

children and emotion new insights into developmental affective science contributions to human development vol

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This content explores new insights into the complex interplay between children and emotion. Delving into developmental affective science, it provides crucial contributions to understanding human emotional growth and the nuances of child emotional development.

Each syllabus includes objectives, reading lists, and course assessments.

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children and emotion new insights into developmental affective science contributions to human development vol

Introduction to Developmental Psychology: Piaget's Stages - Introduction to Developmental Psychology: Piaget's Stages by Professor Dave Explains 130,225 views 1 year ago 11 minutes, 41 seconds - Developmental, psychology tries to study how thoughts, **feelings**, and behaviors, emerge and change **from**, infancy through to ...

Child Development, What is it? The 5 stages of a child development explained in this video. - Child Development, What is it? The 5 stages of a child development explained in this video. by BabyPillars 206,616 views 3 years ago 3 minutes, 21 seconds - What is **child development**,? The answer for parents. In this video I will explain What **child development**, is, what are the 5 stages of ...

What is the most important influence on child development | Tom Weisner | TEDxUCLA - What is the most important influence on child development | Tom Weisner | TEDxUCLA by TEDx Talks 1,223,146 views 7 years ago 8 minutes, 42 seconds - If you could do one thing - the most important thing - to influence the life of a young **child**,, what would that be (it's likely not what ...

How baby brains develop - How baby brains develop by CNN 514,991 views 9 years ago 1 minute, 41 seconds - Take a look inside what might be the most complex biological system in the world: the **human**, brain.

Introduction to Human Development/Developmental Psychology - Introduction to Human Development/Developmental Psychology by Nicole Berry 136,322 views 11 years ago 57 minutes - Welcome to **developmental**, psychology it's also called sometimes called **human development**, sometimes called lifespan ...

Understanding Your Child's Emotions: A Developmental Approach | Catherine Mogil, PsyD | UCLAMDChat - Understanding Your Child's Emotions: A Developmental Approach | Catherine Mogil, PsyD | UCLAMDChat by UCLA Health 169,523 views 7 years ago 29 minutes - UCLA psychologist

Catherine Mogil, PsyD, and learn the best strategies to help your **child**, manage difficult **feelings**, in different ...

Basic Feelings

Emotional Development: Infants

Emotional Development: Toddlers

Emotional Development: Preschool Years

Emotional Development: School-aged Children

Emotional Development: Adolescents

Importance of Parents

Attunement

Support positive coping strategies

Model appropriate emotional expression

Keeping your cool

Model positive coping strategies

Family Emotional Regulation

Emotional Labeling Through Reading

The Single Most Important Parenting Strategy | Becky Kennedy | TED - The Single Most Important Parenting Strategy | Becky Kennedy | TED by TED 1,229,333 views 5 months ago 14 minutes, 4 seconds - Everyone loses their temper **from**, time to time — but the stakes are dizzyingly high when the focus of your fury is your own **child**,.

The 3 Stages of Emotional Child Development - The 3 Stages of Emotional Child Development by Psych2Go 167,648 views 5 years ago 4 minutes, 24 seconds - Emotional development, refers to the ability to recognize, express, and manage **feelings**, at different stages of life and to have ...

STAGE 1: 1-months

STAGE 1: 1-6 months

6-12 months

STAGE 2

STAGE 3: 12-24 months

5 Signs You Had A Traumatic Childhood (And Don't Realize It) - 5 Signs You Had A Traumatic Childhood (And Don't Realize It) by Psych2Go 819,004 views 1 year ago 4 minutes, 46 seconds

- There are many types of childhood trauma that can range **from**, events like physical abuse, sexual abuse, **emotional**, abuse, ...

Intro

What is a traumatic childhood

Childish reactions

Insecure attachment

Conflict avoidance

Low selfworth

Risky behavior

After watching this, your brain will not be the same | Lara Boyd | TEDxVancouver - After watching this, your brain will not be the same | Lara Boyd | TEDxVancouver by TEDx Talks 39,977,062 views 8 years ago 14 minutes, 24 seconds - In a classic research-based TEDx Talk, Dr. Lara Boyd describes how neuroplasticity gives you the power to shape the brain you ...

Intro

Your brain can change

Why cant you learn

Love is not Enough - Love is not Enough by Now Owned and Operated by Child Health BC 599,363 views 10 years ago 4 minutes, 11 seconds - Your Own Happiness is a Gift to Your **Child**, Parents may need to put their life goals **on**, hold and look after their own **emotional**, ...

Love is Not Enough Early Childcare and Emotional Development

Babies are Not Blank Slates

Attachment Patterns are Multigenerational

The Brain Develops in Response to the Environment

Right Conditions for Healthy Brain Development

Why you feel what you feel | Alan Watkins | TEDxOxford - Why you feel what you feel | Alan Watkins | TEDxOxford by TEDx Talks 4,585,641 views 8 years ago 20 minutes - Understanding, why you feel what you feel is one of the most important aspects of **human development**,. After **understanding**, ...

Inside the autism brain: The cerebellum - Inside the autism brain: The cerebellum by The Transmitter

63,231 views 3 years ago 4 minutes, 7 seconds - Professors Sam Wang and Peter Tsai explain the role of the 'little brain' in cognition, social skills, **emotion**, control and repetitive ...
Lessons from the longest study on human development | Helen Pearson - Lessons from the longest study on human development | Helen Pearson by TED 546,315 views 6 years ago 12 minutes, 26 seconds - For the past 70 years, **scientists**, in Britain have been studying thousands of **children**, through their lives to find out why some end ...
Reading for Pleasure
Parenting Matters
Poverty and Parenting Matter
My philosophy for a happy life | Sam Berns | TEDxMidAtlantic - My philosophy for a happy life | Sam Berns | TEDxMidAtlantic by TEDx Talks 53,080,070 views 10 years ago 12 minutes, 45 seconds - Just before his passing **on**, January 10, 2014, Sam Berns was a Junior at Foxboro High School in Foxboro, Massachusetts, where ...
Intro
Pit Percussion
Progeria
Most important thing
My philosophy
Playing SpiderMan
Surround yourself with people
Keep moving forward
Change the world
My younger self
Conclusion
The Attachment Theory: How Childhood Affects Life - The Attachment Theory: How Childhood Affects Life by Sprouts 9,689,735 views 5 years ago 7 minutes, 36 seconds - The attachment theory argues that a strong **emotional**, and physical bond to one primary caregiver in our first years of life is critical ...
SECURELY ATTACHED
ANXIOUS AMBIVALENT
Psychology and Human Development - Psychology and Human Development by Dr. Kerris Dillon 636 views 2 years ago 27 minutes - This video highlights **developmental**, psychology, attention, memory, language perception, memory, the normative approach, ...
Intro
DEVELOPMENTAL PSYCHOLOGY THE SCIENTIFIC STUDY OF HOW HUMAN BEINGS CHANGE FROM CONCEPTION THROUGH CHILDHOOD, ADOLESCENCE, ADULTHOOD, AND THROUGH THE DEATH PROCESS.
THE NORMATIVE APPROACH
Sigmund Freud Psychosexual Theories of Development
FREUD'S STAGES OF PSYCHOSEXUAL DEVELOPMENT
Trust vs. Mistrust (0-2 years old)
Autonomy vs. Shame (Doubt) 2-3 years old
Initiative vs Guilt 3-4 years old
Industry vs Inferiority Elementary School Years
Identity vs. Identity Confusion Adolescence
Intimacy vs. Isolationism Early Adulthood
Generativity vs Stagnation Middle Adulthood
Integrity vs Despair Late Adulthood
2 WAYS TO SHIFT SCHEMATA
ASSIMILATION
The Sensorimotor Stage 0-2 years old
Preoperational Stage 2-7 years old
Concrete Operational Stage 7-11 years old
Formal Operational Stage 12 years and up
Zone of Proximal Development (ZPD)
Preconventional Morality Before the age of 9 years old.
Conventional Morality Early Adolescence
Post-Conventional Morality once formal operations are attained
THE 3 STAGES OF PRENATAL DEVELOPMENT

4 STYLES OF PARENTING

InBrief: The Science of Resilience - InBrief: The Science of Resilience by Center on the Developing Child at Harvard University 570,407 views 8 years ago 2 minutes, 30 seconds - One way to understand the **development**, of resilience is to picture a balance scale or seesaw. Protective experiences and ...

The Growth of Knowledge: Crash Course Psychology #18 - The Growth of Knowledge: Crash Course Psychology #18 by CrashCourse 2,702,841 views 9 years ago 9 minutes, 50 seconds - How does our **knowledge**, grow? It turns out there are some different **ideas**, about that. Schemas, Four-Stage Theory of Cognitive ...

Introduction: Cognitive Development

Maturation

Jean Piaget's Theory of Cognitive Development

Schemas

Assimilation & Accommodation

Sensorimotor Stage of Cognitive Development

Preoperational Stage of Cognitive Development

Concrete Operational Stage of Cognitive Development

Formal Operational Stage of Cognitive Development

Reception of Piaget's Four-Step Model

Vygotsky's Theory of Scaffolding

Review & Credits

Human Growth and Developmental Psychology: Social and Emotional Development in Infancy -

Human Growth and Developmental Psychology: Social and Emotional Development in Infancy by

Nicole Berry 3,177 views 11 years ago 30 minutes - This is a description of primary **emotions**,,

self-conscious **emotions**,, separation protest, temperament, attachment, Erikson, Freud, ...

Introduction

Emotions in Animals

Primary Emotions

SelfAwareness

Crying

Physical Distress and Pain

Separation Protest

Temperament

Trust vs mistrust

Still face paradigm

Insecure Resistance

Harlow Experiment

Research

Movie suggestion

Website suggestions

Why Developmental Science? - Why Developmental Science? by Society for Research in Child Development 11,951 views 4 years ago 3 minutes, 59 seconds - Leading scholars of color discuss the important roles that **developmental scientists**, play in chronicling **human development**,.

IMPROVES LIFE COURSE SITUATION

REDUCE PROBLEM BEHAVIORS

REDUCE DISCRIMINATION AND CORRECT

Increasing Awareness Of Developmental Science - Increasing Awareness Of Developmental Science by Society for Research in Child Development 8,699 views 4 years ago 2 minutes, 39 seconds - Experts define **developmental science**, and share stories **from**, their work in the field. This video is part of a larger SRCD project, ...

Introduction

What do you love about your job

How can that science be applied

The science of emotions: Jaak Panksepp at TEDxRainier - The science of emotions: Jaak Panksepp at TEDxRainier by TEDx Talks 1,020,783 views 10 years ago 17 minutes - Given an inherent subjective nature, **emotions**, have long been a nearly impenetrable topic for **scientific**, research.

Affective, ...

Intro

The animal mind

Primary emotions

Brain opioids

New concepts

Conclusion

From Birth to Two: the Neuroscience of Infant Development - From Birth to Two: the Neuroscience of Infant Development by Dana Foundation 1,561,887 views 8 years ago 1 hour, 42 minutes - From, birth to two years old is marked by great cognitive, **emotional**, social and physical **development**, in **children**, and the brain is ...

MOTOR MILESTONES: 5 TO 9 MONTHS

MOTOR MILESTONES 9-12 MONTHS

MOTOR MILESTONES 18-24 MONTHS

COMMUNICATION 5 TO 9 MONTHS

COMMUNICATION: 9-12 MONTHS

Chapter 9 Human Development Narrated PowerPoint - Chapter 9 Human Development Narrated PowerPoint by Melissa Sutherland , Professor 4,063 views 4 years ago 36 minutes - Narration of King's Chapter 9 **on Human Development**,.

CHAPTER PREVIEW

RESEARCH METHODS IN DEVELOPMENTAL PSYCHOLOGY

NATURE AND NURTURE

RESILIENT CHILDREN

PRENATAL DEVELOPMENT

PERCEPTUAL AND MOTOR DEVELOPMENT

COGNITIVE DEVELOPMENT

EVALUATING PIAGET'S THEORY

OTHER THEORIES OF INTELLECTUAL DEVELOPMENT

TEMPERAMENT

INFANT ATTACHMENT

EVALUATING ERIKSON'S THEORY

BAUMRIND'S PARENTING STYLES

EVALUATING KOHLBERG'S THEORY

CURRENT RESEARCH ON MORAL DEVELOPMENT

UNDERSTANDING ADOLESCENCE

ADOLESCENT PHYSICAL DEVELOPMENT

ADOLESCENT BRAIN DEVELOPMENT

SOCIOEMOTIONAL DEVELOPMENT Identity versus identity

ADULT DEVELOPMENT AND AGING

PHYSICAL CHANGES IN ADULTHOOD

BIOLOGICAL THEORIES OF AGING

THE AGING BRAIN

MARRIAGE

WINDING DOWN

HEALTH AND WELLNESS

CHAPTER REVIEW

Childhood Trauma: The Lives of the Neglected Children - Childhood Trauma: The Lives of the Neglected Children by Sprouts 765,614 views 2 years ago 6 minutes - Children, who experience physical, cognitive or **emotional**, neglect, often face anxiety. As a result, their body produces stress ...

Neglect Theory

Daniel Rucareanu's story

Cognitive Neglect

Physical Neglect

Emotional Neglect

Ending

Emotions and the Brain - Emotions and the Brain by Sentis 1,422,687 views 11 years ago 2 minutes, 3 seconds - The Sentis Brain Animation Series takes you **on**, a tour of the brain through a series of short and sharp animations. The fifth in the ...

Human Development and Psychology: The Long View | The Future of Education Series - Human Development and Psychology: The Long View | The Future of Education Series by Harvard Graduate School of Education 4,719 views Streamed 4 years ago 1 hour, 46 minutes - Where has the field of **human development**, been? Where is it now? Where is it going? Where should it go? Panelists will

reflect ...

100 years ago... A Move To Link Research, Policy and Practice

An integrative knowledge of Developmental Science to Better Prepare youth

With an understanding of adolescence as an opportunity...

What do youth need to Envision and Prepare for adulthood?

The Field of Human Development is Cyclical

Piaget's Theory of Cognitive Development - Piaget's Theory of Cognitive Development by Sprouts

5,383,644 views 5 years ago 6 minutes, 56 seconds - Piaget's theory argues that we have to conquer 4 stages of cognitive **development**,. Only once we have gone through all the stages ...

The Sensori-Motor Stage Age 0-2

2. The Pre-operational Stage Age

The Concrete Operational Stage Age 7-11

4. The Formal Operational Stage Age 12 up

Emotional Development I Child Development - Emotional Development I Child Development by The Psych Professor 2,991 views 2 years ago 10 minutes, 29 seconds - emotional development from, infancy to adolescence.

