

Player data webscrape

The following code is code to scrape <https://www.whoscored.com/Teams/1>. The first script is to scrape only the summary table of a team. The other script is to scrape the detailed table.

```
In [2]: import time
import pandas as pd
import matplotlib.pyplot as plt
from selenium.webdriver.common.action_chains import ActionChains
```

```
In [ ]: from selenium import webdriver
from selenium.webdriver.common.by import By
from selenium.webdriver.support.ui import WebDriverWait
from selenium.webdriver.support import expected_conditions as EC

chrome_path = "C:\\Users\\artsd\\Drivers\\chromedriver.exe"
```

```
In [46]: driver = webdriver.Chrome(chrome_path)

links = ["https://www.whoscored.com/Teams/13/Show/England-Arsenal",
         "https://www.whoscored.com/Teams/53/Show/Spain-Athletic-Bilbao",
         "https://www.whoscored.com/Teams/764/Show/Netherlands-ADO-Den-Haag",
         "https://www.whoscored.com/Teams/240/Show/Belgium-Anderlecht",
         "https://www.whoscored.com/Teams/5948/Show/Portugal-Arouca",
         "https://www.whoscored.com/Teams/40/Show/Germany-Arminia-Bielefeld",
         "https://www.whoscored.com/Teams/304/Show/France-Paris-Saint-Germain",
         "https://www.whoscored.com/Teams/3473/Show/Turkey-Alanyaspor",
         "https://www.whoscored.com/Teams/80/Show/Italy-AC-Milan",
        ]

baselink = "https://www.whoscored.com"

Club = []
Name = []
data = {
    "CM": [],
    "KG": [],
    "Apps": [],
```

```

    "Mins": [],
    "Goals": [],
    "Assists": [],
    "Yel": [],
    "Red": [],
    "SpG": [],
    "PS%": [],
    "AerialsWon": [],
    "MotM": [],
    "Rating": []
}

for i in links:
    driver.get(i)
    leagues = driver.find_element_by_id("teams")

    prefacelinks = []

    for el in leagues.find_elements_by_css_selector("option")[1:]:
        prefacelinks.append(el.get_attribute("value"))

    try:
        for pl in prefacelinks:
            table = driver.find_element_by_id("player-table-statistics-body")
            for tr in table.find_elements_by_css_selector("tr"):
                Club.append(driver.find_element_by_class_name("team-header-name").text)
                Name.append(tr.find_element_by_class_name("player-link").text)

                for td, key in zip(tr.find_elements_by_css_selector("td")[2:], data.keys()):
                    data[key].append(td.text)
            print(baselink + pl)
            driver.get(baselink + pl)
            time.sleep(1)
    except:
        pass

```

<https://www.whoscored.com/Teams/24/Show/England-Aston-Villa>
<https://www.whoscored.com/Teams/211/Show/England-Brighton>
<https://www.whoscored.com/Teams/184/Show/England-Burnley>
<https://www.whoscored.com/Teams/15/Show/England-Chelsea>
<https://www.whoscored.com/Teams/162/Show/England-Crystal-Palace>
<https://www.whoscored.com/Teams/31/Show/England-Everton>
<https://www.whoscored.com/Teams/170/Show/England-Fulham>

