

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

Fruchterman-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



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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 settings -> Refresh

Large Preview settings -> toggle Preview ratio bar graph

Curved edges Preview settings -> Edges -> Curved ✓

Record Graph visualizations bar, camera icon (Take screenshot). Configure to change resolution

Export Preview settings -> Export (SVG/PDF/PNG)



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