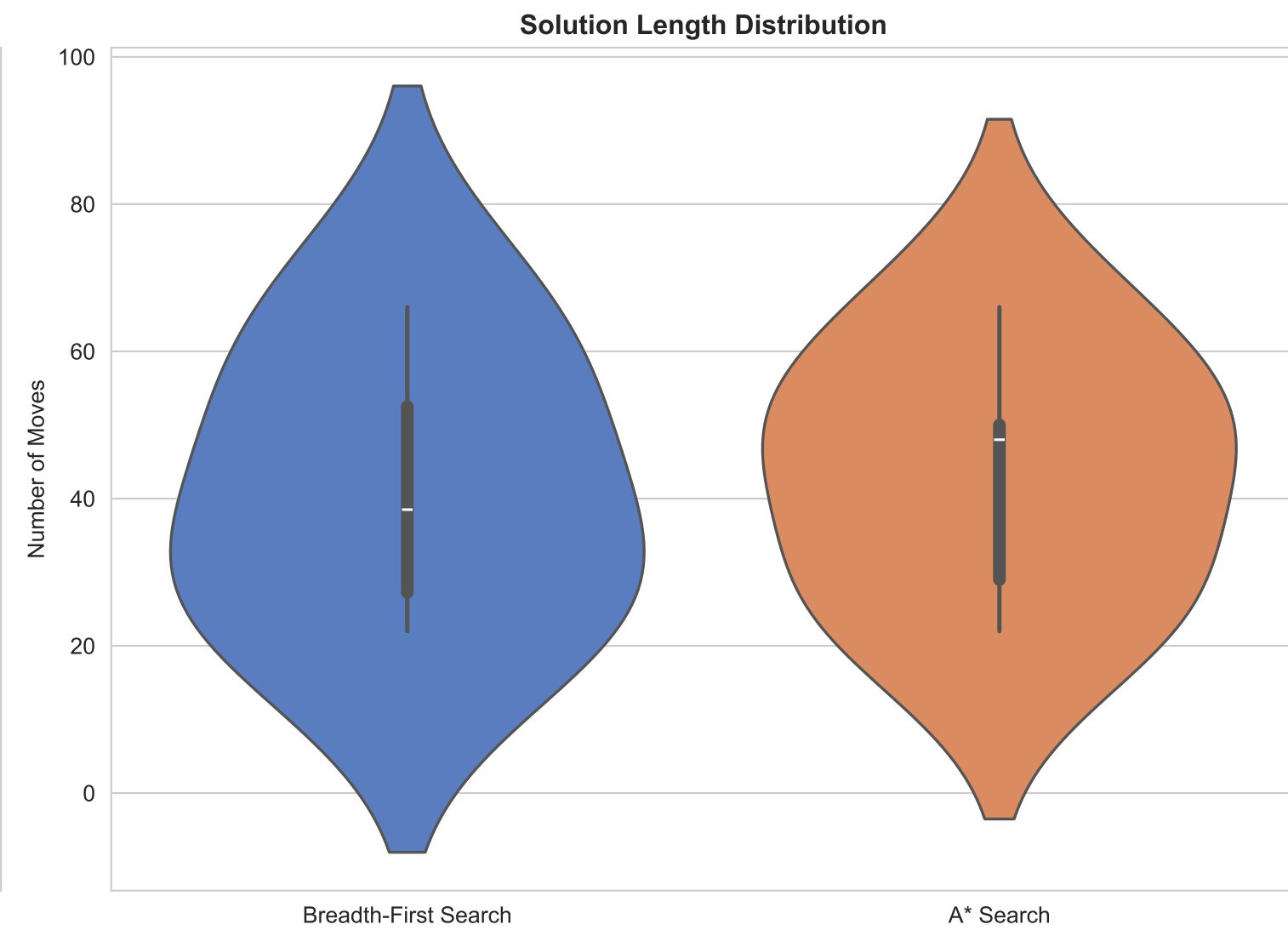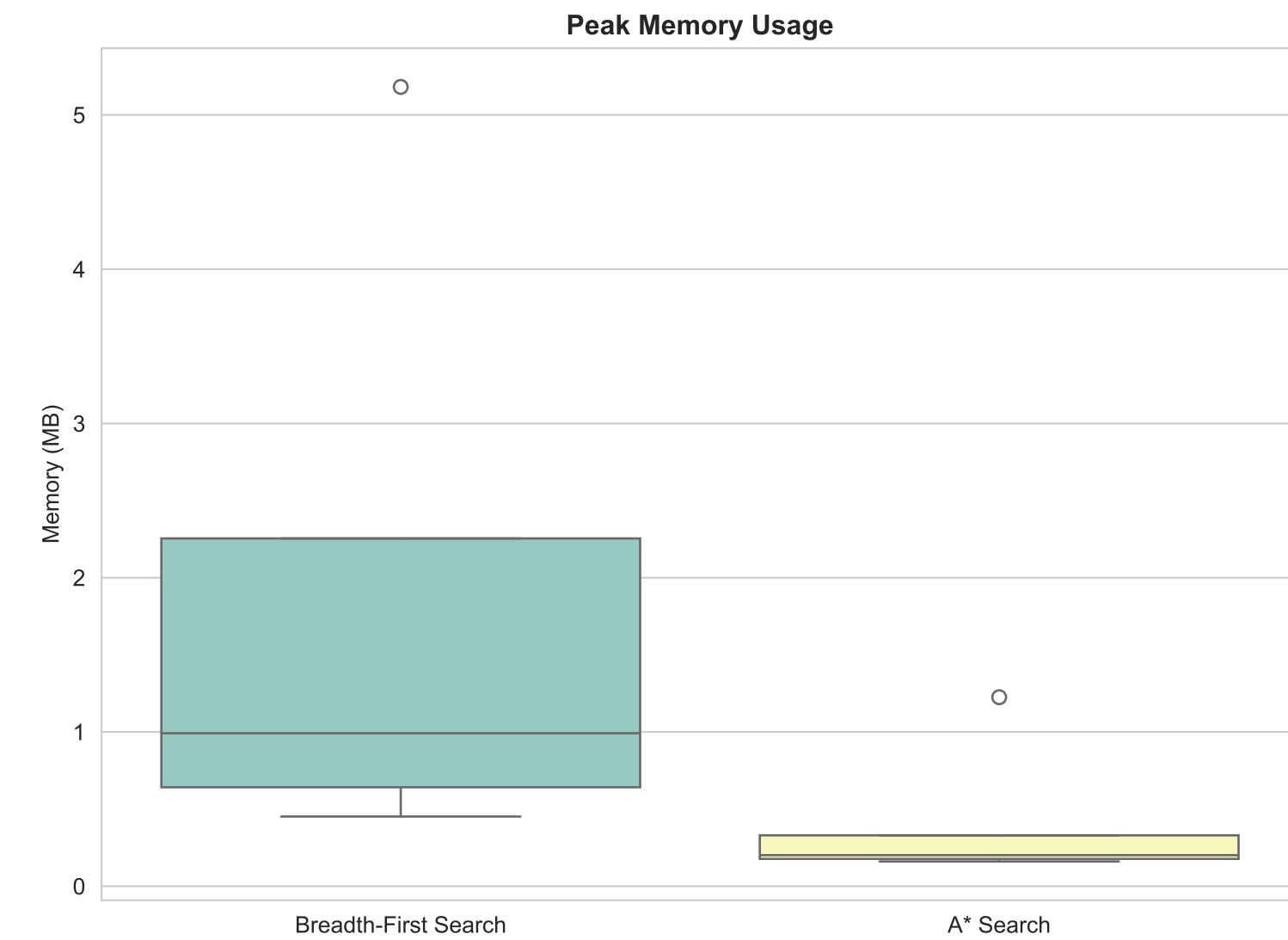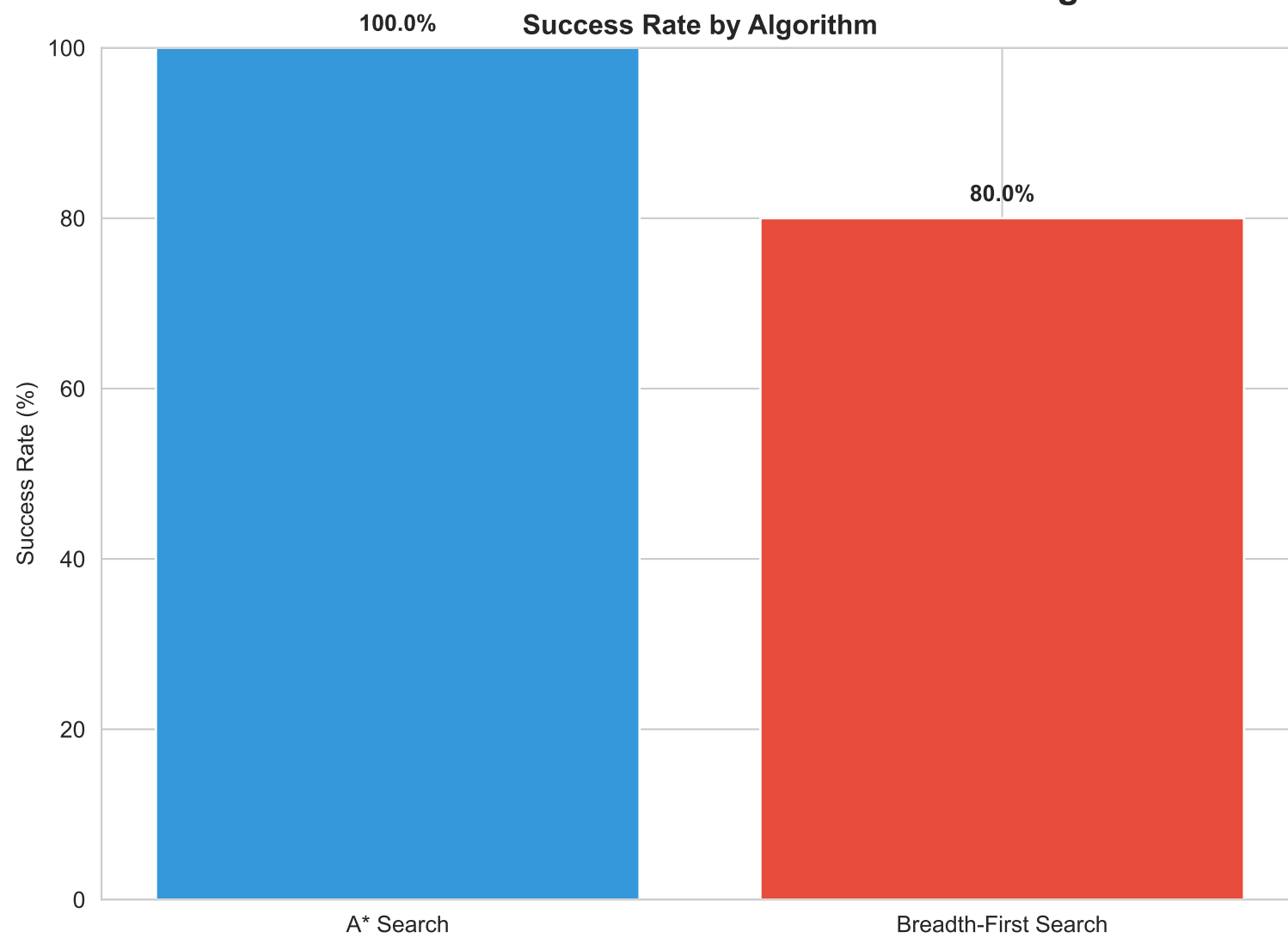# Sokoban Algorithm Benchmark Report

Generated: 2025-11-01 19:45:00