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infants and children, the field has expanded to include adolescence, adult development, aging, and the entire lifespan. Developmental psychologists aim to explain... 131 KB (15,890 words) - 17:14, 14 March 2024

psychology, referring to development from birth to death, and pediatrics, the branch of medicine relating to the care of children. Developmental change may occur... 181 KB (21,845 words) - 11:25, 13 March 2024

psychology and neuroscience has been aimed at developing devices that recognize human affect display and model emotions. In computer science, affective computing... 130 KB (15,519 words) - 15:54, 24 February 2024

Smetana. Moral development often emphasizes these four basic fundamentals: First, feeling or emotion aspect: these theories emphasize the affective aspect of... 94 KB (12,817 words) - 18:31, 7 February 2024

via "adaptive developmental plasticity." From this perspective, human development follows alternative life-history strategies in response to environmental... 43 KB (4,425 words) - 20:06, 9 March 2024

respond to emotions in others. Contemporary neuroscience offers insights into the neural basis of the mind's ability to understand and process emotion. Studies... 168 KB (19,150 words) - 08:39, 3 March 2024

disability that affects all areas of a child's development is sometimes referred to as global developmental delay. The most common developmental disabilities... 71 KB (8,203 words) - 17:21, 28 February 2024 (1998). Affective neuroscience: The foundations of human and animal emotions. New York and Oxford: Oxford University Press. Sacks, O. (1984). A leg to stand... 236 KB (26,571 words) - 01:42, 15 March 2024

intentions, emotions, and thoughts may be different from one's own. Possessing a functional theory of mind is crucial for success in everyday human social... 126 KB (15,856 words) - 02:27, 12 March 2024 motivated humanity's development of science, technology, philosophy, mythology, religion, and other frameworks of knowledge; humans also study themselves... 261 KB (24,841 words) - 04:31, 10 March 2024

evolution of human intelligence is closely tied to the evolution of the human brain and to the origin of language. The timeline of human evolution spans... 107 KB (12,475 words) - 02:18, 13 March 2024

Cognitive Science Society as an award for his insights into cognition evolution and, specifically, the knowledge development about a contribution of shared... 24 KB (2,831 words) - 00:41, 15 March 2024

Mother-Infant Affective Communication and Infant Attachment: Exploring The Link Between Mental States and Observed Caregiving. Attachment and Human Development, 7... 80 KB (9,233 words) - 23:30, 12 March 2024

research in the field of affective neuroscience (the neural mechanisms of emotion) has uncovered important links between role play and neurogenesis in the... 65 KB (7,717 words) - 00:34, 15 March

2024

According to a general principle of development, new forms then take over old functions, so that children learn words to express the same communicative functions... 110 KB (13,983 words) - 01:56, 13 March

2024

Socialization is strongly connected to developmental psychology. Humans need social experiences to learn their culture and to survive. Socialization essentially... 49 KB (5,968 words) - 12:43, 23 February

2024

energize behavior, while emotions provide the affective component to motivation, positive or negative. In the early 1970s, Paul Ekman and colleagues began a... 160 KB (18,410 words) - 20:23, 18 February

2024

ability to perceive, use, understand, manage, and handle emotions. People with high emotional intelligence can recognize their own emotions and those of... 97 KB (11,377 words) - 16:45, 1 March

2024

regarding the ways in which affective states are involved in human judgment and decision-making. According to Alice Isen, positive affect has three primary effects... 196 KB (22,633 words) - 21:52, 9 March

2024

[469] Wadsworth, B. J. (1989). Piaget's theory of cognitive and affective development [421]

Karmiloff-Smith, A. (1992). Beyond Modularity. [419] Bodner... 119 KB (14,713 words) - 22:30, 17 February 2024

Calcium and Bone Disorders in Children and Adolescents

Over recent decades, innovative diagnostic technologies, new therapeutic approaches and steady progress in medical genetics have helped establish the field of bone disease as a stand-alone specialty. Summarizing current knowledge, the physiology of calcium, magnesium and phosphate metabolism, the technique of bone biopsy and uses and pitfalls of bone density scanning are discussed. The main part of this publication describes in detail the disorders associated with hypocalcemia, hypercalcemia, rickets, phosphate metabolism, primary and secondary osteoporosis. The genetic nature of many of these conditions is highlighted and each condition is referred to by the number of its OMIM entry. The final chapter, which distinguishes this book from previous publications on the topic, comprises case reports illustrating some of the problems that are examined in previous chapters. This comprehensive account of disorders related to bone and mineral metabolism makes essential reading for pediatric endocrinologists as well as for clinicians who wish to gain a practical understanding of this important topic.

Calcium and Bone Disorders in Children and Adolescents

There has been a rapid expansion of knowledge in the field of paediatric calcium and bone disorders over the past twenty years. Advances have been made in the underlying genetic basis for many conditions in conjunction with progress in bone density and geometry imaging and the development of new treatment options. The 2nd revised edition of 'Calcium and Bone Disorders in Children and Adolescents' presents up-to-date information on many aspects included in the 1st edition such as the physiology, pathology, diagnosis and management of numerous conditions including a chapter of case histories illustrating clinical aspects. New chapters on skeletal dysplasias, the genetics of osteoporosis, radiological imaging of bone and a practical approach to a child with recurrent fractures are included. Providing a comprehensive update, this book is a useful clinical resource for paediatricians and specialists in endocrinology, metabolic bone disease, nephrology, rheumatology, radiology, orthopaedics and clinical genetics who may be faced with a child with a calcium and/or bone disorder.

Avery's Diseases of the Newborn - E-Book

Completely revised and updated, Avery's Diseases of the Newborn, 11th Edition, remains your #1 choice for clinically focused, cutting-edge guidance on the evaluation, diagnosis, and treatment of diseases of the newborn. Drs. Christine A. Gleason, Taylor Sawyer, and a team of expert contributing authors provide comprehensive, up-to-date coverage of every key disease and condition affecting newborns, keeping you current in this fast-changing field. You'll find the specific strategies you need to confidently provide care for this unique patient population, in a full-color, easy-to-use single volume that focuses on key areas of practice. Reflects the latest developments on all aspects of newborn evaluation and management, featuring new content, new chapters, new contributors, and fresh perspectives from a new co-editor. Brings you the latest on current topics such as perinatal/neonatal

COVID-19, genomics and precision medicine, acute and chronic neonatal respiratory disorders, brain injury and neuroprotection, necrotizing enterocolitis, probiotics, palliative care, prenatal drug exposure, retinopathy of prematurity, and more. Provides clinically relevant, practical guidance in concise, focused chapters that include summary boxes, suggested readings, and more than 500 full-color illustrations, micrographs, and photographs. Contains the 2020 American Academy of Pediatrics and American Heart Association neonatal resuscitation guidelines and the 2022 American Academy of Pediatrics guidelines on the management of hyperbilirubinemia. Serves as a reliable quick reference for clinical questions and an excellent resource for board review. An eBook version is included with purchase. The eBook allows you to access all of the text, figures and references, with the ability to search, customize your content, make notes and highlights, and have content read aloud.

Bone Health and Osteoporosis

This first-ever Surgeon General's Report on bone health and osteoporosis illustrates the large burden that bone disease places on our Nation and its citizens. Like other chronic diseases that disproportionately affect the elderly, the prevalence of bone disease and fractures is projected to increase markedly as the population ages. If these predictions come true, bone disease and fractures will have a tremendous negative impact on the future well-being of Americans. But as this report makes clear, they need not come true: by working together we can change the picture of aging in America. Osteoporosis, fractures, and other chronic diseases no longer should be thought of as an inevitable part of growing old. By focusing on prevention and lifestyle changes, including physical activity and nutrition, as well as early diagnosis and appropriate treatment, Americans can avoid much of the damaging impact of bone disease and other chronic diseases. This Surgeon General's Report brings together for the first time the scientific evidence related to the prevention, assessment, diagnosis, and treatment of bone disease. More importantly, it provides a framework for moving forward. The report will be another effective tool in educating Americans about how they can promote bone health throughout their lives. This first-ever Surgeon General's Report on bone health and osteoporosis provides much needed information on bone health, an often overlooked aspect of physical health. This report follows in the tradition of previous Surgeon Generals' reports by identifying the relevant scientific data, rigorously evaluating and summarizing the evidence, and determining conclusions.

Pediatric Bone

Pediatric osteology, a medical specialty that has come of age, has contributed to the understanding of adult bone diseases as well. This second edition reference updates the 2003 edition with more emphasis on management as well as new and revised contributions. Thirty chapters present basic information regarding bone development, tools and techniques for evaluation (including a new chapter on radiographic imaging), and the specifics of various diseases. The three editors are affiliated as follows: Francis H. Glorieux (McGill U., Canada), John M. Pettifor (Chir Hani Baragwanath Hospital, South Africa), and Harald Juppner (Harvard Medical School, US). Academic Press is an imprint of Elsevier. Annotation ©2012 Book News, Inc., Portland, OR (booknews.com).

Disease Control Priorities, Third Edition (Volume 8)

More children born today will survive to adulthood than at any time in history. It is now time to emphasize health and development in middle childhood and adolescence--developmental phases that are critical to health in adulthood and the next generation. Child and Adolescent Health and Development explores the benefits that accrue from sustained and targeted interventions across the first two decades of life. The volume outlines the investment case for effective, costed, and scalable interventions for low-resource settings, emphasizing the cross-sectoral role of education. This evidence base can guide policy makers in prioritizing actions to promote survival, health, cognition, and physical growth throughout childhood and adolescence.

Sports Endocrinology

This book is an up-to-date, extensive overview of the effects of physical activity and training on endocrine function. It gives insights into a complex relationship by describing effects with respect to exercise performance, growth, development, and ageing. It includes discussions of the endocrine response depending on exercise mode, intensity, and duration as well as on gender, age, and fitness level. Additionally the book deals with the impact of environmental and psychological factors on endocrine level. A substantial part of Sports Endocrinology is devoted to the 'hot topic' of hormonal doping in

sports. The properties of androgens, growth hormone, erythropoietin, and dietary supplements are highlighted. The use and abuse among professional and recreational athletes is discussed and specific methods of detection are presented and explained. All contributors are well-known experts in sports medicine and endocrinology, endocrine physiology, pharmacology, and doping detection, so this book is a must-read for every professional involved in the field.

Forensic Anthropology

Provides comprehensive coverage of everything that students and practitioners need to know about working in the field of forensic anthropology. Forensic anthropology has been plagued by questions of scientific validity and rigor despite its acceptance as a section in the American Academy of Forensic Sciences nearly half a century ago. Critics have viewed it as a laboratory-based applied subfield of biological anthropology, and characterised it as emphasising methodology over theory. This book shows that these views are not only antiquated, but inadequate and inaccurate. *Forensic Anthropology: Theoretical Framework and Scientific Basis* introduces readers to all of the theoretical and scientific foundations of forensic anthropology — beginning with how it was influenced by the early theoretical approaches of Tyler, Morgan, Spencer and Darwin. It instructs on how modern forensic science relies on an interdisciplinary approach — with research being conducted in the fields of archaeology, physics, geology and other disciplines. This modern approach to theory in forensic anthropology is presented through the introduction and discussion of Foundational, Interpretive and Methodological theories. Sections cover: Bias and Objectivity in Forensic Anthropology Theory and Practice; The Theory and Science Behind Biological Profile and Personal Identification; Scientific Foundation for Interpretations of Antemortem, Perimortem, and Postmortem Processes; and Interdisciplinary Influences, Legal Ramifications and Future Directions. Illustrates important aspects of the theory building process and reflects methods for strengthening the scientific framework of forensic anthropology as a discipline. Inspired by the “Application of Theory to Forensic Anthropology” symposium presented at the 67th annual meeting of the American Academy of Forensic Sciences. Chapters written by experts in the field who were presenters at the symposium. *Forensic Anthropology: Theoretical Framework and Scientific Basis* is ideal for university courses in anthropological science, forensic science, criminal science and forensic archaeology.

The Parathyroids

Written by world experts, this book follows upon the monumental success of the first edition of *The Parathyroids*, which was universally acclaimed as the best text on the subject. An authoritative reference that spans the basic science of parathyroid hormone treatment to major clinical disorders in a superb, single compendium, *The Parathyroids* offers an objective and authoritative view on controversial clinical issues in this rapidly changing field. Every medical school library and virtually every major hospital library will need this book as a reference for students and clinicians. Key Features * Offers objective and authoritative reviews on controversial clinical issues * Written by world experts on parathyroid hormone and its disorders * Superb, state-of-the-art compendium in one convenient volume * Bridges basic science of parathyroid hormone to major clinical disorders * Practical information on clinical management of parathyroid hormone disorders

Pediatric Nephrology

Here is an extensive update of *Pediatric Nephrology*, which has become the standard reference text in the field. It is global in perspective and reflects the international group of editors, who are well-recognized experts in pediatric nephrology. Within this text, the development of kidney structure and function is followed by detailed and comprehensive chapters on all childhood kidney diseases.

Transgender Medicine

Although transgender persons have been present in various societies throughout human history, it is only during the last several years that they have become widely acknowledged in our society and their right to quality medical care has been established. In the United States, endocrinologists have been providing hormonal therapy for transgender individuals for decades; however, until recently, there has been only limited literature on this subject, and non-endocrine aspects of medical care for transgender individuals have not been well addressed in the endocrine literature. The goal of this volume is not only to address the latest in hormonal therapy for transgender individuals (including pediatric and geriatric age groups), but also to familiarize the reader with other aspects of transgender care, including

primary and surgical care, fertility preservation, and the management of HIV infection. In addition to medical issues, psychological, social, ethical and legal issues pertinent to transgender individuals add to the complexities of successful treatment of these patients. A final chapter includes extensive additional resources for both transgender patients and providers. Thus, an endocrinologist providing care to a transgender person will be able to use this single resource to address most of the patient's needs. While Transgender Medicine is intended primarily for endocrinologists, this book will be also useful to primary care physicians, surgeons providing gender-confirming procedures, mental health professionals participating in the care of transgender persons, and medical residents and students.

Pediatric Endocrinology

Celebrating more than twenty years as the single best source in the field, this Fifth Edition has now expanded into two cornerstone volumes with 53 fully inclusive chapters and 73 renowned contributors that comprehensively address every topic and trend relevant to the identification, diagnosis, and management of endocrine and endocrine-related disorders.

Bone Densitometry in Growing Patients

Bone Densitometry in Growing Patients: Guidelines for Clinical Practice, edited by Drs. Sawyer, Bachrach, and Fung, is a milestone book for all health professionals concerned with bone health in growing patients. The book introduces and emphasizes the importance of attending to issues of bone health and development in childhood and adolescence as a way of maintaining such health and decreasing the epidemic of osteoporosis that we are now seeing in older adults. In doing so, the book offers a much-needed first set of standards of bone densitometry in growing patients. Given the numerous reports of serious interpretation errors in densitometry results in children, the development of this body of work is truly important. It is in this context that *Bone Densitometry in Growing Patients: Guidelines for Clinical Practice* presents the current evidence, including an assessment of the strengths and weaknesses in the data on assessing bone density in childhood and adolescence. In short, the editors and authors have done an outstanding job of organizing not only the key topics in this broad clinical discussion, but also, and most importantly, the evidence within these areas.

