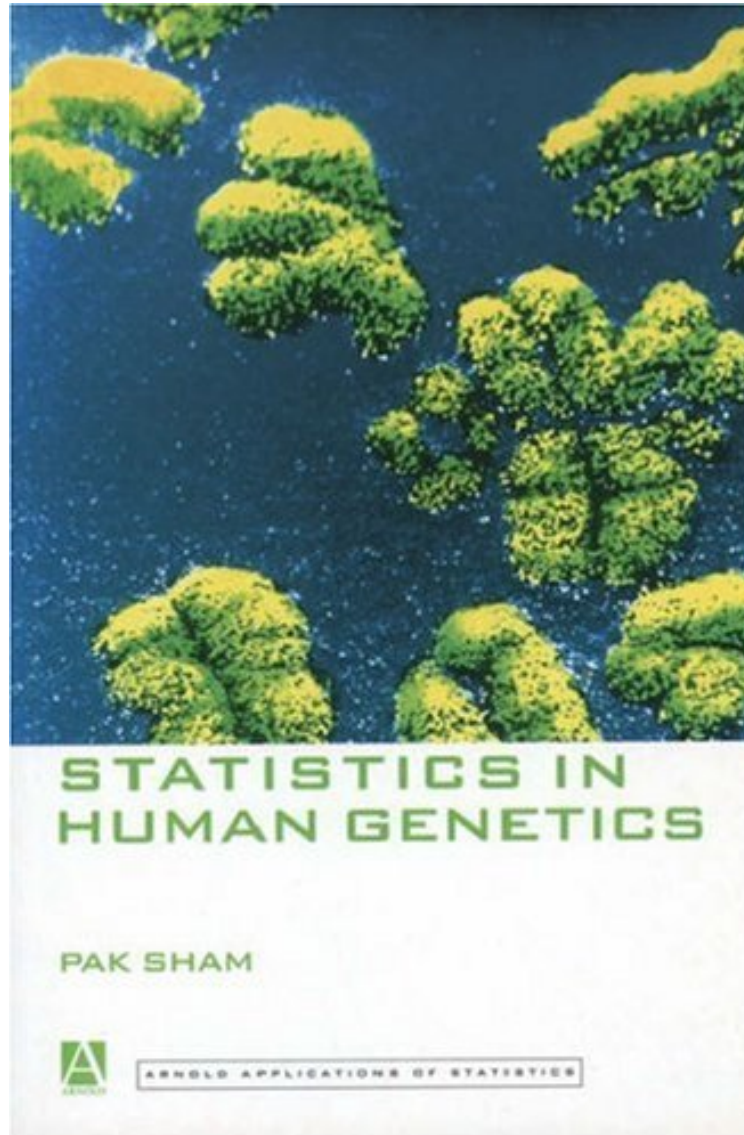


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Statistics in Human Genetics (Arnold Applications of Statistics Series)

Pak Sham

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Pak Sham : Statistics in Human Genetics (Arnold Applications of Statistics Series) before purchasing it in order to gage whether or not it would be worth my time, and all praised Statistics in Human Genetics (Arnold Applications of Statistics Series):

0 of 0 people found the following review helpful. Fantastic Book!By GenEpiGirlThis book is a fantastic introduction to and reference to stats in genetics (I bought it for a genetic epidemiology course). Sham works through the concepts

with enough detail that you aren't wondering what is going on, but so that you aren't bored either. The explanations are clear, the writing is excellent and the organization of the book can't be beat. Highly recommended. 0 of 0 people found the following review helpful. statistics in genetics: good topic By Didier Jambou Few books available on the subject; so welcome. Exhaustivity. Perhaps a little confidential, devoted to specialists ? Book well presented and built 2 of 2 people found the following review helpful. Good book but Don't deserve! By Zen This is a good book on the state-of-art Human Genetics Statistics. However, first, the organization of the topics is not that systematical and is a bit chaotic, especially section on association analysis. The author just simply puts everything together without a clear connection among each part. Sometimes (actually most), the language is confusing. Large paragraphs were used try to clarify an issue, but appear to be the opposite to what one wishes. On the other hand, unfortunately, there are a lot a lot of TYPOs in the book! My comment is: Don't deserve the price (actually it's going up!!!) and don't deserve a 'Bible' in the field!

This is one of the first introductions to the sophisticated statistical methods that play a key role in research on human genetics. Topics include the estimation of allele frequencies, the testing for Hardy-Weinberg equilibrium, classical and complex segregation analysis, linkage analysis for Mendelian and complex diseases and quantitative traits, the detection of allelic associations, the estimation of heritability for multifactorial traits and path analysis.

... an extremely valuable introduction...invaluable to new researchers in human disease genetics.. -- The Statistician, No. 47, 1998 From the Back Cover In human genetic research sophisticated statistical methods are increasingly being used to analyse results. Until now there has been no book to introduce and explain these methods. The methods are based on both biology and statistics and are likely to contribute to major scientific and medical advances in the next century. Topics include the estimation of allele frequencies, the testing for Hardy-Weinberg equilibrium, classical and complex segregation analysis, linkage analysis for Mendelian and complex diseases and quantitative traits, the detection of allelic associations, the estimation of heritability for multifactorial traits and path analysis. An understanding of elementary statistical concepts is assumed, but the objectives, principles and limitations of the methods are discussed in detail. About the Author Pak Sham is at Institute of Psychiatry, London.