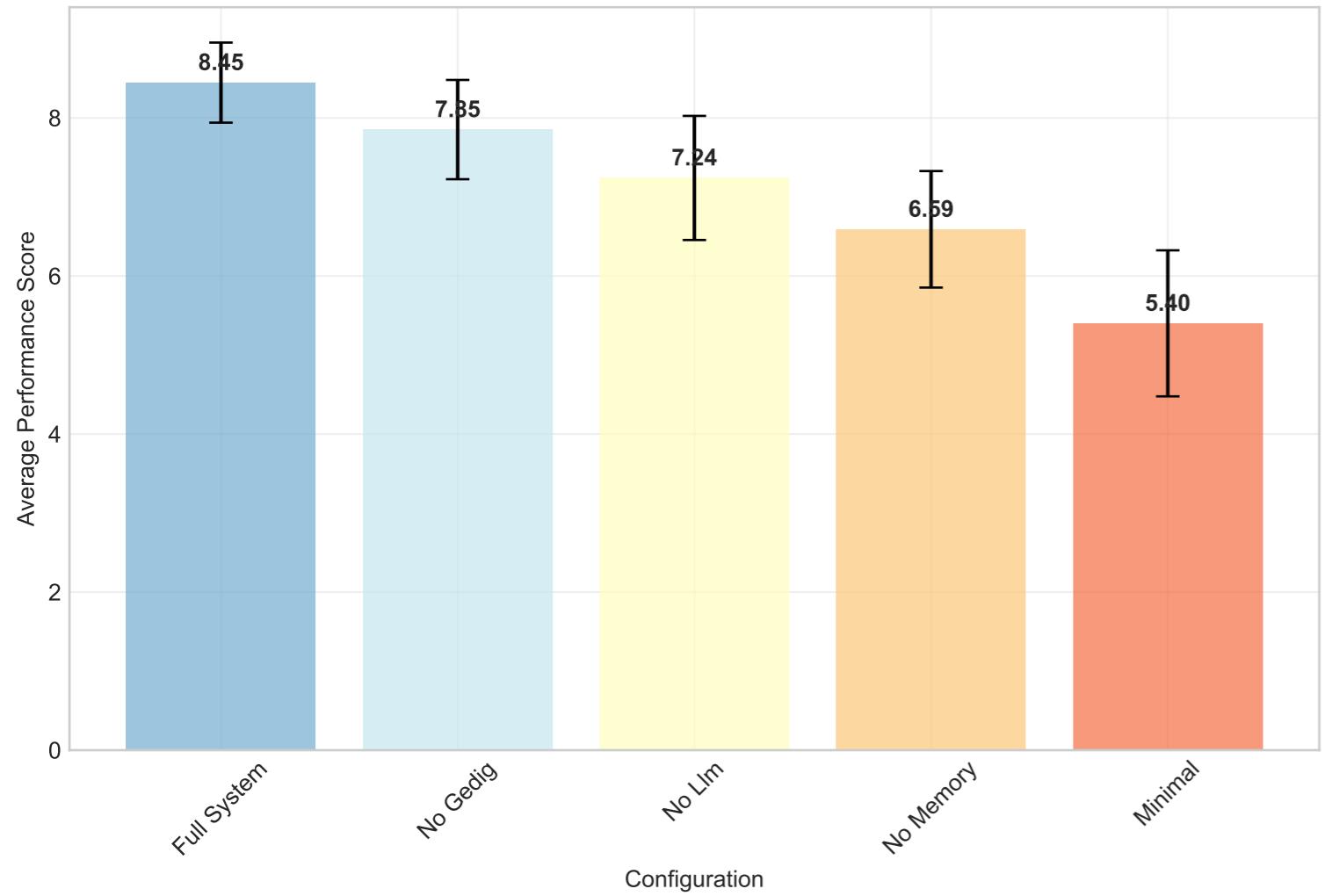
