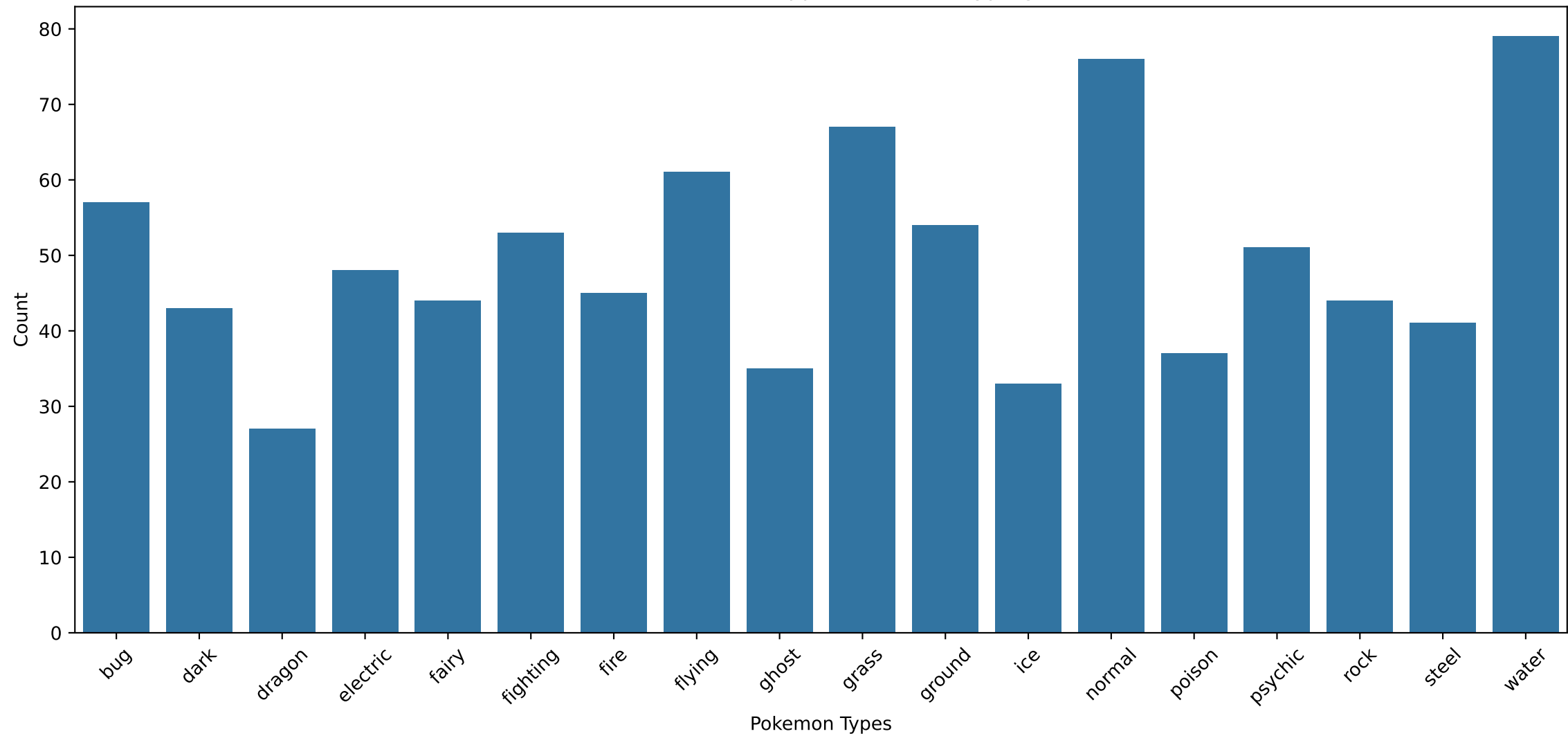# Evolutionary Algorithm - Mutation Rate Experiment
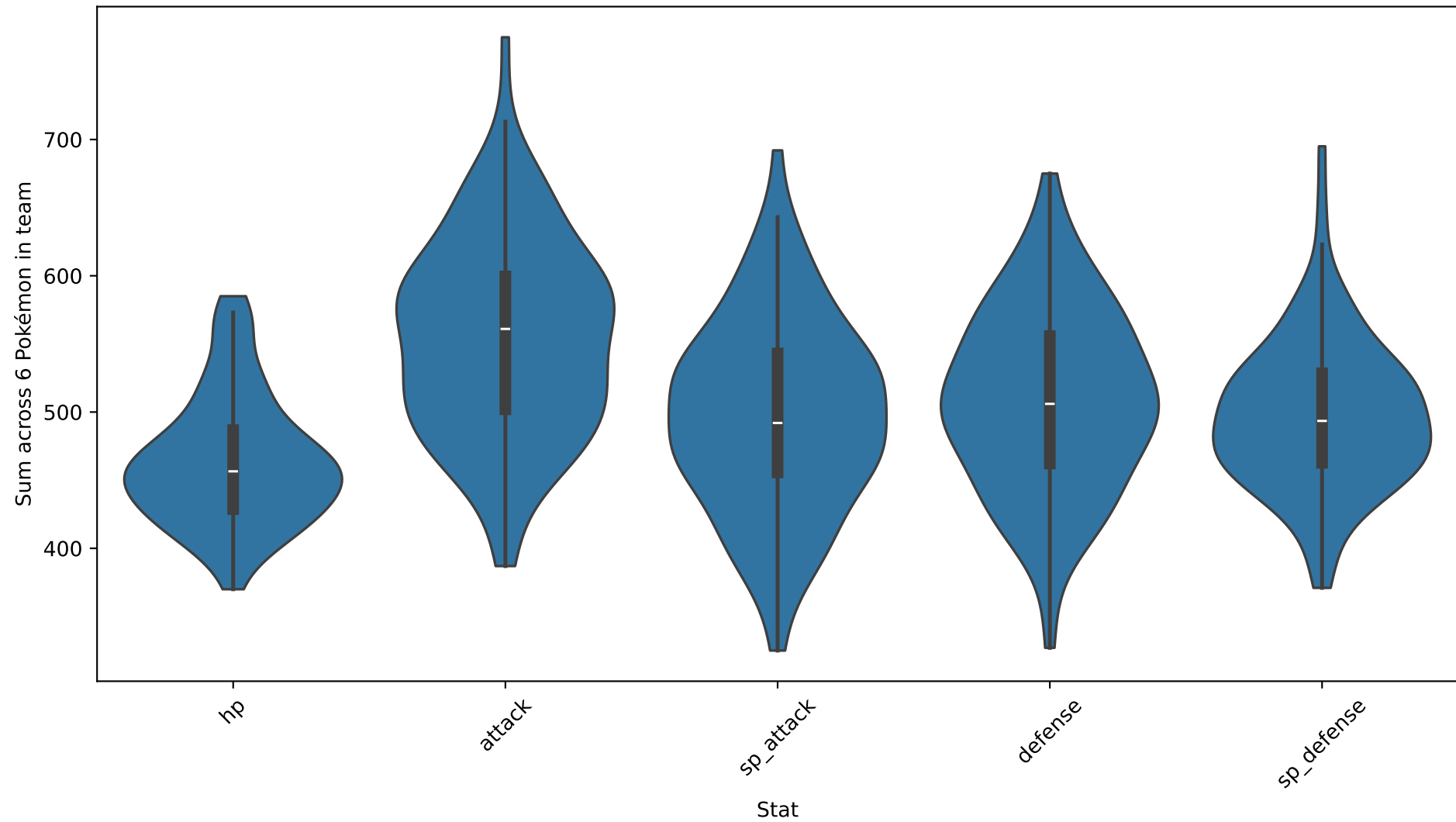
Setup:
    - Population size: 5
    - Generations: 20
    - Mutation rate: 0.1
    - Elite size: 1
    - Tournament size: 3

