

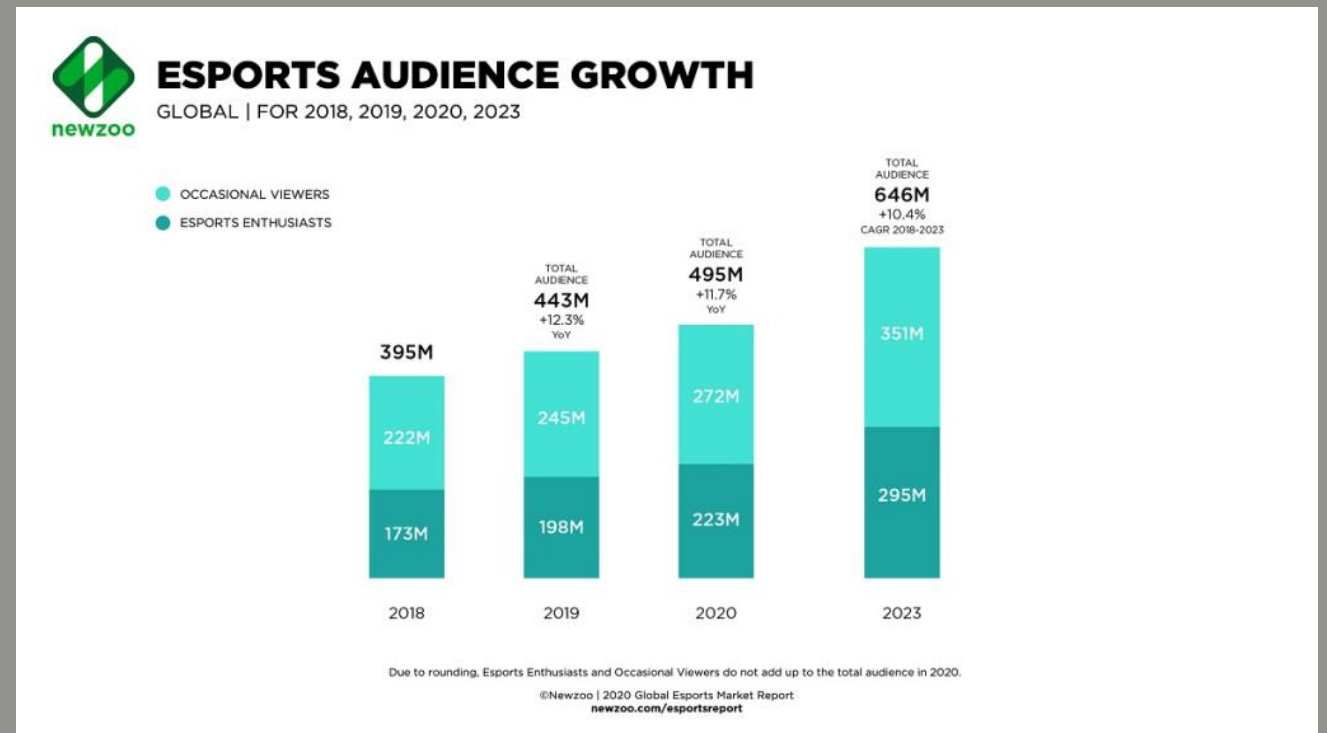
A wide-angle shot of a large esports arena, likely the Athens Olympic Stadium, filled with a massive crowd of spectators. The arena is dimly lit, with bright spotlights focused on the stage area. A large screen at the front of the arena displays a League of Legends match. The crowd is seen from behind, with many people holding up phones to capture the event. The atmosphere is electric, with blue and red lighting visible in the foreground.

ESPORTS TOURNAMENT SCRAPER

Blair Martin



































Esports is growing

- Goal initially to improve returns for twitch by investing in tournaments.
- Twitch API only updates in real-time not useable.
- Check if player involvement improved after tournaments.



