

Empirical Likelihood Methods in Biomedicine and Health

Albert Vexler

The State University of New York, Buffalo, USA

Jihnhee Yu

The State University of New York, Buffalo, USA

Empirical Likelihood Methods in Biomedicine and Health provides a compendium of nonparametric likelihood statistical techniques in the perspective of health research applications. It includes detailed descriptions of the theoretical underpinnings of recently developed empirical likelihood-based methods.

KEY FEATURES

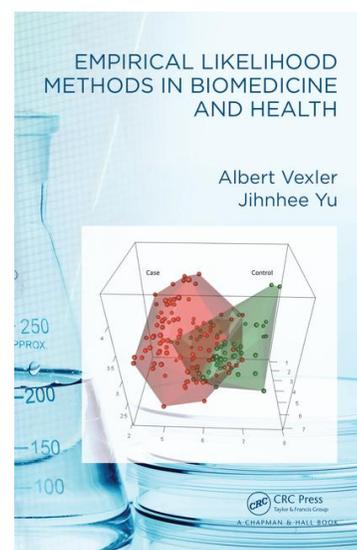
- Provides a systematic overview of novel empirical likelihood techniques.
- Presents a good balance of theory, methods, and applications.
- Features detailed worked examples to illustrate the application of the methods.
- Includes R code for implementation.

SELECTED CONTENTS

Chapter 1 Preliminaries. Chapter 2 Basic Ingredients of the Empirical Likelihood. Chapter 3 EL Applying to Bayesian Paradigm. Chapter 4 EL for probability weighted moments. Chapter 5 Two group comparison and combining likelihoods for the incomplete data. Chapter 6. Quantile Comparisons. Chapter 7. Empirical Likelihood for a U-Statistic Constraint. Chapter 8. EL Application to Receiver Operating Characteristic Curve analysis. Chapter 9 Various topics

SAVE 20% when you order online and enter Promo Code **FMQ13**

FREE standard shipping when you order online.



Catalog no. K15347

August 2018, 300 pp.

ISBN: 978-1-4665-5503-7

\$99.95 / £77.00

www.crcpress.com

e-mail: orders@crcpress.com

1-800-634-7064 • 1-561-994-0555 • +44 (0) 1235 400 524



CRC Press
Taylor & Francis Group

Statistics

Empirical Likelihood Methods in Biomedicine and Health provides a compendium of nonparametric likelihood statistical techniques in the perspective of health research applications. It includes detailed descriptions of the theoretical underpinnings of recently developed empirical likelihood-based methods. The emphasis throughout is on the application of the methods to the health sciences, with worked examples using real data.

Features

- Provides a systematic overview of novel empirical likelihood techniques
- Presents a good balance of theory, methods, and applications
- Offers detailed worked examples to illustrate the application of the methods
- Includes R code for implementation

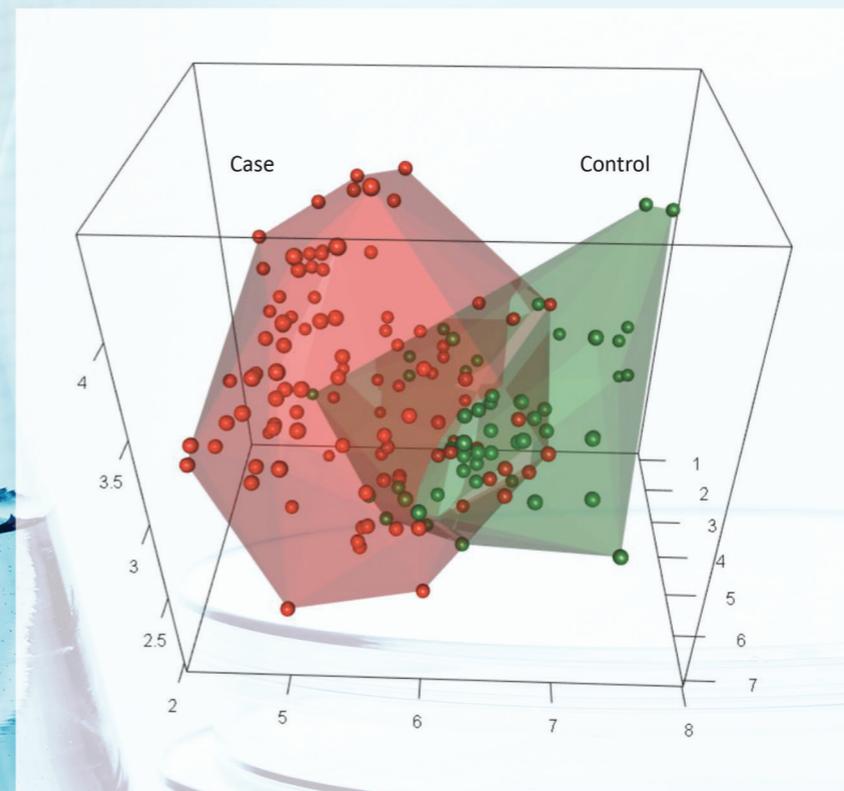
The book material is attractive and easily understandable to scientists who are new to the research area and may attract statisticians interested in learning more about advanced nonparametric topics including various modern empirical likelihood methods. The book can be used by graduate students majoring in biostatistics or in a related field, particularly for those who are interested in nonparametric methods with direct applications in biomedicine.

EMPIRICAL LIKELIHOOD METHODS
IN BIOMEDICINE AND HEALTH

Vexler • Yu

EMPIRICAL LIKELIHOOD METHODS IN BIOMEDICINE AND HEALTH

Albert Vexler
Jihnhee Yu



CRC CRC Press
Taylor & Francis Group
an informa business
www.crcpress.com

6000 Broken Sound Parkway, NW
Suite 300, Boca Raton, FL 33487
711 Third Avenue
New York, NY 10017
2 Park Square, Milton Park
Abingdon, Oxon OX14 4RN, UK

K15347
ISBN: 978-1-4665-5503-7
90000
9 781466 555037
www.crcpress.com

CRC

CRC CRC Press
Taylor & Francis Group
A CHAPMAN & HALL BOOK