

pythonProject Version control

Project

- pythonProject
- venv
- main1.py
- results.csv
- vd1.py
- External Libraries
 - Python 3.12 (pythonProject)
 - Binary Skeletons
 - DLLs
 - Extended Definitions
 - Lib
 - Python312 library root
 - site-packages
 - venv library root

Structure

- service
- driver
- url
- table
- html_data
- df

```
1 from selenium import webdriver
2 from selenium.webdriver.chrome.service import Service
3 from selenium.webdriver.common.by import By
4 from webdriver_manager.chrome import ChromeDriverManager
5 import pandas as pd
6 from io import StringIO
7 # tải và khởi tạo webdriver chrome
8 service = Service(ChromeDriverManager().install())
9 driver = webdriver.Chrome(service=service)
10
11 url = "https://fbref.com/en/squads/822bd0ba/2023-2024/Liverpool-Stats"
12 driver.get(url)
13
14 # xác định vị trí của bảng table
15 table = driver.find_element(By.XPATH, value="//table[contains(@class, 'stats_table')]")
16 # trích xuất nội dung của HTML
17 html_data = table.get_attribute('innerHTML')
18 df = pd.read_html(StringIO(html_data))[0]
19
20 # lưu vào file results.csv
21 df.to_csv(path_or_buf='results.csv', index=False)
22
23
24
```

Updating Python interpreter 20:18 CRLF UTF-8 4 spaces Python 3.12 (pythonProject)

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	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH
1	Performan	Performan	Performan	Performan	Performan	Expected	Expected	Expected	Expected	Progressio	Progressio	Progressio	Progressio	Progressio	Progressio	Progressio	Progressio	Progressio	Progressio	Progressio	Progressio	Progressio	
2	G-PK	PK	PKatt	CrdY	CrdR	xG	npG	xAG	npG	xAG	npG	xAG	npG	xAG	npG	xAG	npG	xAG	npG	xAG	npG	xAG	
3	2	0	0	3	1	2.8	2.8	1.6	4.4	32	200	7	0.06	0.06	0.11	0.06	0.11	0.08	0.04	0.12	0.08	0.12	
4	8	0	0	3	0	11.9	11.9	5.7	17.5	137	113	302	0.27	0.17	0.45	0.27	0.45	0.41	0.19	0.6	0.41	0.6	
5	4	1	1	7	1	3.7	2.9	3.6	6.4	44	209	48	0.17	0.17	0.35	0.14	0.31	0.13	0.12	0.25	0.1	0.22	
6	13	5	7	2	0	21.2	15.5	11.8	27.3	98	147	341	0.64	0.36	0.99	0.46	0.82	0.75	0.42	1.17	0.55	0.97	
7	0	0	0	1	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	
8	3	0	0	6	0	2.6	2.3	7.2	9.5	45	205	97	0.13	0.17	0.29	0.13	0.29	0.11	0.3	0.41	0.1	0.4	
9	3	0	0	1	0	3.7	3.7	5.8	9.5	75	152	160	0.13	0.09	0.21	0.13	0.21	0.16	0.25	0.4	0.16	0.4	
10	11	0	1	9	0	16.3	15.5	6	21.5	58	54	206	0.48	0.35	0.84	0.48	0.84	0.72	0.27	0.98	0.68	0.95	
11	1	0	0	10	0	0.5	0.5	1.7	2.3	10	101	21	0.05	0	0.05	0.05	0.05	0.03	0.09	0.12	0.03	0.12	
12	3	0	0	2	0	1.9	1.9	5.4	7.3	63	140	130	0.16	0.11	0.27	0.16	0.27	0.1	0.29	0.39	0.1	0.39	
13	0	0	0	5	0	0.8	0.8	1.3	2.1	44	100	105	0	0.05	0.05	0	0.05	0.04	0.07	0.1	0.04	0.1	
14	8	0	0	1	0	9	9	2.9	11.8	43	83	130	0.44	0.27	0.71	0.44	0.71	0.49	0.16	0.64	0.49	0.64	
15	0	0	0	5	1	0.7	0.7	0.4	1.1	24	118	3	0	0	0	0	0	0.04	0.02	0.06	0.04	0.06	
16	1	0	0	3	1	2.6	2.6	0.7	3.3	31	74	88	0.08	0.08	0.15	0.08	0.15	0.2	0.05	0.25	0.2	0.25	
17	10	0	0	3	1	5.3	5.3	3.3	8.6	54	34	111	0.79	0.24	1.02	0.79	1.02	0.42	0.26	0.68	0.42	0.68	
18	2	0	0	1	0	1	1	0.1	1.1	13	67	1	0.15	0	0.15	0.15	0.15	0.08	0.01	0.08	0.08	0.08	
19	1	0	0	0	0	2	2	0.9	2.9	39	78	71	0.08	0	0.08	0.08	0.08	0.16	0.07	0.23	0.16	0.23	
20	3	0	0	2	0	2.7	2.7	3.5	6.2	44	128	122	0.2	0.4	0.6	0.2	0.6	0.18	0.23	0.42	0.18	0.42	
21	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
22	1	0	0	2	0	0.9	0.9	1.5	2.3	35	29	64	0.12	0.36	0.48	0.12	0.48	0.1	0.17	0.28	0.1	0.28	
23	Performan	Performan	Performan	Performan	Performan	Expected	Expected	Expected	Expected	Progressio	Progressio	Progressio	Progressio	Progressio	Progressio	Progressio	Progressio	Progressio	Progressio	Progressio	Progressio	Progressio	
24	G-PK	PK	PKatt	CrdY	CrdR	xG	npG	xAG	npG	xAG	npG	xAG	npG	xAG	npG	xAG	npG	xAG	npG	xAG	npG	xAG	
25	0	0	0	2	0	0.5	0.5	0.1	0.6	8	34	1	0	0	0	0	0	0.06	0.01	0.06	0.06	0.06	
26	0	0	0	0	0	0.1	0.1	1	1.1	24	31	73	0	0.4	0.4	0	0.4	0.01	0.14	0.15	0.01	0.15	

