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Mapping Human History

2002

Olson traveled through four continents to gather insights into the development of humans for this sweeping history of humanity based on a new understanding of genetics maps

The History and Geography of Human Genes

2018-06-05

hailed as a breakthrough in the understanding of human evolution the history and geography of human genes offers the first full scale reconstruction of where human populations originated and the paths by which they spread throughout the world by mapping the worldwide geographic distribution of genes for over 110 traits in over 1800 primarily aboriginal populations the authors charted migrations and devised a clock by which to date evolutionary history this monumental work is now available in a more affordable paperback edition without the myriad illustrations and maps but containing the full text and partial appendices of the authors pathbreaking endeavor

Reflections of Our Past

2018-03-26

the rise of the multi billion dollar ancestry testing industry points to one immutable truth about us as human beings we want to know where we come from and who our ancestors were john h reithford and deborah a bolnick explore this topic and many more in this second edition of reflections of our past where did modern humans come from and how important are the biological differences among us are we descended from neandertals how should we understand the connections between genetic ancestry race and identity were native americans the first to inhabit the americas can we see evidence of the viking invasions of ireland a millennium ago even in the irish of today through engaging examination of issues such as these and using non technical language reflections of our past shows how anthropologists use genetic information to suggest answers to fundamental questions about human history by looking at genetic variation in the world today and in the past we can reconstruct the recent and remote events and processes that have created the variation we see providing a fascinating reflection of our genetic past

Mapping Human History Tpbk

2002

where did modern humans come from and how important are the biological differences among us are we descended from neanderthals how many races of people are there were native americans the first settlers of the new world how can we tell if thomas jefferson had a child with sally hemings through an engaging examination of issues such as these and using non technical language reflections of our past shows how anthropologists use genetic information to test theories and define possible answers to fundamental questions in human history by looking at genetic variation in the world today we can reconstruct the recent and remote events and processes that created the variation we see providing a fascinating reflection of our genetic past reflections of our past is a w w howells book prize winner and choice outstanding academic title

Reflections Of Our Past

2018-03-09

national book critics circle award 2017 nonfiction finalist nothing less than a tour de force a heady amalgam of science history a little bit of anthropology and plenty of nuanced captivating storytelling the new york times book review editor s choice a national geographic best book of 2017 in our unique genomes every one of us carries the story of our species births deaths disease war famine migration and a lot of sex but those stories have always been locked away until now who are our ancestors where did they come from geneticists have suddenly become historians and the hard evidence in our dna has blown the lid off what we thought we knew acclaimed science writer adam rutherford explains exactly how genomics is completely rewriting the human story from 100 000 years ago to the present

A Brief History of Everyone Who Ever Lived: The Human Story Retold Through Our Genes

2018-09-04

uses neo darwinian evolutionary ideas to explore the history of human populations and the origins of and changes to their cultural traditions

Genes, Memes and Human History

2002

drawing on startling new evidence from the mapping of the genome an explosive new account of the genetic basis of race and its role in the human story

A Troublesome Inheritance

2014

this is a story about you it is the history of who you are and how you came to be it is unique to you as it is to each of the 100 billion modern humans who have ever drawn breath but it is also our collective story because in every one of our genomes we each carry the history of our species births deaths disease war famine migration and a lot of sex since scientists first read the human genome in 2001 it has been subject to all sorts of claims counterclaims and myths in fact as adam rutherford explains our genomes should be read not as instruction manuals but as epic poems dna determines far less than we have been led to believe about us as individuals but vastly more about us as a species in this captivating journey through the expanding landscape of genetics adam rutherford reveals what our genes now tell us about history and what history tells us about our genes from neanderthals to murder from redheads to race dead kings to plague evolution to epigenetics this is a demystifying and illuminating new portrait of who we are and how we came to be