<https://www.whoscored.com/Teams/19/Show/England-Leeds>
<https://www.whoscored.com/Teams/14/Show/England-Leicester>
<https://www.whoscored.com/Teams/26/Show/England-Liverpool>
<https://www.whoscored.com/Teams/167/Show/England-Manchester-City>
<https://www.whoscored.com/Teams/32/Show/England-Manchester-United>
<https://www.whoscored.com/Teams/23/Show/England-Newcastle-United>
<https://www.whoscored.com/Teams/163/Show/England-Sheffield-United>
<https://www.whoscored.com/Teams/18/Show/England-Southampton>
<https://www.whoscored.com/Teams/30/Show/England-Tottenham>
<https://www.whoscored.com/Teams/175/Show/England-West-Bromwich-Albion>
<https://www.whoscored.com/Teams/29/Show/England-West-Ham>
<https://www.whoscored.com/Teams/161/Show/England-Wolverhampton-Wanderers>
<https://www.whoscored.com/Teams/130/Show/Netherlands-Ajax>
<https://www.whoscored.com/Teams/243/Show/Netherlands-AZ-Alkmaar>
<https://www.whoscored.com/Teams/875/Show/Netherlands-FC-Emmen>
<https://www.whoscored.com/Teams/758/Show/Netherlands-FC-Groningen>
<https://www.whoscored.com/Teams/128/Show/Netherlands-FC-Utrecht>
<https://www.whoscored.com/Teams/256/Show/Netherlands-Feyenoord>
<https://www.whoscored.com/Teams/242/Show/Netherlands-Fortuna-Sittard>
<https://www.whoscored.com/Teams/870/Show/Netherlands-Heracles>
<https://www.whoscored.com/Teams/868/Show/Netherlands-PEC-Zwolle>
<https://www.whoscored.com/Teams/129/Show/Netherlands-PSV-Eindhoven>
<https://www.whoscored.com/Teams/114/Show/Netherlands-RKC-Waalwijk>
<https://www.whoscored.com/Teams/287/Show/Netherlands-SC-Heerenveen>
<https://www.whoscored.com/Teams/303/Show/Netherlands-Sparta-Rotterdam>
<https://www.whoscored.com/Teams/113/Show/Netherlands-Twente>
<https://www.whoscored.com/Teams/255/Show/Netherlands-Vitesse>
<https://www.whoscored.com/Teams/765/Show/Netherlands-VVV-Venlo>
<https://www.whoscored.com/Teams/115/Show/Netherlands-Willem-II>
<https://www.whoscored.com/Teams/292/Show/Portugal-Belenenses-SAD>
<https://www.whoscored.com/Teams/299/Show/Portugal-Benfica>
<https://www.whoscored.com/Teams/122/Show/Portugal-Boavista>
<https://www.whoscored.com/Teams/288/Show/Portugal-Braga>
<https://www.whoscored.com/Teams/935/Show/Portugal-Famalicao>
<https://www.whoscored.com/Teams/263/Show/Portugal-Farense>
<https://www.whoscored.com/Teams/297/Show/Portugal-FC-Porto>
<https://www.whoscored.com/Teams/290/Show/Portugal-Gil-Vicente>
<https://www.whoscored.com/Teams/264/Show/Portugal-Maritimo>
<https://www.whoscored.com/Teams/108/Show/Portugal-Moreirense>
<https://www.whoscored.com/Teams/936/Show/Portugal-Nacional>
<https://www.whoscored.com/Teams/786/Show/Portugal-Pacos-de-Ferreira>
<https://www.whoscored.com/Teams/1463/Show/Portugal-Portimonense>
<https://www.whoscored.com/Teams/121/Show/Portugal-Rio-Ave>
<https://www.whoscored.com/Teams/251/Show/Portugal-Santa-Clara>
<https://www.whoscored.com/Teams/296/Show/Portugal-Sporting-CP>

https://www.whoscored.com/Teams/8071/Show/Portugal-Tondela
https://www.whoscored.com/Teams/107/Show/Portugal-Vitoria-de-Guimaraes
https://www.whoscored.com/Teams/1730/Show/Germany-Augsburg
https://www.whoscored.com/Teams/36/Show/Germany-Bayer-Leverkusen
https://www.whoscored.com/Teams/37/Show/Germany-Bayern-Munich
https://www.whoscored.com/Teams/44/Show/Germany-Borussia-Dortmund
https://www.whoscored.com/Teams/134/Show/Germany-Borussia-M-Gladbach
https://www.whoscored.com/Teams/45/Show/Germany-Eintracht-Frankfurt
https://www.whoscored.com/Teams/282/Show/Germany-FC-Koln
https://www.whoscored.com/Teams/50/Show/Germany-Freiburg
https://www.whoscored.com/Teams/47/Show/Germany-Hertha-Berlin
https://www.whoscored.com/Teams/1211/Show/Germany-Hoffenheim
https://www.whoscored.com/Teams/219/Show/Germany-Mainz-05
https://www.whoscored.com/Teams/7614/Show/Germany-RB-Leipzig
https://www.whoscored.com/Teams/39/Show/Germany-Schalke-04
https://www.whoscored.com/Teams/796/Show/Germany-Union-Berlin
https://www.whoscored.com/Teams/41/Show/Germany-VfB-Stuttgart
https://www.whoscored.com/Teams/42/Show/Germany-Werder-Bremen
https://www.whoscored.com/Teams/33/Show/Germany-Wolfsburg
https://www.whoscored.com/Teams/315/Show/France-Bordeaux
https://www.whoscored.com/Teams/2332/Show/France-Brest
https://www.whoscored.com/Teams/1364/Show/France-Dijon
https://www.whoscored.com/Teams/309/Show/France-Lens
https://www.whoscored.com/Teams/607/Show/France-Lille
https://www.whoscored.com/Teams/146/Show/France-Lorient
https://www.whoscored.com/Teams/228/Show/France-Lyon
https://www.whoscored.com/Teams/249/Show/France-Marseille
https://www.whoscored.com/Teams/314/Show/France-Metz
https://www.whoscored.com/Teams/248/Show/France-Monaco
https://www.whoscored.com/Teams/311/Show/France-Montpellier
https://www.whoscored.com/Teams/302/Show/France-Nantes
https://www.whoscored.com/Teams/613/Show/France-Nice
https://www.whoscored.com/Teams/245/Show/France-Nimes
https://www.whoscored.com/Teams/304/Show/France-Paris-Saint-Germain

