Example code for the simulation of "Distribution Free Domain Generalization" submitted to ICML 2023

The final release version will be available if accepted

Simple Usage:

Unzip the code.zip file

Run Main.m in MATLAB console

Data Settings:

The basic settings are in “data\_settings\_4domains.xlsx”, which lists the Gaussian distribution centers for the four domains and the three classes and two different sets of standard deviation settings.

“base\_samples\_size = 200;” means that the total number of samples for a domain is 600. The number of samples for different classes in the same domain is determined by the prior distribution.

“prior\_set = 'aaaa';” indicates that the four domains are set with prior distributions of 'a', 'b', 'c', 'd', where 'a' is the balanced sample and the meaning of the different letters can be seen in “data\_generate.m”.

“sigma\_set = [1, 1, 1, 1];” indicates that the first standard deviation setting is used for all four domains of data.