Getting the data

- https://www.esportsguide.com/events/csgo

Ongoing			
		2021 Funspark ULTI : Europe Season 2 • CSGO By OMEN by HP, cs.money, Twitch.tv	10 May 2021 - 23 May 2021\$30,000
		2021 Funspark ULTI: Asia Season 2 • CSGO By OMEN by HP, cs.money, Twitch.tv	10 May 2021 - 23 May 2021\$30,000
		FLASHPOINT Season 3 • CSGO By OMEN by HP, cs.money, Twitch.tv	10 May 2021 - 30 May 2021TBD
		Spring Sweet Spring #2 • CSGO By OMEN by HP, cs.money, Twitch.tv	10 May 2021 - 02 June 2021\$100,000
		2021 ESEA Season 37 Premier Division - North America • CSGO By OMEN by HP, cs.money, Twitch.tv	06 May 2021 - 03 June 2021\$100,000
		2021 ESEA Season 37 Premier Division - Australia • CSGO By OMEN by HP, cs.money, Twitch.tv	04 May 2021 - 27 June 2021\$11,000
		2021 ESEA Season 37 Premier Division - Europe • CSGO By OMEN by HP, cs.money, Twitch.tv	04 May 2021 - 27 June 2021\$50,000
		2021 BLAST Rising • CSGO By OMEN by HP, cs.money, Twitch.tv	03 May 2021 - 23 May 2021\$30,000
		2021 EPIC CIS League Spring • CSGO By OMEN by HP, cs.money, Twitch.tv	02 May 2021 - 30 May 2021\$40,000
		CBCS Elite League Season 1 • CSGO By OMEN by HP, cs.money, Twitch.tv	22 April 2021 - 16 May 2021\$17,804
		2021 SAZKA eLEAGUE Spring • CSGO By OMEN by HP, cs.money, Twitch.tv	18 April 2021 - 20 June 2021\$9,100
		LOOT.BET League Season 9 • CSGO By OMEN by HP, cs.money, Twitch.tv	17 April 2021 - 16 May 2021\$50,000
		REPUBLIQUE Tipos Season 1 • CSGO By OMEN by HP, cs.money, Twitch.tv	14 April 2021 - 13 June 2021\$71,000
		2021 Kayz League Spring • CSGO By OMEN by HP, cs.money, Twitch.tv	07 April 2021 - 29 May 2021\$4,760.32
		2021 Master League Portugal Season 7 • CSGO By OMEN by HP, cs.money, Twitch.tv	01 April 2021\$17,737
		2021 ESL Turkey Championship Winter • CSGO By OMEN by HP, cs.money, Twitch.tv	22 March 2021 - 16 May 2021\$3,800
		COOL League Season 9 • CSGO	

Fortnite Console Champions Cup Preview - Out of the Blue

Only yesterday, Epic Games came out of nowhere with an immediate event announcement. Accordingly, the Console Champions Cup has [..]