A Brief History of Everyone who Ever Lived

2016-09-08

are humans unique this simple question at the very heart of the hybrid field of biological anthropology poses one of the false dichotomies with a stereotypical humanist answering in the affirmative and a stereotypical scientist answering in the negative the study of human biology is different from the study of the biology of other species in the simplest terms people's lives and welfare may depend upon it in a sense that they may not depend on the study of other scientific subjects where science is used to validate ideas four out of five scientists preferring a brand of cigarettes or toothpaste there is a tendency to accept the judgment as authoritative without asking the kinds of questions we might ask of other citizens pronouncements

Human Biodiversity

2017-07-12

this book argues that the phenomena of religion can not be reduced to the phenomena of biology

Genes, Genesis, and God

1999-02-13

drawing on startling new evidence from the mapping of the genome an explosive new account of the genetic basis of race and its role in the human story fewer ideas have been more toxic or harmful than the idea of the biological reality of race and with it the idea that humans of different races are biologically different from one another for this understandable reason the idea has been banished from polite academic conversation arguing that race is more than just a social construct can get a scholar run out of town or at least off campus on a rail human evolution the consensus view insists ended in prehistory inconveniently as nicholas wade argues in a troublesome inheritance the consensus view cannot be right and in fact we know that populations have changed in the past few thousand years to be lactose tolerant for example and to survive at high altitudes race is not a bright line distinction by definition it means that the more human populations are kept apart the more they evolve their own distinct traits under the selective pressure known as darwinian evolution for many thousands of years most human populations stayed where they were and grew distinct not just in outward appearance but in deeper senses as well wade the longtime journalist covering genetic advances for the new york times draws widely on the work of scientists who have made crucial breakthroughs in establishing the reality of recent human evolution the most provocative claims in this book involve the genetic basis of human social habits what we might call middle class social traits thrift docility nonviolence have been slowly but surely inculcated genetically within agrarian societies wade argues these values obviously had a strong cultural component but wade points to evidence that agrarian societies evolved away from hunter gatherer societies in some crucial respects also controversial are his findings regarding the genetic basis of traits we associate with

intelligence such as literacy and numeracy in certain ethnic populations including the chinese and ashkenazi jews wade believes deeply in the fundamental equality of all human peoples he also believes that science is best served by pursuing the truth without fear and if his mission to arrive at a coherent summa of what the new genetic science does and does not tell us about race and human history leads straight into a minefield then so be it this will not be the last word on the subject but it will begin a powerful and overdue conversation

A Troublesome Inheritance

2014-05-06

describes the birth and first few hours of a foal

Genes, Peoples, and Languages

2001-04-03

a new york times notable book the richest freshest most fun book on genetics in some time the new york times book review we are doomed to repeat history if we fail to learn from it but how are we affected by the forces that are invisible to us in the invisible history of the human race christine kenneally draws on cutting edge research to reveal how both historical artifacts and dna tell us where we come from and where we may be going while some books explore our genetic inheritance and popular television shows celebrate ancestry this is the first book to explore how everything from dna to emotions to names and the stories that form our lives are all part of our human legacy kenneally shows how trust is inherited in africa silence is passed down in tasmania and how the history of nations is written in our dna from fateful ancient encounters to modern mass migrations and medical diagnoses kenneally explains how the forces that shaped the history of the world ultimately shape each human who inhabits it the invisible history of the human race is a deeply researched carefully crafted and provocative perspective on how our stories psychology and genetics affect our past and our future

The Invisible History of the Human Race

2014-10-09

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Mapping human history

2002

a groundbreaking book about how ancient dna has profoundly changed our understanding of human history geneticists like david reich have made astounding advances in the field of genomics which is proving to be as important as archeology linguistics and written records as a means to understand our ancestry in who we are and how we got here reich allows readers to discover how the human genome provides not only all the information a human embryo needs to develop but also the hidden story of our species reich delves into how the genomic revolution is transforming our understanding of modern humans and how dna studies reveal deep inequalities among different populations between the sexes and among individuals provocatively reich s book suggests that there might very well be biological differences among human populations but that these differences are unlikely to conform to common stereotypes drawing upon revolutionary findings and unparalleled scientific studies who we are and how we got here is a captivating glimpse into humankind where we came from and what that says about our lives today

