

1. Record Nr.	UNINA9910484627203321
Autore	Gordon Derek
Titolo	Heterogeneity in statistical genetics : how to assess, address, and account for mixtures in association studies / / Derek Gordon, Stephen J. Finch, Wonkuk Kim
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2020] Â©2020
ISBN	3-030-61121-3
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XX, 352 p. 41 illus., 26 illus. in color.)
Collana	Statistics for Biology and Health, , 1431-8776
Disciplina	572.80727
Soggetti	Statistics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Introduction to heterogeneity in statistical genetics -- 2. Overview of genomic heterogeneity in statistical genetics -- 3. Phenotypic heterogeneity -- 4. Association tests allowing for heterogeneity -- 5. Designing genetic linkage and association studies that maintain desired statistical power in the presence of mixtures -- 6. Threshold-selected quantitative trait loci and pleiotropy -- Index.
Sommario/riassunto	Heterogeneity, or mixtures, are ubiquitous in genetics. Even for data as simple as mono-genic diseases, populations are a mixture of affected and unaffected individuals. Still, most statistical genetic association analyses, designed to map genes for diseases and other genetic traits, ignore this phenomenon. In this book, we document methods that incorporate heterogeneity into the design and analysis of genetic and genomic association data. Among the key qualities of our developed statistics is that they include mixture parameters as part of the statistic, a unique component for tests of association. A critical feature of this work is the inclusion of at least one heterogeneity parameter when performing statistical power and sample size calculations for tests of genetic association. We anticipate that this book will be useful to researchers who want to estimate heterogeneity in their data, develop or apply genetic association statistics where heterogeneity exists, and accurately evaluate statistical power and sample size for genetic association through the application of robust experimental

design.

2. Record Nr.	UNISALENTO991001311209707536
Autore	Muro, Tatsuro, 1940-
Titolo	Terramechanics : land locomotion mechanics / Tatsuro Muro and Jonathan O'Brien
Pubbl/distr/stampa	Lisse [Netherlands] ; Exton, PA : A.A. Balkema Publishers, 2004
ISBN	905809572X
Descrizione fisica	xi, 277 p. 25 cm
Altri autori (Persone)	O'Brien, Jonathan, 1943-author
Disciplina	629.22
Soggetti	Off-road vehicles - Dynamics Earthmoving machinery Soil mechanics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index