FORTNITE • 7 MAY 21 • G. SOIBERRAS

GGBET BEST ESPORT BETS

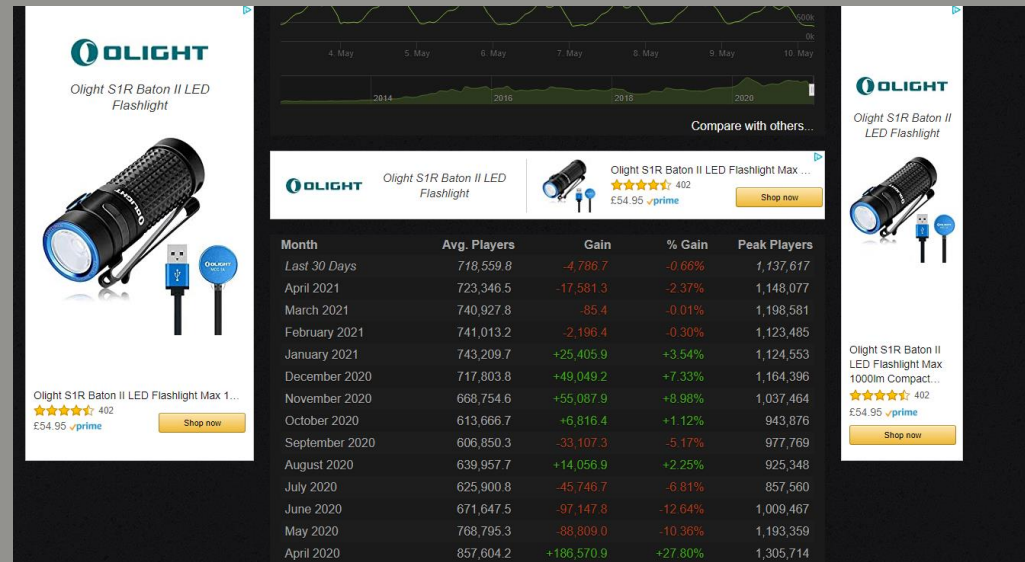
BET NOW

Top Betting Sites

Unkn

GGBet

www.steamcharts.com



https://activeplayer.io

players playing simultaneously at the same time. League of Legends We have gathered all the data and entered it on a chart for the users better understanding.

League of Legends Live Monthly Player Detailed [TABLE]

Month	Average Monthly Players	Monthly Gain / Loss	Monthly Gain / Loss %	Peak Players in a Day
Last 30 Days	115,554,722	-2,946,744	-2%	11,800,147
April 30, 2021	115,591,466	-1,900,813	-1%	11,550,601
March 30, 2021	120,302,279	2,779,912	2%	12,032,279
February 28, 2021	117,522,367	1,874,552	2%	11,955,470
January 30, 2021	115,647,815	-5,558,822	-5%	10,254,476
December 30, 2020	121,206,837	4,290,500	4%	8,680,442
November 30, 2020	116,916,136	23,430,462	25%	7,794,405
October 30, 2020	93,485,674	-4,920,299	-5%	5,920,759
September 30, 2020	98,405,973	-7,360,004	-7%	6,232,378
August 30, 2020	105,769,976	-3,271,113	-3%	6,688,512
July 30, 2020	109,637,080	-3,372,281	-3%	7,269,139
June 30, 2020	112,409,370	-3,476,578	-3%	4,871,873
May 30, 2020	115,885,949	-13,437,302	-10%	4,635,438
April 30, 2020	129,323,250	9,677,250	8%	5,604,008
March 30, 2020	119,648,000	10,396,000	10%	5,184,660
February 28, 2020	109,250,000	3,266,000	3%	5,462,500
January 30, 2020	105,984,000	6,345,000	6%	4,592,640
December 30, 2020	99,636,000	8,925,288	10%	3,985,440
November 30, 2019	90,710,712	8,154,210	10%	3,930,790
October 30, 2019	82,556,502	1,570,368	2%	3,577,448
September 30, 2019	80,968,134	4,049,307	5%	4,049,307
August 30, 2019	76,936,827	-7,321,146	-9%	3,077,473
July 30, 2019	84,257,973	9,706,188	13%	3,651,179
June 30, 2019	74,551,785	-10,327,384	-12%	2,330,577
May 30, 2019	84,879,169	-5,100,912	-6%	4,243,958
April 30, 2019	88,980,081	-23,351,973	-21%	4,499,004
March 30, 2019	113,332,054	4,681,107	4%	5,666,603
February 28, 2019	108,650,948	-1,127,900	-1%	5,432,547
January 30, 2019	109,776,848	-7,727,152	-7%	3,659,295

