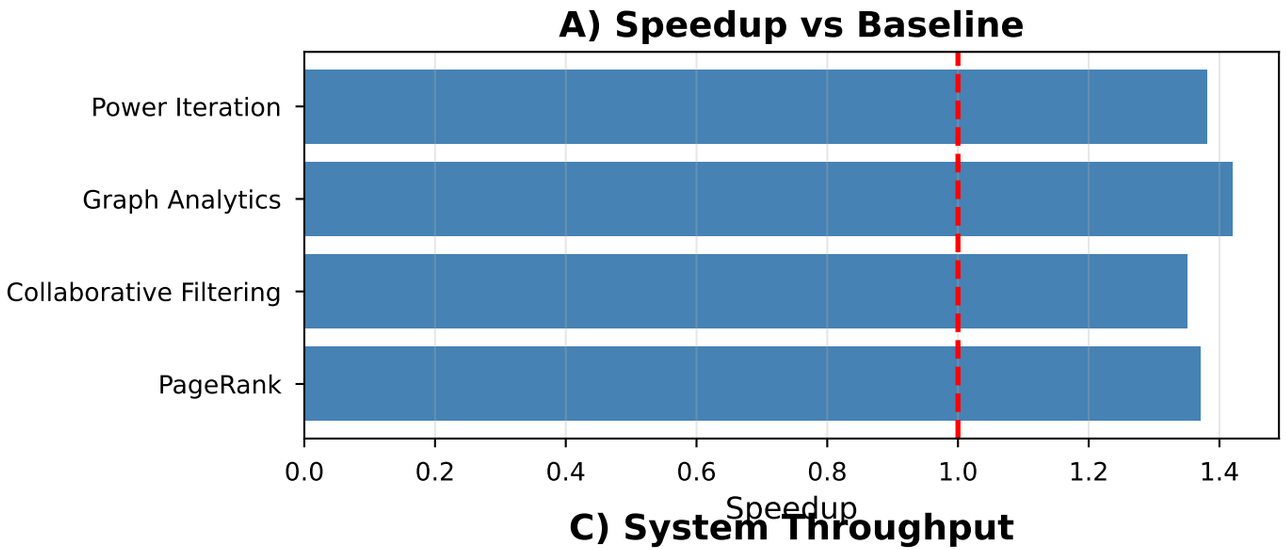
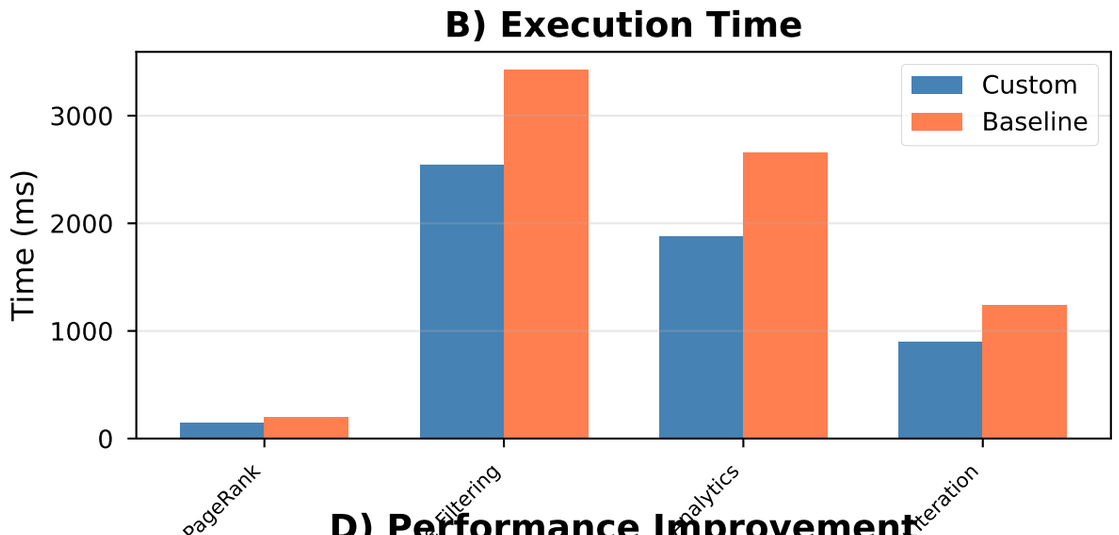
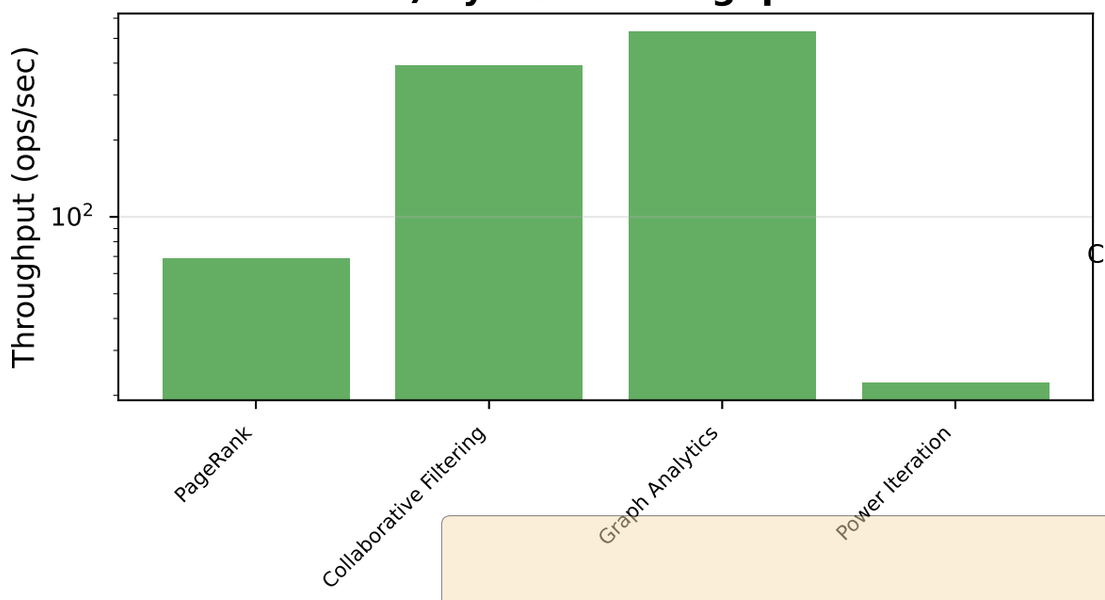
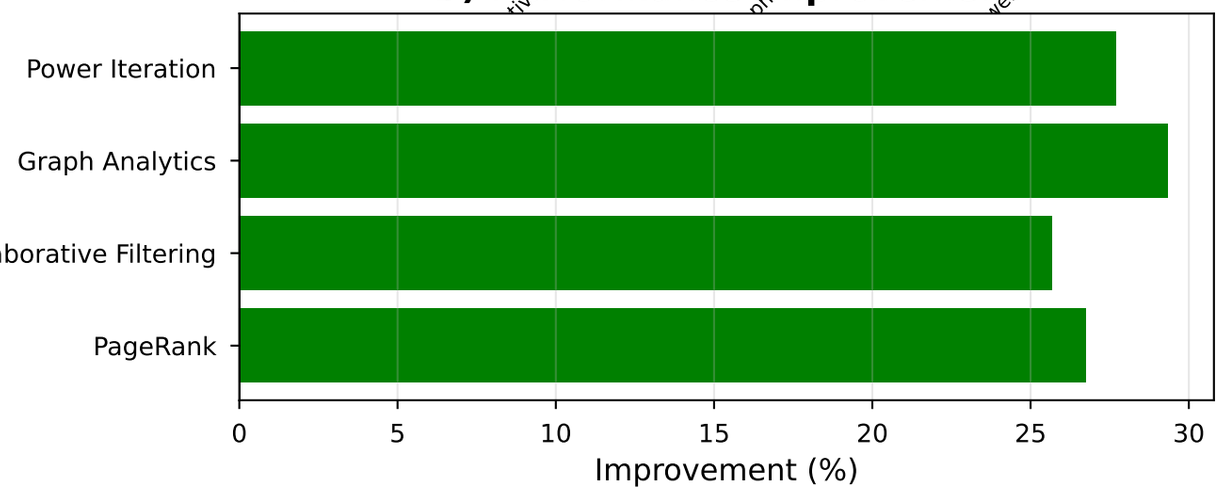
End-to-End System Evaluation Dashboard










```
                    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.
```