Gephi Cheat Sheet

by marisu via cheatography.com/116880/cs/21790/

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

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, Mercarator 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

By **marisu**
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Not published yet.
Last updated 18th February, 2020.

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

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