NoSuchElementException Traceback (most recent call last)

<ipython-input-46-8a716c428d91> in <module>

```
34 for i in links:  
35     driver.get(i)  
---> 36     leagues = driver.find_element_by_id("teams")  
37  
38     prefacelinks = []
```

```
~\anaconda3\lib\site-packages\selenium\webdriver\remote\webdriver.py in find_element_by_id(self, id_)  
358     element = driver.find_element_by_id('foo')
```

```

359         """
--> 360         return self.find_element(by=By.ID, value=id_)
361
362     def find_elements_by_id(self, id_):
~\anaconda3\lib\site-packages\selenium\webdriver\remote\webdriver.py in find_element(self, by, value)
974         by = By.CSS_SELECTOR
975         value = '[name="%s"]' % value
--> 976         return self.execute(Command.FIND_ELEMENT, {
977             'using': by,
978             'value': value})['value']

~\anaconda3\lib\site-packages\selenium\webdriver\remote\webdriver.py in execute(self, driver_command, params)
319         response = self.command_executor.execute(driver_command, params)
320         if response:
--> 321             self.error_handler.check_response(response)
322             response['value'] = self._unwrap_value(
323                 response.get('value', None))

~\anaconda3\lib\site-packages\selenium\webdriver\remote\errorhandler.py in check_response(self, response)
240         alert_text = value['alert'].get('text')
241         raise exception_class(message, screen, stacktrace, alert_text)
--> 242         raise exception_class(message, screen, stacktrace)
243
244     def _value_or_default(self, obj, key, default):

NoSuchElementException: Message: no such element: Unable to locate element: {"method":"css selector","selector":"[id
="teams"]}"}
(Session info: chrome=91.0.4472.106)

```

```

In [47]: data["Club"] = Club
        data["Player"] = Name

```

```

In [51]: for i in data:
        if len(data[i]) == 2470:
            data[i].append("")
            print("appended")

```

```

appended
appended
appended
appended
appended

```

```
In [52]: player_data = pd.DataFrame.from_dict(data)
```

```
In [53]: df = pd.DataFrame(player_data.Player.str.split('\n').tolist(), columns = ['Number', 'Name'])
player_data["Name"] = df.Name
player_data["Number"] = df.Number
```

```
In [54]: player_data.drop('Player', axis='columns', inplace=True)
```

```
In [55]: player_data.head(100)
```

```
Out[55]:
```

	CM	KG	Apps	Mins	Goals	Assists	Yel	Red	SpG	PS%	AerialsWon	MotM	Rating	Club	Name	Number
0	184	82	3	270	-	-	-	-	-	89.4	0.3	-	7.10	Arsenal	Mat Ryan	1
1	175	73	22(9)	1931	13	2	3	-	1.5	78.8	0.9	3	6.89	Arsenal	Alexandre Lacazette	2
2	178	65	30(2)	2562	5	3	1	-	1.9	81.8	0.4	2	6.88	Arsenal	Bukayo Saka	3
3	179	70	17(8)	1616	-	3	4	-	0.5	87.2	0.3	2	6.85	Arsenal	Dani Ceballos	4
4	182	66	8(2)	752	-	2	-	-	0.8	83.9	2	-	6.79	Arsenal	Calum Chambers	5
...
95	180	74	3(1)	273	-	-	2	-	0.8	64.2	1.8	-	6.39	Burnley	Phil Bardsley	16
96	180	71	15(13)	1368	3	2	-	-	1.3	71.2	1.3	-	6.36	Burnley	Matej Vydra	17
97	188	83	7(1)	636	-	-	2	-	0.3	71.3	2.3	-	6.32	Burnley	Kevin Long	18
98	169	71	3(4)	259	-	-	1	-	0.6	82.4	0.7	-	6.28	Burnley	Dale Stephens	19
99	185	84	12(19)	1256	1	2	3	-	1	73.4	1.4	-	6.27	Burnley	Jay Rodriguez	20