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2016-04

rutherford describes the book of humans as being about the paradox of how our evolutionary journey turned an otherwise average ape into one capable of creating complex tools art music science and engineering it s an intriguing question one his book sets against descriptions of the infinitely amusing strategies and antics of a dizzying array of animals the new york times book review publisher s note the book of humans was previously published in hardcover as humanimal in this new evolutionary history geneticist adam rutherford explores the profound paradox of the human animal looking for answers across the animal kingdom he finds that many things once considered exclusively human are not we aren t the only species that speaks makes tools or has sex outside of procreation seeing as our genome is 98 percent identical to a chimpanzee s our dna doesn t set us far apart either how then did we develop the most complex culture ever observed the book of humans proves that we are animals indeed and reveals how we truly are extraordinary

Genes, Genesis, and God

1999

acclaimed author matt ridley s thrilling follow up to his bestseller genome armed with the extraordinary new discoveries about our genes ridley turns his attention to the nature versus nurture debate to bring the first popular account of the roots of human behaviour

Human Biodiversity

2001

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Who We Are and How We Got Here

2018-03-27

no doubt history is littered with theories and beliefs that not only proved to be wrong in the end but also costly as far as the human search for truth and development is concerned the view that the earth was the physical and the biological center of the universe was one such failed theory one that cost many famous scientists most of their lives and held back societies everywhere for decades or hundreds of years behind what is now considered a given truth in the current work under consideration religion and evolution theories come under scrutiny in light of recent scientific facts that dispute their most important claims about the origins of the species in the true story of human evolutionary genesis elvis newman presents both astounding facts and findings about the human genome as well as paradigm shifting theories emanating from zecharia sitchin s work around the sumerian clay tablets

The Book of Humans: A Brief History of Culture, Sex, War, and the Evolution of Us

2020-05-12

written by 30 authors from all over the world this book provides a unique overview of exciting discoveries and surprising developments in human genetics over the last 50 years the individual contributions based on seven international workshops on the history of human genetics cover a diverse range of topics including the early years of the discipline gene mapping and diagnostics further they discuss the status quo of human genetics in different countries and highlight the value of genetic counseling as an important subfield of medical genetics

Nature via Nurture: Genes, experience and what makes us human

2011-06-09

the authors propose that the evolutionary past of humankind can be reconstructed by analyzing current gentic data

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2011-04

almost daily we hear news stories advertisements and scientific reports that promise genetic medicine will make us live longer enable doctors to identify and treat diseases before they start and individualize our medical care but surprisingly a century ago eugenicists were making the same promises the science of human perfection traces the history of the promises of medical genetics and of the medical dimension of eugenics the book also considers social and ethical issues that cast troublesome shadows over these fields divdiv divkeeping his focus on america science historian nathaniel comfort introduces the community of scientists physicians and public health workers who have contributed to the development of medical genetics from the nineteenth century to today he argues that medical genetics is closely related to eugenics and indeed the two cannot be fully understood separately he also carefully examines how the desire to relieve suffering and to improve ourselves genetically though noble may be subverted history makes clear that as patients and consumers we must take ownership of genetic medicine using it intelligently knowledgeably and skeptically lest pernicious interests trump our own div