Pediatric Endocrinology, Two Volume Set

Celebrating more than twenty years as the single best source in the field, this Fifth Edition has now expanded into two cornerstone volumes with 53 fully inclusive chapters and 73 renowned contributors that comprehensively address every topic and trend relevant to the identification, diagnosis, and management of endocrine and endocrine-related disorders.

Pediatric Neuroendocrinology

The neuroendocrine system plays a pivotal role in the control of growth, puberty, reproduction, and intermediate metabolism. The last decades have witnessed rapid progress in the understanding of the molecular and biochemical mechanisms involved in neuroendocrine function, paralleled by dramatic improvements in imaging techniques.

Hypercalcemia of Malignancy

Hypercalcemia is the most common life-threatening metabolic disorder associated with cancer. The pathophysiological, epidemiological and clinical aspects of hypercalcemia of malignancy are presented in this issue, with a focus on the recently discovered humoral factor responsible for the development of hypercalcemia. With a better understanding of the pathophysiology of this condition and the development of new potent drugs, capable of inhibiting bone resorption, especially bisphosphonates, the clinician will be more successful in correcting hypercalcemia in the great majority of patients.

Educating the Student Body

Physical inactivity is a key determinant of health across the lifespan. A lack of activity increases the risk of heart disease, colon and breast cancer, diabetes mellitus, hypertension, osteoporosis, anxiety and depression and other diseases. Emerging literature has suggested that in terms of mortality, the global population health burden of physical inactivity approaches that of cigarette smoking. The prevalence and substantial disease risk associated with physical inactivity has been described as a pandemic. The prevalence, health impact, and evidence of changeability all have resulted in calls

for action to increase physical activity across the lifespan. In response to the need to find ways to make physical activity a health priority for youth, the Institute of Medicine's Committee on Physical Activity and Physical Education in the School Environment was formed. Its purpose was to review the current status of physical activity and physical education in the school environment, including before, during, and after school, and examine the influences of physical activity and physical education on the short and long term physical, cognitive and brain, and psychosocial health and development of children and adolescents. Educating the Student Body makes recommendations about approaches for strengthening and improving programs and policies for physical activity and physical education in the school environment. This report lays out a set of guiding principles to guide its work on these tasks. These included: recognizing the benefits of instilling life-long physical activity habits in children; the value of using systems thinking in improving physical activity and physical education in the school environment; the recognition of current disparities in opportunities and the need to achieve equity in physical activity and physical education; the importance of considering all types of school environments; the need to take into consideration the diversity of students as recommendations are developed. This report will be of interest to local and national policymakers, school officials, teachers, and the education community, researchers, professional organizations, and parents interested in physical activity, physical education, and health for school-aged children and adolescents.

Williams Textbook of Endocrinology, 14 Edition: South Asia Edition, 2 Vol Set - E-Book

Williams Textbook of Endocrinology, 14 Edition: South Asia Edition, 2 Vol SET - E-Book

Endocrine Diseases of Newborn: Epidemiology, Pathogenesis, Therapeutic Option and Outcome

The most respected nutrition text for more than 50 years, Krause's Food & the Nutrition Care Process delivers comprehensive and up-to-date information from respected educators and practitioners in the field. The latest recommendations of the Dietary Guidelines for Americans 2010, new and expanded chapters, and a large variety of tables, boxes, and pathophysiology algorithms provide need-to-know information with ease, making this text perfect for use in class or everyday practice. Clear, logical organization details each step of complete nutritional care from assessment to therapy. UNIQUE! Pathophysiology algorithms clarify the illness process and to ensure more effective care. New Directions boxes reflect the latest research in emerging areas in nutrition therapy. Focus On boxes provide additional detail on key chapter concepts. Clinical Insight boxes and Clinical Scenarios with detailed Sample Nutrition Diagnosis statements help ensure the most accurate and effective interventions in practice. Key terms listed at the beginning of each chapter and bolded within the text provide quick access to important nutrition terminology. More than 1,000 self-assessment questions on a companion Evolve website reinforce key textbook content. Reorganized table of contents reinforces the Nutrition Care Process structure endorsed by the American Dietetic Association (ADA). New recommendations reflect a comprehensive approach to diet and nutrition that incorporates the Dietary Guidelines for Americans 2010, the MyPyramid food guide, and the Eating Well with Canada's Food Guide recommendations. MNT for Thyroid Disorders chapter details important nutrition considerations for managing thyroid disorders. New calcium and vitamin D Dietary Recommended Intakes (DRIs) improve monitoring of nutrient intake. Expanded Nutrition in Aging chapter includes assessment and nutritional care guidelines for the growing elderly patient population. Growth grids for children detail proper patient nutrition during infancy and early childhood. Extensively revised MNT for Food Allergies chapter highlights the importance of food allergy management in clinical nutrition therapy. Updated appendices enhance assessment accuracy with the latest laboratory findings and normal values.

Krause's Food & the Nutrition Care Process

Rev. ed. of: Advanced therapy of inflammatory bowel disease / [edited by] Theodore M. Bayless, Stephen B. Hanauer. 2001.

Metabolic Bone Disease in Children

This open access book focuses on imaging of the musculoskeletal diseases. Over the last few years, there have been considerable advances in this area, driven by clinical as well as technological developments. The authors are all internationally renowned experts in their field. They are also excellent teachers, and provide didactically outstanding chapters. The book is disease-oriented and covers all relevant imaging modalities, with particular emphasis on magnetic resonance imaging. Important aspects of pediatric imaging are also included. IDKD books are completely re-written every four years.

As a result, they offer a comprehensive review of the state of the art in imaging. The book is clearly structured with learning objectives, abstracts, subheadings, tables and take-home points, supported by design elements to help readers easily navigate through the text. As an IDKD book, it is particularly valuable for general radiologists, radiology residents, and interventional radiologists who want to update their diagnostic knowledge, and for clinicians interested in imaging as it relates to their specialty.

Advanced Therapy of Inflammatory Bowel Disease: Ulcerative Colitis (Volume 1), 3e

Anatomy and biology of bone matrix and cellular elements; Skeletal physiology; Mineral homeostasis; Clinical evaluation of bone and mineral disorders; Disorders of serum minerals; Metabolic bone diseases; Genetic, developmental, and dysplastic skeletal disorders; Acquired disorders of cartilage and bone; Paget's disease; Extraskeletal (ectopic) calcification and ossification; Nephrolithiasis; Dentistry.

Bone health and development in children and adolescents

Osteoporosis is one of the most clinically relevant disabling chronic disease encountered in clinical practice. A common cause of osteoporosis is glucocorticoid excess, as glucocorticoids may increase bone resorption, inhibit bone formation, have indirect actions on bone by decreasing intestinal calcium absorption and induce hypercalciuria. This book presents a comprehensive overview of the effects of glucocorticoids on bone metabolism and structure and on the diagnosis and treatment of glucocorticoid-induced osteoporosis. It aims at providing updated information on the pathogenesis, diagnosis and treatment of this often dramatic complication of glucocorticoid excess. Being one of the few publications completely devoted to glucocorticoid-induced osteoporosis it will heighten the awareness of specialists who prescribe glucocorticoids of the clinical relevance of this treatment complication. 'Glucocorticoid-Induced Osteoporosis' is addressed to clinical experts as well as to general practitioners who will both benefit from the comprehensive and integrative view of the management of patients exposed to glucocorticoids.

Musculoskeletal Diseases 2021-2024

This is the first book of its kind to focus solely on the female athlete triad - its origins, its recognition, and most importantly, its management. Since the symptoms themselves cover a range of medical specialties, chapters are written by experts in a number of relevant fields - sports medicine, orthopedics, endocrinology, and pediatrics - with an eye toward overall care of the young female athlete. Additionally, each chapter includes suggestions on how to educate and communicate with young athletes and their parents, as well as trainers and coaches, on how to manage the illness outside of the direct clinical setting. The female athlete triad is often seen in sports where low body weight is emphasized, such as gymnastics, figure skating, and running, though it can appear in any sport or activity. The interrelated symptoms - eating disorders, amenorrhea, and low bone mass - exist on a spectrum of severity and are serious and potentially life-threatening if not properly treated. Psychological problems, in addition to medical ones, are not uncommon. The Female Athlete Triad: A Clinical Guide discusses all of these areas for a well-rounded and in-depth approach to the phenomenon and will be a useful reference for any clinician working with female athletes across the lifespan.

Primer on the Metabolic Bone Diseases and Disorders of Mineral Metabolism

Fully updated new edition covering all aspects of bone and joint diseases in one easily readable volume. Color illustrations throughout.

Glucocorticoid-induced Osteoporosis

An ideal resource for both pediatricians and endocrinologists, Sperling's Pediatric Endocrinology, 5th Edition, brings you fully up to date with accelerating research; new discoveries in metabolic, biochemical and molecular mechanisms; and the resulting advances in today's clinical care. The editorial team of world-renowned pediatric endocrinologists led by Dr. Mark Sperling, as well as expert contributing authors, cover comprehensive and current aspects of both basic science and clinical practice. Whether you're preparing for certification or have extensive clinical experience, this detailed, authoritative reference helps you increase your knowledge and determine the best possible course for every patient. Delivers trusted guidance in every area of the field: including Endocrine Disorders of the Newborn, Endocrine Disorders of Childhood and Adolescence, and Laboratory Tests. Features new topics such as transgender issues in children and adolescents and endocrinology of pregnancy, the fetus and the

placenta. Offers expert coverage of hot topics such as disorders of sexual development, molecular basis of endocrine disorders, hypoglycemia in newborns and infants; neonatal and other monogenic forms of diabetes; Type I and Type II diabetes and their treatment with new insulins together with the progress in an artificial pancreas and new medications for T2DM in adolescents; the obesity epidemic and role of bariatric surgery; and advances toward personalized medicine. Includes easy-to-follow algorithms and numerous quick-reference tables and boxes in every clinical chapter, plus interactive questions online for self-assessment. Offers state-of-the-art information and fresh perspectives from new and award-winning authors in such areas as disorders of growth, multiple endocrine tumors, and puberty and its disorders in girls and boys.

The Female Athlete Triad

EDITOR-IN-CHIEF: Clifford J. Rosen, M.D., Maine Medical Center Research Institute, Scarborough, Maine SENIOR ASSOCIATE EDITORS: Juliet E. Compston, M.D., FRCP, University of Cambridge School of Clinical Medicine, Cambridge, United Kingdom Jane B. Lian, Ph.D., University of Massachusetts Medical School, Worcester, Massachusetts This comprehensive yet concise handbook is an indispensable reference for the many clinicians who see patients with disorders of bone formation, metabolic bone diseases, or disorders of stone formation. It is also a crucial tool for researchers, students, and all other professionals working in the bone field. In a format designed for quick reference, it provides complete information on the symptoms, pathophysiology, diagnosis, and treatment of all common and rare bone and mineral disorders. New in this edition: detailed coverage of osteonecrosis of the jaw, more in-depth coverage of cancer and bone including new approaches to pathogenesis, diagnosis, and treatment; new approaches to anabolic therapy of osteoporosis; the latest research on Vitamin D; expanded coverage of international topics; more on the genetics of bone mass; and newer imaging techniques for the skeleton. In addition, this edition features a free, online-only appendix of medicines used to treat bone disorders and their availability around the world.

Pathology of Bone and Joint Disorders Print and Online Bundle

Completely updated, the new edition of this easy-to-reference text examines the physiological, biochemical, and genetic aspects of pediatric endocrine disorders. Leaders in the field discuss the hottest topics-including genetics, diabetes and obesity-impacting today's endocrine practice, keeping you up to date. A user-friendly organization speeds you to the information you need, and conceptual illustrations and photographs depict the latest advances with consistency and clarity. It's the guidance you need to provide effective, state-of-the-art care for your pediatric and neonatal patients. Examines the physiological, biochemical, and genetic aspects of endocrine disorders all in one convenient reference. Incorporates the importance of molecular biology as it relates to developmental and pediatric endocrinology. Offers expanded coverage of genetics, diabetes and obesity-topics of increasing concern in pediatric endocrinology today. Presents the work of many new contributors for fresh perspectives on the current state of pediatric endocrinology. Provides new tables of normal values and growth charts for monitoring your patients' progress. Concepts, Endocrine Disorders of the Newborn, Endocrine Disorders of Childhood and Adolescence, and Laboratory Tests and Imaging-making the material easy to navigate.

Sperling Pediatric Endocrinology E-Book

We present to our readers the proceedings of the Second International Workshop on Phosphate. A short account of the history of the effort led to the Phosphate Workshops is appropriate and can be of interest to the reader. The idea for Phosphate Workshops was born in the early days of November, 1974. One of us (S. G. M.) suggested the thought to a group of scientists gathered for a luncheon in one of the attractive small restaurants in Weisbaden, Germany. The purpose of the workshop was to bring together interested scientists to discuss the newer developments and the recent advances in the field of phosphate metabolism and the other related minerals. An Organizing Committee made of Shaul G. Massry (USA), Louis V. Avioli (USA), Philippe Bordier (France), Herbert Fleisch (Switzerland), and Eduardo Slatopolsky (USA) was formed. The First Workshop was held in Paris during June 5-6, 1975 and was hosted by Dr. Philippe Bordier. Its proceeding was already published. The Second Workshop took place in Heidelberg during June 28-30, 1976 and was hosted by Dr. Eberhard Ritz. Both of these workshops were extremely successful scientific endeavors, and the need for them was demonstrated by the great interest they generated among the scientific community. The Organizing Committee,

therefore, decided to continue with the tradition to hold additional Workshops annually or every other year.

Primer on the Metabolic Bone Diseases and Disorders of Mineral Metabolism

Evaluates newer and established techniques of body composition assessment.

Pediatric Endocrinology

Adolescents have unique nutritional needs when compared to young children and adults. As youth go through physical, cognitive, and behavioral development, nutrition needs are dynamic and changing. If these needs go undetected and remain unaddressed, the results can derail physical and social maturation and include life-long effects on health. This comprehensive text offers a multidisciplinary perspective on aspects of adolescent nutrition. Using clinical cases, it covers relevant topics related to adolescent health including normal development, chronic health conditions, and complex biopsychosocial dynamics, among others. The first section of the text contains an overview of adolescent nutrition that is further broken down into more specific topics such as developmental nutrition needs, needs of active youth and athletes and media influences on body image. The next section focuses on health disparities such as culturally appropriate care, health equity, international considerations and food insecurity. The following section specifically addresses eating disorders ranging from anorexia and bulimia to binge eating. Finally, the last section covers additional health considerations such as polycystic ovarian syndrome, teen pregnancy, substance use and gender non-conforming youth. Written by experts in the field, this book is a helpful resource for primary care medical providers, registered dietitians/nutritionists (RDN), adolescent medicine specialists, as well as advanced practice nurses, physician assistants, psychologists, licensed social workers, and certified athletic trainers. /div

The British National Bibliography

The book is the first major review of menopause-associated osteoporosis, post WHI. The book has in-depth sections on the pathogenesis, epidemiology, and diagnosis of osteoporosis. The chief focus is on medical prevention and treatment, and includes chapters on hormone replacement therapy, bisphosphonates, selective estrogen receptor modulators (SER

Phosphate Metabolism

Pediatric Inflammatory Bowel Disease, Second Edition provides an essential reference with an emphasis on the unique pediatric issues of IBD. Chapters focus on complications of IBD specific to children and adolescents. Treatment recommendations are based on the latest clinical research available. The textbook also presents sections dedicated to the aspects of participation in clinical research unique to children and adolescents and the complicated yet vital process of successfully transitioning a patient from a pediatric to adult specialist. Controversies in pediatric IBD care such as the off-label use of medications are also covered. The format incorporates multiple tables, graphs, and figures to improve readability and make for an efficient reference for clinicians to use. Thoroughly revised and updated from the first edition, the volumes includes new therapies that are currently being used or tested for treatment of IBD, important areas regarding incidence and prevalence, immunization and response to vaccine administration as well as advancements in our understanding of growth and development with particular to the use of growth hormone therapy. Other new areas covered include important topics of complementary and alternative medicine use in IBD, immunization, and liver disease in IBD. Pediatric Inflammatory Bowel Disease, Second Edition is a valuable resource for pediatric gastroenterologists as well as adult gastroenterologists.

