



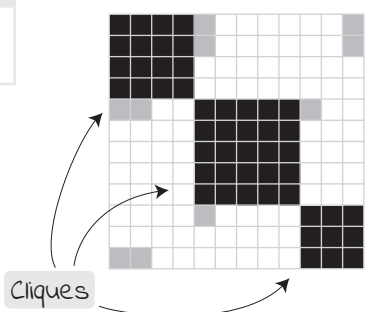
Adjacency Matrix

Visual Patterns

Block

Node Clique

Set of nodes where every node is connected to every other node.



Cliques

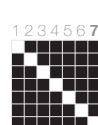
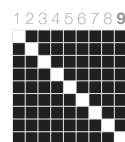
A clique is visible as complete blocks without missing cells inside.



Clique with self-links



Clique without self-links



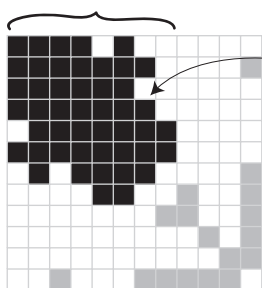
Large ← → Small

Cluster

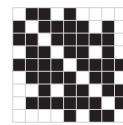
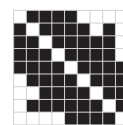
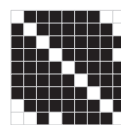
Node Cluster

Set of nodes where almost all nodes are connected. If all links would be present, the cluster would be a clique.

A cluster is visible as a large "clump" of cells but can contain empty cells.



Empty cells indicate unconnected nodes in the cluster.



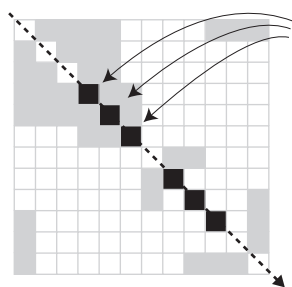
Dense ← → Sparse

Diagonals

Self Links

Self links are links that connect a node to itself.

Examples include self-citations in citation networks.



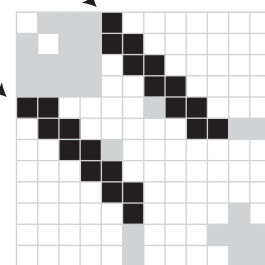
Self-links are the filled cells along the matrix diagonal.

Stairs

Paths

A set of nodes so that there is a set of connections that lead from the first to the last node in that set.

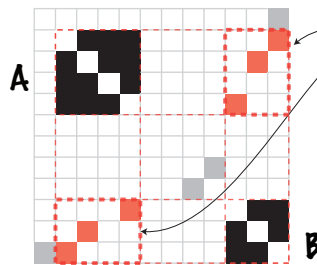
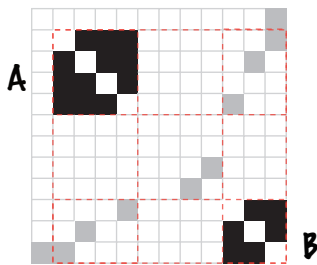
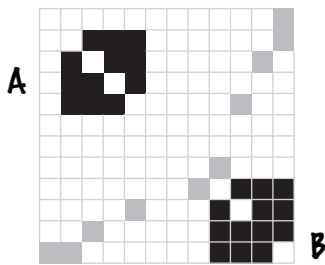
Paths appear as "steps" running down the matrix diagonally.



off-diagonal cells

Connectors

Connectors indicate links between two cliques or clusters (A and B).



Any filled cells in these two areas indicate link between Clique A and Clique B.

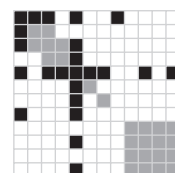
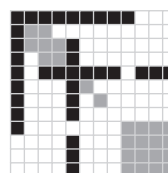
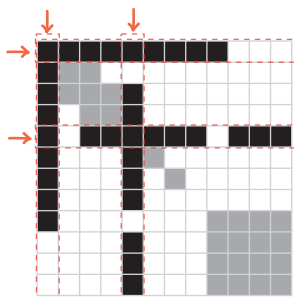
This example has 3 links between A and B.

Dense row / column

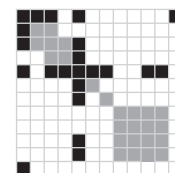
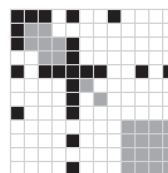
Hub nodes

Highly connected nodes are nodes with many connections.

Highly connected nodes are visible by row and columns with many cells. Cells do not need to be adjacent.



More links ← → Less links



Same pattern but different row & column ordering