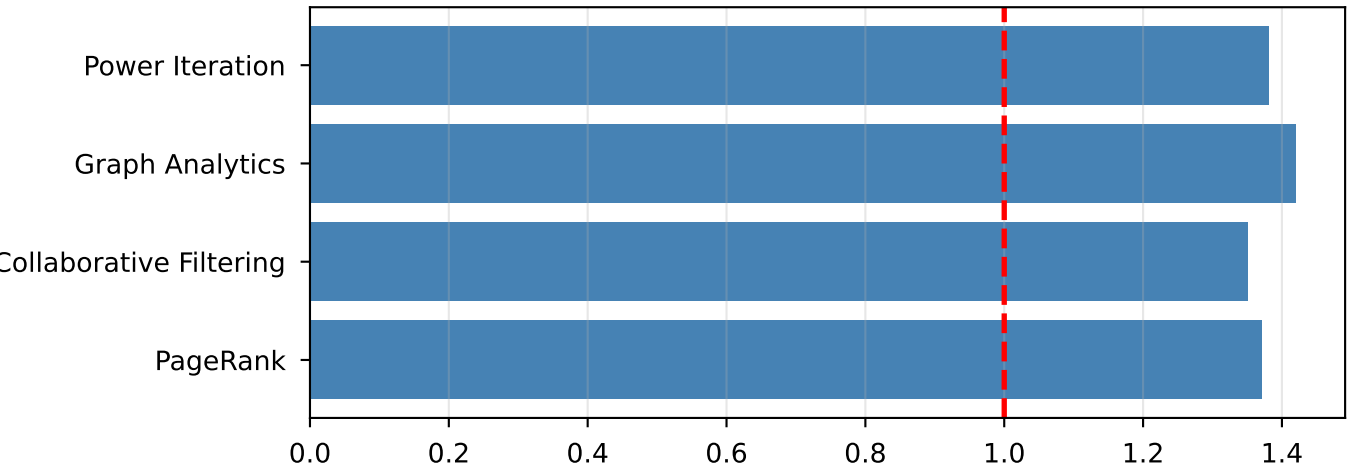
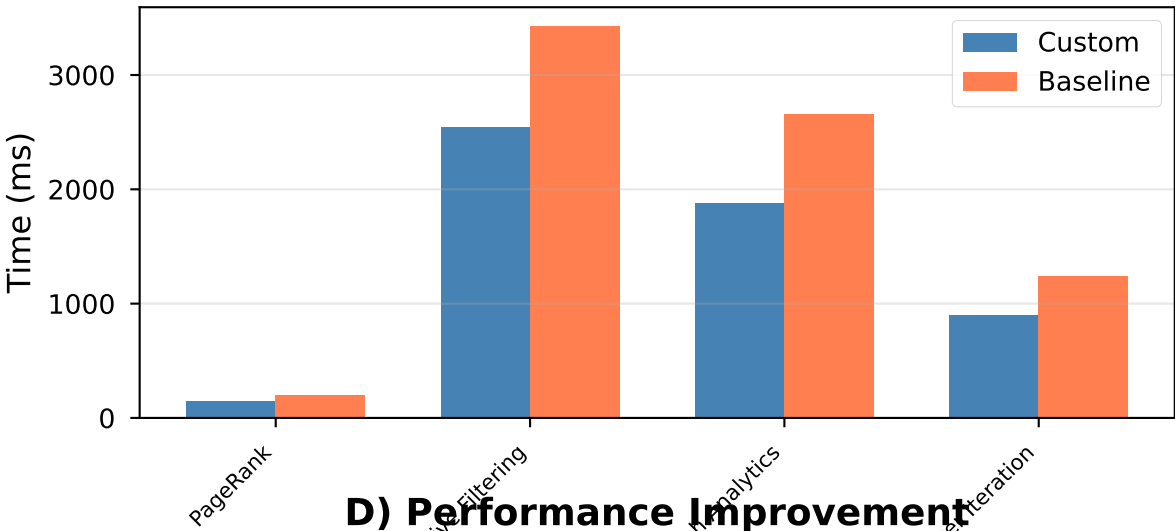


