

広島統計談話会
Hiroshima Statistics Study Group

第 301 回談話会を下記のように開催致しますので
御参集下さいますようご案内申し上げます。

You are cordially invited to the 301st meeting as scheduled below.

日 時 : 2016 年 11 月 25 日 (金) 15:00 –
Date : November 25, 2016 (Fri) 15:00 –
場 所 : 放射線影響研究所 講堂
Place : RERF Auditorium
演 者 : 森川 耕輔 氏 (大阪大学大学院 基礎工学研究科 博士課程学生)
Speaker : Mr. Kosuke Morikawa
Graduate Student, Graduate School of Engineering Science, Osaka University
演 題 : 「無視不可能な無回答データに対するセミパラメトリック適応的推定量に
ついて」
Title : “Semiparametric Adaptive Estimation With Nonignorable Nonresponse Data”

要 約 :

Summary:

When the response mechanism is believed to be nonignorable or not missing at random (NMAR), valid analysis for such data requires stronger assumptions than standard statistical methods. In this talk, we propose an optimal scheme for estimating mean of a response variable under nonignorable nonresponse and propose two (semiparametric) adaptive estimators by putting a parametric model only on response mechanism. Furthermore, the proposed estimators attain the semiparametric lower bound derived in a class of regular and asymptotically linear (RAL) estimators. Some previous methods for nonignorable nonresponse data are also introduced and compared with ours in a numerical experiment.