Visualization of matrices in MATLAB

Grid communities

Figure1. Network of cortical connectivity is reordered so that the nodes with the same community assignment are next to one another

Node reordering with simulated annealing

Figure 2. Cortical connectivity network is reordered by simulated annealing to maximize the number of edges close to the main diagonal.
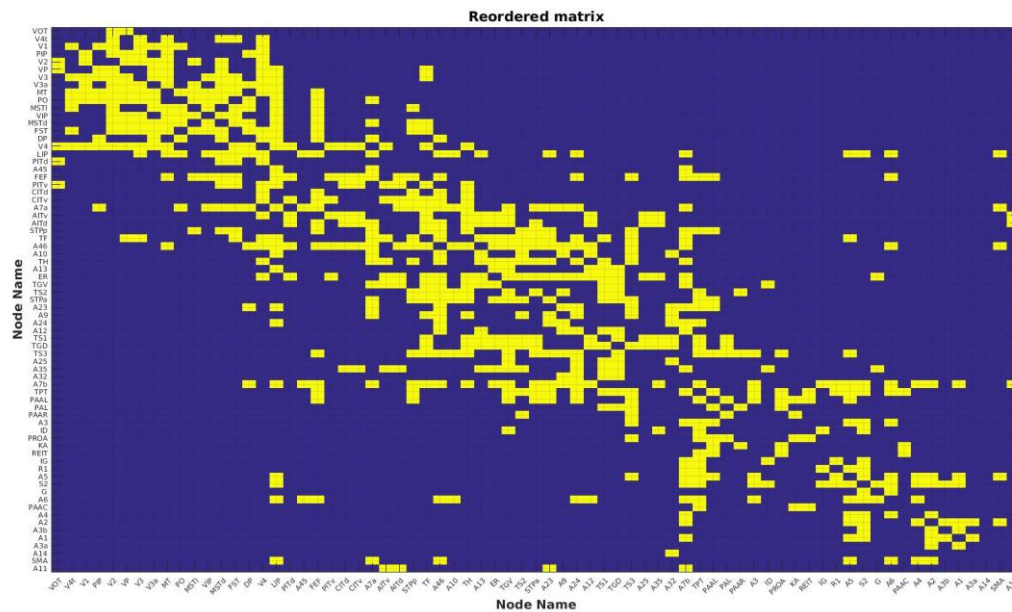
Node reordering

Figure 3. Network of cortical connectivity is reordered to maximize the number of edges close to the main diagonal
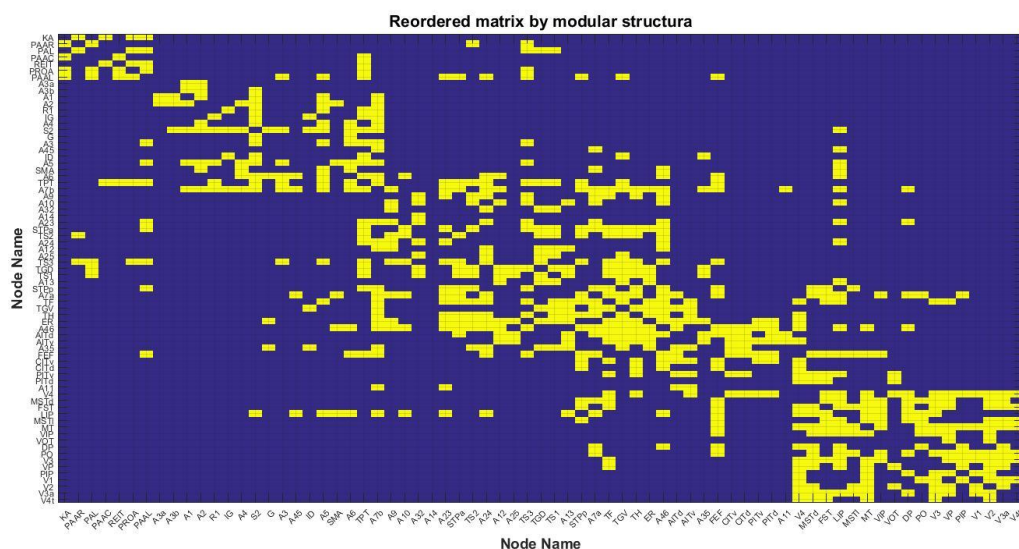
Node reordering by modular structure

Figure 4. Network of cortical connectivity is reordered by modular structure to maximize the number of edges close to the main diagonal