



# League of Legends Champion Data

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# Data

## How do I get the Data?

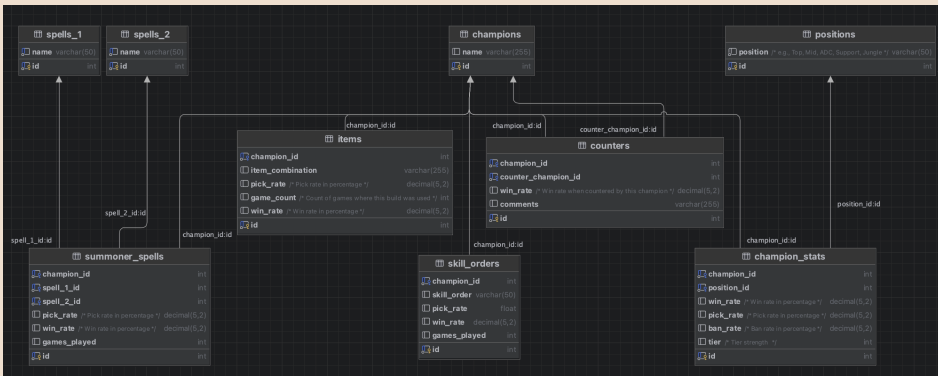
- The data was web-scraped from the OPGG website, focusing on information that I found interesting.
- Most datasets only focus on the basic stats of champions, but I am more interested in data that is truly useful for players.

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## What Does This Dataset Offer?

- You can use this database to find the most recommended summoner spells and skill order for each champion.
- It also provides the top three recommended item builds and identifies the top five weak counters and top five strong counters for each champion, helping players make informed strategic decisions.
- It can also provide game developers with insights to help balance the game.

# ERD



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## summoner\_spells & skill\_orders

**Question:** How should you choose your summoner spells and skill order when playing Jax?

```
mysql> SELECT c.name, s1.name AS summoner_spell_1, s2.name AS summoner_spell_2, s.skill_order FROM champions c
      -> JOIN skill_orders s ON c.id = s.champion_id JOIN summoner_spells ss ON c.id = ss.champion_id join
      -> spells_1 s1 on s1.id = ss.spell_1_id join spells_2 s2 on s2.id = ss.spell_2_id WHERE c.name = 'jax';
```

name	summoner_spell_1	summoner_spell_2	skill_order
Jax	Flash	Teleport	W > E > Q

1 row in set (0.04 sec)

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# items

**Question:** How should you choose your items when playing Jax?

```
mysql> SELECT i.item_combination, i.pick_rate, i.game_count, i.win_rate FROM champions c JOIN items i ON c.id = i.champion_id WHERE c.name = 'jax';
```

item_combination	pick_rate	game_count	win_rate
Trinity Force -> Sundered Sky -> Zhonya's Hourglass	24.57	4277	61.80
Trinity Force -> Sundered Sky -> Sterak's Gage	13.29	2314	60.03
Trinity Force -> Sundered Sky -> Frozen Heart	6.74	1174	60.90

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## counters

**Question:** Your opponent locked in Jax. Which champions should you pick to counter him, and which ones should you avoid?

```
mysql> SELECT cs.counter_champion_id, cs.win_rate, cs.comments FROM  
-> champions c JOIN counters cs ON c.id = cs.champion_id WHERE c.name = 'jax';
```

counter_champion_id	win_rate	comments
125	67.73	Jax strongcounter Smolder
145	59.43	Jax strongcounter Vayne
87	55.52	Jax strongcounter Nasus
158	54.42	Jax strongcounter Yone
129	53.98	Jax strongcounter Sylas
23	43.75	Jax weakcounter Cho'Gath
99	43.71	Jax weakcounter Poppy
112	43.31	Jax weakcounter Ryze
102	41.38	Jax weakcounter Quinn
22	39.83	Jax weakcounter Cassiopeia

## Interested Question

**Question:** Your opponent has locked in Jayce as a top laner. Which champions have the highest win rate against him, and what are the best items, skill order, and summoner spells for the chosen champion?

```
SELECT c.name, i.item_combination, so.skill_order, s1.name, s2.name
FROM champions c
JOIN counters cs ON c.id = cs.champion_id
JOIN items i ON cs.champion_id = i.champion_id
JOIN skill_orders so ON so.id = cs.champion_id
JOIN summoner_spells ss ON cs.champion_id = ss.champion_id
JOIN champion_stats css ON c.id = css.champion_id
JOIN spells_1 s1 ON s1.id = ss.spell_1_id
JOIN spells_2 s2 ON s2.id = ss.spell_2_id
JOIN positions p ON p.id = css.position_id WHERE cs.comments
LIKE '%strongcounter jayce%'
AND p.position = 'top'
ORDER BY cs.win_rate DESC LIMIT 1;
```

name	item_combination	skill_order	summoner_spell_1	summoner_spell_2
Cho'Gath	Heartsteel -> Sunfire Aegis -> Thornmail	E > Q > W	Flash	Teleport

# Two Key Insights

## For game developers

- This database can be used to identify which champions are too weak or too strong, or which items are underpowered or overpowered, providing a basis for balance adjustments.

## For players

- This database can be used during the ban-pick phase to identify suitable counter champions and, before entering the game, to determine the optimal items, skill order, and summoner spells to use.

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