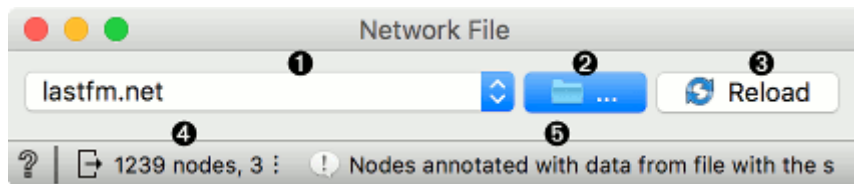# Network File

Read network graph file in Pajek format.

Outputs

- Network: An instance of Network Graph.
- Items: Properties of a network file.

Network File widget reads network files and sends the input data to its output channel. History of the most recently opened files in maintained in the widget. The widget also includes a directory with sample data sets that come pre-installed with the add-on.
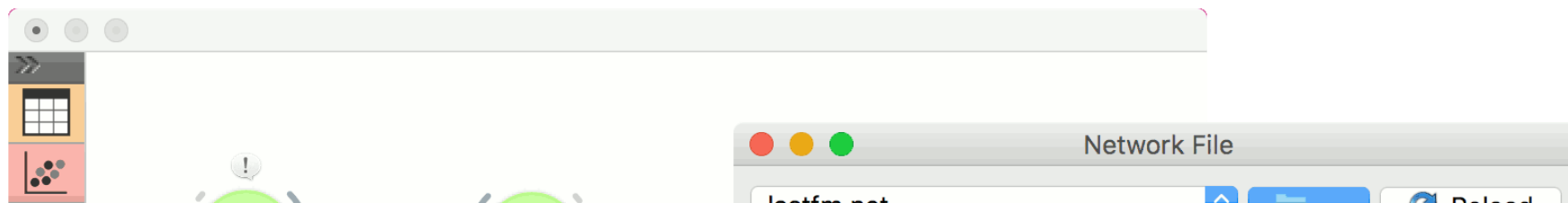
The widget reads data in .net and .pajek formats. A complimentary .tab, .tsv or .csv data set can be provided for node information. Orange by default matches a file with the same name as .net file.
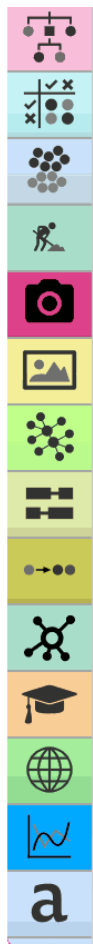

1. Load network file. The widget construct a data table from the data whose filename matches the graph filename (i.e. *lastfm.net* and *lastfm.tab*) or, if no match is found, from the graph. A dropdown menu provides access to documentation data sets with *Browse documentation networks…*.
2. The folder icon provides access to local data files.
3. Reload the data file from 1.
4. Status bar reports on the number of nodes and edges and the type of the graph.
5. Information, warnings and errors. Hover over a message to read it all.

