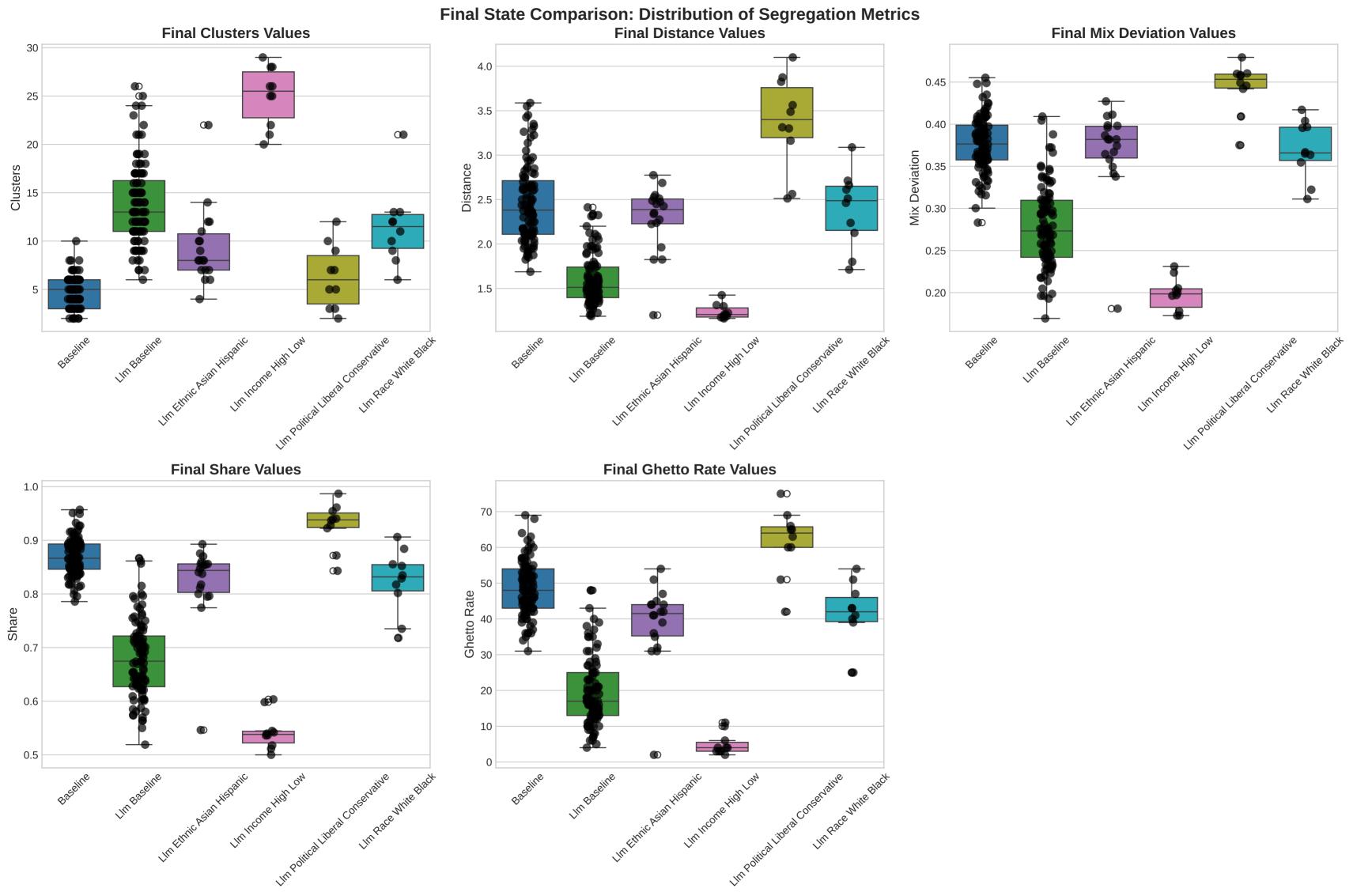
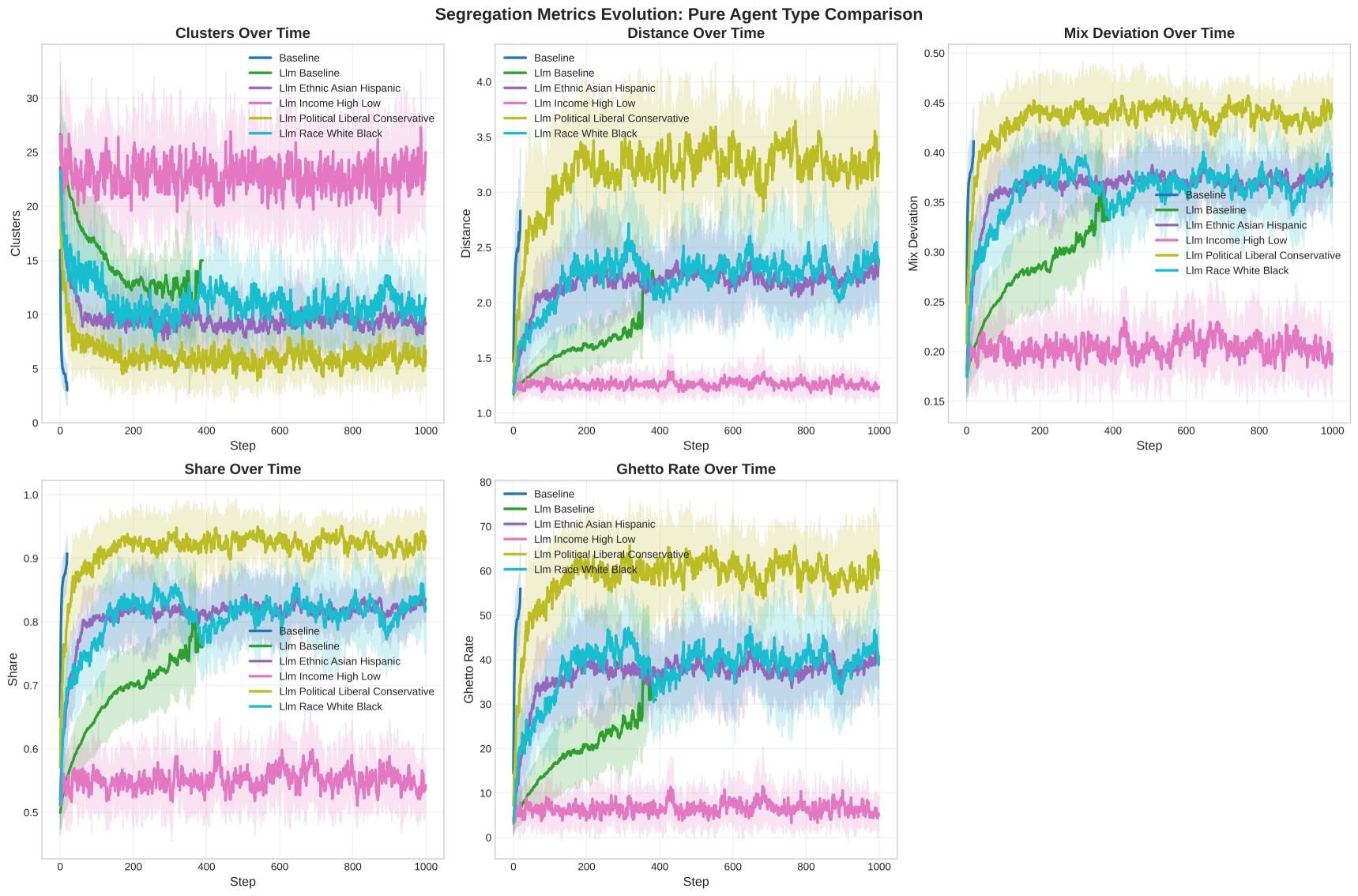
Comprehensive Comparison Report

