

# Reordering for Matrix Visualization with Reorder.js

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## Summary:

Effective matrix visualizations rely heavily on the order of the vertices. The patterns that appear thanks to such an ordering provide information about the structure of the graph. However, implementing reordering algorithms is not trivial. Reorder.js is a JavaScript library that provides several algorithms for matrix reordering. This library has now been updated with the state-of-the-art measure Moran's I, algorithms based on Moran's I, and simultaneous reordering for multiple matrices. The poster shows the results of the new algorithms applied to several visualizations. Finally, our examples aim to remind practitioners of the importance of reordering in visualization, e.g., for Parallel Coordinate Plots and tables.