GenIE



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GeNle

Build, learn and explore Bayesian networks and other probabilistic graphical models. GeNIe Academic runs under Windows and (with Wine) on macOS and Linux. Help file is included with the program, you can also use the PDF or HTML versions of the manual linked below.

User manual: PDF HTML

genie-academic-setup-4.1.3402-x86.exe

GeNIe Academic (32-bit) EXE installer Size: 19.8 MB, released on Oct 2, 2023

genie-academic-setup-4.1.3402-x86.msi

GeNIe Academic (32-bit) MSI installer Size: 21.4 MB, released on Oct 2, 2023





• Double click the node to change it

> Node p	roperties: Node	21			_		×
General	Definition Forma	at User properties					
<u>T</u> ype:	Chance - Ger	neral					
Identifier:	Node1						
<u>N</u> ame:	Node1						
<u>O</u> utcome	s: Identifiers		~				
Ordering:	(none)		~				
					ж	Cano	el

• Here you set the CPT



You can link multiple nodes with arc tool





Drag and drop



Now the state of B has a table you can populate that has a dependence on the state of A



To set evidence, right click node

))/	Jn	
	Node Properties Rename Change Type Marginalize Delete	>		
	Set Evidence	>	State0	
	Control Value Clear Evidence Set Target Clear Target	>	State1 Virtual Evidence	
	Sensitivity Tornado Layout View as Resize to Fit Text	>	MM	
-AC	Locate Parent Locate Child Show Connections Highlight Paths	>		
	Annotation		0-0 0-0	1 object selec

Calculating marginals

- Right click network -> update beliefs
- Right click node -> node properties ->value