100 rows × 16 columns

```
In [37]: player_data.to_csv('player_data.csv', index=False)
```

```
In [ ]:
```

```
In [68]: driver = webdriver.Chrome(chrome_path)
```

```
links = ["https://www.whoscored.com/Teams/13/Show/England-Arsenal",
         "https://www.whoscored.com/Teams/53/Show/Spain-Athletic-Bilbao",
         "https://www.whoscored.com/Teams/764/Show/Netherlands-ADO-Den-Haag",
         "https://www.whoscored.com/Teams/240/Show/Belgium-Anderlecht",
         "https://www.whoscored.com/Teams/5948/Show/Portugal-Arouca",
         "https://www.whoscored.com/Teams/40/Show/Germany-Arminia-Bielefeld",
         "https://www.whoscored.com/Teams/304/Show/France-Paris-Saint-Germain",
         "https://www.whoscored.com/Teams/3473/Show/Turkey-Alanyaspor",
         "https://www.whoscored.com/Teams/80/Show/Italy-AC-Milan",
        ]

baselink = "https://www.whoscored.com"

data_defensive = {
    "CM": [],
    "KG": [],
    "Apps": [],
    "Mins": [],
    "Tackles": [],
    "Inter": [],
    "Fouls": [],
    "Offsides": [],
    "Clear": [],
    "Drb": [],
    "Blocks": [],
    "OwnG": []
}

data_offensive = {
    "CM": [],
    "KG": [],
    "Apps": [],
    "Mins": [],
    "Goals": [],
    "Assists": [],
    "SpG": [],
    "KeyP": [],
    "Drb": [],
    "Fouled": [],
    "Off": [],
    "Disp": [],
    "UnsTch": []
}
```

```

}

data_passing = {
    "CM": [],
    "KG": [],
    "Apps": [],
    "Mins": [],
    "Assists": [],
    "KeyPassPGame": [],
    "AvgPasses": [],
    "Pass_Successes": [],
    "Crosses": [],
    "LongB": [],
    "ThrB": []
}

data_detailed = {
    "CM": [],
    "KG": [],
    "Apps": [],
    "Minutes_Played": [],
    "Shots_Total": [],
    "OutOfBox": [],
    "SixYardBox": [],
    "PenaltyArea": []
}

buttons = ['/*[@id="team-squad-stats-options"]/li[2]/a',
           '/*[@id="team-squad-stats-options"]/li[3]/a',
           '/*[@id="team-squad-stats-options"]/li[4]/a',
           '/*[@id="team-squad-stats-options"]/li[5]/a']

dictionaries = [data_defensive,
                 data_offensive,
                 data_passing,
                 data_detailed]

ClubNames = [[], [],
              [], [],
              [], [],
              [], []]

```



```

for i in links:
    driver.get(i)

    driver.maximize_window()

    leagues = driver.find_element_by_id("teams")

    teams = []

    for el in leagues.find_elements_by_css_selector("option")[1:]:
        teams.append(el.get_attribute("value"))

    for team in teams:
        try:

            for button, d, clubname in zip(buttons, dictionaries, ClubNames):
                but = WebDriverWait(driver, 3).until(
                    EC.element_to_be_clickable((By.XPATH, button))
                )
                but.click()
                builder = ActionChains(driver)
                builder.move_to_element(but).click(but).perform()

            while True:
                try:
                    table = driver.find_elements_by_id("player-table-statistics-body")[int(dictionaries.index(d))]
                    break
                except:
                    time.sleep(1)

            for tr in table.find_elements_by_css_selector("tr"):

                for td, key in zip(tr.find_elements_by_css_selector("td")[2:], d.keys()):
                    d[key].append(td.text)
                try:
                    clubname[0].append(driver.find_element_by_class_name("team-header-name").text)
                    clubname[1].append(tr.find_element_by_class_name("player-link").text)
                except:
                    clubname[0].append("")
                    clubname[1].append("")

            driver.get(baselink + team)