Body Composition Techniques in Health and Disease

Addresses the following questions: what is the optimal amount of calcium intake; what are the important cofactors for achieving optimal calcium intake; what are the risks associated with increased levels of calcium intake; what are the best ways to attain optimal calcium intake; what public health strategies are available and needed to implement optimal calcium intake recommendations; and what are the recommendations for future research on calcium intake.

Adolescent Nutrition

After more than 75 years, Nelson Textbook of Pediatrics remains your indispensable source for definitive, state-of-the-art answers on every aspect of pediatric care. Embracing the new advances in science as well as the time-honored art of pediatric practice, this classic reference provides the essential information that practitioners and other care providers involved in pediatric health care throughout the world need to understand to effectively address the enormous range of biologic, psychologic, and social problems that our children and youth may face. Brand-new chapters and comprehensive revisions throughout ensure that you have the most recent information on diagnosis and treatment of pediatric diseases based on the latest recommendations and methodologies. "The coverage of such a wide range of subjects relating to child health makes this textbook still the gold standard and companion for all pediatricians across the world." Reviewed by Neel Kamal, Sept 2015 "All in all, this is an excellent and detailed paediatric review textbook which represents excellent value for money..truly a textbook for the global community" Reviewed by glycosmedia.com, Sept 2015 Form a definitive diagnosis and create the best treatment plans possible using evidence-based medicine and astute clinical experiences from leading international authors-many new to this edition. A NEW two-volume layout provides superior portability and exceptional ease of use. Gain a more complete perspective. Along with a broader emphasis on imaging and molecular diagnoses and updated references, the new edition includes an increased focus on international issues to ensure relevance in pediatrics practice throughout the world. Effectively apply the latest techniques and approaches with complete updates throughout 35 new chapters, including: Innovations in Addressing Child Health and Survival in Low Income Settings; Developmental Domains and Theories of Cognition; The Reggio Emilia Educational Approach Catatonia ; Refeeding Syndrome; Altitude-associated Illness; Genetic Approaches to Rare and Undiagnosed Diseases; Healthcare?Associated Infections; Intrapartum and Peripartum Infections; Bath salts and other drugs of abuse; Small Fiber Polyneuropathy; Microbiome; *Kingella kingae*; Mitochondrial Neurogastrointestinal Encephalomyopathy; Nonalcoholic Fatty Liver Disease; Plagiocephaly; CNS Vasculitis; Anterior Cruciate Ligament Rupture; and Sports-Related Traumatic Brain Injury. Recognize, diagnose, and manage genetic and acquired conditions more effectively. A new Rehabilitation section with 10 new chapters, including: Evaluation of the Child for Rehabilitative Services; Severe Traumatic Brain Injury; Spinal Cord Injury and Autonomic Crisis Management; Spasticity; Birth Brachial Plexus Palsy; Traumatic and Sports-Related Injuries; Meningomyelocele; Health and Wellness for Children with Disabilities. Manage the transition to adult healthcare for children with chronic diseases through discussions of the overall health needs of patients with congenital heart defects, diabetes, and cystic fibrosis. Understand the principles of therapy and which drugs and dosages to prescribe for every disease. Expert Consult eBook version included with purchase. This enhanced eBook experience allows you to search all of the text, figures, and references from the book on a variety of devices.

Postmenopausal Osteoporosis

This new edition of Norbert Tietz's classic handbook presents information on common tests as well as rare and highly specialized tests and procedures - including a summary of the utility and merit of each test. Biological variables that may affect test results are discussed, and a focus is placed on reference ranges, diagnostic information, clinical interpretation of laboratory data, interferences, and specimen types. New and updated content has been added in all areas, with over 100 new tests added. Tests are divided into 8 main sections and arranged alphabetically. Each test includes necessary information such as test name (or disorder) and method, specimens and special requirements, reference ranges, chemical interferences and in vivo effects, kinetic values, diagnostic information, factors influencing drug disposition, and clinical comments and remarks. The most current and relevant tests are included; outdated tests have been eliminated. Test index (with extensive cross references) and disease index provide the reader with an easy way to find necessary information Four new sections in key areas (Preanalytical, Flow Cytometry, Pharmacogenomics, and Allergy) make this edition current and useful. New editor Alan Wu, who specializes in Clinical Chemistry and Toxicology, brings a wealth of experience and expertise to this edition. The Molecular Diagnostics section has been greatly expanded due to the increased prevalence of new molecular techniques being used in laboratories. References are now found after each test, rather than at the end of each section, for easier access.

Pediatric Inflammatory Bowel Disease

Optimal Calcium Intake

Popular Representations of Development

Although the academic study of development is well established, as is also its policy implementation, less considered are the broader, more popular understandings of development that often shape agendas and priorities, particularly in representative democracies. Through its accessible and provocative chapters, *Popular Representations of Development* introduces the idea that while the issue of 'development' – defined broadly as problems of poverty and social deprivation, and the various agencies and processes seeking to address these – is normally one that is discussed by social scientists and policy makers, it also has a wider 'popular' dimension. Development is something that can be understood through studying literature, films, and other non-conventional forms of representation. It is also a public issue, one that has historically been associated with musical movements such as Live Aid and increasingly features in newer media such as blogs and social networking. The book connects the effort to build a more holistic understanding of development issues with an exploration of the diverse public sphere in which popular engagement with development takes place. This book gives students of development studies, media studies and geography as well as students in the humanities engaging with global development issues a variety of perspectives from different disciplines to open up this new field for discussion.

New Media and International Development

New Media and International Development is the first in-depth examination of microfinance's enduring popularity with Northern publics. Through a case study of Kiva.org, the world's first person-to-person microlending website, and other microfinance organizations, the book argues that international development efforts have an affective dimension. This is fostered through narrative and visual representations, through the performance of development rituals and through bonds of fellowship between Northern donors and Southern recipients. These practices constitute people in the global North as everyday humanitarians and mobilize their affective investments, which are financial, social and emotional investments in distant others to alleviate their poverty. This book draws on ethnographic material from the US, India and Indonesia and the anthropological and development studies literature on humanitarianism, affect and the public faces of development. It opens up novel avenues of research into the formation of new development subjects in the global North. This book will appeal to researchers and students of international development, anthropology, media studies and related fields, as well as practitioners and professionals in the field of international development.

Art, Culture and International Development

Culture is not simply an explanation of last resort, but is itself a rich, multifaceted and contested concept and set of practices that needs to be expanded, appreciated and applied in fresh ways if it is to be both valued in itself and to be of use in practical development. This innovative book places culture, specifically in the form of the arts, back at the centre of debates in development studies by introducing new ways of conceptualizing art in relation to development. The book shows how the arts and development are related in very practical ways – as means to achieve development goals through visual, dramatic, filmic and craft-inspired ways. It advocates not so much culture and development, but rather for the development of culture. Without a cultural content to economic and social transformation the problems found in much development – up-rooting of cultures, loss of art forms, languages and modes of expression and performance – may only accelerate. Paying attention to the development of the arts as the content of development helps to amend this culturally destructive process. Finally, the book argues for the value of the arts in attaining sustainable cultures, promoting poverty alleviation, encouraging self-empowerment, stimulating creativity and the social imagination, which in turn flow back into wider processes of social transformation. Discussion questions at the end of each chapter make this book ideal to help foster further thinking and debate. This book is an inspiring read for postgraduate students and researchers in the fields of development studies, cultural studies and sociology of development.

Education, Learning and the Transformation of Development

Whilst education has been widely recognised as a key tool for development, this has tended to be limited to the incremental changes that education can bring about within a given development paradigm, as opposed to its role in challenging dominant conceptions and practices of development and creating alternatives. Through a collection of insightful and provocative chapters, this book will examine the role of learning in shaping new discourses and practices of development. By drawing on contributions from activists, researchers, education and development practitioners from around the world, this book

situates learning within the wider political and cultural economies of development. It critically explores if and how learning can shape processes of societal transformation, and consequently a new language and practice of development. This includes offering critical accounts of popular, informal and non-formal learning processes, as well as the contribution of indigenous knowledges, in providing spaces for the co-production of knowledge, thinking and action on development, and in terms of shaping the ways in which citizens engage with and create new understandings of 'development' itself. This book makes an important and original contribution by reframing educational practices and processes in relation to broader global struggles for justice, voice and development in a rapidly changing development landscape.

Celebrity Advocacy and International Development

Celebrity advocacy is a curious phenomenon. It occupies a significant proportion of the public domain, but does so without engaging particularly well with much of the public. Yet this may not matter very much. Many people at the core of advocacy, and in political and business elites, simply do not notice any lack of engagement. In these circles celebrity advocacy can be remarkably effective. *Celebrity Advocacy and International Development* examines the work of celebrity advocacy and lobbying in international development. Its purpose is to understand the alliances resulting, their history, consequences, wider contexts and implications. It argues that celebrity advocacy signals a new aspect of elite rule. For populist celebrity advocacy can mark, ironically, a disengagement between the public and politics, and particularly the public and civil society. Recognising this poses new challenges, but also presents new opportunities, for the development movement. This book gives students and researchers in development studies and media studies a wealth of original empirical data, including interviews across the NGO sector, media and celebrity industries, newspaper analysis, large surveys of public opinion, and focus group research.

Media and Development

Media matters. From encouraging charitable donations and delivering public health messages to promoting democratic participation and state accountability, the media can play a crucial role in development. Yet the influence of the media is not always welcome. It can also be used as a mechanism of surveillance and control or to disseminate hate speech and propaganda. How then should we respond to the growing importance of the media - including journalism, radio, television, community media and social media - for poverty and inequality? The first step is to acquire an informed and critical understanding of the multiple roles that the media can have in development. To help achieve this, this book provides concise and original introductions to the study and practice of communication for development (C4D), media development and media representations of development. In doing so it highlights the increasing importance of the media, whilst at the same time emphasising the varieties, complexities and contingencies of its role in social change. The broad and interdisciplinary focus of this book will make it attractive to anyone with an interest in media, communication, development, politics and social change.

Methodological Reflections on Researching Communication and Social Change

This book identifies the strengths and weaknesses of different methodological approaches to research in communication and social change. It examines the methodological opportunities and challenges occasioned by rapid technological affordances and society-wide transformations. This study provides grounded insights on these issues from a broad range of proficient academics and experienced practitioners. Overall, the different contributions address four key themes: a critical evaluation of different ethnographic approaches in researching communication for/and social change; a critical appraisal of visual methodologies and theatre for development research; a methodological appraisal of different participatory approaches to researching social change; and a critical examination of underlying assumptions of knowledge production within the dominant strands of methodological approaches to researching social change. In addressing these issues through a critical reflection of the methodological decisions and implications of their research projects, the contributors in this book offer perspectives that are highly relevant for students, researchers and practitioners within the broad field of communication for/and social change.

Sustainable Development Goals in the Asian Context

This book presents research that focuses on Sustainable Development in Asia. Chapters are extended works of papers presented at Communication/Culture and The Sustainable Development Goals (CCSDG): Challenges for a New Generation, an international conference held in Chiang Mai University in December 2015. The chapters address assessments of Millennium Development Goals in several Asian countries and the region as a whole. The book also identifies and discusses the changes and potential improvements in the transition from Millennium Development Goals (2000-2015) to Sustainable Development Goals (2015-2030). Areas that are covered in the book, which are illustrated with case studies, include Corporate Social Accountability, Information and Communications Technologies, and Small Medium Enterprises (SMEs). The book serves as a useful resource for academics, scholars, students, and policymakers, interested in Development Studies.

Research Handbook on the Sociology of International Law

Bringing together a highly diverse body of scholars, this comprehensive Research Handbook explores recent developments at the intersection of international law, sociology and social theory. It showcases a wide range of methodologies and approaches, including those inspired by traditional social thought as well as less familiar literature, including computational linguistics, performance theory and economic sociology. The Research Handbook highlights anew the potential contribution of sociological methods and theories to the study of international law, and illustrates their use in the examination of contemporary problems of practical interest to international lawyers.

Representing Poverty in the Anglophone Postcolonial World

Originally a concern primarily of social studies and economics, poverty has emerged as a significant thematic focus and analytical tool in literary and cultural studies in the last two decades. The "new poverty studies" are dedicated to analyzing representations of poverty and the poor in literature and the visual arts, in the news media and in social practices. They aim at exploring the frameworks of representation that impact the affective and ethical responses of audiences to disenfranchised groups such as the poor. The contributions to this volume focus on representations of poverty in the Anglophone postcolonial world, exploring, for example, contemporary discourses on poverty in the UK, filmic representations of Nairobi slums or the agency of the poor in literature from India.

International Aid and the Making of a Better World

How can international aid professionals manage to deal with the daily dilemmas of working for the wellbeing of people in countries other than their own? A scholar-activist and lifelong development practitioner seeks to answer that question in a book that provides a vivid and accessible insight into the world of aid – its people, ideas and values against the backdrop of a broader historical analysis of the contested ideals and politics of aid operations from the 1960s to the present day. Moving between aid-recipient countries, head office and global policy spaces, Rosalind Eyben critically examines her own behaviour to explore what happens when trying to improve people's lives in far-away countries and warns how self-deception may construct obstacles to the very change desired, considering the challenge to traditional aid practices posed by new donors like Brazil who speak of history and relationships. The book proposes that to help make this a better world, individuals and organisations working in international development must respond self-critically to the dilemmas of power and knowledge that shape aid's messy relations. Written in an accessible way with vignettes, stories and dialogue, this critical history of aid provides practical tools and methodology for students in development studies, anthropology and international studies and for development practitioners to adopt the habit of reflexivity when helping to make a better world.

