AIspace

Interactive Tools for Learning Artificial Intelligence

www.aispace.org

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Graph searching

Consistency for CSPs

SLS for CSPs

Deduction

Decision and belief networks

Decision trees

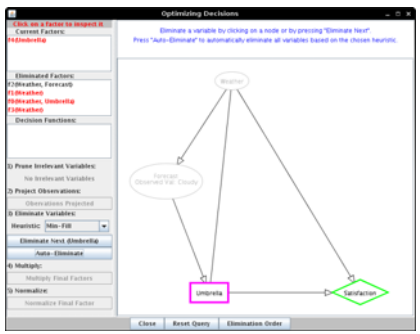
Neural networks

AIspace

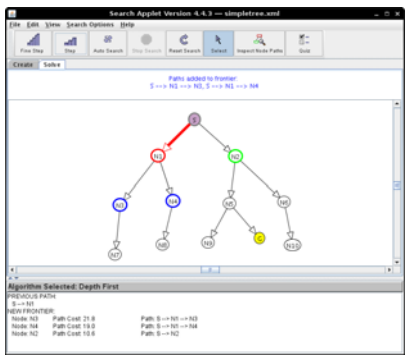
- is a collection of Java applets that are designed as tools for learning and exploring concepts in Artificial Intelligence.
- is an ongoing project, since 1999, at the Laboratory for Computational Intelligence at the University of British Columbia under the direction of Alan Mackworth and David Poole.
- has been used in undergraduate and graduate AI courses at UBC and elsewhere for many years.
- has been tested in formal laboratory user studies and fielded evaluations.
- was previously called CIspace.

The Website

- makes applets available for online usage or download.
- contains documentation, text and video tutorials on how to use the applets.
- allows users to submit feedback and receive support.



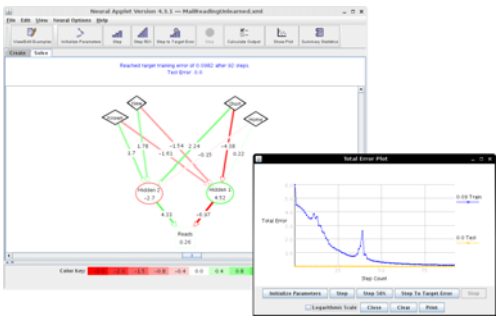
Belief and decision networks.



Graph searching.

The Tools

- are applets for graph searching, generalized arc consistency for CSPs, stochastic local search for CSPs, definite clause deduction, belief networks and decision networks, decision trees, and neural networks.
- use algorithm animation techniques to help students learn about principles that are otherwise hard to explain in static mediums.
- share similar interfaces to minimize the learning overhead.
- have author-customizable versions, useful for embedding within presentations and online tutorials.



Neural networks.

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References

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