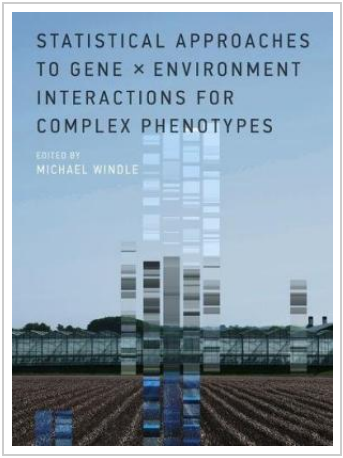

Statistical Approaches to Gene x Environment Interactions for Complex Phenotypes (Hardback)

By -

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...

Reviews

Certainly, this is actually the very best job by any author. It really is rally exciting throgh studying time. You may like how the blogger write this pdf.
-- ***Rudolph Jones MD***

Completely essential go through ebook. I was able to comprehended almost everything using this created e pdf. You will not sense monotony at anytime of your time (that's what catalogs are for relating to if you request me).
-- ***Timmothy Schulist***