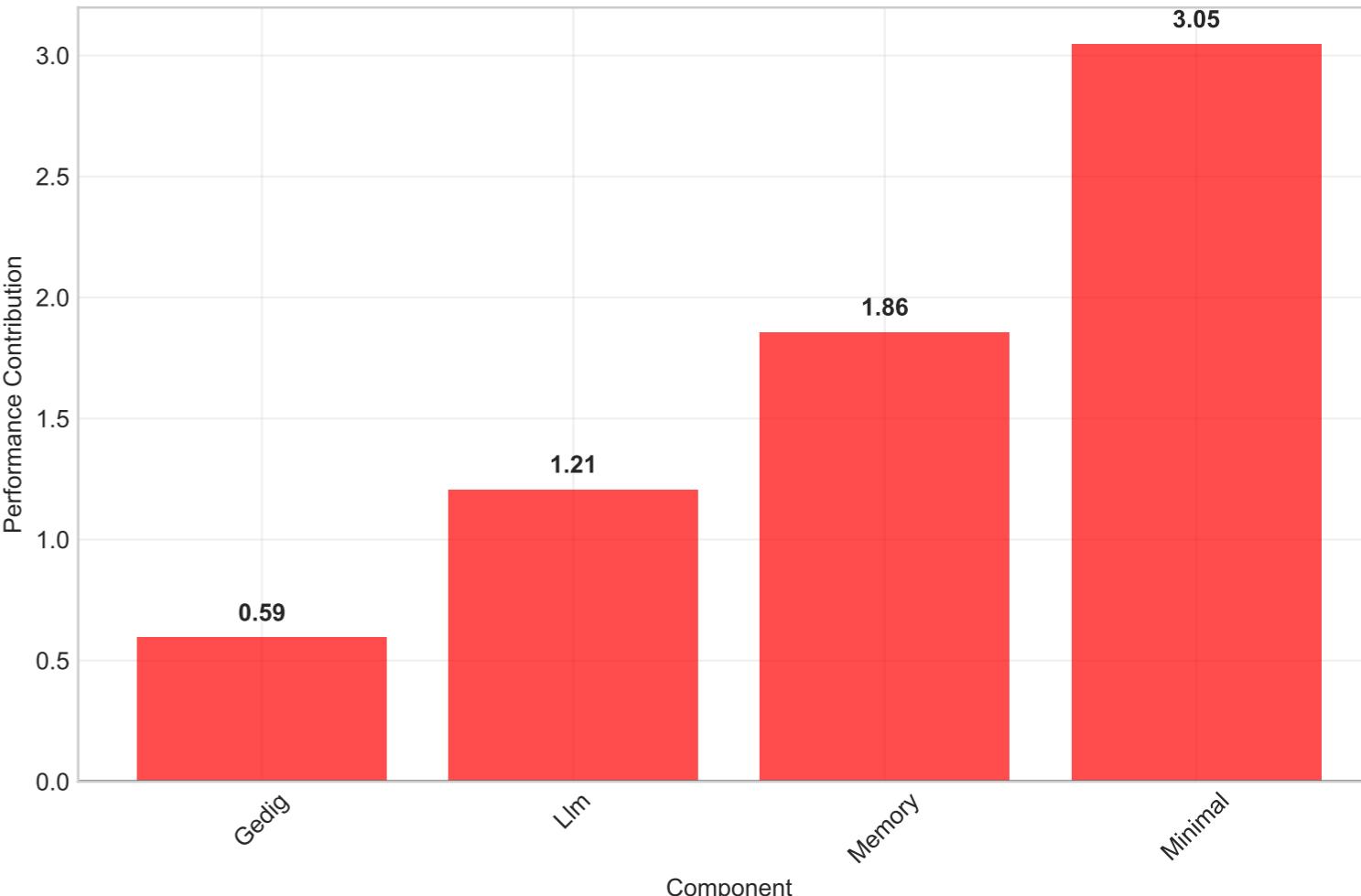