Non-Governmental Organizations and Development

This book is an introduction to the wide-ranging topic of non-governmental organizations (NGOs) and development, combining a critical overview of the main research literature with a set of up-to-date theoretical and practical insights drawn from experience in Asia, Europe, Africa and elsewhere. The revised second edition highlights the continuing importance of NGOs in development, while fully engaging with the criticisms that their increased profile now attracts. It considers issues such as securitization, changing technologies, and recent concerns about safeguarding as well as going into more detail around topics such as market-based development and social enterprise. The diversity of NGOs and their roles is discussed against the broader historical background of struggles for social justice in different societies, as well as within the shifting ideological contexts of neoliberalism and

populism. Using a broad range of short case studies of both successful and unsuccessful interventions, the authors analyze how interest in NGOs has both reflected and informed wider theoretical trends and debates within development studies. The book argues that NGOs are central to both development theory and practice and are likely to remain important actors for many years to come. This critical overview will be useful to students of development studies at undergraduate and master's levels in fields and disciplines as diverse as International Development Studies, International Relations, Geography, Anthropology, Global Studies, Politics and International Studies, as well as general readers and practitioners.

Routledge Handbook of Ecocultural Identity

The Routledge Handbook of Ecocultural Identity brings the ecological turn to sociocultural understandings of self. The editors introduce a broad, insightful assembly of original theory and research on planetary positionalities in flux in the Anthropocene – or what in this Handbook cultural ecologist David Abram presciently renames the Humilocene, a new “epoch of humility.” Forty international authors craft a kaleidoscopic lens, focusing on the following key interdisciplinary inquiries: Part I illuminates identity as always ecocultural, expanding dominant understandings of who we are and how our ways of identifying engender earthly outcomes. Part II examines ways ecocultural identities are fostered and how difference and spaces of interaction can be sources of environmental conviviality. Part III illustrates consequential ways the media sphere informs, challenges, and amplifies particular ecocultural identities. Part IV delves into the constitutive power of ecocultural identities and illuminates ways ecological forces shape the political sphere. Part V demonstrates multiple and unspooling ways in which ecocultural identities can evolve and transform to recall ways forward to reciprocal surviving and thriving. The Routledge Handbook of Ecocultural Identity provides an essential resource for scholars, teachers, students, protectors, and practitioners interested in ecological and sociocultural regeneration. The Routledge Handbook of Ecocultural Identity has been awarded the 2020 Book Award from the National Communication Association's (USA) Environmental Communication Division.

The SAGE Handbook of Consumer Culture

The SAGE Handbook of Consumer Culture is a one-stop resource for scholars and students of consumption, where the key dimensions of consumer culture are critically discussed and articulated.

The Scientist in Popular Culture

This collection examines how scientists are represented in popular screen media, from blockbuster films and biopics to television drama. Contributors argue that across horror, science fiction, crime drama, and comedy, these fictional scientists embody the hopes and fears associated with real-life science.

Living Room Wars

Living Room Wars brings together Ien Ang's recent writings on media audiences to ask what it means to live in a world saturated by media.

Children, Deafness, and Deaf Cultures in Popular Media

Contributions by Cynthia Neese Bailes, Nina Batt, Lijun Bi, Hélène Chardon, Stuart Ching, Helene Ehriander, Xiangshu Fang, Sara Kersten-Parish, Helen Kilpatrick, Jessica Kirkness, Sung-Ae Lee, Jann Pataray-Ching, Angela Schill, Josh Simpson, John Stephens, Corinne Walsh, Nerida Wayland, and Vivian Yenika-Agbaw Children, Deafness, and Deaf Cultures in Popular Media examines how creative works have depicted what it means to be a deaf or hard of hearing child in the modern world. In this collection of critical essays, scholars discuss works that cover wide-ranging subjects and themes: growing up deaf in a hearing world, stigmas associated with deafness, rival modes of communication, friendship and discrimination, intergenerational tensions between hearing and nonhearing family members, and the complications of establishing self-identity in increasingly complex societies. Contributors explore most of the major genres of children's literature and film, including realistic fiction, particularly young adult novels, as well as works that make deft use of humor and parody. Further, scholars consider the expressive power of multimodal forms such as graphic novel and film to depict experience from the perspective of children. Representation of the point of view of child characters is central to this body of work and to the intersections of deafness with discourses of

diversity and social justice. The child point of view supports a subtle advocacy of a wider understanding of the multiple ways of being D/deaf and the capacity of D/deaf children to give meaning to their unique experiences, especially as they find themselves moving between hearing and Deaf communities. These essays will alert scholars of children's literature, as well as the reading public, to the many representations of deafness that, like deafness itself, pervade all cultures and are not limited to specific racial or sociocultural groups.

Chinua Achebe's Legacy

Chinua Achebe's novels and essays have always drawn our attention to issues of memory, the story, history and our own obligation to history as Africans. Achebe constantly goes back to the authority of narrative - the story; and as the subsequent generations of African writers like Chimamanda Adichie keep returning to, to celebrate Africa's many stories, its moments of failure and triumph. Achebe, more than any other writer on this continent, has inspired many, and hopefully the African story tellers of the coming centuries, irrespective of their location will continue to be inspired by him. This collection of essays is an enduring tribute to this rich legacy of Achebe.

Migration by Boat

At a time when thousands of refugees risk their lives undertaking perilous journeys by boat across the Mediterranean, this multidisciplinary volume could not be more pertinent. It offers various contemporary case studies of boat migrations undertaken by asylum seekers and refugees around the globe and shows that boats not only move people and cultural capital between places, but also fuel cultural fantasies, dreams of adventure and hope, along with fears of invasion and terrorism. The ambiguous nature of memories, media representations and popular culture productions are highlighted throughout in order to address negative stereotypes and conversely, humanize the individuals involved.

Cyberbullies, Cyberactivists, Cyberpredators

Written by an expert in media, popular culture, gender, and sexuality, this book surveys the common archetypes of Internet users—from geeks, nerds, and gamers to hackers, scammers, and predators—and assesses what these stereotypes reveal about our culture's attitudes regarding gender, technology, intimacy, and identity. The Internet has enabled an exponentially larger number of people—individuals who are members of numerous and vastly different subgroups—to be exposed to one other. As a result, instead of the simple "jocks versus geeks" paradigm of previous eras, our society now has more detailed stereotypes of the undesirable, the under-the-radar, and the ostracized: cyberperverts, neckbeards, goths, tech nerds, and anyone with a non-heterosexual identity. Each chapter of this book explores a different stereotype of the Internet user, with key themes—such as gender, technophobia, and sexuality—explored with regard to that specific characterization of online users. Author Lauren Rosewarne, PhD, supplies a highly interdisciplinary perspective that draws on research and theories from a range of fields—psychology, sociology, and communications studies as well as feminist theory, film theory, political science, and philosophy—to analyze what these stereotypes mean in the context of broader social and cultural issues. From cyberbullies to chronically masturbating porn addicts to desperate online-daters, readers will see the paradox in popular culture's message: that while Internet use is universal, actual Internet users are somehow subpar—less desirable, less cool, less friendly—than everybody else.

How the World Changed Social Media

How the World Changed Social Media is the first book in Why We Post, a book series that investigates the findings of anthropologists who each spent 15 months living in communities across the world. This book offers a comparative analysis summarising the results of the research and explores the impact of social media on politics and gender, education and commerce. What is the result of the increased emphasis on visual communication? Are we becoming more individual or more social? Why is public social media so conservative? Why does equality online fail to shift inequality offline? How did memes become the moral police of the internet? Supported by an introduction to the project's academic framework and theoretical terms that help to account for the findings, the book argues that the only way to appreciate and understand something as intimate and ubiquitous as social media is to be immersed in the lives of the people who post. Only then can we discover how people all around the world have already transformed social media in such unexpected ways and assess the consequences

Netflix and the Re-invention of Television

Studies of cultural tourism and indigenous identity are fraught with questions concerning exploitation, entitlement, ownership and authenticity. Unease with the idea of leveraging a group identity for commercial gain is ever-present. This anthology articulates some of these debates from a multitude of standpoints. It assimilates the perspectives of members of indigenous communities, non-governmental organizations, tourism practitioners and academic researchers who participated in an action research project that aims to link research to development outcomes.

Media and Glocal Change

Now in its fourth edition, this handbook is an essential resource for those interested in all aspects of qualitative research, and has been extensively revised and updated to cover new topics including applied ethnography, queer theory and auto-ethnography.

Cultural Tourism and Identity

Telling stories: an essay on gender, violence and popular culture -- Morality, legality and gender violence in *Angel* -- Policing the boundaries of desire in *Buffy the vampire slayer* -- Gender, ethics and political community in *Generation kill* -- Feminism and political strategy in *The west wing* -- Gender, violence and security in *Oz* -- Security and governance after modernity in *Firefly* -- Hope and the politics of natality in *The corner* -- Points de capiton: aesthetics, ethics and critique.

The SAGE Handbook of Qualitative Research

The history of the Jesus movement and earliest Christianity requires careful attention to the characteristics and peculiarities of oral and literate traditions. Understanding the distinctive elements of Greco-Roman literacy potentially has profound implications for the historical understanding of the documents and events involved. Concepts such as media criticism, orality, manuscript culture, scribal writing, and performative reading are explored in these chapters. The scene of Greco-Roman literacy is analyzed by investigating writing and reading practices. These aspects are then related to early Christian texts such as the Gospel of Mark and sections from Paul's letters.

Choice

This book examines narratives of individual religious transformation in Western European literature and culture. Religious individuals, themes, experiences and communities are widely represented in diverse literature and culture, including literary texts and visual arts and media. Taking the subject of religious transformation as an angle from which to study constructions of religion, gender and race, this book reveals through various case studies what authors, documentary makers, film makers and playwrights consider to be important (possible) shifts between the old and the new, continuities and discontinuities, and the formation of the self. The chapters demonstrate how individual religious transformations are understood to be shaped by various intersections of difference, and point at the need to consider gender as always related to and co-constructing religion and race. This transdisciplinary and intimate study provides a fresh lens through which to examine pressing questions regarding the place and future of religion, gender and race in contemporary Western Europe.

Gender, Violence and Popular Culture

Including essays from established and up-and-coming scholars, *Cinema, Television and History: New Approaches* rethinks, recontextualises and reviews the relationship between cinema, television and history. This volume incorporates a wide range of methods to a variety of topics, welcoming both empirical and theoretical approaches, as well as studies which merge the two. It is a book about how historical events are interpreted and adapted across cinema and television as the basis of a story, as much as it is about the endeavours of the practising historian through the exploration of the archive. Divided into five parts—"New meanings, new methods", "Re-contextualising cinema and television history", "Rethinking histories of cinema and television", "Rethinking history through cinema and television", and "The impact of new technologies"—the book is knowingly broad and diverse in terms of the case studies featured within it, and the means through which these examples are examined, explored, and utilised in their respective chapters.

Orality and Literacy in Early Christianity

Drawing on extensive data including news media reports and commentaries, documentaries, courts and court reports, films, websites, professional literature and government and non-government agencies, this book explores the 'Alzheimerisation' of the euthanasia debate, examining the shift in recent years in public attitudes towards the desirability and moral permissibility of euthanasia as an end-of-life 'solution' for people living with the disease - not just at its end stage, but also at earlier stages. With attention to media representations and public understandings of Alzheimer's disease, *Alzheimer's Disease, Media Representations and the Politics of Euthanasia* sheds light on the processes contributing to these changes in public opinion, investigating the drivers of vexed political debate surrounding the issue and examining the manner in which both sides of the euthanasia debate mobilise support, portray their opponents and make use of media technologies to frame the terms of discourse. Paving the way for a greater level of intellectual honesty with regard to an issue carrying significant policy implications, this book will be of interest to scholars of media and communication, social movements and political communication, and the sociology of health and medicine, as well as researchers and professionals in the fields of palliative and end of life care.

Religion, Gender and Race in Western European Arts and Culture

The rise of Creative Writing has been accompanied from the start by two questions: can it be taught, and should it be taught? This scepticism is sometimes shared even by those who teach it, who often find themselves split between two contradictory identities: the artistic and the academic. *Against Creative Writing* explores the difference between 'writing', which is what writers do, and Creative Writing, which is the instrumentalisation of what writers do. Beginning with the question of whether writing can or ought to be taught, it looks in turn at the justifications for BA, MA, and PhD courses, and concludes with the divided role of the writer who teaches. It argues in favour of Creative Writing as a form of hands-on literary education at undergraduate level and a form of literary apprenticeship at graduate level, especially in widening access to new voices. It argues against those forms of Creative Writing that lose sight of literary values – as seen in the proliferation of curricular couplings with non-literary subjects, or the increasing emphasis on developing skills for future employment. *Against Creative Writing*, written by a writer, is addressed to other writers, inside or outside the academy, at undergraduate or graduate level, whether 'creative' or 'critical'.

Resources in Education

Non-governmental organizations (NGOs) are high profile actors in the field of international development, both as providers of services to vulnerable individuals and communities and as campaigning policy advocates. This book provides a critical introduction to the wide-ranging topic of NGOs and development. Written by two authors with more than twenty years experience of research and practice in the field, the book combines a critical overview of the main research literature with a set of up-to-date theoretical and practical insights drawn from experience in Asia, Europe, Africa and elsewhere. It highlights the importance of NGOs in development, but it also engages fully with the criticisms that the increased profile of NGOs in development now attracts. *Non-Governmental Organizations and Development* begins with a discussion of the wide diversity of NGOs and their roles, and locates their recent rise to prominence within broader histories of struggle as well as within the ideological context of neo-liberalism. It then moves on to analyze how interest in NGOs has both reflected and informed wider theoretical trends and debates within development studies, before analyzing NGOs and their practices, using a broad range of short case studies of successful and unsuccessful interventions. David Lewis and Nazneen Kanji then moves on to describe the ways in which NGOs are increasingly important in relation to ideas and debates about 'civil society', globalization and the changing ideas and practices of international aid. The book argues that NGOs are now central to development theory and practice and are likely to remain important actors in development in the years to come. In order to appreciate the issues raised by their increasing diversity and complexity, the authors conclude that it is necessary to deploy a historically and theoretically informed perspective. This critical overview will be useful to students of development studies at undergraduate and masters levels, as well as to more general readers and practitioners. The format of the book includes figures, photographs and case studies as well as reader material in the form of summary points and questions. Despite the growing importance of the topic, no single short, up-to-date book exists that sets out the main issues in the form of a clearly written, academically-informed text: until now.

APAIS 1994: Australian public affairs information service

The Mediterranean island of Cyprus is the site of enduring political, military, and economic conflict. This interdisciplinary collection takes Cyprus as a geographical, cultural and political point of reference for understanding how conflict is mediated, represented, reconstructed, experienced, and transformed. Through methodologically diverse case studies of a wide range of topics—including public art, urban spaces, and print, broadcast and digital media—it assembles an impressively multifaceted perspective, one that provides broad insights into the complex interplay of culture, conflict, and identity.