```

```
print(baselink+team)
except:
pass
```

```
https://www.whoscored.com/Teams/211/Show/England-Brighton
https://www.whoscored.com/Teams/184/Show/England-Burnley
https://www.whoscored.com/Teams/15/Show/England-Chelsea
https://www.whoscored.com/Teams/162/Show/England-Crystal-Palace
https://www.whoscored.com/Teams/31/Show/England-Everton
https://www.whoscored.com/Teams/170/Show/England-Fulham
https://www.whoscored.com/Teams/19/Show/England-Leeds
https://www.whoscored.com/Teams/14/Show/England-Leicester
https://www.whoscored.com/Teams/26/Show/England-Liverpool
https://www.whoscored.com/Teams/167/Show/England-Manchester-City
https://www.whoscored.com/Teams/32/Show/England-Manchester-United
https://www.whoscored.com/Teams/23/Show/England-Newcastle-United
https://www.whoscored.com/Teams/163/Show/England-Sheffield-United
https://www.whoscored.com/Teams/18/Show/England-Southampton
https://www.whoscored.com/Teams/30/Show/England-Tottenham
https://www.whoscored.com/Teams/175/Show/England-West-Bromwich-Albion
https://www.whoscored.com/Teams/29/Show/England-West-Ham
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https://www.whoscored.com/Teams/63/Show/Spain-Atletico-Madrid
https://www.whoscored.com/Teams/65/Show/Spain-Barcelona
https://www.whoscored.com/Teams/1354/Show/Spain-Cadiz
https://www.whoscored.com/Teams/62/Show/Spain-Celta-Vigo
https://www.whoscored.com/Teams/60/Show/Spain-Deportivo-Alaves
https://www.whoscored.com/Teams/824/Show/Spain-Eibar
https://www.whoscored.com/Teams/833/Show/Spain-Elche
https://www.whoscored.com/Teams/819/Show/Spain-Getafe
https://www.whoscored.com/Teams/925/Show/Spain-Granada
https://www.whoscored.com/Teams/832/Show/Spain-Levante
https://www.whoscored.com/Teams/131/Show/Spain-Osasuna
https://www.whoscored.com/Teams/54/Show/Spain-Real-Betis
https://www.whoscored.com/Teams/52/Show/Spain-Real-Madrid
https://www.whoscored.com/Teams/68/Show/Spain-Real-Sociedad
https://www.whoscored.com/Teams/58/Show/Spain-Real-Valladolid
https://www.whoscored.com/Teams/5006/Show/Spain-SD-Huesca
https://www.whoscored.com/Teams/67/Show/Spain-Sevilla
https://www.whoscored.com/Teams/55/Show/Spain-Valencia
https://www.whoscored.com/Teams/839/Show/Spain-Villarreal
https://www.whoscored.com/Teams/130/Show/Netherlands-Ajax
https://www.whoscored.com/Teams/243/Show/Netherlands-AZ-Alkmaar
https://www.whoscored.com/Teams/875/Show/Netherlands-FC-Emmen
https://www.whoscored.com/Teams/758/Show/Netherlands-FC-Groningen
```

<https://www.whoscored.com/Teams/128/Show/Netherlands-FC-Utrecht>
<https://www.whoscored.com/Teams/256/Show/Netherlands-Feyenoord>
<https://www.whoscored.com/Teams/242/Show/Netherlands-Fortuna-Sittard>
<https://www.whoscored.com/Teams/870/Show/Netherlands-Heracles>
<https://www.whoscored.com/Teams/868/Show/Netherlands-PEC-Zwolle>
<https://www.whoscored.com/Teams/129/Show/Netherlands-PSV-Eindhoven>
<https://www.whoscored.com/Teams/114/Show/Netherlands-RKC-Waalwijk>
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<https://www.whoscored.com/Teams/303/Show/Netherlands-Sparta-Rotterdam>
<https://www.whoscored.com/Teams/113/Show/Netherlands-Twente>
<https://www.whoscored.com/Teams/255/Show/Netherlands-Vitesse>
<https://www.whoscored.com/Teams/765/Show/Netherlands-VVV-Venlo>
<https://www.whoscored.com/Teams/115/Show/Netherlands-Willem-II>
<https://www.whoscored.com/Teams/23686/Show/Belgium-Beerschot>
<https://www.whoscored.com/Teams/885/Show/Belgium-Cercle-Bruges>
<https://www.whoscored.com/Teams/124/Show/Belgium-Club-Bruges>
<https://www.whoscored.com/Teams/2166/Show/Belgium-Eupen>
<https://www.whoscored.com/Teams/140/Show/Belgium-Genk>
<https://www.whoscored.com/Teams/231/Show/Belgium-Gent>
<https://www.whoscored.com/Teams/886/Show/Belgium-Kortrijk>
<https://www.whoscored.com/Teams/237/Show/Belgium-KV-Mechelen>
<https://www.whoscored.com/Teams/1406/Show/Belgium-OH-Leuven>
<https://www.whoscored.com/Teams/2165/Show/Belgium-Oostende>
<https://www.whoscored.com/Teams/752/Show/Belgium-Royal-Antwerp>
<https://www.whoscored.com/Teams/10310/Show/Belgium-Royal-Excel-Mouscron>
<https://www.whoscored.com/Teams/260/Show/Belgium-Sporting-Charleroi>
<https://www.whoscored.com/Teams/239/Show/Belgium-St-Truiden>
<https://www.whoscored.com/Teams/261/Show/Belgium-Standard-Liege>
<https://www.whoscored.com/Teams/2646/Show/Belgium-Waasland-Beveren>
<https://www.whoscored.com/Teams/2164/Show/Belgium-Zulte-Waregem>
<https://www.whoscored.com/Teams/1730/Show/Germany-Augsburg>
<https://www.whoscored.com/Teams/36/Show/Germany-Bayer-Leverkusen>
<https://www.whoscored.com/Teams/37/Show/Germany-Bayern-Munich>
<https://www.whoscored.com/Teams/44/Show/Germany-Borussia-Dortmund>
<https://www.whoscored.com/Teams/134/Show/Germany-Borussia-M-Gladbach>
<https://www.whoscored.com/Teams/45/Show/Germany-Eintracht-Frankfurt>
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```

```

In [69]: player_data_defensive = pd.DataFrame.from_dict(data_defensive)
player_data_offensive = pd.DataFrame.from_dict(data_offensive)
player_data_passes = pd.DataFrame.from_dict(data_passing)
player_data_detailed = pd.DataFrame.from_dict(data_detailed)

