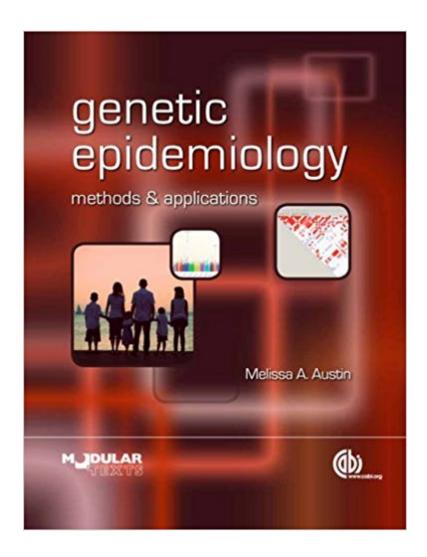


## The book was found

# Genetic Epidemiology: Methods And Applications (Modular Texts Series)





## Synopsis

Genetic epidemiology plays a key role in discovering genetic factors influencing health and disease, and in understanding how genes and environmental risk factors interact. There is growing interest in this field within public health, with the goal of translating the results into promoting health and preventing disease in both families and populations. This textbook provides graduate students with a working knowledge of genetic epidemiology research methods. Following an overview of the field, the book reviews key genetic concepts, provides an update on relevant genomic technology, including genome-wide chips and DNA sequencing, and describes methods for assessing the magnitude of genetic influences on diseases and risk factors. The book focuses on research study designs for discovering disease susceptibility genes, including family-based linkage analysis, candidate gene and genome-side association studies, assessing gene-environment interactions and epistasis, studies of Non-Mendelian inheritance, and statistical analyses of data from these studies. Specific applications of each research method are illustrated using a variety of diseases and risk factors relevant to public health, and useful web-based genetic analysis software, human reference panels, and repositories, that can greatly facilitate this work, are described. Concluding with a review of ethical issues and a framework for translating human genomics research to clinical practice and public health benefit, this textbook is an essential new resource for graduate students in epidemiology and public health genetics.

### **Book Information**

Series: Modular Texts Series

Paperback: 192 pages

Publisher: CABI; 1 edition (August 1, 2013)

Language: English

ISBN-10: 1780641818

ISBN-13: 978-1780641812

Product Dimensions: 7.4 x 0.6 x 9.6 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #515,991 in Books (See Top 100 in Books) #147 in Books > Textbooks > Medicine & Health Sciences > Medicine > Basic Sciences > Genetics #308 in Books > Textbooks

> Medicine & Health Sciences > Medicine > Clinical > Diseases #319 in Books > Textbooks >

Medicine & Health Sciences > Research > Epidemiology

### Customer Reviews

Melissa A. Austin teaches at the University of Washington.

Download to continue reading...

Genetic Epidemiology: Methods and Applications (Modular Texts Series) Communicable Disease Epidemiology and Control: A Global Perspective (Modular Texts) Geometric Origami Kit: The Art of Modular Paper Sculpture: This Kit Contains an Origami Book with 48 Modular Origami Papers and an Instructional DVD Research Methods in Occupational Epidemiology (Monographs in Epidemiology and Biostatistics) Anesthesia for Genetic, Metabolic, and Dysmorphic Syndromes of Childhood (Baum, Anesthesia for Genetic, Metabolic, and Dysmorphic Syndromes of Childhood) Principles of Tropical Horticulture (Modular Texts Series) Beef Cattle Production Systems (Modular Texts Series) Communicable Diseases: A Global Perspective (Modular Texts Series) Meat Science: An Introductory Text (Modular Texts Series) Epidemiology and Prevention of Vaccine-Preventable Diseases (CDC, Epidemiology and Prevention of Vaccine-Preventable Diseases) Clinical Epidemiology: Principles, Methods, and Applications for Clinical Research Jekel's Epidemiology, Biostatistics, Preventive Medicine, and Public Health: With STUDENT CONSULT Online Access, 4e (Jekel's Epidemiology, Biostatistics, Preventive Medicine, Public Health) Nutritional Epidemiology (Monographs in Epidemiology and Biostatistics) Epidemiology Kept Simple: An Introduction to Traditional and Modern Epidemiology Hospital Epidemiology and Infection Control (HOSPITAL EPIDEMIOLOGY & INFECTION CONTROL (MAYHALL)) Books of Breathing and Related Texts -Late Egyptian Religious Texts in the British Museum Vol.1 (Catalogue of the Books of the Dead and Other Religious Texts in the British Museum) Epidemiology: with STUDENT CONSULT Online Access, 5e (Gordis, Epidemiology) Epidemiology For Public Health Practice (Friis, Epidemiology for Public Health Practice) Epidemiology E-Book (Gordis, Epidemiology) Introduction to Elliptic Curves and Modular Forms (Graduate Texts in Mathematics)

Contact Us

DMCA

Privacy

FAO & Help