Cinema, Television and History

While some have argued that we live in a 'postfeminist' era that renders feminism irrelevant to people's contemporary lives this book takes 'feminism', the source of eternal debate, contestation and ambivalence, and situates the term within the popular, cultural practices of everyday life. It explores the intimate connections between the politics of feminism and the representational practices of contemporary popular culture, examining how feminism is 'made sensible' through visual imagery and popular culture representations. It investigates how popular culture is produced, represented and consumed to reproduce the conditions in which feminism is valued or dismissed, and asks whether antifeminism exists in commodity form and is commercially viable. Written in an accessible style and analysing a broad range of popular culture artefacts (including commercial advertising, printed and digital news-related journalism and commentary, music, film, television programming, websites and social media), this book will be of use to students, researchers and practitioners of International Relations, International Political Economy and gender, cultural and media studies.

Alzheimer's Disease, Media Representations and the Politics of Euthanasia

This book explores popular culture representations of gender, offering a rich and accessible discussion of masculinities and femininities in 21st-century popular media. It brings together contributors from various European countries to investigate the workings of gender in contemporary pop culture products in a brave, original, and rigorous way. This volume is both an academic proposal and an exercise of commitment to a serious analysis of some of the media that influence us most in our everyday lives. Representation matters, and the position we take as viewers or consumers during reception matters even more.

Against Creative Writing

Using sources from a wide variety of print and digital media, this book discusses the need for ample and healthy portrayals of disability and neurodiversity in the media, as the primary way that most people learn about conditions. It contains 13 newly written chapters drawing on representations of disability in popular culture from film, television, and print media in both the Global North and the Global South, including the United States, Canada, India, and Kenya. Although disability is often framed using a limited range of stereotypical tropes such as victims, supercrips, or suffering patients, this book shows how disability and neurodiversity are making their way into more mainstream media productions and publications with movies, television shows, and books featuring prominent and even lead characters with disabilities or neurodiversity. *Disability Representation in Film, TV, and Print Media* will be of interest to all scholars and students of disability studies, cultural studies, film studies, gender studies, and sociology more broadly.

Non-Governmental Organizations and Development

This book examines the role of community filmmaking in society and its connection with issues of cultural diversity, innovation, policy and practice in various places. Deploying a range of examples from Europe, North America, Australia and Hong Kong, the chapters show that film emerging from outside the mainstream film industries and within community contexts can lead to innovation in terms of both content and processes and a better representation of the cultural diversity of a range of communities and places. The book aims to situate the community filmmaker as the central node in the complex network of relationships between diverse communities, funding bodies, policy and the film industries.

Cyprus and its Conflicts

Popular Culture, Political Economy and the Death of Feminism

AI Agents And Environments | Types Of AI Agents | AI Agents Examples | Simplilearn - AI Agents And Environments | Types Of AI Agents | AI Agents Examples | Simplilearn by Simplilearn 24,740 views 1 year ago 5 minutes, 51 seconds - **AI Agents**, And Environments by Simplilearn is a tutorial based on Artificial intelligence and Machine Learning paradigms.

Lessons Developing Conversational AI Virtual Agents | ServiceNow - Lessons Developing Conversational AI Virtual Agents | ServiceNow by Data Council 567 views 3 years ago 23 minutes - This talk will cover building conversational AI using deep learning **technologies**, and lessons learnt in developing conversational ...

Introduction

A new world of Conversational Interfaces

Conversing with a Device is a reality

Conversational Interface Experience

Conversational Interaction Design

Conversational Workflow Building Blocks

Deep Learning for NLP

Sequence Learning for Natural Language Processing

Transformer Network

Deep Learning Models for Conversational AI

Scaling Training Deep Learning Models

Summary

Conversational Agents: Chatbots to Humanoids | Assoc. Prof. Dr. Aida Mustapha | TEDxAPUKL -

Conversational Agents: Chatbots to Humanoids | Assoc. Prof. Dr. Aida Mustapha | TEDxAPUKL by TEDx Talks 1,104 views 5 years ago 13 minutes, 32 seconds - The need for conversational **agents**, rise to support natural interfaces for ambient **technologies**, such as the autonomous car, smart ...

Intro

Aidas story

Conversational Agents

Spoken Conversation Agents

Intention

Agent-Based Modeling: Interactions - Agent-Based Modeling: Interactions by Complexity Explorer 2,790 views 4 years ago 8 minutes, 43 seconds - These videos are from the Introduction to **Agent**, Based **Modeling**, course on Complexity Explorer (complexityexplorer.org) taught ...

Environment Self Interactions

Agent Ancient Interactions

Environment Interactions

Agent Self Interaction

Environment Self Interaction

Diffuse Interaction

Generative Agents: Interactive Simulacra of Human Behavior - Joon Sung Park (Stanford) - Generative Agents: Interactive Simulacra of Human Behavior - Joon Sung Park (Stanford) by Center for Language & Speech Processing (CLSP), JHU 6,906 views 6 months ago 45 minutes - So how do we do this how did we achieve this **agent**, Behavior. So our **agents**, need to find need a way to store and selectively ...

Create a Culture of Feedback - Create a Culture of Feedback by Simon Sinek 42,123 views 4 months ago 2 minutes, 35 seconds - True leaders recognize and reward the importance of **constructive**, feedback. Looking to create a culture of feedback with your ...

Try THIS the Next Time You Have an Uncomfortable Conversation | Simon Sinek - Try THIS the Next Time You Have an Uncomfortable Conversation | Simon Sinek by Simon Sinek 411,061 views 7 months ago 4 minutes, 25 seconds - The best way to practice uncomfortable conversations is by actually having them. + + + Simon is an unshakable optimist.

How to Give Negative Feedback Without People HATING YOU! 3-Steps to Giving Negative Feedback at Work - How to Give Negative Feedback Without People HATING YOU! 3-Steps to Giving Negative Feedback at Work by Kara Ronin 55,850 views 1 year ago 7 minutes, 33 seconds - If you're a new manager or leader, you've probably wondered how to give negative feedback to an employee. Whether you like it ...

How to give negative feedback without people hating you.

Two important rules when giving negative feedback.

Why using the feedback sandwich is a bad idea.

How to be clear and direct when giving negative feedback (example!)

Discuss how they can improve.

Create a follow-up plan.

What to do when they do a good job.

What to do if you're worried about people not liking you.

What's the Difference Between Speech Delay and Autism? - What's the Difference Between Speech Delay and Autism? by Agents of Speech 289,508 views 1 year ago 10 minutes, 34 seconds - HUGE disclaimer: I am not saying that diagnoses are useless. It's very helpful for professionals. What I mean when I say ...

Types of Speech Errors

Reasons Why a Child Is Delayed in Speech and Language

Does Speech Delay Equal Autism

Multi-Agent Hide and Seek - Multi-Agent Hide and Seek by OpenAI 10,364,951 views 4 years ago 2 minutes, 58 seconds - We've observed **agents**, discovering progressively more complex tool use while playing a simple game of hide-and-seek. Through ...

Multiple Door Blocking

Ramp Use

Ramp Defense

Shelter Construction

Box Surfing

Surf Defense

Feedback is a Gift - Feedback is a Gift by FourBlock 154,376 views 4 years ago 9 minutes, 28 seconds - In this video, Simon Sinek will discuss the power of feedback and how being more receptive to feedback is imperative to ...

The Truth about Being the "Stupidest" in the Room | Simon Sinek - The Truth about Being the "Stupidest" in the Room | Simon Sinek by Simon Sinek 6,131,039 views 3 years ago 2 minutes, 17 seconds - It's likely that if you're having trouble understanding something, then somebody else in the room is as well. Asking questions ...

We Talked To Sophia — The AI Robot That Once Said It Would 'Destroy Humans' - We Talked To Sophia — The AI Robot That Once Said It Would 'Destroy Humans' by Insider Tech 7,041,455 views 6 years ago 3 minutes, 39 seconds - This AI robot once said it wanted to destroy humans. Senior correspondent Steve Kovach interviews Sophia, the world's first robot ...

She is the world's first robot citizen.

Hi, Sophia. How are you?

How do you feel about humans?

I love my human compatriots.

Can humans and robots get along?

Can robots have feelings?

What are your feelings and preferences?

Do you want to live or work with a robot someday?

Have you ever seen "Black Mirror"?

What do you think of the HBO show "Westworld"?

I love "Westworld" and can't wait for more.

Do you have a favorite movie or TV show?

The Joy of Getting Feedback | Joe Hirsch | TEDxTarrytown - The Joy of Getting Feedback | Joe Hirsch | TEDxTarrytown by TEDx Talks 162,166 views 5 years ago 8 minutes, 39 seconds - What if getting feedback wasn't a source of fear, but joy? In this personal talk, speaker/author Joe Hirsch makes a passionate case ...

Intro

Fear

Feedback

Feed Forward

Mirror Holding

Outro

Facebook A.I. Robots shut down after creating their own language |Artificial Intelligence |#facebook - Facebook A.I. Robots shut down after creating their own language |Artificial Intelligence |#facebook by News Bite Global 3,332,700 views 6 years ago 2 minutes, 39 seconds - Facebook has shut down two artificial intelligences that appeared to be chatting to each other in a strange language only they ...

Developing a Personality Model for Speech-based Conversational Agents Using the Psycholexical ...
- Developing a Personality Model for Speech-based Conversational Agents Using the Psycholexical ... by ACM SIGCHI 486 views 3 years ago 11 minutes, 13 seconds - Developing a Personality **Model**, for **Speech**,-based Conversational **Agents**, Using the Psycholexical Approach Sarah Theres ...
Introduction
Refinement
Personality Dimensions
CS885 Lecture 19b: Learning cooperative visual dialog agents (Presenter: Nalin Chhibber) - CS885
Lecture 19b: Learning cooperative visual dialog agents (Presenter: Nalin Chhibber) by Pascal Poupart 442 views 5 years ago 14 minutes, 39 seconds - Self-talk = infinite data Goal-based = evaluation on downstream task **Agent**,-driven = **agents**, learn to deal with consequences of ...
Bing Dialog Model: Intent, Knowledge, and User Interaction - Bing Dialog Model: Intent, Knowledge, and User Interaction by Microsoft Research 222 views 7 years ago 1 hour, 25 minutes - NULL.
Introduction
Intelligence
Perspective
Statistics
Cigarette
Being vs Google
Speed Performance
Ease of Use
Simplify the Task
Demo
Verticals
Image
World Cup
Fresh Results
Party Octopus
Mariners
Mariners vs Yankees
Compare
Search Vertical
News
News Vertical
News Freshness
Social Networks
Quick Tabs
Music
Games
Entertainment
Math
Why Bing
Bing Dialog Model
Autosuggest
Los Angeles
How did you know
Query Compensation
Technology
Document Level Dialog
Embodied Conversational AI Agents in a Multi-modal Multi-agent Competitive Dialogue - Embodied Conversational AI Agents in a Multi-modal Multi-agent Competitive Dialogue by Rahul Divekar 515 views 3 years ago 53 seconds - Research prototype at Rensselaer Polytechnic Institute (in collaboration with IBM) showing two embodied AI **agents**, that can ...
A Conversational Agent for Neural Networks: Construction, Training and Utilization - A Conversational Agent for Neural Networks: Construction, Training and Utilization by Wolfram 303 views 5 years ago 27 minutes - Speaker: Anton Antonov Wolfram developers and colleagues discussed the latest in innovative **technologies**, for cloud computing, ...
Introduction
Methodology

Regression

Language

Algebraic Structures

Single Command Interpreter

Neural Network Chain

Neural Network Training

Neural Network Implementation

Neural Network Monitor

Example

Modeling speech recognition and synthesis simultaneously (Interspeech 2022) - Modeling speech recognition and synthesis simultaneously (Interspeech 2022) by Gasper Begus 569 views 1 year ago 15 minutes - Title: **Modeling speech**, recognition and synthesis simultaneously: Encoding and decoding lexical and sublexical semantic ...

Introduction

Holistic and featural learning

Verify with the Generator

Testing holistic encoding

Agent-Based Modeling: Agent Granularity and Other Types of Agents - Agent-Based Modeling: Agent Granularity and Other Types of Agents by Complexity Explorer 944 views 4 years ago 8 minutes, 54 seconds - These videos are from the Introduction to **Agent**, Based **Modeling**, course on Complexity Explorer (complexityexplorer.org) taught ...

Intro

Meta Agents

Tie Command

Proto Agents

Iris: A Conversational Agent for Complex Tasks - Iris: A Conversational Agent for Complex Tasks by ACM SIGCHI 1,408 views 5 years ago 20 minutes - Iris: A Conversational **Agent**, for Complex Tasks Ethan Fast, Binbin Chen, Julia Mendelsohn, Jonathan Bassen, Michael S.

Introduction

Programming

Example

People

Design Space

Conversation Analysis Theory

Language is ambiguous

Related work

Overview

Technical Contributions

User Study

Speed

Qualitative Feedback

Future Directions

Partnerships

Speech technology in conversational agents | Interspeech 2020 | Amazon Science - Speech technology in conversational agents | Interspeech 2020 | Amazon Science by Amazon Science 1,543 views 3 years ago 36 minutes - Interspeech is a technical conference focused on **speech**, processing and application, emphasizing interdisciplinary approaches ...

Introduction

How Alexa came to be

Science behind Alexa

Attention and Filtering

Personalization

Hybrid ASR architecture

Future of virtual assistants

Effects of Communication Directionality and AI Agent Differences in Human-AI Interaction - Effects of Communication Directionality and AI Agent Differences in Human-AI Interaction by ACM SIGCHI 181 views 2 years ago 5 minutes, 25 seconds - Effects of Communication Directionality and AI **Agent**, Differences in Human-AI **Interaction**, Zahra Ashktorab, Casey Dugan, James ...

How Users Interact with Different Types of Intelligent Agents - How Users Interact with Different Types

of Intelligent Agents by SpeechTEK Conference 30 views 4 years ago 3 minutes, 50 seconds - Ulster University Professor Michael McTear discusses how **interactions**, differ with different intelligent **agents**,, from one-shot ...

Intro

Types of Interaction

MultiTurn Dialogues

Internet of Things

PLOW: A Collaborative Task Learning Agent - PLOW: A Collaborative Task Learning Agent by Microsoft Research 85 views 7 years ago 1 hour, 6 minutes - To be effective, an **agent**, that collaborates with humans needs to be able to learn new tasks from humans they work with.

THE CHALLENGE

THE APPROACH: AN INTEGRATED AGENT

OUTLINE

EXAMPLE: IDENTIFYING PARAMETERS task action type: FIND

NATURAL LANGUAGE CHALLENGES

THE PLOW COMPONENTS

THE TRIPS LANGUAGE DEEP UNDERSTANDING SYSTEM

LEARNING A BASIC "PRECEPTUAL" ACTION

LEARNING A BASIC ACTION

LEARNING ITERATIONS USING MIXED INITIATIVE INTERACTION

EVALUATION

WHAT COULDN'T PLOW LEARN?

