1 Russian Premier League 24.5 76 43500  
## 2 English Premier League 22.1 75 41000  
## 3 Saudi Abdul L. Jameel League 21.8 75 34000  
## 4 French Ligue 1 24.0 74 18000  
## 5 Spain Primera Division 23.6 73.5 19500  
## 6 Czech Republic Gambrinus Liga 22.8 73 800  
## 7 Greek Super League 23.2 73 925  
## 8 Italian Serie A 22.9 71 13500  
## 9 South African Premier Division 21.7 70.5 500  
## 10 German 1. Bundesliga 23.9 70 18000  
## # ... with 21 more rows

From this short analysis using the Fifa 22 dataset, Nigerian players in England, and Russia earn more than their counterparts playing in other countries. There are some Nigerian players that have ratings that are much higher than others. Also, there is no clear relationship between BMI, and Nigerian football players metrics.