Here's a detailed table of League of Legends estimated monthly users. On the table it is presented the max users of the game, gain / loss users, percentage of its gain and loss, and the max peak players on a

```
1 tournament_data_scraper = Scraper('https://www.esportsguide.com/events/csgo')
```

```
2 next_page_links = ("xpath", '//*[@id="filter_games"]/li/a', "get_attribute", "('href')")
```

```
3 tournament_links = ("class_name", 'single-event-card_tourn-link', "get_attribute", "('href')")
```

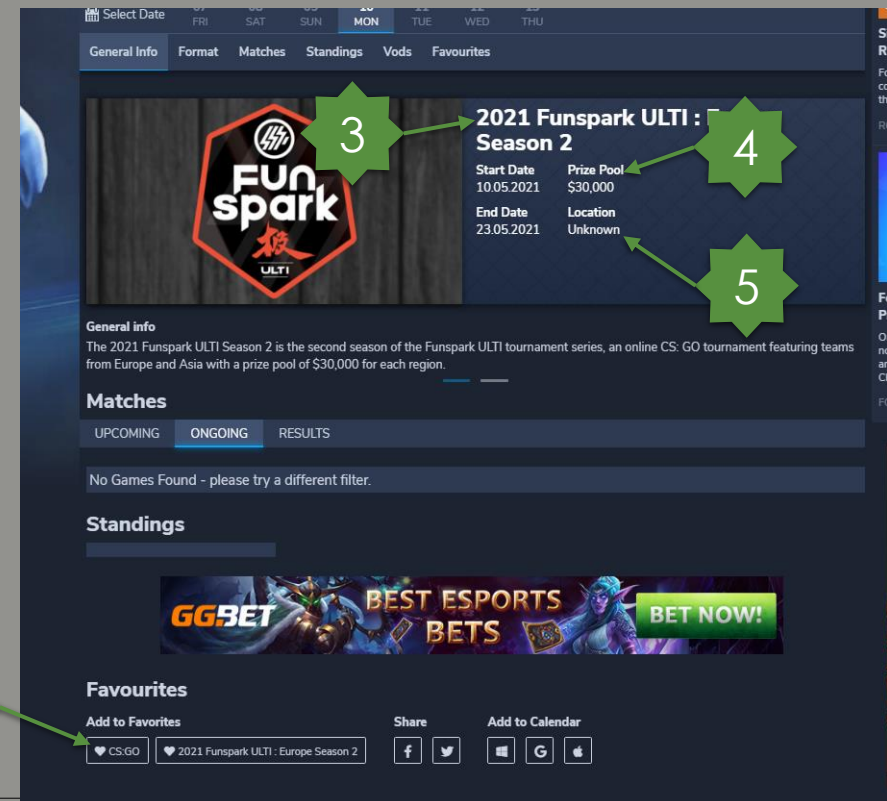
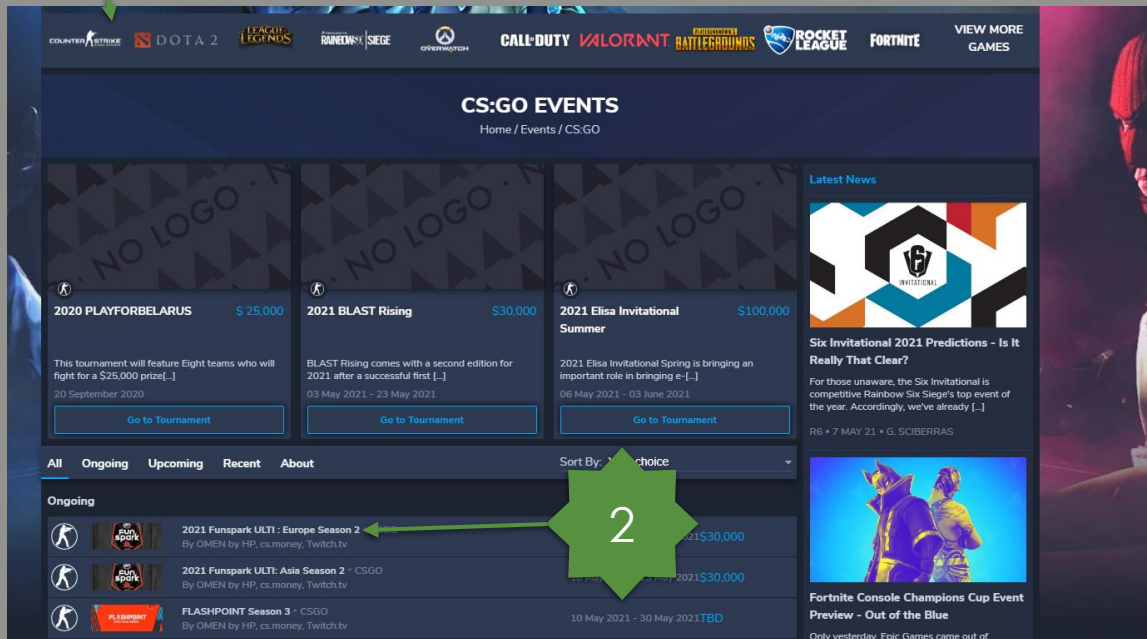
```
4 tournament_names = ('xpath', '//h1[@class="tournament-block_title"]', "text", None)
```

```
5 tournament_field_titles = ("xpath", '//p[@class="tournament-block_details-title"]', "text", None)
```

```
6 tournament_field_values = ("xpath", '//span[@class="tournament-block_details-info"]', "text", None)
```

```
game_name = ("xpath", '//li[1]/span[@class="title"]', "text", None)
```

```
tournament_data_scraper.scrape(next_page_links, 'tournaments', tournament_links, True, 1, game_name, tournament_names, tournament_field_titles, False, tournament_field_val
```



