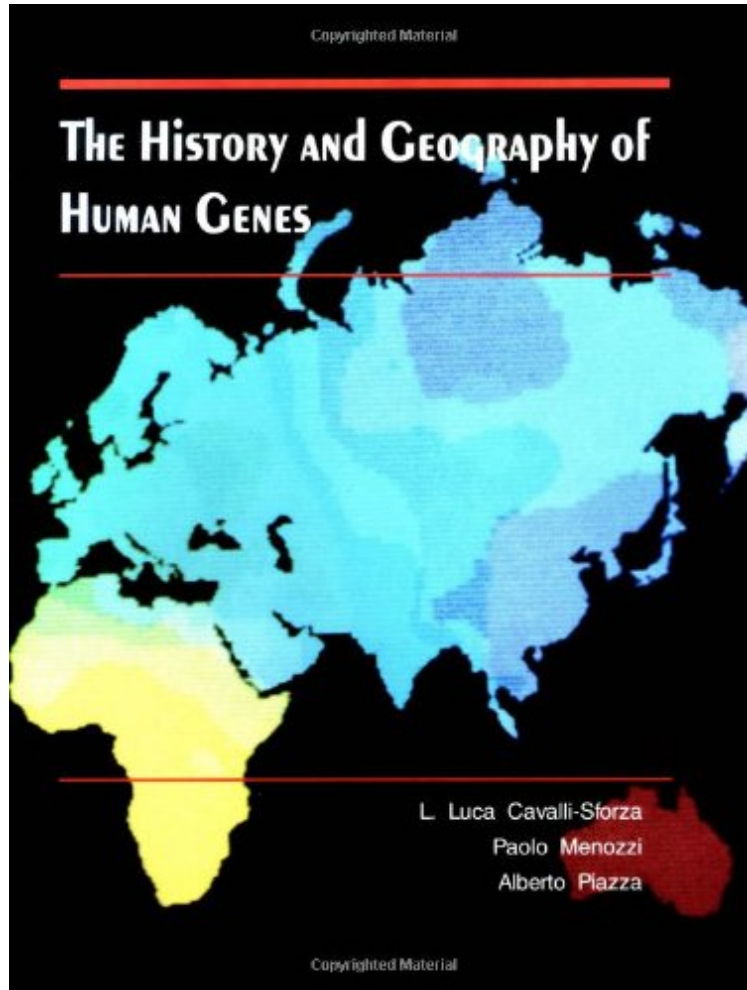


[FREE] The History and Geography of Human Genes

The History and Geography of Human Genes

Luigi Luca Cavalli-Sforza, Paolo Menozzi, Alberto Piazza
*ebooks | Download PDF | *ePub | DOC | audiobook*



[Download](#)

[Read Online](#)

#915954 in Books Princeton University Press 1994-07-05 Ingredients: Example Ingredients Original language: English PDF # 1 2.66 x 8.90 x 11.321, 7.53 #File Name: 06910875041088 pages | File size: 48.Mb

Luigi Luca Cavalli-Sforza, Paolo Menozzi, Alberto Piazza : The History and Geography of Human Genes

before purchasing it in order to gauge whether or not it would be worth my time, and all praised The History and Geography of Human Genes:

0 of 0 people found the following review helpful. super interesting By Lunuclear and concise, very easy to read and understand. The material is interesting, the book condition was as described and the shipping was fast. 0 of 1 people found the following review helpful. Five Stars By Donald W. Gregg Essential reading for the polymath. 0 of 1 people found the following review helpful. Five Stars By terrill parrish Great!

L. Luca Cavalli-Sforza and his collaborators Paolo Menozzi and Alberto Piazza have devoted fourteen years to one of the most compelling scientific projects of our time: the reconstruction of where human populations originated and the

paths by which they spread throughout the world. In this volume, the culmination of their research, the authors explain their pathbreaking use of genetic data, which they integrate with insights from geography, ecology, archaeology, physical anthropology, and linguistics to create the first full-scale account of human evolution as it occurred across all continents. This interdisciplinary approach enables them to address a wide range of issues that continue to incite debate: the timing of the first appearance of our species, the problem of African origins and the significance of work recently done on mitochondrial DNA and the popular notion of an "African Eve," the controversy pertaining to the peopling of the Americas, and the reason for the presence of non-Indo-European languages--Basque, Finnish, and Hungarian--in Europe. The authors reconstruct the history of our evolution by focusing on genetic divergence among human groups. Using genetic information accumulated over the last fifty years, they examined over 110 different inherited traits, such as blood types, HLA factors, proteins, and DNA markers, in over eighteen hundred, primarily aboriginal, populations. By mapping the worldwide geographic distribution of the genes, the scientists are now able to chart migrations and, in exploring genetic distance, devise a clock by which to date evolutionary history: the longer two populations are separated, the greater their genetic difference should be. This volume highlights the authors' contributions to genetic geography, particularly their technique for making geographic maps of gene frequencies and their synthetic method of detecting ancient migrations, as for example the migration of Neolithic farmers from the Middle East toward Europe, West Asia, and North Africa. Beginning with an explanation of their major sources of data and concepts, the authors give an interdisciplinary account of human evolution at the world level. Chapters are then devoted to evolution on single continents and include analyses of genetic data and how these data relate to geographic, ecological, archaeological, anthropological, and linguistic information. Comprising a wide range of viewpoints, a vast store of new and recent information on genetics, and a generous supply of visual elements, including 522 geographic maps, this book is a unique source of facts and a catalyst for further debate and research.

Winner of the 1994 R.R. Hawkins Award, American Publishers Awards
"The reconstruction of the human family tree--its branching order, its timing, and its geography--may be within our grasp. . . . This research has great importance for the obvious and most joyously legitimate parochial reason--our intense fascination with ourselves and the details of our history."--Stephen Jay Gould, *Natural History*
"This is the most comprehensive treatment of human genetic variations available . . . An impressive display of synthesis and analysis."--*Science*
"This long-awaited magnum opus is a major contribution to our knowledge of human genetic variation and its distribution on a global scale."--*American Scientist*
From the Inside Flap "The enormous breadth of its conclusions and its global scope will make this an extremely important book in the whole field of the humanities and in the scientific study of human populations. The authors are pioneering in their mapping of gene frequency distributions and in their historical interpretations of that patterning."--Colin Renfrew, Jesus College, University of Cambridge
From the Back Cover "The enormous breadth of its conclusions and its global scope will make this an extremely important book in the whole field of the humanities and in the scientific study of human populations. The authors are pioneering in their mapping of gene frequency distributions and in their historical interpretations of that patterning."--Colin Renfrew, Jesus College, University of Cambridge