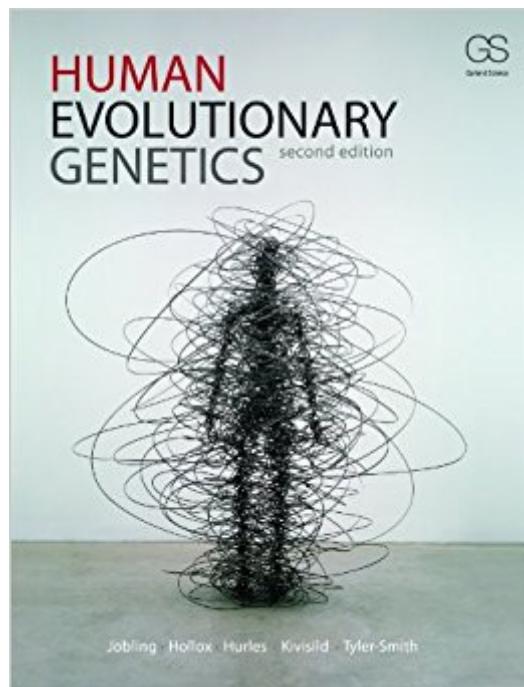


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Human Evolutionary Genetics, Second Edition



Synopsis

Now in full-color, the Second Edition of Human Evolutionary Genetics has been completely revised to cover the rapid advances in the field since publication of the highly regarded First Edition. Written for upper-level undergraduate and graduate students, it is the only textbook to integrate genetic, archaeological, and linguistic perspectives on human evolution, and to offer a genomic perspective, reflecting the shift from studies of specific regions of the genome towards comprehensive genomewide analyses of human genetic diversity. Human Evolutionary Genetics is suitable for courses in Genetics, Evolution, and Anthropology. Those readers with a background in anthropology will find that the streamlined genetic analysis material contained in the Second Edition is more accessible. The new edition also integrates new technologies (including next-generation sequencing and genome-wide SNP typing) and new data analysis methods, including recent data on ancient genomes and their impact on our understanding of human evolution. The book also examines the subject of personal genomics and its implications.

Book Information

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Customer Reviews

I purchased this book for a Molecular Anthropology class and read it cover to cover. The book is well written and well structured. Ultimately, the best part is that the authors use data from the most recent publications and they include information on the most recent sequencing technology. This would be a great book for someone that needs an introduction to human genetics, genotyping methods/technology, and evolution. I would recommend this book to anyone who has an interest in human evolution, population genetics, or anthropology.

We use this text in my graduate class for anthropological genetics. It's really comprehensive and can be understood by someone like me . . . who does not specialize in genetics but has my basic bio knowledge to rely on. I like this book and will use it for reference in the future--so perhaps buy it and not just rent/borrow if you will go into any related field.

A good example of bad writing! The information may be fine but the book reads as if it were attempting to be really "scientific." Let me explain. First, I will say that I am comparing this to two recent books on my current reading shelf: The Essential Biology of the Cell (Alberts et al) and Weinberg's the Biology of Cancer. Both are well written indeed. This book produces entirely too many sentences like this: "In answering this question we can compare ourselves with other living nonhuman primates, or attempt to draw upon the increasingly detailed fossil record of the hominids, to discern not only the strictly human versus general hominin-specific changes (Figure 8.1c) but also the tempo and pattern of change (Figure 8.1b)." (p. 258) Can this be decoded? Yes. Is it more work than seems justified by the content? Yes. I admit to some bias here. I was educated in the humanities. I therefore asked my husband, who is a working scientist, to check my impression. His take? "Well, it is a shame it is so badly written, as the information looks very interesting. It feels sort of regurgitated, not properly digested." He also commented that, in fairness, he reads a lot of articles (including some he writes) that read just as badly. One of the issues is the current tendency to put all the real information in the figures, or slides, or some form of graphic medium. The text itself is marginal. All well and good for a lecture presentation in which the slides can then be discussed and questions can be asked. This, however, is a book and should at least attempt to be readable as a book. It can be done. See especially Weinberg, above.

Actually readable. Some of these biology textbooks are bit too technical for a humble archaeologist, but the authors here are actually understandable. Very well organized.

The best intro to human/pop gen text hands down. As current as it gets. Includes useful links and vexing questions. Chapter summaries are particularly insightful.

Good introduction to genetics. Easy to read and easy to follow.

I had to buy this as a textbook for a molecular anthropology class. It's hard to read without prior knowledge of the subject.

I need to read this more.

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