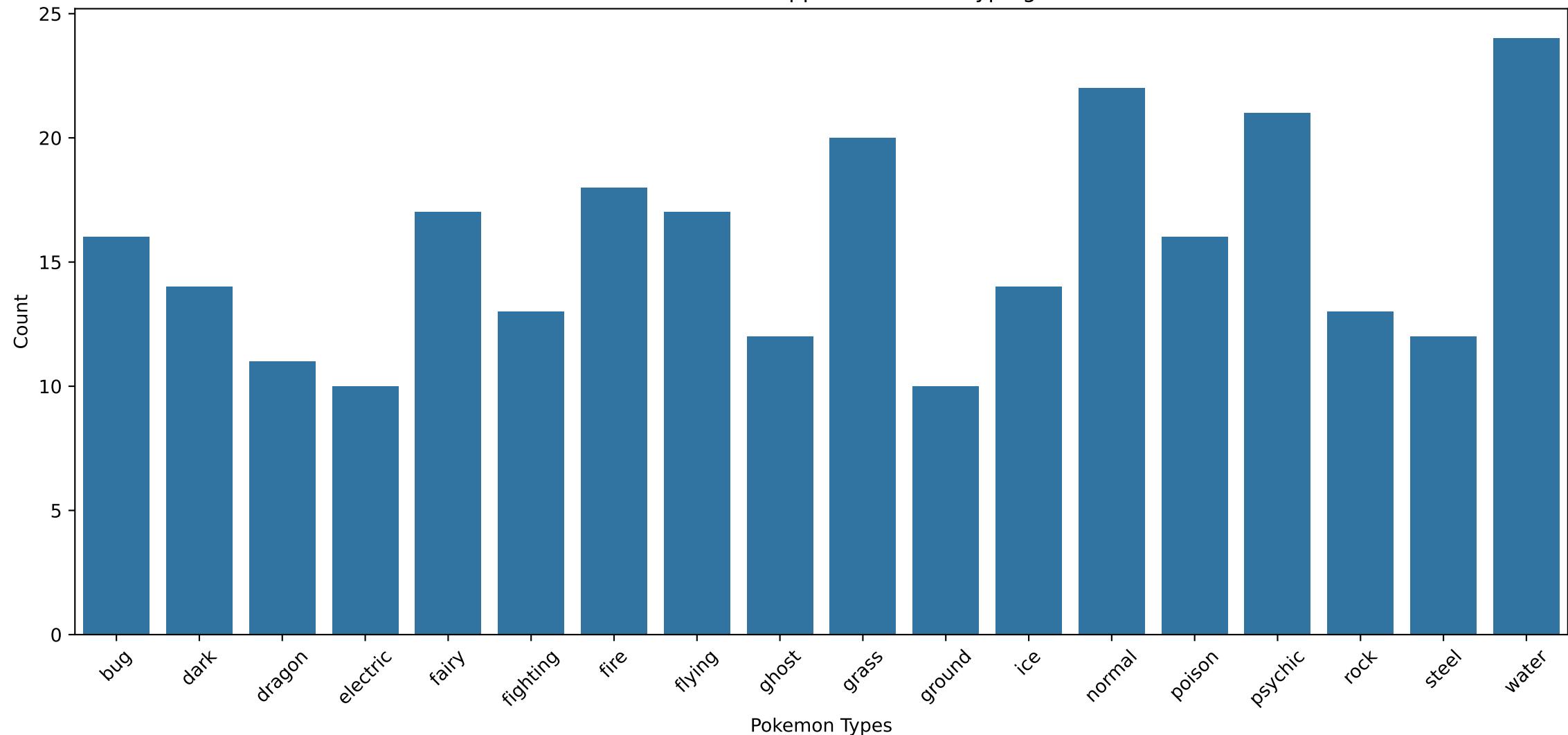


SA with different hyperparameters

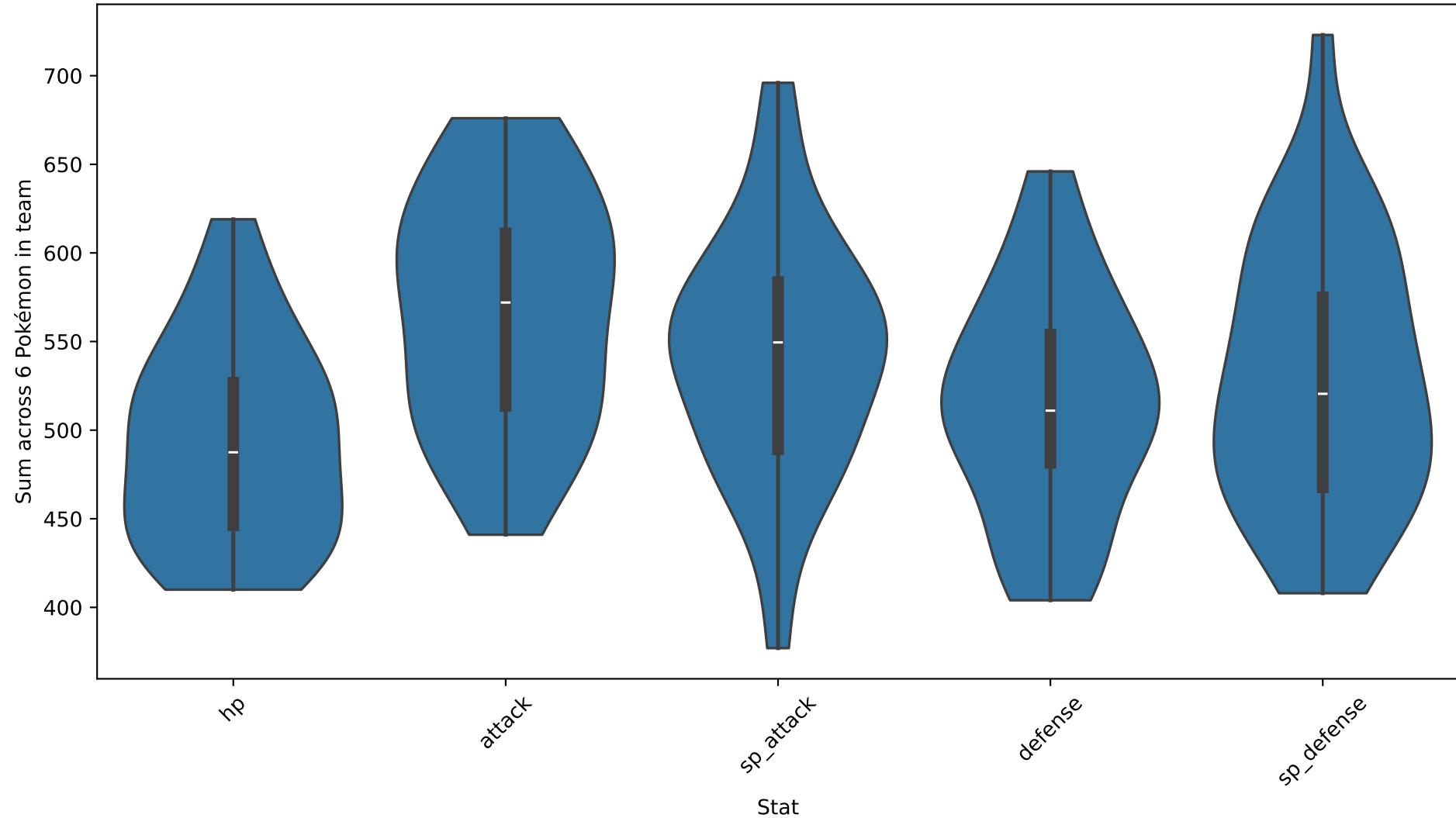
## Setup

- opponents\_limit = 30
- runs = 8
- budget = 100
- SA: initial\_temperature = 0.3, cooling = 0.8
- restarts = 0
- patience = 50
- legendaries = True
- neighbor\_replacements = 3
- iters\_per\_temp = 4

### Distribution of Opponent Teams Typing



Opponents: distribution of team stat sums



## SA experiment

| run | solver | fitness | stats_sum | pokemons  |
|-----|--------|---------|-----------|---|
| 0   | SA     | 0.4647  | 2243      | Buzzwole Kyogre Blissey Eelektross Guzzlord Weezing |
| 1   | SA     | 0.3968  | 2257      | Guzzlord Klefki Mesprit Tangrowth Groudon Blissey   |
| 2   | SA     | 0.3812  | 2039      | Cradily Electrode Weavile Groudon Blissey Drifblim  |
| 3   | SA     | 0.3105  | 2364      | Bellossom Heracross Rhyperior Lugia Beartic Snorlax |
| 4   | SA     | 0.2776  | 2049      | Accelgor Necrozma Shiftry Mienshao Ampharos Blissey |
| 5   | SA     | 0.2877  | 2564      | Rhyperior Salamence Kyogre Avalugg Delphox Luxray   |
| 6   | SA     | 0.4234  | 2484      | Gigalith Exeggutor Groudon Cofagrigus Blissey Ho-Oh |
| 7   | SA     | 0.3251  | 2082      | Crustle Glalie Suicune Yveltal Hariyama Wobbuffet   |

## SA: summary stats

| solver | mean   | median | std    | min    | max    | count |
|--------|--------|--------|--------|--------|--------|-------|
| SA     | 0.3584 | 0.3531 | 0.0681 | 0.2776 | 0.4647 | 8     |