# InsightSpike-AI: Comprehensive Ablation Study Analysis

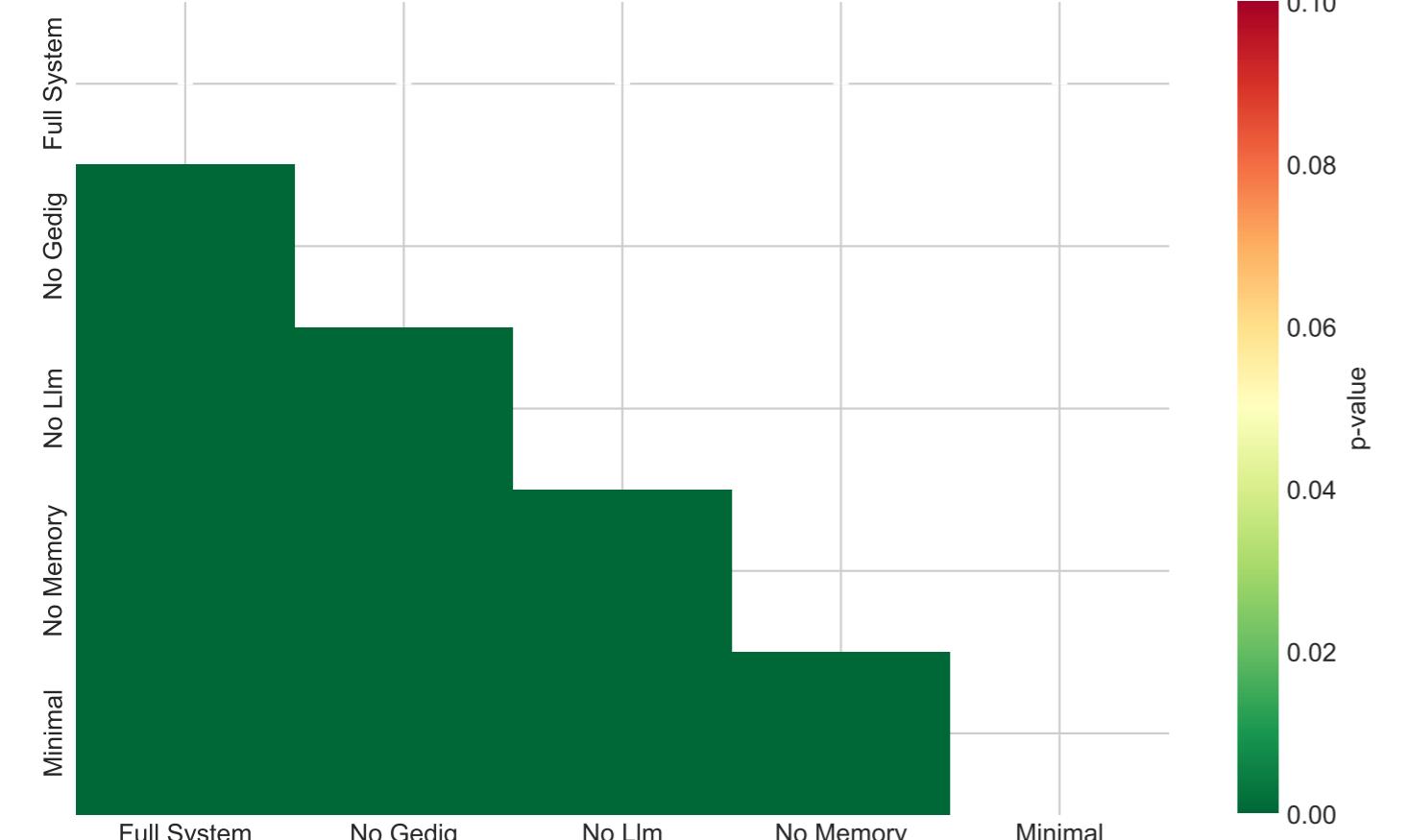
**Performance Across Ablation Configurations**



**Component Contribution to Performance  
(Performance Drop When Removed)**



**Statistical Significance Matrix  
(p-values for pairwise comparisons)**



**Effect Size Analysis  
(|Cohen's d| vs Full System)**

