
Copyright of the Causal Learner toolbox (version 1.0)

Causal Learner is a toolbox for developers and researchers to learn causal structure and Markov blanket (MB). As a toolbox, Causal Learner integrates a function for generating simulated Bayesian network data, a set of state-of-the-art global causal structure learning algorithms, a set of state-of-the-art local causal structure learning algorithms, a set of state-of-the-art MB learning algorithms, and abundant functions for algorithm evaluation. The data generation part of Causal Learner is written in R language, and the rest of Causal Learner is written in MATLAB. Causal Learner is is an open-source version of the will-known causality learning toolbox Causal Explorer, which makes research efforts on causal structure learning and MB learning much easier. The project Causal Learner is available at https://github.com/z-dragonl/Causal-Learner.

Copyrights of incorporated software

The toolbox includes the source codes developed by other scholars used as shown below.

1. The source codes of the MMHC algorithm in the Probabilistic Graphical Model toolobox
Copyright © Ioannis Tsamardinos
Code link: http://mensxmachina.org/en/software/probabilistic-graphical-model-toolbox/

2. The source codes of the GES algorithm.
Copyright © Biwei Huang
Code link: https://github.com/Biwei-Huang/Generalized-Score-Functions-for-Causal-Discovery

3. Abundant functions from Bayes Net Toolbox
Copyright © Kevin Murphy
Code link: https://www.cs.utah.edu/~tch/notes/matlab/bnt/docs/bnt_pre_sf.html