

Graph area

Toolbars surrounding the graph on the left and bottom.
Open **Additional settings** via a button on the bottom right

Basic navigation

Zoom Mouse wheel
Span Right mouse drag

Basic selection and dragging

One node Pressing down CTRL
X amount of nodes Use "Direct selection" tool and use "Configure"
Highlight area of interest "Direct selection" tool
Drag nodes "Drag" tool

Appearance box

Top left. Most appearance related settings also use Additional settings from below the graph

Colors

Background *Additional settings* -> Global -> Background color ✓
Nodes Appearance -> Nodes (Color) -> Unique/Partition/Ranking -> Apply
Edges **Default:** edge color = node color. **Otherwise:** Appearance -> Edges (Color) -> Unique/Partition/Ranking -> Apply
Labels *Additional settings* -> Labels -> Node ✓
Label color = node color *Additional settings* -> Labels -> Node ✓. Color -> Object color

Sizes

Nodes Appearance -> Nodes (Size) -> Unique/Ranking -> Apply. If an attribute is added to the data, change the column values to "float" so it would pop up in Ranking options
Edges **Default:** size depends on weight. **Otherwise:** *Additional settings* -> Edges -> Scale
Labels *Additional settings* -> Labels -> Node ✓. Size -> Fixed/Scaled/Node size

Layout box

Bottom left

Layout

Force Atlas Small world/scale free networks
Force Atlas 2 Updated Force Atlas, handles large data sets better, keeps high quality
Fruchtermann-Reingold Simulates graph as system of mass particles. The algorithms aim to minimize the energy in the system. Standard but slow
Yifan Hu Reduces complexity, fast, handles big data sets
OpenOrd Expects undirected weighted graphs, aims to detect clusters. Really helpful on large graphs
GeoLayout Based on latitude/longitude positions nodes, Mercator projection linked to GMaps, coordinates should be numeric

Possible to write own algorithms and install other plugins online

Layout overlaps and geometric changes

Noverlap Reduce Speed to increase quality, increase Margin and Ratio to increase space around nodes
Label adjust Specific to visible labels.
Clockwise Rotate Rotate -> Angle > 0
Counter-Clockwise Rotate Rotate -> Angle < 0
Expansion Expand whole graph by scale vector
Contraction Contract whole graph by scale vector

Filters | Statistics

Upper left

Statistics

Node size/color based on statistics Statistics -> Run a selected statistic, the values will appear as options under node size and color in Appearance
Community-detection Statistics -> Modularity -> Run. Appearance -> Nodes (Color) -> Partition -> Modularity class

Filter

Remove nodes with a single edge Filters -> Topology -> Degree range. **To activate:** Queries -> Degree range -> Move slider bound to 2 -> Filter

Viewing and exporting

Graph settings and Preview settings

Viewing

Graph	Window -> Graph
Data table	Window -> Data table
Timeline	Window -> Timeline

These are fixes in case the buttons "Overview", "Data Laboratory", and "Preview" in the top left don't work

Preview and export

View	Window -> Preview. Window ->
preview	Preview settings -> Refresh
Large	Preview settings -> toggle
graph	Preview ratio bar
Curved	Preview settings -> Edges ->
edges	Curved ✓
Record	Graph visualizations bar,
snapshot	camera icon (Take screenshot). Configure to change resolution
Export	Preview settings -> Export (SVG/PDF/PNG)



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Page 2 of 2.

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