## Summary Statistics:

Algorithm	Success Rate	Avg Moves	Avg Time (s)	Avg Memory (MB)	Avg Iterations	Total Solved
Breadth-First Search	80.0%	41.2	20.184	1.90	1040	4/5
A* Search	100.0%	43.0	32.847	0.42	886	5/5

Sokoban Algorithm Benchmark - Main Comparisons

Sokoban Algorithm Benchmark - Detailed Analysis

Execution Time by Level | Average Iterations | Success vs Failure Count | Metric Correlations
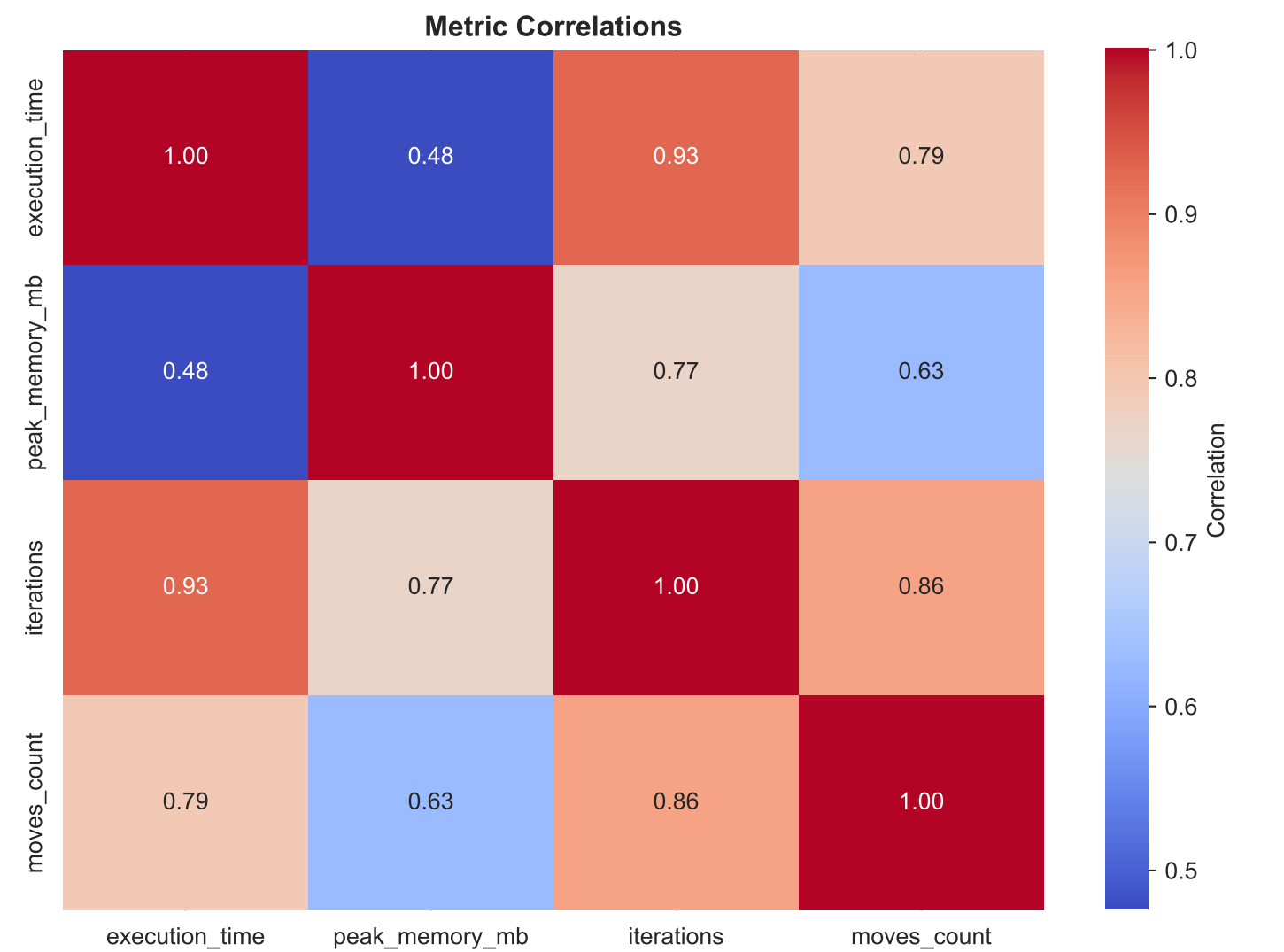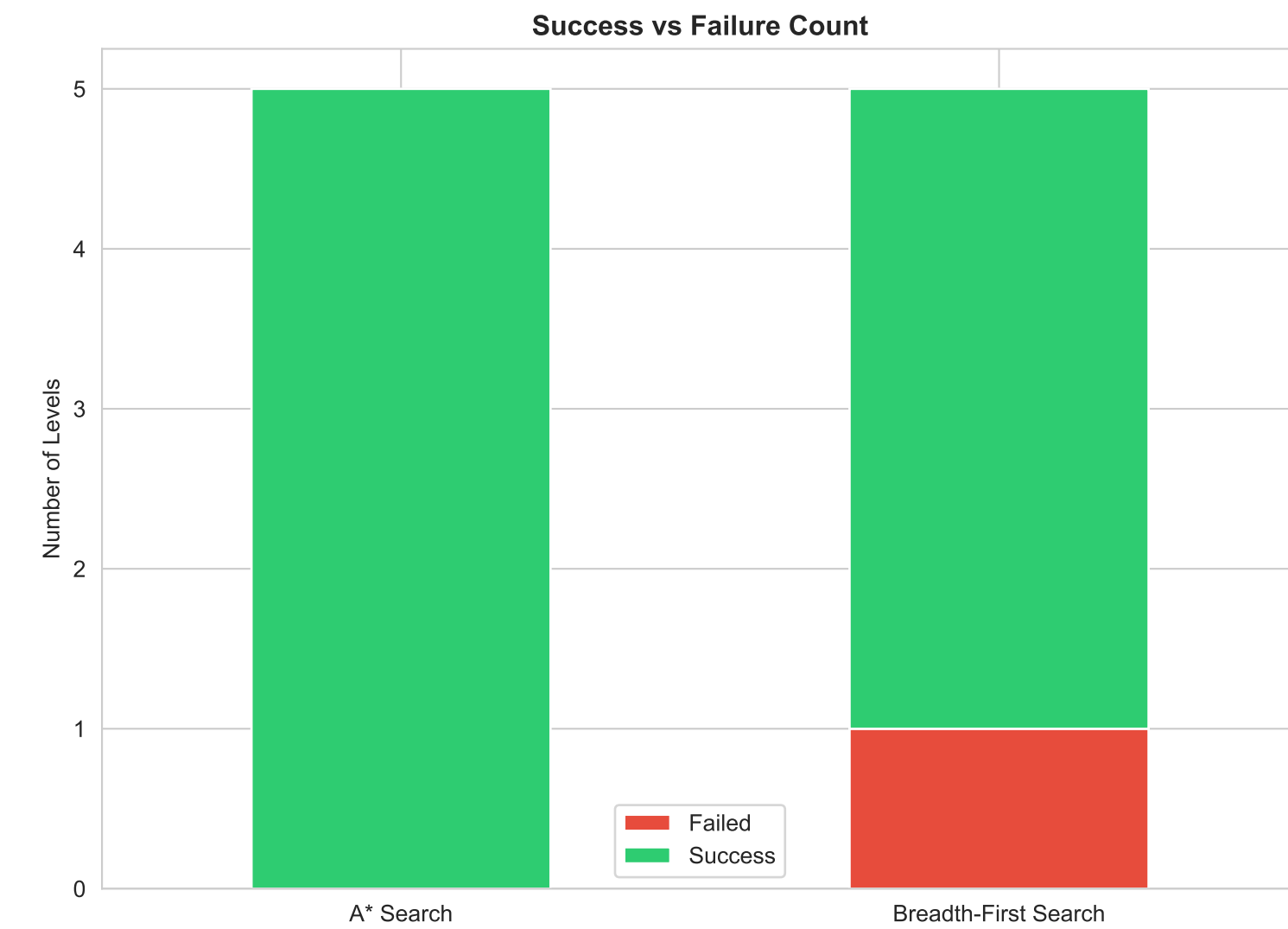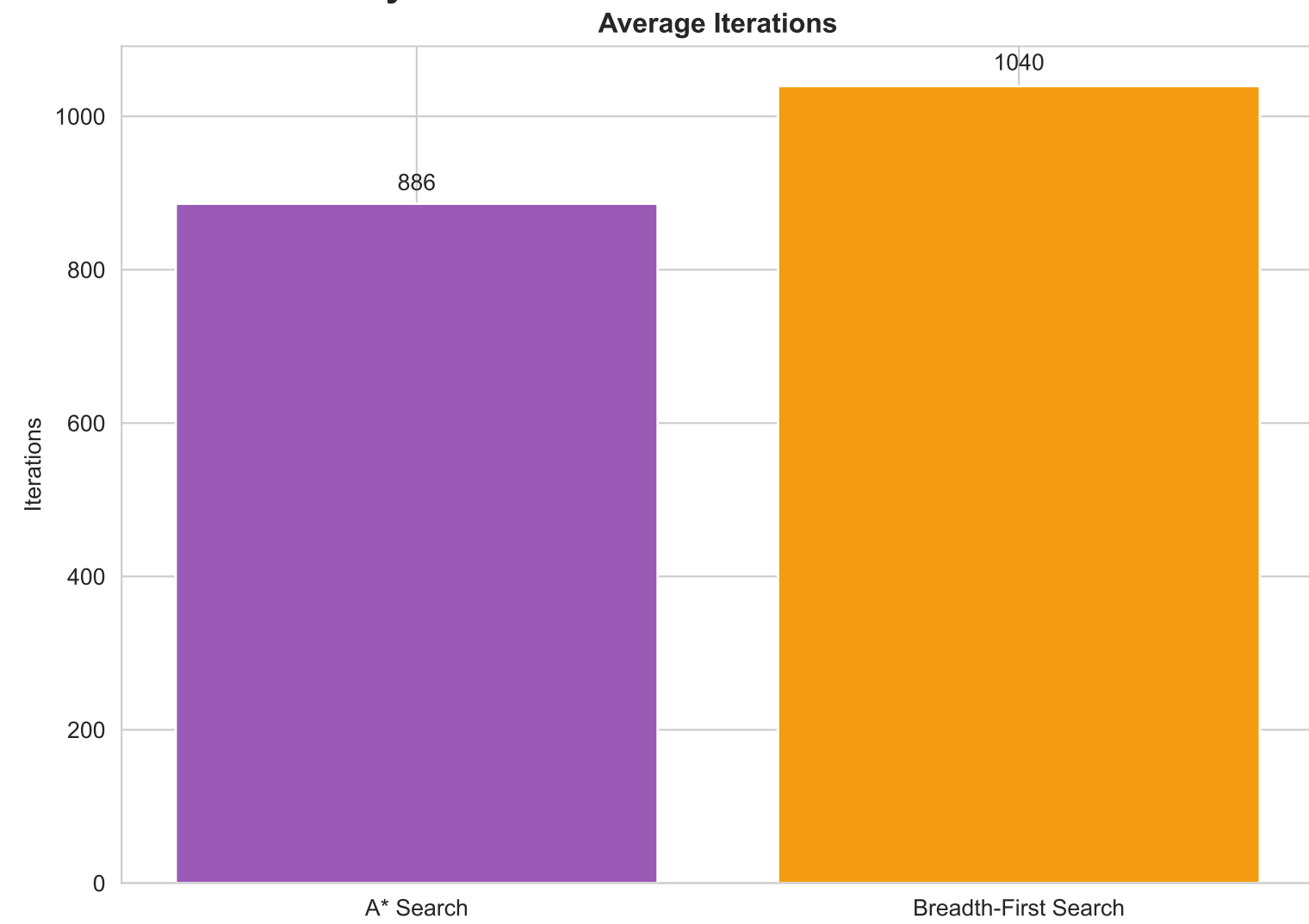