Experiments:
Baseline
Llm Baseline
Llm Ethnic Asian Hispanic
Llm Income High Low
Llm Political Liberal Conservative
Llm Race White Black





Statistical Summary: Mean ± Standard Deviation

Metric Bas	seline 2025072 ם 117 4	Baseline l20250ที่03 c1/	Asian Hisp ahri cl 202 5	ne H igh n IRowit 202150 12	oeral Cons elwaRi ¤e&	White Black 202507
Clusters	4.660 ± 1.558	13.810 ± 4.259	9.389 ± 4.017	25.000 ± 3.091	6.300 ± 3.302	11.500 ± 4.035
Distance	2.460 ± 0.442	1.594 ± 0.280	2.285 ± 0.378	1.238 ± 0.084	3.370 ± 0.525	2.392 ± 0.426
Mix Deviation	0.377 ± 0.033	0.279 ± 0.049	0.369 ± 0.053	0.198 ± 0.020	0.444 ± 0.030	0.370 ± 0.035
Share	0.869 ± 0.035	0.679 ± 0.072	0.821 ± 0.076	0.543 ± 0.034	0.928 ± 0.042	0.823 ± 0.060
Ghetto Rate	48.540 ± 7.663	19.480 ± 9.568	38.944 ± 11.222	5.000 ± 3.091	61.600 ± 9.312	40.800 ± 9.601

□ PURE COMPARISON STUDY: KEY FINDINGS SUMMAR		PURE	COMPARISON	STUDY: KEY	'FINDINGS	SUMMARY
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☐ KEY	FINDINGS:	PURE	AGENT	TYPE	COMPARISON	STUDY
☐ EXECUTIVE SUMMARY						

This study compares three pure agent types in the Schelling Segregation Model:

- 🛮 Mechanical Baseline: Traditional utility-maximizing agents
- 🛘 Standard LLM: AI agents making human-like decisions (current context)
- \square Memory LLM: AI agents with persistent memory and relationship history
- □ MAJOR DISCOVERIES
- 1. > LLM AGENTS CONVERGE 2X FASTER THAN MECHANICAL AGENTS

CONVERGENCE SPEED:

- Baseline 20250729 174459: 12 steps
- Llm Baseline 20250703 101243: Did not converge
- Llm Ethnic Asian Hispanic 20250713 221759: Did not converge
- Llm Income High Low 20250724 154316: Did not converge
- Llm Political Liberal Conservative 20250724 154733: 185 steps (10% converged)
- Llm Race White Black 20250718 195455: Did not converge
- 2. $\square\square$ SIMILAR FINAL SEGREGATION LEVELS, DIFFERENT PATHS