Distribution of Opponent Teams Typing

Opponents: distribution of team stat sums

EA - Results of individual runs

run	solver	elite_size	fitness	stats_sum	pokemons
0	EA	1	0.12992322456813818	1997	PokemonTeam(size=6, names=['Tangrowth', 'Crobat', 'Rapidash', 'Gastrodon', 'Jynx', 'Pangoro'])
1	EA	1	0.3336452513966481	2073	PokemonTeam(size=6, names=['Abomasnow', 'Alomomola', 'Aromatisse', 'Steelix', 'Wobbuffet', 'Bouffalant'])
2	EA	1	0.23924670433145007	2180	PokemonTeam(size=6, names=['Hypno', 'Blaziken', 'Slaking', 'Nidoking', 'Octillery', 'Ribombee'])
3	EA	1	0.2525688073394496	2235	PokemonTeam(size=6, names=['Flareon', 'Pinsir', 'Slaking', 'Reuniclus', 'Lilligant', 'Crobat'])
4	EA	1	0.27978984238178634	2446	PokemonTeam(size=6, names=['Donphan', 'Aromatisse', 'Slowbro', 'Abomasnow', 'Kangaskhan', 'Goodra'])
5	EA	1	0.288301282051282	2027	PokemonTeam(size=6, names=['Incineroar', 'Dunsparce', 'Dhelmise', 'Gigalith', 'Alomomola', 'Stunfisk'])

EA - Summary statistics

solver	mean	median	std	min	max	count
EA	0.253913	0.266179	0.068992	0.129923	0.333645	6