The True Story of Human Evolutionary Genesis

2015-01-20

resistance to malaria blue eyes lactose tolerance what do all of these traits have in common every one of them has emerged in the last 10 000 years scientists have long believed that the great leap forward that occurred some 40 000 to 50 000 years ago in europe marked end of significant biological evolution in humans in this stunningly original account of our evolutionary history top scholars gregory cochran and henry harpending reject this conventional wisdom and reveal that the human species has undergone a storm of genetic change much more recently human evolution in fact accelerated after civilization arose they contend and these ongoing changes have played a pivotal role in human history they argue that biology explains the expansion of the indo europeans the european conquest of the americas and european jews rise to intellectual prominence in each of these cases the key was recent genetic change adult milk tolerance in the early indo europeans that allowed for a new way of life increased disease resistance among the europeans settling america and new versions of neurological genes among european jews ranging across subjects as diverse as human domestication neanderthal hybridization and iq tests cochran and harpending s analysis demonstrates convincingly that human genetics have changed and can continue to change much more rapidly than scientists have previously believed a provocative and fascinating new look at human evolution that turns conventional wisdom on its head the 10 000 year explosion reveals the ongoing interplay between culture and biology in the making of the human race

Gene

2016

discusses what can be understood through human genome sequencing describes how the interactions of genes direct the growth of individuals and reveals what gene research will enable in the future

History of Human Genetics

2018-07-28

in a book that promises to change the way we think and talk about genes and genetic determinism evelyn fox keller one of our most gifted historians and philosophers of science provides a powerful profound analysis of the achievements of genetics and molecular biology in the twentieth century the century of the gene not just a chronicle of biology s progress from gene to genome in one hundred years the century of the gene also calls our attention to the surprising ways these advances challenge the familiar picture of the gene most of us still entertain keller shows us that the very successes that have stirred our imagination have also radically undermined the primacy of the gene word and object as the core explanatory concept of heredity and development she argues that we need a new vocabulary that includes concepts such as robustness fidelity and evolvability but more than a new vocabulary a new awareness is absolutely crucial that understanding the components of a system be they individual genes proteins or even molecules may tell us little about the interactions among these components with the human genome project nearing its first and most publicized goal biologists are coming to realize that they have reached not the end of biology but the beginning of a new era indeed keller predicts that in the new century we will witness another cambrian era this time in new forms of biological thought rather than in new forms of biological life

The Great Human Diasporas

1995-07-16

so much to read so little time this brief overview of the gene tells you what you need to know before or after you read siddhartha mukherjee s book crafted and edited with care worth books set the standard for quality and give you the tools you need to be a well informed reader this short summary and analysis of the gene by siddhartha mukherjee includes historical context chapter by chapter summaries detailed timeline of key events important quotes fascinating trivia glossary of terms supporting material to enhance your understanding of the original work about siddhartha mukherjee s the gene from the pulitzer prize winning author of the emperor of all maladies the gene is a rigorously scientific broadly historical and candidly personal account of the development of the science of genetics the dramatic ways genes can affect us and the enormous moral questions posed by our ability to manipulate them as siddhartha mukherjee maps out the fascinating biography of the gene from research and experimentation to scientific breakthroughs he always returns to the narrative of his own family s tragic history of mental illness reminding us that despite our huge leaps in knowledge there is still much we do not understand about the incredibly complex human genome the gene is an important read for anyone concerned about a future that may redefine what it means to be human the summary and analysis in this ebook are intended to complement your reading experience and bring you closer to a great work of nonfiction

The Science of Human Perfection

2012-09-25

meaty well written kirkus reviews timely and informative the new york times book review by far the best book i have ever read on humanity s deep history e o wilson biologist and author of the ants and on human nature nicholas wade s articles are a major reason why the science section has become the most popular nationwide in the new york times in his groundbreaking before the dawn wade reveals humanity s origins as never before a journey made possible only recently by genetic science whose incredible findings have answered such questions as what was the first human language like how large were the first societies and how warlike were they when did our ancestors first leave africa and by what route did they leave by eloquently solving these and numerous other mysteries wade offers nothing less than a uniquely complete retelling of a story that began 500 centuries ago

The 10,000 Year Explosion

2009-01-27

1990s the explosion of human diversity in the last 10,000 years is the result of a genetic revolution dna evidence shows that 4000 years ago a genetic revolution occurred that led to the explosion of human diversity