Search filters

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Playback

General

Subtitles and closed captions

Spherical videos

use of speech, children are able to communicate to and learn from others through dialogue, which is an important tool in the ZPD. In a dialogue, a child's... 82 KB (9,026 words) - 07:23, 12 February 2024
Empirical Route to Logical 'Conventionalism'. Logic, Rationality, and Interaction. Lecture Notes in Computer Science. Vol. 10455. pp. 631–636. doi:10... 154 KB (16,813 words) - 20:20, 13 March 2024
socio-communication and interaction skills. Music therapy may also contribute to improved selective attention, speech production, and language processing and acquisition... 129 KB (16,136 words) - 21:19, 6 March 2024

first paper on his methodology "rational psychotherapy". This and later works defined what is now known as rational emotive behavior therapy (REBT).... 157 KB (17,907 words) - 22:51, 28 January 2024

vice versa, and we must take as our model how Christ accommodated the disciples in his interactions with them, and accommodated humans in his incarnation... 386 KB (45,949 words) - 22:47, 13 March 2024

sociological suggestion seems to be that: in a society's progressive, constructive era, its best characters come to the fore, and no character masks are necessary... 120 KB (16,755 words) - 19:04, 11 December 2023

Handbook on Data Envelopment Analysis

This handbook covers DEA topics that are extensively used and solidly based. The purpose of the handbook is to (1) describe and elucidate the state of the field and (2), where appropriate, extend the frontier of DEA research. It defines the state-of-the-art of DEA methodology and its uses. This handbook is intended to represent a milestone in the progression of DEA. Written by experts, who are generally major contributors to the topics to be covered, it includes a comprehensive review and discussion of basic DEA models, which, in the present issue extensions to the basic DEA methods, and a collection of DEA applications in the areas of banking, engineering, health care, and services. The handbook's chapters are organized into two categories: (i) basic DEA models, concepts, and their extensions, and (ii) DEA applications. First edition contributors have returned to update their work. The second edition includes updated versions of selected first edition chapters. New chapters have been added on: different approaches with no need for a priori choices of weights (called "multipliers")

that reflect meaningful trade-offs, construction of static and dynamic DEA technologies, slacks-based model and its extensions, DEA models for DMUs that have internal structures network DEA that can be used for measuring supply chain operations, Selection of DEA applications in the service sector with a focus on building a conceptual framework, research design and interpreting results.

Handbook of Operations Analytics Using Data Envelopment Analysis

This handbook focuses on Data Envelopment Analysis (DEA) applications in operations analytics which are fundamental tools and techniques for improving operation functions and attaining long-term competitiveness. In fact, the handbook demonstrates that DEA can be viewed as Data Envelopment Analytics. Chapters include a review of cross-efficiency evaluation; a case study on measuring the environmental performance of OECS countries; how to select a set of performance metrics in DEA with an application to American banks; a relational network model to take the operations of individual periods into account in measuring efficiencies; how the efficient frontier methods DEA and stochastic frontier analysis (SFA) can be used synergistically; and how to integrate DEA and multidimensional scaling. In other chapters, authors construct a dynamic three-stage network DEA model; a bootstrapping based methodology to evaluate returns to scale and convexity assumptions in DEA; hybridizing DEA and cooperative games; using DEA to represent the production technology and directional distance functions to measure bank performance; an input-specific Luenberger energy and environmental productivity indicator; and the issue of reference set by differentiating between the uniquely found reference set and the unary and maximal types of the reference set. Finally, additional chapters evaluate and compare the technological advancement observed in different hybrid electric vehicles (HEV) market segments over the past 15 years; radial measurement of efficiency for the production process possessing multi-components under different production technologies; issues around the use of accounting information in DEA; how to use DEA environmental assessment to establish corporate sustainability; a summary of research efforts on DEA environmental assessment applied to energy in the last 30 years; and an overview of DEA and how it can be utilized alone and with other techniques to investigate corporate environmental sustainability questions.

Data Envelopment Analysis

This handbook serves as a complement to the Handbook on Data Envelopment Analysis (eds, W.W. Cooper, L.M. Seiford and J. Zhu, 2011, Springer) in an effort to extend the frontier of DEA research. It provides a comprehensive source for the state-of-the art DEA modeling on internal structures and network DEA. Chapter 1 provides a survey on two-stage network performance decomposition and modeling techniques. Chapter 2 discusses the pitfalls in network DEA modeling. Chapter 3 discusses efficiency decompositions in network DEA under three types of structures, namely series, parallel and dynamic. Chapter 4 studies the determination of the network DEA frontier. In chapter 5 additive efficiency decomposition in network DEA is discussed. An approach in scale efficiency measurement in two-stage networks is presented in chapter 6. Chapter 7 further discusses the scale efficiency decomposition in two stage networks. Chapter 8 offers a bargaining game approach to modeling two-stage networks. Chapter 9 studies shared resources and efficiency decomposition in two-stage networks. Chapter 10 introduces an approach to computing the technical efficiency scores for a dynamic production network and its sub-processes. Chapter 11 presents a slacks-based network DEA. Chapter 12 discusses a DEA modeling technique for a two-stage network process where the inputs of the second stage include both the outputs from the first stage and additional inputs to the second stage. Chapter 13 presents an efficiency measurement methodology for multi-stage production systems. Chapter 14 discusses network DEA models, both static and dynamic. The discussion also explores various useful objective functions that can be applied to the models to find the optimal allocation of resources for processes within the black box, that are normally invisible to DEA. Chapter 15 provides a comprehensive review of various type network DEA modeling techniques. Chapter 16 presents shared resources models for deriving aggregate measures of bank-branch performance, with accompanying component measures that make up that aggregate value. Chapter 17 examines a set of manufacturing plants operating under a single umbrella, with the objective being to use the component or function measures to decide what might be considered as each plant's core business. Chapter 18 considers problem settings where there may be clusters or groups of DMUs that form a hierarchy. The specific case of a set off electric power plants is examined in this context. Chapter 19 models bad outputs in two-stage network DEA. Chapter 20 presents an application of network DEA to performance measurement of Major League Baseball (MLB) teams. Chapter 21 presents an application

of a two-stage network DEA model for examining the performance of 30 U.S. airline companies. Chapter 22 then presents two distinct network efficiency models that are applied to engineering systems.

Data Envelopment Analysis

This handbook represents a milestone in the progression of Data Envelopment Analysis (DEA). Written by experts who are often major contributors to DEA theory, it includes a collection of chapters that represent the current state-of-the-art in DEA research. Topics include distance functions and their value duals, cross-efficiency measures in DEA, integer DEA, weight restrictions and production trade-offs, facet analysis in DEA, scale elasticity, benchmarking and context-dependent DEA, fuzzy DEA, non-homogenous units, partial input-output relations, super efficiency, treatment of undesirable measures, translation invariance, stochastic nonparametric envelopment of data, and global frontier index. Focusing only on new models/approaches of DEA, the book includes contributions from Juan Aparicio, Mette Asmild, Yao Chen, Wade D. Cook, Juan Du, Rolf Färe, Julie Harrison, Raha Imanirad, Andrew Johnson, Chiang Kao, Abolfazl Keshvari, Timo Kuosmanen, Sungmook Lim, Wenbin Liu, Dimitri Margaritis, Reza Kazemi Matin, Ole B. Olesen, Jesus T. Pastor, Niels Chr. Petersen, Victor V. Podinovski, Paul Rouse, Antti Saastamoinen, Bires K. Sahoo, Kaoru Tone, and Zhongbao Zhou.

Data Envelopment Analysis

This handbook compiles state-of-the-art empirical studies and applications using Data Envelopment Analysis (DEA). It includes a collection of 18 chapters written by DEA experts. Chapter 1 examines the performance of CEOs of U.S. banks and thrifts. Chapter 2 describes the network operational structure of transportation organizations and the relative network data envelopment analysis model. Chapter 3 demonstrates how to use different types of DEA models to compute total-factor energy efficiency scores with an application to energy efficiency. In chapter 4, the authors explore the impact of incorporating customers' willingness to pay for service quality in benchmarking models on cost efficiency of distribution networks, and chapter 5 provides a brief review of previous applications of DEA to the professional baseball industry, followed by two detailed applications to Major League Baseball. Chapter 6 examines efficiency and productivity of U.S. property-liability (P-L) insurers using DEA, while chapter 7 presents a two-stage network DEA model that decomposes the overall efficiency of a decision-making unit into two components. Chapter 8 presents a review of the literature of DEA models for the performance assessment of mutual funds, and chapter 9 discusses the management strategies formulation of the international tourist hotel industry in Taiwan. Chapter 10 presents a novel use of the two-stage network DEA to evaluate sustainable product design performances. In chapter 11 authors highlight limitations of some DEA environmental efficiency models, and chapter 12 reviews applications of DEA in secondary and tertiary education. Chapter 13 measures the relative performance of New York State school districts in the 2011-2012 academic year. Chapter 14 provides an introductory prelude to chapters 15 and 16, which both provide detailed applications of DEA in marketing. Chapter 17 then shows how to decompose a new total factor productivity index that satisfies all economically-relevant axioms from index theory with an application to U.S. agriculture. Finally, chapter 18 presents a unique study that conducts a DEA research front analysis, applying a network clustering method to group the DEA literature over the period 2000 to 2014.

Operations Research and Health Care

In both rich and poor nations, public resources for health care are inadequate to meet demand. Policy makers and health care providers must determine how to provide the most effective health care to citizens using the limited resources that are available. This chapter describes current and future challenges in the delivery of health care, and outlines the role that operations research (OR) models can play in helping to solve those problems. The chapter concludes with an overview of this book – its intended audience, the areas covered, and a description of the subsequent chapters. **KEY WORDS** Health care delivery, Health care planning **HEALTH CARE DELIVERY: PROBLEMS AND CHALLENGES** 3 1.1 **WORLDWIDE HEALTH: THE PAST 50 YEARS** Human health has improved significantly in the last 50 years. In 1950, global life expectancy was 46 years [1]. That figure rose to 61 years by 1980 and to 67 years by 1998 [2]. Much of these gains occurred in low- and middle-income countries, and were due in large part to improved nutrition and sanitation, medical innovations, and improvements in public health infrastructure.

Quantitative Models for Performance Evaluation and Benchmarking

Managers are often under great pressure to improve the performance of their organizations. To improve performance, one needs to constantly evaluate operations or processes related to producing products, providing services, and marketing and selling products. Performance evaluation and benchmarking are a widely used method to identify and adopt best practices as a means to improve performance and increase productivity, and are particularly valuable when no objective or engineered standard is available to define efficient and effective performance. For this reason, benchmarking is often used in managing service operations, because service standards (benchmarks) are more difficult to define than manufacturing standards. Benchmarks can be established but they are somewhat limited as they work with single measurements one at a time. It is difficult to evaluate an organization's performance when there are multiple inputs and outputs to the system. The difficulties are further enhanced when the relationships between the inputs and the outputs are complex and involve unknown tradeoffs. It is critical to show benchmarks where multiple measurements exist. The current book introduces the methodology of data envelopment analysis (DEA) and its uses in performance evaluation and benchmarking under the context of multiple performance measures.

Data-Enabled Analytics

This book explores the novel uses and potentials of Data Envelopment Analysis (DEA) under big data. These areas are of widespread interest to researchers and practitioners alike. Considering the vast literature on DEA, one could say that DEA has been and continues to be, a widely used technique both in performance and productivity measurement, having covered a plethora of challenges and debates within the modelling framework.

Data Envelopment Analysis

The current book introduces the methodology of data envelopment analysis (DEA) as a data-oriented operations analytics. This data analysis tool analyzes multiple performance metrics, integrates multi-dimensional data into a composite index, and recommends directions for improvement. A number of DEA books have been written for conventional and new DEA models. Yet, many of these books still require fundamental and necessary knowledge on linear mathematical optimization. This book is uniquely designed to present the DEA methodology in an applied setting where a reader is not required to have the knowledge on linear programming and linear algebra.

Data Science and Productivity Analytics

This book includes a spectrum of concepts, such as performance, productivity, operations research, econometrics, and data science, for the practically and theoretically important areas of 'productivity analysis/data envelopment analysis' and 'data science/big data'. Data science is defined as the collection of scientific methods, processes, and systems dedicated to extracting knowledge or insights from data and it develops on concepts from various domains, containing mathematics and statistical methods, operations research, machine learning, computer programming, pattern recognition, and data visualisation, among others. Examples of data science techniques include linear and logistic regressions, decision trees, Naïve Bayesian classifier, principal component analysis, neural networks, predictive modelling, deep learning, text analysis, survival analysis, and so on, all of which allow using the data to make more intelligent decisions. On the other hand, it is without a doubt that nowadays the amount of data is exponentially increasing, and analysing large data sets has become a key basis of competition and innovation, underpinning new waves of productivity growth. This book aims to bring a fresh look onto the various ways that data science techniques could unleash value and drive productivity from these mountains of data. Researchers working in productivity analysis/data envelopment analysis will benefit from learning about the tools available in data science/big data that can be used in their current research analyses and endeavours. The data scientists, on the other hand, will also get benefit from learning about the plethora of applications available in productivity analysis/data envelopment analysis.

Data Envelopment Analysis in the Financial Services Industry

This book presents the methodology and applications of Data Envelopment Analysis (DEA) in measuring productivity, efficiency and effectiveness in Financial Services firms such as banks, bank branches, stock markets, pension funds, mutual funds, insurance firms, credit unions, risk tolerance, and corporate failure prediction. Financial service DEA research includes banking; insurance businesses; hedge, pension and mutual funds; and credit unions. Significant business transactions among financial service

organizations such as bank mergers and acquisitions and valuation of IPOs have also been the focus of DEA research. The book looks at the range of DEA uses for financial services by presenting prior studies, examining the current capabilities reflected in the most recent research, and projecting future new uses of DEA in finance related applications.

Handbook of Operations Research and Management Science in Higher Education

This handbook covers various areas of Higher Education (HE) in which operations research/management science (OR/MS) techniques are used. Key examples include: international comparisons, university rankings, and rating academic efficiency with Data Envelopment Analysis (DEA); formulating academic strategy with balanced scorecard; budgeting and planning with linear and quadratic models; student forecasting; E-learning evaluation; faculty evaluation with questionnaires and multivariate statistics; marketing for HE; analytic and educational simulation; academic information systems; technology transfer with systems analysis; and examination timetabling. Overviews, case studies and findings on advanced OR/MS applications in various functional areas of HE are included.

Data Envelopment Analysis in the Financial Services Industry

This book presents the methodology and applications of Data Envelopment Analysis (DEA) in measuring productivity, efficiency and effectiveness in Financial Services firms such as banks, bank branches, stock markets, pension funds, mutual funds, insurance firms, credit unions, risk tolerance, and corporate failure prediction. Financial service DEA research includes banking; insurance businesses; hedge, pension and mutual funds; and credit unions. Significant business transactions among financial service organizations such as bank mergers and acquisitions and valuation of IPOs have also been the focus of DEA research. The book looks at the range of DEA uses for financial services by presenting prior studies, examining the current capabilities reflected in the most recent research, and projecting future new uses of DEA in finance related applications.

