

Toolbars

BayesiaLab proposes several toolbars according to the mode in which the network is and also to the operations applied. The tools of the bar are valid or not according to the state of the graph window.

Commons

Network



 Create a new graph window

 Open a Bayesian network (in a new graph window)

 Save a graph

 Print a graph

Edit



 Cut (modeling mode)

 Copy

 Paste (a right-click before pasting allows specifying where to paste) (modeling mode)

 Undo the last possible action

 Redo the last undone action

 Find

View



 Zoom in

 Zoom out

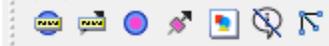
 Default zoom

 Resize and center the Bayesian network on the current window

 Rotate left the graph around the selected node or the center of the graph if there is no selected node

 Rotate right the graph around the selected node or the center of the graph if there is no selected node Display toolbar

Display



 Displays or hide the node comments Display or hide the arc comments

 Display or hide the arc comments

 Display or hide the color tags of nodes

 Display or hide the color tags of arcs

 Display or hide the images associated with the nodes

 Hide or display the comment indicators of nodes and arcs

 Display or hide the orientation of the arcs (validation mode)

Creation



- Selection mode
- Node creation mode (modeling mode)
- Constraint node creation mode (modeling mode)
- Utility node creation mode (modeling mode)
- Decision node creation mode (modeling mode)
- Arc creation mode (modeling mode)
- Deletion mode (modeling mode)

Monitors



- Zoom in monitors
- Zoom out monitors
- Default monitor zoom
- Remove all the observations
- Remove all the monitors
- Remove all probability shifts
- Referencing of the probability shifts
- Display the maximum probability shifts
- Add the current set of evidences to the current evidence scenario file

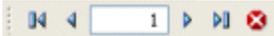
Inference

Adaptative questionnaire



- Reinitialize the entire observations
- Stop adaptative questionnaire

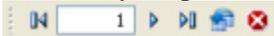
Interactive inference



- Go back to the first case of the database (index 0)
- Go back to the previous case
- Go to the next case
- Go up to the last case

- Stop the interactive inference

Interactive updating



- Go back to the first case of the database (index 0)
- Go back to the previous case
- Go to the next case
- Validate the current updating
- Stop the interactive updating

Analysis

Arc Force



◀ Go back to the previous threshold

▶ Go to the next threshold

Store the current arc forces in the arc comments

Stop the arc force analysis

Arc's mutual information



◀ Go back to the previous threshold

▶ Go to the next threshold

Store the current information in the arc comments

Stop the arc's mutual information analysis

Pearson's Correlation



◀ Go back to the previous threshold according to the selected correlation

▶ Go to the next threshold according to the selected correlation

Displays only arcs having a negative correlation greater than the given threshold in absolute value

Displays only arcs having a correlation greater than the given threshold in absolute value

Displays only arcs having a positive correlation greater than the given threshold

Store the current Pearson's correlations in the arc comments as well as the associated color

Stop the Pearson's correlation analysis

Node Force



◀ Go back to the previous threshold according to the selected force

▶ Go to the next threshold according to the selected force

Computes only the entering force of the nodes and displays if greater than the given threshold

Computes the global force of the nodes and displays if greater than the given threshold

Computes only the outgoing force of the nodes and displays if greater than the given threshold

Stop the node force analysis

Correlation with the target node



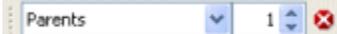
Stop the correlation with the target node analysis

Correlation with a state of the target



Stop the correlation with a state of the target node analysis

Neighborhood



Combo box to choose the kind of neighborhood Field to modify the neighborhood depth

Stop the neighborhood analysis

Most probable explanation



⊗ Stop the most probable explanation

Others

Temporal inference



⏮ Reinitialize the temporal variable to 0

▶ Increase the temporal variable by 1

📊 Display the graphic representing the evolution of the temporally spied nodes

Dynamic learning of policies



📄 Deactivate the exploration

📄 Activate the exploration (testing some random actions) during the temporal simulation

📄 No learning of the state/action qualities during the temporal simulation

📄 Learning of the state/action qualities during the temporal simulation

Variables Clustering



📄 Displays the current clustering as a dendrogram

📄 Validate the current clustering

⊗ Stop the variable clustering