Cleaning the data

- Data was initially outputted to .json.
- Data then cleaned with pandas. Tables merge and pivoted.
- Pandas frames outputted to Amazon RDS MySQL.

Further Steps:

- Create a GUI to enable a user friendly scraping experience.
- Use AI/Machine learning techniques to build an automated scraper.
- Create automated twitch scraper using twitch API to collect realtime data.

Data to Analyse

Tournament_Data

- Data added to two SQL tables
Player_Data 428 entries and
Tournament_Data 1947 entries.

Sum prize pools based on month
and compare with the change in
players numbers during this time.

- Player_Data

index	Game	Tournament Name	Location	Start Date	End Date	Prize Pool
0	CS:GO	2021 Elisa Invitational Summer	Unknown	06.05.2021	03.06.2021	\$100,000
1	CS:GO	2021 ESEA Season 37 Premier Division - North A...	Unknown	04.05.2021	27.06.2021	\$50,000
2	CS:GO	2021 ESEA Season 37 Premier Division - Australia	Australia	04.05.2021	27.06.2021	\$11,000
3	CS:GO	2021 ESEA Season 37 Premier Division - Europe	Unknown	04.05.2021	27.06.2021	\$50,000
4	CS:GO	2021 BLAST Rising	Unknown	03.05.2021	23.05.2021	\$30,000
5	CS:GO	2021 BIOGAMING Spring Open	Unknown	03.05.2021	09.05.2021	\$1,200
6	CS:GO	2021 EPIC CIS League Spring	Unknown	02.05.2021	30.05.2021	\$40,000
7	CS:GO	2021 Dreamhack Masters Spring	Unknown	29.04.2021	09.05.2021	\$250,000
8	CS:GO	CBCS Elite League Season 1	Brazil	22.04.2021	16.05.2021	\$17,804
9	CS:GO	2021 SAKKA eLEAGUE Spring	Czech Republic	18.04.2021	20.06.2021	\$9,100
10	CS:GO	LOOTBET League Season 9	Unknown	17.04.2021	16.05.2021	\$50,000
11	CS:GO	REPUBLEAGUE Tipos Season 1	Unknown	14.04.2021	13.06.2021	\$71,000
12	CS:GO	2021 Kayzr League Spring	Unknown	07.04.2021	29.05.2021	\$4,760.32
13	CS:GO	2021 Master League Portugal Season 7	Portugal	01.04.2021	Not ended	\$17,737
14	CS:GO	2021 ESL Turkey Championship Winter	Turkey	22.03.2021	16.05.2021	\$3,800
15	CS:GO	COOL League Season 9	Czech Republic	20.03.2021	29.05.2021	\$11,229
16	CS:GO	Snow Sweet Snow #3	Unknown	15.03.2021	Not ended	\$100,000
17	CS:GO	2021 ESL Mistrzostwa Polski Spring	Poland	09.03.2021	16.05.2021	\$12,976
