

STATISTICAL SCIENCE

Volume 32, Number 3

August 2017

A Paradox from Randomization-Based Causal Inference	Peng Ding	331
Understanding Ding's Apparent Paradox.....	Peter M. Aronow and Molly R. Offer-Westort	346
Randomization-Based Tests for "No Treatment Effects"	EunYi Chung	349
Inference from Randomized (Factorial) Experiments	R. A. Bailey	352
An Apparent Paradox Explained	Wen Wei Loh, Thomas S. Richardson and James M. Robins	356
Rejoinder: A Paradox from Randomization-Based Causal Inference.....	Peng Ding	362
Logistic Regression: From Art to Science.....	Dimitris Bertsimas and Angela King	367
Principles of Experimental Design for Big Data Analysis	Christopher C. Drovandi, Christopher C. Holmes, James M. McGree, Kerrie Mengerson, Sylvia Richardson and Elizabeth G. Ryan	385
Importance Sampling: Intrinsic Dimension and Computational Cost	S. Agapiou, O. Papaspiliopoulos, D. Sanz-Alonso and A. M. Stuart	405
Estimation of Causal Effects with Multiple Treatments: A Review and New Ideas	Michael J. Lopez and Roee Gutman	432
On the Choice of Difference Sequence in a Unified Framework for Variance Estimation in Nonparametric Regression.....	Wenlin Dai, Tiejun Tong and Lixing Zhu	455
Models for the Assessment of Treatment Improvement: The Ideal and the Feasible	P. C. Álvarez-Esteban, E. del Barrio, J. A. Cuesta-Albertos and C. Matrán	469

Statistical Science [ISSN 0883-4237 (print); ISSN 2168-8745 (online)], Volume 32, Number 3, August 2017. Published quarterly by the Institute of Mathematical Statistics, 3163 Somerset Drive, Cleveland, OH 44122, USA. Periodicals postage paid at Cleveland, Ohio and at additional mailing offices.

POSTMASTER: Send address changes to *Statistical Science*, Institute of Mathematical Statistics, Dues and Subscriptions Office, 9650 Rockville Pike—Suite L2310, Bethesda, MD 20814-3998, USA.

Copyright © 2017 by the Institute of Mathematical Statistics
Printed in the United States of America