This is a brief description of program of ECD that proposed in the manuscript entitled "Causal Discovery on Discrete Data via Weighted Normalized Wasserstein Distance". This manuscript has been submitted to IEEE Transactions on Neural Networks and Learning Systems, and is under review.

There are two main code files:

Experiments.m - the code for estimating the causal direction from observational data.

ECD.m - the code of algorithms proposed in this manuscript.

Author: Yi Wei (School of Mathematics and Computer Science, Wuyi University, Fujian, China)

Email: [wyqbits@sina.com](mailto:wyqbits@sina.com)