
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 an open-source version of the well-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>.

Copyright © 2020 Zhaolong Ling, Kui Yu, Hao Wang, Yiwen Zhang, Lin Liu, Jiuyong Li

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <<http://www.gnu.org/licenses/>>.

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 toolbox

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