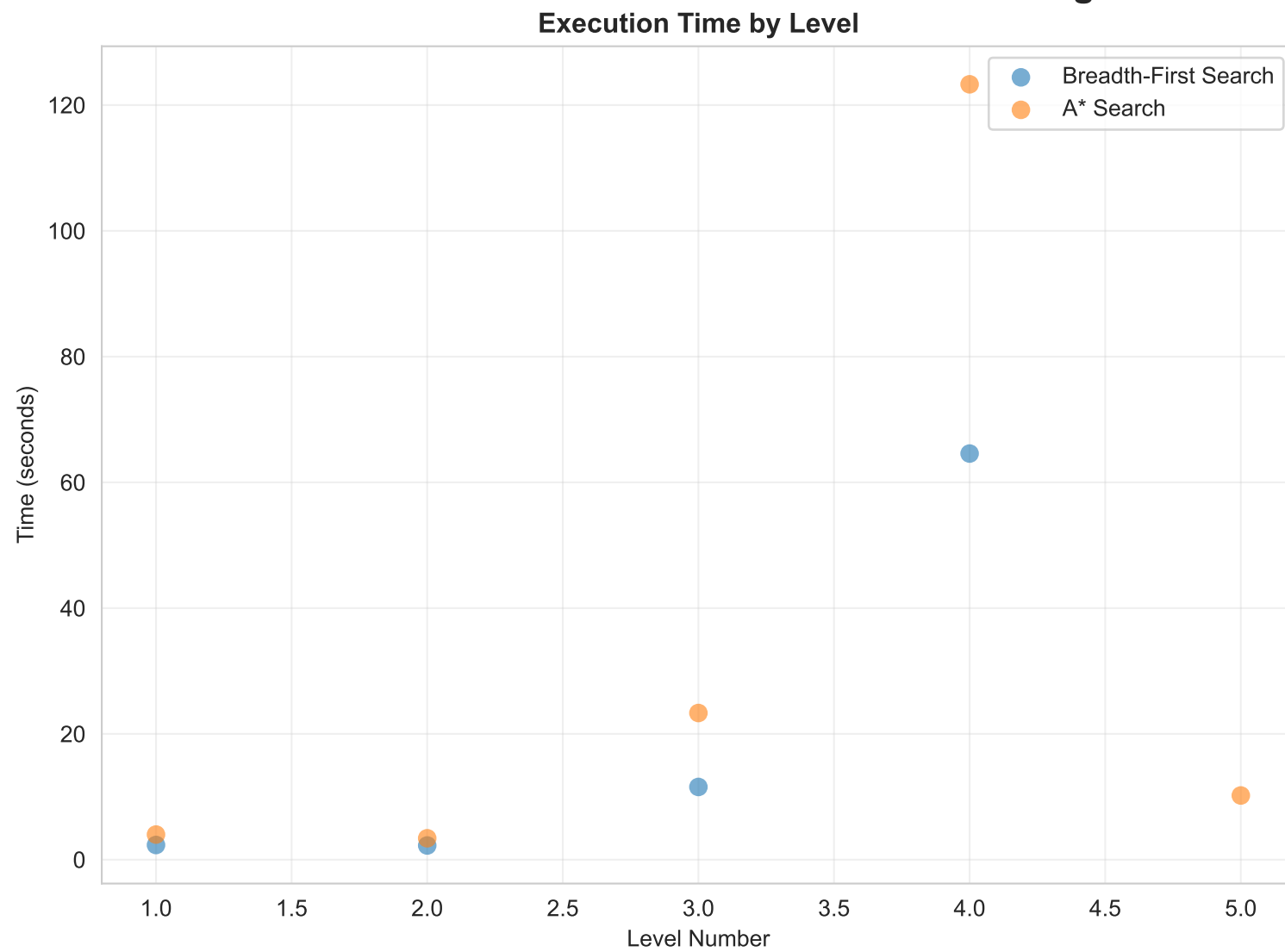
Detailed Results by Level

Level	Algorithm	Success	Moves	Time (s)	Memory (MB)	Iterations
1: Two Boxes 1	BFS	☐	29	2.333	0.70	242
1: Two Boxes 1	ASTAR	☐	29	3.993	0.18	206
2: Two Boxes 2	BFS	☐	22	2.255	0.45	184
2: Two Boxes 2	ASTAR	☐	22	3.403	0.16	177
3: Two Boxes 3	BFS	☐	48	11.563	1.28	720
3: Two Boxes 3	ASTAR	☐	48	23.324	0.33	700
4: Two Boxes 4	BFS	☐	66	64.583	5.18	3012
4: Two Boxes 4	ASTAR	☐	66	123.306	1.23	2979
5: Two Boxes 5	BFS	☐	-	1.021	0.39	-
5: Two Boxes 5	ASTAR	☐	50	10.207	0.20	368