```

```

In [70]: len(player_data_defensive)
len(ClubaNames[0])

```

Out[70]: 2

```

In [73]: dfs = [player_data_defensive, player_data_offensive, player_data_passes, player_data_detailed]
names = ["player_data_defensive", "player_data_offensive", "player_data_passing", "player_data_detailed"]

for i, name in zip(dfs, names):
    i.to_csv(name+'.csv', index=False)

```

```

In [72]: for i, clubname in zip(dfs, ClubaNames):
i["Name"] = clubname[1]
i["Club"] = clubname[0]

```

```

In [58]: player_data_defensive

```

```

Out[58]:

```

	CM	KG	Apps	Mins	Tackles	Inter	Fouls	Offsides	Clear	Drb	Blocks	OwnG	Name	Club
0	185	77	18(6)	1537	1.8	1	0.8	-	0.6	1.3	0.2	-	1\nThomas Partey	Arsenal

	CM	KG	Apps	Mins	Tackles	Inter	Fouls	Offsides	Clear	Drb	Blocks	OwnG	Name	Club
1	185	82	29(2)	2522	1.6	0.8	1.3	-	1.2	0.9	0.2	-	2\nGranit Xhaka	Arsenal
2	193	87	10	900	1.5	0.9	0.8	0.6	2.9	0.5	0.7	-	3\nPablo Marí	Arsenal
3	179	70	17(8)	1616	1.5	1.4	0.9	0.1	0.6	1.2	0.2	-	4\nDani Ceballos	Arsenal
4	189	75	28(2)	2558	1.4	0.8	0.8	0.5	4	0.6	0.9	1	5\nRob Holding	Arsenal
...
4102	0	0	1(2)	62	-	0.3	0.3	-	-	-	-	-	29\nMartin Palumbo	Udinese
4103	190	85	2	180	-	-	-	-	-	-	-	-	30\nNicolas	Udinese
4104	189	0	0(1)	14	-	-	1	-	-	-	-	-	31\nPetar Micin	Udinese
4105	182	79	0(1)	12	-	-	-	-	-	-	-	-	32\nRyder	Udinese
4106	193	77	1	90	-	-	-	-	3	-	-	-	33\nSimone Scuffet	Udinese

4107 rows × 14 columns

```
In [35]: player_data_defensive = pd.read_csv("C:/Users/Gebruiker/Desktop/Engineering/Voetbal-Predictor/Code/Goaly/Data/player_
```

```
In [36]: df = pd.DataFrame(player_data_defensive.Name.str.split('\r\n').tolist(), columns = ['Number', 'Name'])
player_data_defensive["Name"] = df.Name
```

```
In [37]: player_data_defensive.to_csv("player_data_passing"+'.csv', index=False)
```

```
In [ ]:
```