Readme file of R code and datasets for "Principal stratification analysis using principal scores" by Peng Ding and Jiannan Lu

Description

This folder contains contains several R code files for implementing the approaches proposed in the paper "Principal stratification analysis using principal scores" by Ding and Lu, and the two data sets from the empirical applications of the paper.

Authors

Peng Ding

E-mail: pengdingpku@gmail.com

Jiannan Lu

E-mail: loojiannan@gmail.com

R Code Files

`PS_SM_weighting.R`	Algorithm under Strong Monotonicity, with sensitivity analysis for PI
`PS_M_weighting.R`	Algorithm under Monotonicity, with sensitivity analysis for GPI
`PS_M_weighting_SA.R`	Sensitivity analysis algorithm for Monotonicity
`flu.R`	R code for the flu shot encouragement experiment in Section 8.1
`swog.R`	R code for the SWOG experiment in Section 8.2

Datasets

`fludata.txt`

`swogdata.txt`