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The Double Helix James D. Watson 2011-08-16 The classic personal account of Watson and Crick's groundbreaking discovery of the structure of DNA, now with an introduction by Sylvia Nasar, author of A Beautiful Mind. By identifying the structure of DNA, the molecule of life, Francis Crick and James Watson revolutionized biochemistry and won themselves a Nobel

Prize. At the time, Watson was only twenty-four, a young scientist hungry to make his mark. His uncompromisingly honest account of the heady days of their thrilling sprint against other world-class researchers to solve one of science's greatest mysteries gives a dazzlingly clear picture of a world of brilliant scientists with great gifts, very human ambitions, and bitter

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rivalries. With humility unspoiled by false modesty, Watson relates his and Crick's desperate efforts to beat Linus Pauling to the Holy Grail of life sciences, the identification of the basic building block of life. Never has a scientist been so truthful in capturing in words the flavor of his work.

The Fortnightly 1895

The Essays of George Eliot (Illustrated)

NATHAN SHEPPARD 1883

Data Sources 2000

Sherlock Holmes' Lost Adventure Lauren

Steinhauer 2004-05 "Raw panic seemed to overcome Holmes' expression. I could only imagine that he suddenly foresaw the inexorable conclusion as vividly as any of his past deductions. We were about to face our own deaths!" A youthful Sherlock Holmes is recuperating from the ordeal destined to be chronicled by Dr. Watson as A Study in Scarlet. Holmes' next adventure, the lost adventure, starts mundanely enough

with the theft of a typewriter but for one outré fact: The death of the beautiful supplicant's manservant. More thefts and purloined documents carry Holmes and Watson across Europe on the Orient Express in search of the truth. A devilishly clever cipher and a murdered sailor lead Holmes to a horrifying conclusion. Travel with the great detective and Dr. Watson from the steaming jungles of the Sundra Strait to long forgotten caverns beneath London to face a new arch villain, Lofcadio Hearseborne III, and the greatest terror of their lives.

Hyperparameter Tuning with Python Louis Owen 2022-07-29 Take your machine learning models to the next level by learning how to leverage hyperparameter tuning, allowing you to control the model's finest details Key Features Gain a deep understanding of how hyperparameter tuning works Explore

exhaustive
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search, heuristic search, and Bayesian and multi-fidelity optimization methods Learn which method should be used to solve a specific situation or problem Book Description Hyperparameters are an important element in building useful machine learning models. This book curates numerous hyperparameter tuning methods for Python, one of the most popular coding languages for machine learning. Alongside in-depth explanations of how each method works, you will use a decision map that can help you identify the best tuning method for your requirements. You'll start with an introduction to hyperparameter tuning and understand why it's important. Next, you'll learn the best methods for hyperparameter tuning for a variety of use cases and specific algorithm types. This book will not only cover the usual grid or random search but also other powerful underdog methods. Individual

chapters are also dedicated to the three main groups of hyperparameter tuning methods: exhaustive search, heuristic search, Bayesian optimization, and multi-fidelity optimization. Later, you will learn about top frameworks like Scikit, Hyperopt, Optuna, NNI, and DEAP to implement hyperparameter tuning. Finally, you will cover hyperparameters of popular algorithms and best practices that will help you efficiently tune your hyperparameter. By the end of this book, you will have the skills you need to take full control over your machine learning models and get the best models for the best results. What you will learn Discover hyperparameter space and types of hyperparameter distributions Explore manual, grid, and random search, and the pros and cons of each Understand powerful underdog methods along with best practices Explore the

hyperparameters of popular algorithms Discover how to tune hyperparameters in different frameworks and libraries Deep dive into top frameworks such as Scikit, Hyperopt, Optuna, NNI, and DEAP Get to grips with best practices that you can apply to your machine learning models right away Who this book is for This book is for data scientists and ML engineers who are working with Python and want to further boost their ML model's performance by using the appropriate hyperparameter tuning method. Although a basic understanding of machine learning and how to code in Python is needed, no prior knowledge of hyperparameter tuning in Python is required.

The Selfish Gene Richard Dawkins 1989 An ethologist shows man to be a gene machine whose world is one of savage competition and deceit *Weight Management* Institute of Medicine 2003-12-01 The primary purpose of fitness and

body composition standards in the U.S. Armed Forces has always been to select individuals best suited to the physical demands of military service, based on the assumption that proper body weight and composition supports good health, physical fitness, and appropriate military appearance. The current epidemic of overweight and obesity in the United States affects the military services. The pool of available recruits is reduced because of failure to meet body composition standards for entry into the services and a high percentage of individuals exceeding military weight-for-height standards at the time of entry into the service leave the military before completing their term of enlistment. To aid in developing strategies for prevention and remediation of overweight in military personnel, the U.S. Army Medical Research and Materiel Command

requested the Committee on Military Nutrition Research to review the scientific evidence for: factors that influence body weight, optimal components of a weight loss and weight maintenance program, and the role of gender, age, and ethnicity in weight management.