18	CS:GO	99Liga Season 17 Division 1	Germany	08.03.2021	12.06.2021	\$31,316
19	CS:GO	2021 LPL Pro League Season 7	Unknown	02.03.2021	11.05.2021	\$10,000
20	CS:GO	2021 ESL Meisterschaft Spring	Germany	01.03.2021	Not ended	\$48,716
21	CS:GO	2021 Svenska Elitserien Spring Season	Sweden	23.02.2021	23.05.2021	TBD
22	CS:GO	ESL ANZ Champs Season 12	Australia	13.02.2021	15.05.2021	\$15,518
23	CS:GO	FireNation Playoffs Season 1	Unknown	27.01.2021	Not ended	\$10,000
24	CS:GO	2020 PLAYFORBELARUS	Unknown	20.09.2020	Not ended	\$ 25,000

index	Game	Month	Avg. Players	Gain	% Gain	Peak Players
0	Fornite	April 30, 2021	275,011,465	6,996,998	3%	33,014,465
1	Fornite	March 30, 2021	268,014,467	4,793,038	2%	30,144,709
2	Fornite	February 20, 2021	263,221,429	3,462,589	1%	28,544,163
3	Fornite	January 30, 2021	259,758,840	-4,556,986	-2%	25,115,476
4	Fornite	December 30, 2020	264,315,826	-6,739,715	-2%	22,715,791
5	Fornite	November 30, 2020	271,055,541	6,171,377	2%	25,491,419
6	Fornite	October 30, 2020	264,884,164	-2,647,738	-1%	23,244,208
7	Fornite	September 30, 2020	267,531,902	-25,334,353	-9%	10,701,276
8	Fornite	August 30, 2020	292,866,255	11,290,630	4%	15,619,534
9	Fornite	July 30, 2020	281,575,625	16,346,759	6%	11,263,025
10	Fornite	June 30, 2020	265,228,866	-16,459,434	-6%	11,493,251
11	Fornite	May 30, 2020	281,688,300	24,475,800	10%	11,267,532
12	Fornite	May 30, 2020	257,212,500	-13,537,500	-5%	11,145,875
13	Fornite	April 30, 2020	270,750,000	-14,250,000	-5%	11,732,500
14	Fornite	March 30, 2020	285,000,000	8,520,000	3%	14,250,000
15	Fornite	February 20, 2020	276,480,000	16,560,000	6%	11,980,800
16	Fornite	January 30, 2020	259,920,000	38,304,000	17%	10,396,800
17	Fornite	December 30, 2019	221,616,000	13,198,464	6%	9,603,360
18	Fornite	November 30, 2019	208,417,536	44,741,808	27%	9,031,427
19	Fornite	October 30, 2019	163,675,728	-10,109,383	-6%	8,183,786
20	Fornite	September 30, 2019	173,785,111	8,689,256	5%	6,951,404
21	Fornite	August 30, 2019	165,095,856	18,004,138	12%	7,154,154
22	Fornite	July 30, 2019	147,091,718	-46,365,868	-24%	6,373,974
23	Fornite	June 30, 2019	193,457,586	-19,345,759	-9%	9,672,879