Jacob's Ladder

2004

150 000 years of human existence have passed and yet what do we really know about our history before the advent of writing some of the most momentous events including our origins our migrations across the globe and our acquisition of language were lost in the darkness of prehistory but at last geneticists and other scientists are piecing together a history the true story of adam and eve mapping human history is nothing less than a history of prehistory steve olson travelled through four continents to discover the development of humans and our expansion throughout the planet he describes for example new thinking about how centres of agriculture sprang up among disparate foraging societies at roughly the same time he tells why most of us can claim julius caesar and confucius among our forebears he pinpoints why the ways in which the story of the jewish people jibes with and diverges from biblical accounts and using very recent genetic findings he explodes the myth that human races are a biological reality

The Century of the Gene

2009-06-30

are humans unique this simple question at the very heart of the hybrid field of biological anthropology poses one of the false dichotomies with a stereotypical humanist answering in the affirmative and a stereotypical scientist answering in the negative the study of human biology is different from the study of the biology of other species in the simplest terms people s lives and welfare may depend upon it in a sense that they may not depend on the study of other scientific subjects where science is used to validate ideas four out of five scientists preferring a brand of cigarettes or toothpaste there is a tendency to accept the judgment as authoritative without asking the kinds of questions we might ask of other citizens pronouncements in human biodiversity marks has attempted to distill from a centuries long debate what has been learned and remains to be learned about the biological differences within and among human groups his is the first such attempt by an anthropologist in years for genetics has undermined the fundamental assumptions of racial taxonomy the history of those assumptions from linnaeus to the recent past the history of other more useful assumptions that derive from buffon and have reemerged to account for genetic variation are the poles of marks s exploration

Nature, Culture, and Human History

1977

this book presents a concise yet comprehensive survey of methods used in the expanding studies of human evolution paying particular attention to new work on social evolution the first part of the book presents principal methods for the study of biological cultural and social evolution plus migration group behavior institutions politics and environment the second part provides a chronological and analytical account of the development of these methods from 1850 to the present showing how multidisciplinary rose to link physical biological ecological and social sciences the work is especially relevant for readers in history and social sciences but will be of interest to readers in biological and ecological fields who are interested in exploring a wide range of evolutionary studies

Summary and Analysis of The Gene: An Intimate History

2016-12-13

this book attempts to define the issues that face us in trying to understand the often overwhelming complexity of the human experience it is intellectually challenging broad in its scope richly detailed and densely argued it is the first in a projected series of five volumes in which the author will seek to touch on every aspect of human historical reality and all the multitudinous variables that have shaped it

Before the Dawn

2007-03-27

the broad arc of islands north of australia that extends from indonesia east towards the central pacific is home to a set of human populations whose concentration of diversity is unequalled elsewhere approximately 20 of the worlds languages are spoken here and the biological and genetic heterogeneity among the groups is extraordinary anthropologist w w howells once declared diversity in the region so protean as to defy analysis however this book can now claim considerable success in describing and understanding the origins of the genetic and linguistic variation there in order to cut through this biological knot the authors have applied a comprehensive battery of genetic analyses to an intensively sampled set of populations and have subjected these and complementary linguistic data to a variety of phylogenetic analyses this has revealed a number of heretofore unknown ancient pleistocene genetic variants that are only found in these island populations and has also identified the genetic footprints of more recent migrants from southeast asia who were the ancestors of the polynesians the book lays out the very complex structure of the variation within and among the islands in this relatively small region and a number of explanatory models are tested to see which best account for the observed pattern of genetic variation here the results suggest that a number of commonly used models of evolutionary divergence are overly simple in their assumptions and that often human diversity has accumulated in very complex ways

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2021-03-03

Mapping Human History

2014-09-14

Elements of Human Genetics

1977

Human Biodiversity

1995

Methods for Human History

2020-09-28

THE EMERGENCE AND NATURE OF HUMAN HISTORY Volume One

2017-07-30

Genes, Language, & Culture History in the Southwest Pacific

2007-04-19

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