Safety of Genetically Engineered Foods

National Research Council 2004-08-08

Assists policymakers in evaluating the appropriate scientific methods for detecting unintended changes in food and assessing the potential for adverse health effects from genetically modified products. In this book, the committee recommended that greater scrutiny should be given to foods containing new compounds or unusual amounts of naturally occurring substances, regardless of the method used to create them. The book offers a framework to guide federal agencies in selecting the route of safety assessment. It

identifies and recommends several pre- and post-market approaches to guide the assessment of unintended compositional changes that could result from genetically modified foods and research avenues to fill the knowledge gaps.

With and Without Galton:

Vasilii Florinskii and the Fate of Eugenics in

Russia Nikolai

Krementsov

Looking Forward Through the Lifespan:

Developmental Psychology

Candida C Peterson

2013-12-17 When a local context really makes the difference... The new edition of this original Australian text continues to offer the most balanced coverage of theory and research for Australian students and educators and appeals to students from many backgrounds. It covers the domains of development including neurological, cognitive, social, physical and personality. The text is organised chronologically by chapter. Within each

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chapter content is organised topically. This structure allows for a degree of flexibility and lecturers can choose the way they wish to approach the content, whether it is topically or chronologically.

PSYCH Spencer A. Rathus 2015-01-13 PSYCH 4 maximizes students' effort and engagement by empowering them to direct their own learning, through a single, affordable course solution. PSYCH 4 offers full coverage of course concepts through unique resources and features that mirror the natural study habits of students. Additionally, instructors benefit from hundreds of new references from 2013 and 2014 developments in the field of psychology coupled with straightforward quizzing, assessment, and reporting options. Of note, PSYCH 4 combines an easy-reference, paperback textbook with chapter review cards, and a groundbreaking online

product that enables students to study how and when they want—including on their smartphones! With the innovative StudyBoard, students can collect notes and create StudyBits throughout the product, and then leverage a series of tags and filters to organize and personalize their study time. Both instructors and students can monitor progress through a series of Concept Tracking reports and traditional Gradebook features, ensuring improved outcomes. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Bulletin of the Atomic Scientists 1967-03 The Bulletin of the Atomic Scientists is the premier public resource on scientific and technological developments that impact global security. Founded by Manhattan Project Scientists, the Bulletin's iconic

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"Doomsday Clock"
stimulates solutions for
a safer world.

Experiments in Plant Hybridisation

Gregor Mendel 2008-11-01
Experiments which in
previous years were made
with ornamental plants
have already afforded
evidence that the
hybrids, as a rule, are
not exactly intermediate
between the parental
species. With some of
the more striking
characters, those, for
instance, which relate
to the form and size of
the leaves, the
pubescence of the
several parts, etc., the
intermediate, indeed, is
nearly always to be
seen; in other cases,
however, one of the two
parental characters is
so preponderant that it
is difficult, or quite
impossible, to detect
the other in the hybrid.
from 4. The Forms of the
Hybrid One of the most
influential and
important scientific
works ever written, the
1865 paper Experiments
in Plant Hybridisation
was all but ignored in
its day, and its author,

Austrian priest and
scientist GREGOR JOHANN
MENDEL (18221884), died
before seeing the
dramatic long-term
impact of his work,
which was rediscovered
at the turn of the 20th
century and is now
considered foundational
to modern genetics. A
simple, eloquent
description of his
18561863 study of the
inheritance of traits in
pea plantsMendel
analyzed 29,000 of
themthis is essential
reading for biology
students and readers of
science history. Cosimo
presents this compact
edition from the 1909
translation by British
geneticist WILLIAM
BATESON (18611926).
Cells and Heredity 2005
Popular Science 2005-09
Popular Science gives
our readers the
information and tools to
improve their technology
and their world. The
core belief that *Popular
Science* and our readers
share: The future is
going to be better, and
science and technology
are the driving forces
that will help make it.

better.

Health Effects of
Exposure to Low Levels
of Ionizing Radiation

National Research
Council 1990-02-01 This
book reevaluates the
health risks of ionizing
radiation in light of
data that have become
available since the 1980
report on this subject
was published. The data
include new, much more
reliable dose estimates
for the A-bomb
survivors, the results
of an additional 14
years of follow-up of
the survivors for cancer
mortality, recent
results of follow-up
studies of persons
irradiated for medical
purposes, and results of
relevant experiments
with laboratory animals
and cultured cells. It
analyzes the data in
terms of risk estimates
for specific organs in
relation to dose and
time after exposure, and
compares radiation
effects between Japanese
and Western populations.