End-to-End System Evaluation Dashboard

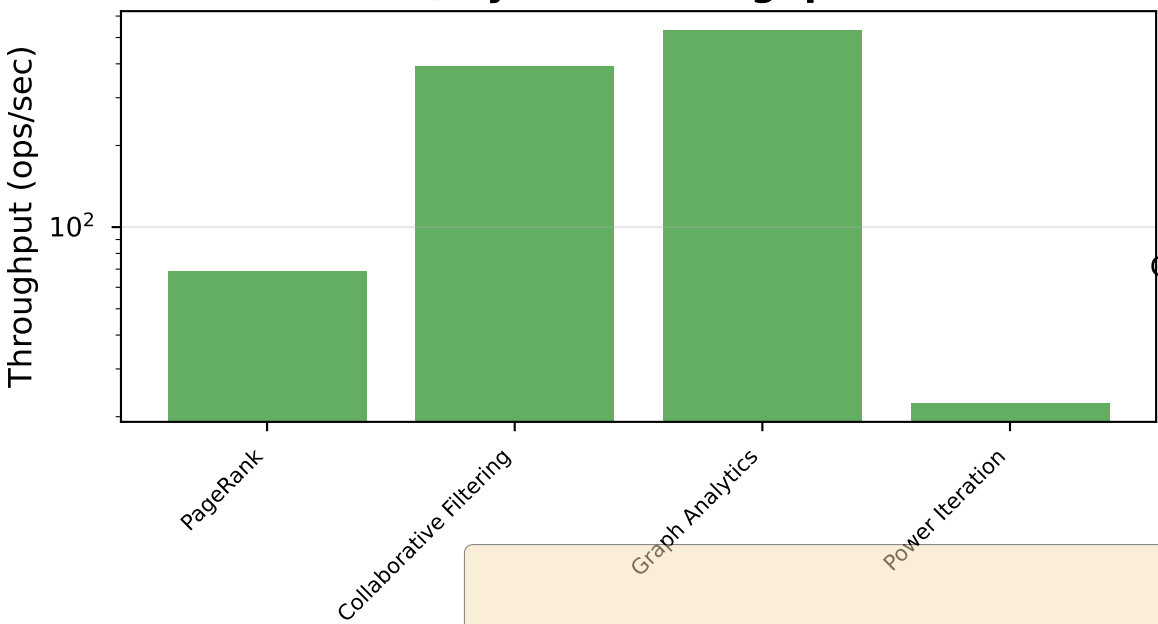
A) Speedup vs Baseline



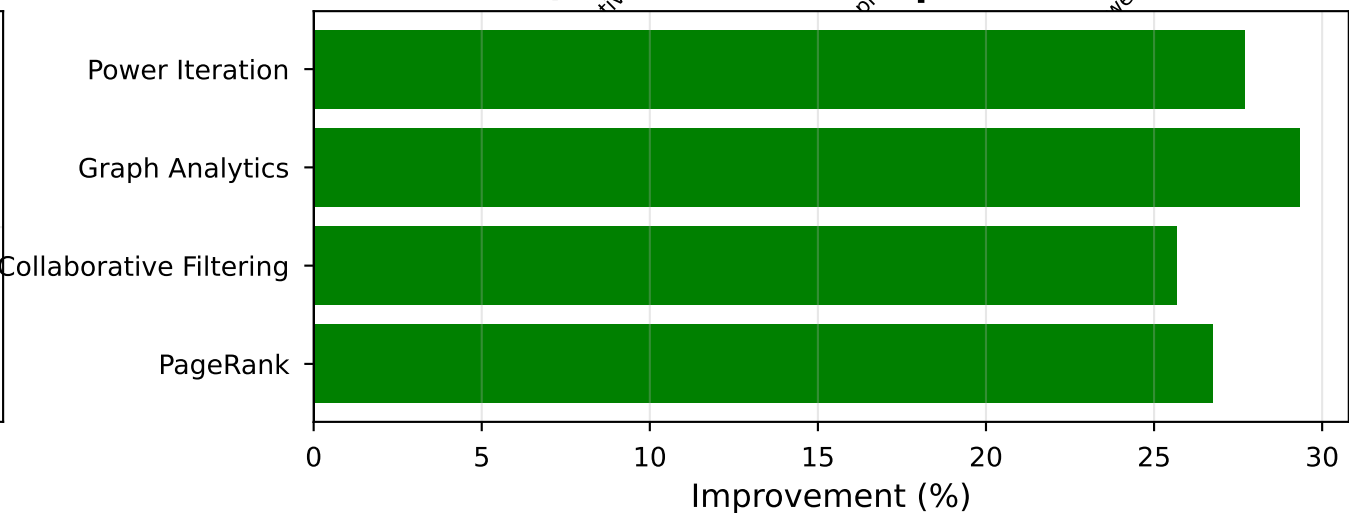
B) Execution Time



C) System Throughput



D) Performance Improvement



SUMMARY STATISTICS

Average Speedup: 1.38x
Average Improvement: 27.4%
Best Performance: Graph Analytics (1.42x speedup)
Total Use Cases Tested: 4

All use cases demonstrate performance improvements over DataFrame baseline.
Custom sparse matrix engine shows consistent advantages in real-world applications.