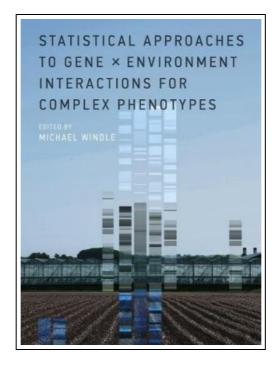
Statistical Approaches to Gene x Environment Interactions for Complex Phenotypes (Hardback)



Filesize: 5.46 MB

Reviews

Basically no words to clarify. Of course, it is perform, still an amazing and interesting literature. Its been printed in an exceptionally basic way which is only soon after i finished reading through this ebook where actually altered me, change the way i really believe.

(Newton Runolfsson)

STATISTICAL APPROACHES TO GENE X ENVIRONMENT INTERACTIONS FOR COMPLEX PHENOTYPES (HARDBACK)



MIT Press Ltd, United States, 2016. Hardback. Condition: New. Language: English. Brand new Book. Diverse methodological and statistical approaches for investigating the role of gene-environment interactions in a range of complex diseases and traits. Findings from the Human Genome Project and from Genome-Wide Association (GWA) studies indicate that many diseases and traits manifest a more complex genomic pattern than previously assumed. These findings, and advances in high-throughput sequencing, suggest that there are many sources of influence-genetic, epigenetic, and environmental. This volume investigates the role of the interactions of genes and environment (G x E) in diseases and traits (referred to by the contributors as complex phenotypes) including depression, diabetes, obesity, and substance use. The contributors first present different statistical approaches or strategies to address G x E and G x G interactions with high-throughput sequenced data, including two-stage procedures to identify G x E and G x G interactions, marker-set approaches to assessing interactions at the gene level, and the use of a partial-least square (PLS) approach. The contributors then turn to specific complex phenotypes, research designs, or combined methods that may advance the study of G x E interactions, considering such topics as randomized clinical trials in obesity research, longitudinal research designs and statistical models, and the development of polygenic scores to investigate G x E interactions. Contributors Fatima Umber Ahmed, Yin-Hsiu Chen, James Y. Dai, Caroline Y. Doyle, Zihuai He, Li Hsu, Shuo Jiao, Erin Loraine Kinnally, Yi-An Ko, Charles Kooperberg, Seunggeun Lee, Arnab Maity, Jeanne M. McCaffery, Bhramar Mukherjee, Sung Kyun Park, Duncan C. Thomas, Alexandre Todorov, Jung-Ying Tzeng, Tao Wang, Michael Windle, Min Zhang.



Read Statistical Approaches to Gene x Environment Interactions for Complex Phenotypes (Hardback) Online

Download PDF Statistical Approaches to Gene x Environment Interactions for Complex Phenotypes (Hardback)

Other PDFs



Negotiating with Backbone: Eight Sales Strategies to Defend Your Price and Value (Hardback)

Pearson Education (US), United States, 2015. Hardback. Condition: New. 2nd edition. Language: English. Brand new Book. B2B sales professionals: resist mindless discounting, level the playing field against tough procurement organizations, and close the deal on...

Save Document

»



The Marine Sniping Handbook - Remastered: Completely Overhauled, New & Improved - Full Size Edition - Master the Art of Long-Range Combat Shooting, from Beginner to Expert Sniper (McTp 3-01e / McWp 3-15.3

Independently Published, United States, 2019. Paperback. Condition: New. Carlile Media (illustrator). Language: English. Brand new Book. REMASTERED EDITION: COMPLETELY OVERHAULED, NEW & IMPROVED - RE-ILLUSTRATED AND DIGITIZED FOR THE 21ST-CENTURY WARRIOR MARKSMANThe USMC's remarkable scout-sniping...

Save Document

..



How to Be a Man (Hardback)

HarperCollins Publishers, United Kingdom, 2018. Hardback. Condition: New. Language: English. Brand new Book. Are men supposed to be fighters? Lovers? Hunter-gatherers? Fashionistas? Business gurus? Culinary experts? You're wrong if you think one man can't be...

Save Document

»



Hacks for Minecrafters: Combat Edition: The Unofficial Guide to Tips and Tricks That Other Guides Won't Teach You (Hardback)

Skyhorse Publishing, United States, 2014. Hardback. Condition: New. Language: English. Brand new Book. From the author of Hacks for Minecrafters and Hacks for Minecrafters: Master Builder comes the most encompassing guide ever to combat in...

Save Document

»



How to Survive a Zombie Attack (Hardback)

QEB Publishing, United States, 2018. Hardback. Condition: New. Chris King, Butcher Billy (illustrator). Language: English. Brand new Book. The only book on the market telling the truth about monsters and how to fight them, this...

Save Document

»