Resources in Education

1990

Molecular Biology of the
Cell Bruce Alberts 2004

Parenting Matters

National Academies of
Sciences, Engineering,
and Medicine 2016-12-21
Decades of research have
demonstrated that the
parent-child dyad and
the environment of the
family"which includes
all primary
caregivers"are at the
foundation of children's
well-being and healthy
development. From birth,
children are learning
and rely on parents and
the other caregivers in
their lives to protect
and care for them. The
impact of parents may
never be greater than
during the earliest
years of life, when a
child's brain is rapidly
developing and when
nearly all of her or his
experiences are created
and shaped by parents
and the family
environment. Parents
help children build and
refine their knowledge
and skills, charting a
trajectory for their
health and well-being
during childhood and
beyond. The experience
of parenting also
impacts parents
themselves. For

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instance, parenting can enrich and give focus to parents' lives; generate stress or calm; and create any number of emotions, including feelings of happiness, sadness, fulfillment, and anger. Parenting of young children today takes place in the context of significant ongoing developments. These include: a rapidly growing body of science on early childhood, increases in funding for programs and services for families, changing demographics of the U.S. population, and greater diversity of family structure. Additionally, parenting is increasingly being shaped by technology and increased access to information about parenting. Parenting Matters identifies parenting knowledge, attitudes, and practices associated with positive developmental outcomes in children ages 0-8; universal/preventive and targeted strategies used in a variety of settings that have been effective with parents of young

children and that support the identified knowledge, attitudes, and practices; and barriers to and facilitators for parents' use of practices that lead to healthy child outcomes as well as their participation in effective programs and services. This report makes recommendations directed at an array of stakeholders, for promoting the wide-scale adoption of effective programs and services for parents and on areas that warrant further research to inform policy and practice. It is meant to serve as a roadmap for the future of parenting policy, research, and practice in the United States.

Treasure Your Exceptions
Alan Cock 2008-10-31
This biography provides an understanding of William Bateson as well as a reconciliation of diverging views (e.g. the hierarchical thinking of Gould and the genocentrism of George Williams and Richard Dawkins)

Evolutionists may thus, at long last, present a unified front to their creationist opponents. The pressing need for this text is apparent from the high percentages reported not to believe in evolution and the growth of the so-called "intelligent design" movement.

A Doll's House Henrik Ibsen 2018-05-23
Reproduction of the original: A Doll's House by Henrik Ibsen
Music of Life Stanislav Tregub 2020-08-08
Based on the Theory of Energy Harmony developed in the first two volumes of the series, this book builds bridges between physical and life sciences. It tackles fundamental questions that are considered the main riddles of biology. How do four elements of non-living matter form basic structures of living matter? What is the physical mechanism that binds them into biochemical molecules? The proposed model proceeds from the assumption that there are no special

biophysical laws and the mechanism of energy interactions is universal for all types of matter. The elements that form organic compounds have characteristics that allow them to create the Music of Life using this mechanism. Starting from a detailed account of how notes of this music arise, the book takes the reader step by step into the intricacies of the complex melodies, harmonies and rhythms of living matter. This foundation brings us to the central theme of the study. Living systems have one main feature distinguishing them from inanimate things. They have an internal process that allows them to purposefully adapt to the surrounding world and sustain integrity. We call it the Mind. There is a paradox: the Mind is an obvious concept, but it remains a mystery. Everyone understands what it is about, but when it comes to explaining what it is physically and how it works, we cannot say

anything definite. The absence of a physical explanation led to the idea about the immaterial nature of the Mind and, therefore, its inaccessibility for study and understanding. Even in the materialistic approach, attempts to define the Mind vanished in a fog of uncertainty. The author offers a way out of this vicious circle by giving a clear physical definition of the Mind. This bold attempt that does not leave any room for pathetic excuses about elusive intangibility allows us to take an entirely new look at the functional, physiological and technological aspects of the process, which will be revealed in subsequent parts of the study.

English Mechanic and World of Science 1889
Bulletin of the Atomic Scientists 1972-10 The Bulletin of the Atomic Scientists is the premier public resource on scientific and technological

developments that impact global security. Founded by Manhattan Project Scientists, the Bulletin's iconic "Doomsday Clock" stimulates solutions for a safer world.

The World Book

Encyclopedia 1984 An encyclopedia designed especially to meet the needs of elementary, junior high, and high school students.

Treasure Your Exceptions

Alan G. Cock 2022-08-05 This biography provides an understanding of William Bateson as well as a reconciliation of diverging views (e.g. the hierarchical thinking of Gould and the genocentrism of George Williams and Richard Dawkins). Evolutionists may thus, at long last, present a unified front to their creationist opponents. The pressing need for this text is apparent from the high percentages reported not to believe in evolution and the growth of the so-called "intelligent design" movement.