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	
19	Ryan Grav	nl	NED	MF		21	26	12	1121	12.5	1	0	1	1	0	0	0	2	2	0.9	2.9	39	78	71
20	Harvey Elli	eng	ENG	MF,FW		20	34	11	1352	15	3	6	9	3	0	0	2	0	2.7	2.7	3.5	6.2	44	128
21	Caoimh����	ie	IRL	GK		24	10	10	900	10	0	0	0	0	0	0	0	0	0	0	0	0	1	0
22	Conor Bra	nir	NIR	DF		20	11	10	753	8.4	1	3	4	1	0	0	2	0	0.9	0.9	1.5	2.3	35	29
23									Playing Tin	Playing Tin	Performan	Performan	Performan	Performan	Performan	Performan	Performan	Expected	Expected	Expected	Progressio	Progressio		
24	Player	Nation	Pos	Age	MP	Starts	Min	90s	Gls	Ass	G+A	G-PK	PK	PKatt	CrdY	CrdR	xG	npG	xAG	npG	xAG	npG	xAG	
25	Jo������	cm	CMR	DF	31	10	9	781	8.7	0	0	0	0	0	2	0	0.5	0.5	0.1	0.6	8	34	1	
26	Kostas Ts����	gr	GRE	DF	27	13	8	679	7.5	0	3	3	0	0	0	0	0	0.1	0.1	1	1.1	24	31	
27	Bobby Cla��	eng	ENG	MF	18	5	1	89	1	0	0	0	0	0	0	0	0	0.1	0.1	0	0.1	3	3	
28	Stefan Baj��	esp	ESP	MF	18	1	0	26	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
29	Ben Doak	sct	SCO	FW	17	1	0	14	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	Jayden Dai	eng	ENG	FW	17	2	0	9	0.1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	
31	Owen Be����	wls	WAL	DF	20	1	0	8	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
32	Thiago Alc��	esp	ESP	MF	32	1	0	6	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
33	James Mc��	eng	ENG	MF	18	3	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
34	Ka���� Gor��	eng	ENG	FW	18	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
35	Adri������	esp	ESP	GK	36	0	0																	
36	Luke Char��	eng	ENG	DF	19	0	0																	
37	Lewis Kou����	wls	WAL	MF	17	0	0																	
38	Fabian Mr����	pl	POL	GK	19	0	0																	
39	Amara Nal��	eng	ENG	DF	16	0	0																	
40	Trey Ny����	eng	ENG	MF	16	0	0																	
41	Marcelo Pi��	br	BRA	GK	20	0	0																	
42	Calum Sca��	eng	ENG	MF	18	0	0																	
43	Squad Total				26.3	38	418	3420	38	80	60	140	74	6	9	69	5	87.8	80.4	63.7	144.1	924	2110	
44	Opponent Total				26.2	38	418	3420	38	39	27	66	38	1	1	98	4	45.7	45	33.9	78.9	559	1154	

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	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH
19	1	0	0	0	0	2	2	0.9	2.9	39	78	71	0.08	0	0.08	0.08	0.08	0.16	0.07	0.23	0.16	0.23	Matches
20	3	0	0	2	0	2.7	2.7	3.5	6.2	44	128	122	0.2	0.4	0.6	0.2	0.6	0.18	0.23	0.42	0.18	0.42	Matches
21	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	Matches
22	1	0	0	2	0	0.9	0.9	1.5	2.3	35	29	64	0.12	0.36	0.48	0.12	0.48	0.1	0.17	0.28	0.1	0.28	Matches
23	Performan Performan Performan Performan Expected Expected Expected Expected Progressio Progressio Progressio Per 90 Min Per 90 Min Per 90 Min Per 90 Min Per 90 Min Per 90 Min Per 90 Min Per 90 Min Per 90 Min Per 90 Min Per 90 Min Per 90 Minutes																						
24	G-PK	PK	PKatt	CrY	CrR	xG	npG	xAG	Expected npG+xAG	PrgC	PrgP	PrgR	Gls	Ast	G+A	G-PK	G+A-PK	xG	xAG	xG+xAG	npG	npG+xAG	Matches
25	0	0	0	2	0	0.5	0.5	0.1	0.6	8	34	1	0	0	0	0	0	0.06	0.01	0.06	0.06	0.06	Matches
26	0	0	0	0	0	0.1	0.1	1	1.1	24	31	73	0	0.4	0.4	0	0.4	0.01	0.14	0.15	0.01	0.15	Matches
27	0	0	0	0	0	0.1	0.1	0	0.1	3	3	7	0	0	0	0	0	0.14	0	0.14	0.14	0.14	Matches
28	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	Matches
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Matches
30	0	0	0	1	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	Matches
31	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	Matches
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Matches
33	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	Matches
34	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	Matches
35																							Matches
36																							Matches
37																							Matches
38																							Matches
39																							Matches
40																							Matches
41																							Matches
42																							Matches
43	74	6	9	69	5	87.8	80.4	63.7	144.1	924	2110	2091	2.11	1.58	3.68	1.95	3.53	2.31	1.68	3.98	2.12	3.79	
44	38	1	1	98	4	45.7	45	33.9	78.9	559	1154	1145	1.03	0.71	1.74	1	1.71	1.2	0.89	2.1	1.18	2.08	

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