Genetic Data Analysis II. By BRUCE S. WEIR, *Sunderland, Massachusetts*. Sinauer Associates, Inc. 445 pages. ISBN 0-87893-902-4.

With the increasing application of molecular genetics markers for mapping genes, for forensic applications and for genealogical tree construction, there is a corresponding increase in need for geneticists to understand and be able to use statistical methods for analyses of the data obtained. Students and practitioners need to be kept up to date, so this revision of Bruce Weir's text, first published in 1990, is timely.

It maintains the clarity and cover of the first edition, but with several significant changes: an increased exposition of numerical resampling methods for statistical testing, which are increasingly replacing classical distribution based methods; a much more extensive account of linkage mapping, now a full chapter; and further material on DNA sequence data analysis. Notably, in view of Bruce Weir's expertise in the area (as seen on TV in the O. J. Simpson trial), there is a new chapter on 'Individual identification', including forensic applications. What seemed to me an unnecessary appendix in the first edition comprising listings of computer programs has been discarded, and replaced by a reference to the World Wide Web.

Weir's book is justifiably becoming a standard text. The new edition will keep it at the forefront.

WILLIAM G. HILL
Institute of Cell, Animal & Population Biology, University of Edinburgh

https://doi.org/10.1017/S0016672300034121 Published online by Cambridge University Press