The Education Index 1987

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Understanding Genetics
Genetic Alliance 2009
The purpose of this manual is to provide an educational genetics resource for individuals, families, and health professionals in the New York - Mid-Atlantic region and increase awareness of specialty care in genetics. The manual begins with a basic introduction to genetics concepts, followed by a description of the different types and applications of genetic tests. It also provides information about diagnosis of genetic disease, family history, newborn screening, and genetic counseling. Resources are included to assist in patient care, patient and professional education, and identification of specialty genetics services within the New York - Mid-Atlantic region. At the end of each section, a list of references is provided for additional information. Appendices can be copied for reference and offered to

patients. These take-home resources are critical to helping both providers and patients understand some of the basic concepts and applications of genetics and genomics.

Hereditary Genius: an Inquiry Into Its Laws and Consequences

Francis Galton 1869 Galton founded the science of Eugenics and coined the word in 1883. He investigated the families of great men and thought genius was hereditary.

The Promise of

Adolescence National Academies of Sciences, Engineering, and Medicine 2019-08-26 Adolescence "beginning with the onset of puberty and ending in the mid-20s" is a critical period of development during which key areas of the brain mature and develop. These changes in brain structure, function, and connectivity mark adolescence as a period of opportunity to discover new vistas, to form relationships with peers and adults, and to

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explore one's developing identity. It is also a period of resilience that can ameliorate childhood setbacks and set the stage for a thriving trajectory over the life course. Because adolescents comprise nearly one-fourth of the entire U.S. population, the nation needs policies and practices that will better leverage these developmental opportunities to harness the promise of adolescence" rather than focusing myopically on containing its risks. This report examines the neurobiological and socio-behavioral science of adolescent development and outlines how this knowledge can be applied, both to promote adolescent well-being, resilience, and development, and to rectify structural barriers and inequalities in opportunity, enabling all adolescents to flourish.

Best Life 2006-06 Best Life magazine empowers men to continually

improve their physical, emotional and financial well-being to better enjoy the most rewarding years of their life.

A History of Genetics

Alfred Henry Sturtevant 2001 In the small "Fly Room" at Columbia University, T.H. Morgan and his students, A.H. Sturtevant, C.B. Bridges, and H.J. Muller, carried out the work that laid the foundations of modern, chromosomal genetics. The excitement of those times, when the whole field of genetics was being created, is captured in this book, written in 1965 by one of those present at the beginning. His account is one of the few authoritative, analytic works on the early history of genetics. This attractive reprint is accompanied by a website, <http://www.esp.org/books/sturt/history/> offering full-text versions of the key papers discussed in the book, including the world's first genetic map.

Proceedings of the 2012
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**International Conference
on Cybernetics and
Informatics**

Shaobo Zhong
2013-08-23 Proceedings
of the International
Conference on
Cybernetics and
Informatics (ICCI 2012)
covers the hybridization
in control, computer,
information,
communications and
applications. ICCI 2012
held on September 21-23,
2012, in Chongqing,
China, is organized by
Chongqing Normal
University, Chongqing
University, Nanyang
Technological
University, Shanghai
Jiao Tong University,
Hunan Institute of
Engineering, Beijing
University, and
sponsored by National
Natural Science
Foundation of China
(NSFC). This two volume
publication includes
selected papers from the
ICCI 2012. Covering the
latest research advances
in the area of computer,
informatics, cybernetics
and applications, which
mainly includes the
computer, information,
control, communications
technologies and

applications.

Variation in Time and
Space

Anna Čermáková
2020-12-07 Variation in
Time and Space:
Observing the World
through Corpora is a
collection of articles
that address the theme
of linguistic variation
in English in its
broadest sense. Current
research in English
language presented in
the book explores a
fascinating number of
topics, whose unifying
element is the corpus
linguistic methodology.
Part I of this volume,
Meaning in Time and
Space, introduces the
two dimensions of
variation - time and
space - relating them to
the negotiation of
meaning in discourse and
questions of
intertextuality. Part
II, Variation in Time,
approaches the English
language from a
diachronic point of
view; the time periods
covered vary
considerably, ranging
from 16th century up to
present-day; so do the
genres explored. Part
III, Variation in Space,

focuses on global varieties of English and includes a contrastive point of view. The range of topics is again broad - from specific lexico-grammatical structures to the variation in academic English, combining the regional and genre dimensions of variation. This is a timely volume that shows the breadth and depth in current corpus-based research of English.

Democracy and Education

John Dewey 2012-04-27

The distinguished educator and philosopher discusses his revolutionary vision of education, stressing growth, experience, and activity as factors that

promote a democratic character in students and lead to the advancement of self and society. /div

The Fortnightly Review

1895

Reading in Focus Esta De

Fossard 1985

Resources in Education

1990

Popular Science 1982-05

Popular Science gives our readers the information and tools to improve their technology and their world. The core belief that Popular Science and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better.