Nonparametric interaction selection and screening

Yushen Dong

University of Illinois at Chicago
E-mail: ydong37@uic.edu

Abstract: Variable selection has been well studied in the recent literature due to the surge of enormous high dimensional data. Interaction between predictors are commonly expected to exist in all kinds of real applications. Recently some parametric interaction selection methods have been proposed. In this talk, we will present a new method to perform nonparametric interaction selection and screening.