

Adaptive Estimation In Weighted Group Testing

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estimation scenario does therefore fall under our weighted group testing model, and can bene fit from the techniques we develop. Organization: In Section II, we formally de fine the setting of " weighted group testing " that we shall work in. In Section V, we describe and analyze an (adaptive) algorithm for this generalization of group testing.

Adaptive Estimation in Weighted Group Testing

Adaptive estimation in weighted group testing Abstract: We consider a generalization of the problem of estimating the support size of a hidden subset S of a universe U from samples. This framework falls under the group testing [1] and the conditional sampling models [2, 3].

Adaptive estimation in weighted group testing—IEEE ...

weighted group testing problem in both the non-adaptive and. we settle a related open problem of theirs, proving tight lower bounds on support size estimation with non-adaptive queries. View ...

(PDF) Adaptive Estimation in Weighted Group Testing

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Read PDF Adaptive Estimation In Weighted Group Testing options to review. Adaptive Estimation In Weighted Group Testing IPTW-RA is a regression model weighted by the inverse probability of treatment, whereas AIPTW is a 2-step procedure with 2 estimating equations for the treatment and mean outcome, respectively. For

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A scale-adaptive method is proposed to deal with the multiscale problem in mixed geographically weighted regression models. The method can improve the estimation accuracy of the spatially varying coefficients. It can also provide valuable scale information for the explanatory variables.

Scale-adaptive estimation of mixed geographically weighted ...

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Adaptive Estimation In Weighted Group Testing

RLS-weighted Lasso for adaptive estimation of sparse signals Abstract: The batch least-absolute shrinkage and selection operator (Lasso) has well-documented merits for estimating sparse signals of interest emerging in various applications, where observations adhere to parsimonious linear regression models.

RLS-weighted Lasso for adaptive estimation of sparse ...

In addition, to achieve a robust estimation against outliers in both covariates and responses, combining the excellent properties of weighted least absolute deviation (WLAD) and least squares, we propose an adjusted WLAD (AWLAD) regression estimator with the adaptive group bridge penalty.

Group selection via adjusted weighted least absolute ...

model adaptive estimator is presented that can be used to estimate the unknown noise statistics in fi lter designs. The assumed unknowns in the adaptive estimator are the process noise covariance elements. Parameter elements generated from a quasi-random sequence are used to drive multiple-model parallel fi lters for state estimation.

Generalized Multiple-Model Adaptive Estimation Using an ...

Summary: Searching for an effective dimension reduction space is an important problem in regression, especially for high dimensional data. We propose an adaptive approach based on semiparametric models, which we call the (conditional) minimum average variance estimation (MAVE) method, within quite a general setting.

An adaptive estimation of dimension reduction space—Xie ...

The relative bias using an adaptive approach based on AIC-BIC for AIPTW estimation under difficult scenarios increases with a larger sample size (from 1,000 to 10,000 in our simulation setting). Hence, using AIC-BIC for the AIPTW estimator might not be a good option when there is a strong suspicion of model misspecification and near-violation ...

Data-Adaptive Estimation for Double-Robust Methods in ...

RLS-weighted Lasso for adaptive estimation of sparse signals. In 2009 IEEE International Conference on Acoustics, Speech, and Signal Processing - Proceedings, ICASSP 2009 (pp. 3245-3248). [4960316] (ICASSP, IEEE International Conference on Acoustics, Speech and Signal Processing - Proceedings).

RLS-weighted Lasso for adaptive estimation of sparse ...

Supplement to " Adaptively weighted group Lasso for semiparametric quantile regression models " . The supplementary material contains some details on the additive models, additional technical results for Theorems 1 and 2, an introduction to the properties of B-spline bases, and a real data analysis.

Honda , Ing , Wu - Adaptively weighted group Lasso for ...

Group sequential, sample size re estimation and two stage adaptive designs in clinical trials: a comparison ... Methods for flexible sample-size design in clinical trials: Likelihood, weighted, dual test, and promising zone approaches ... Lon S. Schneider, Effect of sample size re estimation in adaptive clinical trials for Alzheimer's ...

Group sequential, sample size re estimation and two stage ...

Current status data arises when a continuous response is reduced to an indicator of whether the response is greater or less than a random threshold value. In this article we consider adaptive penalized M-estimators (including the penalized least squares estimators and the penalized maximum likelihood estimators) for nonparametric and semiparametric models with current status data, under the ...

Adaptive penalized M-estimation with current status data ...

Adaptive Variance Based Label Distribution Learning For Facial Age Estimation Xin Wen 1,2, Biyang Li, Haiyun Guo 3, Zhiwei Liu , Guosheng Hu5, Ming Tang 1, and Jinqiao Wang2 4 1 National Laboratory of Pattern Recognition, Institute of Automation, Chinese Academy of Sciences, Beijing, China 2 School of Arti cial Intelligence, University of Chinese Academy of Sciences,

Adaptive Variance Based Label Distribution Learning For ...

We can summarize four bootstrap scenarios from the analysis in Sections 4 and 5: (i) the SQR estimator with the weighted bootstrap, (ii) the IPW estimator with either the weighted or covariate adaptive bootstrap, (iii) the SQR estimator with the covariate adaptive bootstrap when the assignment rule achieves strong balance, and (iv) the SQR estimator with the covariate adaptive bootstrap when the assignment rule does not achieve strong balance.