Example

We loaded the *lastfm.net* from documentation data set (dropdown → Browse documentation networks). The nicest way to observe network data is with the Network Explorer widget. **Network File** widget automatically matched the corresponding data file (*lastfm.net* with *lastfm.tab*), so node attributes are available in the widget.
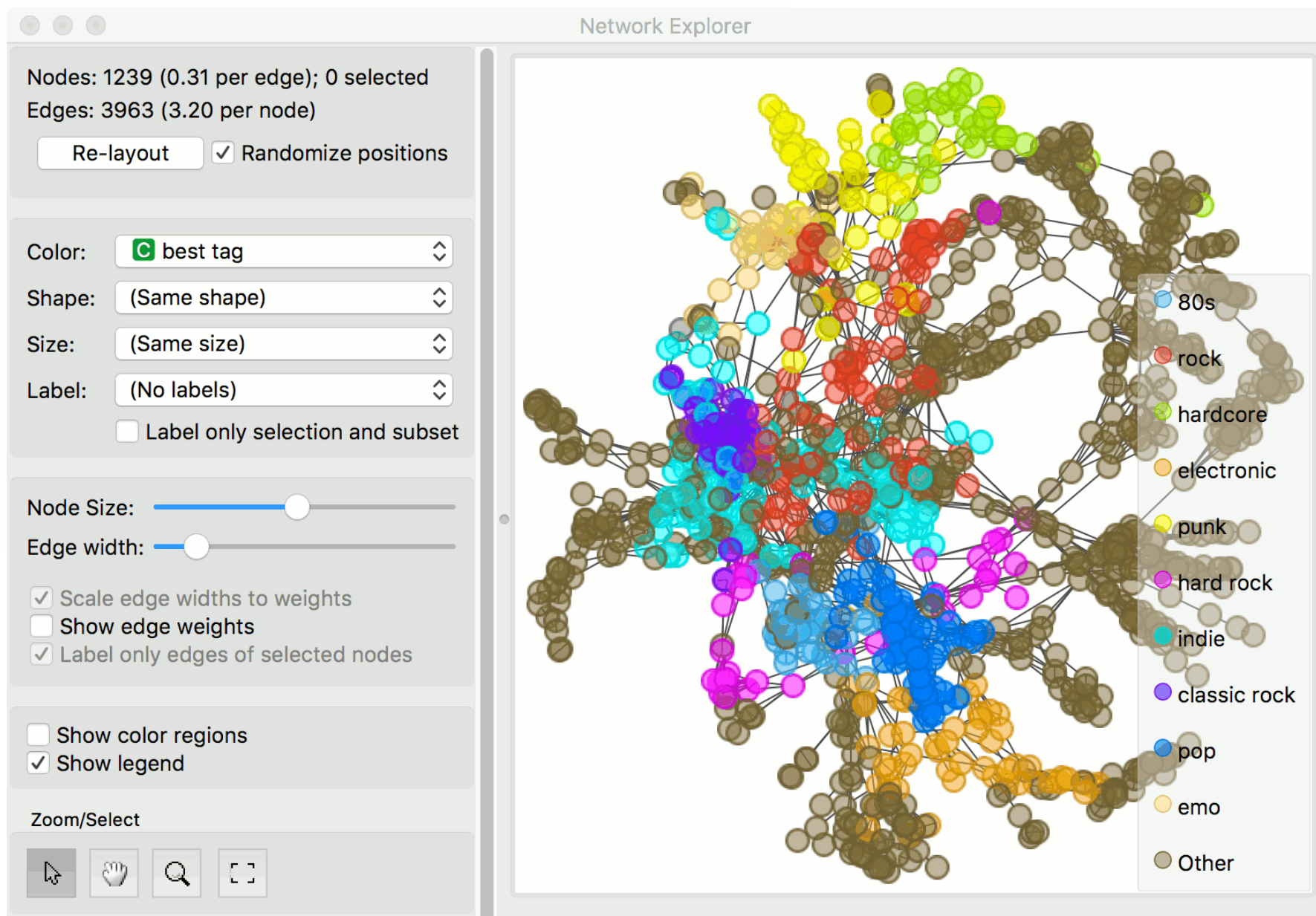
Network

Network File   Network Explorer

lastfm.net   Reload

? | → 1239 nodes, 3 ⋮ | ! Nodes annotated with data from file with the s

Network Explorer

Nodes: 1239 (0.31 per edge); 0 selected
Edges: 3963 (3.20 per node)

[Re-layout]   ☑ Randomize positions

Color: 🟢 best tag   ⇕
Shape: (Same shape)   ⇕
Size: (Same size)   ⇕
Label: (No labels)   ⇕
          ☐ Label only selection and subset

Node Size: ●━━━━━━━━━━━━━━
Edge width: ━●━━━━━━━━━━━━━

☑ Scale edge widths to weights
☐ Show edge weights
☑ Label only edges of selected nodes

☐ Show color regions
☑ Show legend

Zoom/Select

[⬈] [✋] [🔍] [⛶]

Legend:
- 🔵 80s
- 🔴 rock
- 🟢 hardcore
- 🟠 electronic
- 🟡 punk
- 🟣 hard rock
- 🔵 indie
- 🟣 classic rock
- 🔵 pop
- 🟡 emo
- ⚫ Other

☑ Send Automatically

(Select criteria for marking) ⇕