Data Envelopment Analysis with GAMS

This book provides a comprehensive and practical introduction to Data Envelopment Analysis (DEA). It explains how this non-parametric technique is used to measure performance and extract efficiency from homogeneous entities within a production procedure. It situates DEA within a growing field of productivity analysis and performance measurement, for which numerous models have been proposed. This book encapsulates all of the advances in DEA models proposed in the literature. These models are presented in the context of the GAMS software, which is a powerful tool for mathematical programming models. This book serves two educational purposes: it introduces readers to DEA models and provides examples using GAMS. In addition, the reader is introduced to GAMS programming, as well as innovative and practical applications. GAMS codes are available for free, allowing readers to test and expand the models to meet their specific needs.

Benchmarking with DEA, SFA, and R

This book covers recent advances in efficiency evaluations, most notably Data Envelopment Analysis (DEA) and Stochastic Frontier Analysis (SFA) methods. It introduces the underlying theories, shows how to make the relevant calculations and discusses applications. The aim is to make the reader aware of the pros and cons of the different methods and to show how to use these methods in both standard and non-standard cases. Several software packages have been developed to solve some of the most common DEA and SFA models. This book relies on R, a free, open source software environment for statistical computing and graphics. This enables the reader to solve not only standard problems, but also many other problem variants. Using R, one can focus on understanding the context and developing a good model. One is not restricted to predefined model variants and to a one-size-fits-all approach. To facilitate the use of R, the authors have developed an R package called Benchmarking, which implements the main methods within both DEA and SFA. The book uses mathematical formulations of models and assumptions, but it de-emphasizes the formal proofs - in part by placing them in appendices -- or by referring to the original sources. Moreover, the book emphasizes the usage of the theories and the interpretations of the mathematical formulations. It includes a series of small examples, graphical illustrations, simple extensions and questions to think about. Also, it combines the formal models with less formal economic and organizational thinking. Last but not least it discusses some larger applications with significant practical impacts, including the design of benchmarking-based regulations

of energy companies in different European countries, and the development of merger control programs for competition authorities.

Data Envelopment Analysis and Effective Performance Assessment

For any organization, analysis of performance and effectiveness through available data allows for informed decision making. Data envelopment analysis, or DEA, is a popular, effective method that can be used to measure productive efficiency in operations management assessment. Data Envelopment Analysis and Effective Performance Assessment addresses the myriad of practical uses and innovative developments of DEA. Emphasizing the importance of analyzing productivity by measuring inputs, goals, economic growth, and performance, this book covers a wide breadth of innovative knowledge. This book is essential reading for managers, business professionals, students of business and ICT, and computer engineers.

Quantitative Models for Performance Evaluation and Benchmarking

The author is one of the prominent researchers in the field of Data Envelopment Analysis (DEA), a powerful data analysis tool that can be used in performance evaluation and benchmarking. This book is based upon the author's years of research and teaching experiences. It is difficult to evaluate an organization's performance when multiple performance metrics are present. The difficulties are further enhanced when the relationships among the performance metrics are complex and involve unknown tradeoffs. This book introduces Data Envelopment Analysis (DEA) as a multiple-measure performance evaluation and benchmarking tool. The focus of performance evaluation and benchmarking is shifted from characterizing performance in terms of single measures to evaluating performance as a multidimensional systems perspective. Conventional and new DEA approaches are presented and discussed using Excel spreadsheets — one of the most effective ways to analyze and evaluate decision alternatives. The user can easily develop and customize new DEA models based upon these spreadsheets. DEA models and approaches are presented to deal with performance evaluation problems in a variety of contexts. For example, a context-dependent DEA measures the relative attractiveness of similar operations/processes/products. Sensitivity analysis techniques can be easily applied, and used to identify critical performance measures. Two-stage network efficiency models can be utilized to study performance of supply chain. DEA benchmarking models extend DEA's ability in performance evaluation. Various cross efficiency approaches are presented to provide peer evaluation scores. This book also provides an easy-to-use DEA software — DEA Frontier. This DEA Frontier is an Add-In for Microsoft® Excel and provides a custom menu of DEA approaches. This version of DEA Frontier is for use with Excel 97-2013 under Windows and can solve up to 50 DMUs, subject to the capacity of Excel Solver. It is an extremely powerful tool that can assist decision-makers in benchmarking and analyzing complex operational performance issues in manufacturing organizations as well as evaluating processes in banking, retail, franchising, health care, public services and many other industries.

Network Data Envelopment Analysis

This book presents the underlying theory, model development, and applications of network Data Envelopment Analysis (DEA) in a systematic way. The field of network DEA extends and complements conventional DEA by considering not only inputs and outputs when measuring system efficiency, but also the internal structure of the system being analyzed. By analyzing the efficiency of individual internal components, and more particularly by studying the effects of relationships among components which are modeled and implemented by means of various network structures, the "network DEA" approach is able to help identify and manage the specific components that contribute inefficiencies into the overall systems. This relatively new approach comprises an important analytical tool based on mathematical programming techniques, with valuable implications to production and operations management. The existing models for measuring the efficiency of systems of specific network structures are also discussed, and the relationships between the system and component efficiencies are explored. This book should be able to inspire new research and new applications based on the current state of the art. Performance evaluation is an important task in management, and is needed to (i) better understand the past accomplishments of an organization and (ii) plan for its future development. However, this task becomes rather challenging when multiple performance metrics are involved. DEA is a powerful tool to cope with such issues. For systems or operations composed of interrelated processes, managers need to know how the performances of the various processes evaluated and how they are aggregated to

form the overall performance of the system. This book provides an advanced exposition on performance evaluation of systems with network structures. It explores the network nature of most production and operation systems, and explains why network analyses are necessary.

An Introduction to Data Envelopment Analysis

Data Envelopment Analysis (DEA) is a mathematical programming technique with a number of practical applications for measuring the performance of similar units such as a set of hospitals, a set of schools, or a set of banks. This book is designed as an introductory text, both for students and professionals. It includes a number of case studies as well as exercises and solved problems.

Extension of Data Envelopment Analysis with Preference Information

This book provides an introduction to incorporating preference information in Data Envelopment Analysis (DEA) with a special emphasis in Value Efficiency Analysis. In addition to theoretical considerations, numerous illustrative examples are included. Hence, the book can be used as a teaching text as well. Only a modest mathematical background is needed to understand the main principles. The only prerequisites are a) familiarity with linear algebra, especially matrix calculus; b) knowledge of the simplex method; and c) familiarity with the use of computer software. The book is organized as follows. Chapter 1 provides motivation and introduces the basic concepts. Chapter 2 provides the basic ideas and models of Data Envelopment Analysis. The efficient frontier and production possibility set concepts play an important role in all considerations. That's why these concepts are considered more closely in Chapter 3. Since the approaches introduced in this study are inspired by Multiple Objective Linear Programming, the basic concepts of this field are reviewed in Chapter 4. Chapter 5 also compares and contrasts Data Envelopment Analysis and Multiple Objective Linear Programming, providing some cornerstones for approaches presented later in the book. Chapter 6 discusses the traditional approaches to take into account preference information in DEA. In Chapter 7, Value Efficiency is introduced, and Chapter 8 discusses practical aspects. Some extensions are presented in Chapter 9, and in Chapter 10 Value Efficiency is extended to cover the case when a production possibility set is not convex. Three implemented applications are reviewed in Chapter 11.

New Perspectives in Operations Research and Management Science

This book presents innovative operations research applications in business, specifically industrial engineering and its sub-disciplines. It investigates new perspectives in operations research and management science with regard to research methods, the research context, and industrial engineering, offering readers a broad range of new approaches to management problems. The book features the latest work of researchers who have worked with Professor Fusun Ulengin or built upon her work in their academic careers. Written in honor of Prof. Ulengin, this book was edited by her former Ph.D. students, who are now experts in operations research, multiple criteria decision making, competitiveness, logistics, and supply chain management. Prof. Ulengin's impact in academia is visible in the range of topics and methodologies featured in this book: Location and transportation problems, competitiveness of nations, food supply chains, debt collection, mathematical modelling, multiple criteria decision making, data envelopment analysis, random forests, and Bayesian networks.

Decision Making and Performance Evaluation Using Data Envelopment Analysis

This book offers new transparent views and step-by-step methods for performance evaluation of a set of units using Data Envelopment Analysis (DEA). The book has twelve practical chapters. Elementary concepts and definitions are gradually built in Chapters 1-6 based upon four examples of one input and one output factors, two input factors, two output factors, and four input and three output factors. Simultaneously, the mathematical foundations using linear programming are also introduced without any prerequisites. A reader with basic knowledge of mathematics and computers is able to understand the contents of the book. In addition, to prevent pre-judgment about the available concepts and definitions in the DEA literature, some new phrases are introduced and, after elucidating each phrase in detail in Chapters 1-6, they are reintroduced for industry-wide accuracy in Chapter 7. After that, some of the more advanced DEA topics are illustrated in Chapters 8-12, such as: production-planning problems, output-input ratio analysis, efficiency over different time periods, Malmquist efficiency indexes, and a delta neighborhood model. A clear overview of many of the elementary and advanced concepts of DEA is provided, including Technical Efficiency, Relative Efficiency, Cost/Revenue/Profit Efficiency, Price/Overall Efficiency, the DEA axioms, the mathematical background to measure technical efficiency

and overall efficiency, the multiplier/envelopment form of basic DEA models in input/output-orientation, the multiplier/envelopment of Additive DEA model, the multiplier/envelopment of slacks-based models, and others. The book also covers a variety of DEA techniques, input-output ratio analysis, the natural relationships between DEA frontier and the ratio of output to input factors, production-planning problems, planning ideas with a centralized decision-making unit, context-dependent DEA, Malmquist efficiency index, efficiency over different time periods, and others. End-of-chapter exercises are provided for each chapter.

Handbook of Research on Strategic Performance Management and Measurement Using Data Envelopment Analysis

Organizations can use the valuable tool of data envelopment analysis (DEA) to make informed decisions on developing successful strategies, setting specific goals, and identifying underperforming activities to improve the output or outcome of performance measurement. The Handbook of Research on Strategic Performance Management and Measurement Using Data Envelopment Analysis highlights the advantages of using DEA as a tool to improve business performance and identify sources of inefficiency in public and private organizations. These recently developed theories and applications of DEA will be useful for policymakers, managers, and practitioners in the areas of sustainable development of our society including environment, agriculture, finance, and higher education sectors.

Stochastic Benchmarking

This book introduces readers to benchmarking techniques in the stochastic environment, primarily stochastic data envelopment analysis (DEA), and provides stochastic models in DEA for the possibility of variations in inputs and outputs. It focuses on the application of theories and interpretations of the mathematical programs, which are combined with economic and organizational thinking. The book's main purpose is to shed light on the advantages of the different methods in deterministic and stochastic environments and thoroughly prepare readers to properly use these methods in various cases. Simple examples, along with graphical illustrations and real-world applications in industry, are provided for a better understanding. The models introduced here can be easily used in both theoretical and real-world evaluations. This book is intended for graduate and PhD students, advanced consultants, and practitioners with an interest in quantitative performance evaluation.

Managing Service Productivity

This volume describes how frontier efficiency methodologies such as Data Envelopment Analysis (DEA) and other techniques such as multi-criteria decision making can help service industries to improve their performance by providing a ranking of best-practice efficient service units and by identifying sources of inefficiency for each service unit. It explains how they can be used to determine potential improvement targets for each of the inefficient service units, to identify peers for each service organization and to provide a basis for continuous performance improvement. Presenting applications in a variety of industries, this book will be useful for the service management to improve service productivity, profitability, sustainability and quality and effectiveness of service deliveries. A free trial version of the World's leading Data Envelopment Analysis Software (PIM-DEA) is available for readers of this book.

Health Care Benchmarking and Performance Evaluation

This new edition continues to emphasize the use of data envelopment analysis (DEA) to create optimization-based benchmarks within hospitals, physician group practices, health maintenance organizations, nursing homes and other health care delivery organizations. Suitable for graduate students learning DEA applications in health care as well as for practicing administrators, it is divided into two sections covering methods and applications. Section I considers efficiency evaluations using DEA; returns to scale; weight restricted (multiplier) models; non-oriented or slack-based models, including in this edition two versions of non-controllable variable models and categorical variable models; longitudinal (panel) evaluations and the effectiveness dimension of performance evaluation. A new chapter then looks at new and advanced models of DEA, including super-efficiency, congestion DEA, network DEA, and dynamic network models. Mathematical formulations of various DEA models are placed in end-of-chapter appendices. Section II then looks at health care applications within particular settings, chapter-by-chapter, including hospitals, physician practices, nursing homes and health maintenance organizations (HMOs). Other chapters then explore home health care and home

health agencies; dialysis centers, community mental health centers, community-based your services, organ procurement organizations, aging agencies and dental providers; DEA models to evaluate provider performance for specific treatments, including stroke, mechanical ventilation and perioperative services. A new chapter then examines international-country-based applications of DEA in health care in 16 different countries, along with OECD and multi-country studies. Most of the existing chapters in this section were expanded with recent applications. Included with the book is online access to a learning version of DEA Solver software, written by Professor Kaoru Tone, which can solve up to 50 DMUs for various DEA models listed in the User's Guide at the end of the book.

Data Envelopment Analysis with R

This book introduces readers to the use of R codes for optimization problems. First, it provides the necessary background to understand data envelopment analysis (DEA), with a special emphasis on fuzzy DEA. It then describes DEA models, including fuzzy DEA models, and shows how to use them to solve optimization problems with R. Further, it discusses the main advantages of R in optimization problems, and provides R codes based on real-world data sets throughout. Offering a comprehensive review of DEA and fuzzy DEA models and the corresponding R codes, this practice-oriented reference guide is intended for masters and Ph.D. students in various disciplines, as well as practitioners and researchers.

Data Envelopment Analysis

Using the neo-classical theory of production economics as the analytical framework, this book, first published in 2004, provides a unified and easily comprehensible, yet fairly rigorous, exposition of the core literature on data envelopment analysis (DEA) for readers based in different disciplines. The various DEA models are developed as nonparametric alternatives to the econometric models. Apart from the standard fare consisting of the basic input- and output-oriented DEA models formulated by Charnes, Cooper, and Rhodes, and Banker, Charnes, and Cooper, the book covers developments such as the directional distance function, free disposal hull (FDH) analysis, non-radial measures of efficiency, multiplier bounds, mergers and break-up of firms, and measurement of productivity change through the Malmquist total factor productivity index. The chapter on efficiency measurement using market prices provides the critical link between DEA and the neo-classical theory of a competitive firm. The book also covers several forms of stochastic DEA in detail.

Data Envelopment Analysis

Data Envelopment Analysis (DEA) represents a milestone in the progression of a continuously advancing methodology for data analysis, which finds extensive use in industry, society and even in education. This book is a handy encyclopedia for researchers, students and practitioners looking for the latest and most comprehensive references in DEA. J.K. Mantri has specifically selected 22 research papers where DEA is applied in different fields so that the techniques discussed in this book can be used for various applications. In *A Bibliography of Data Envelopment Analysis (1978-2001)*, Gabriel Tavares states that DEA is a mathematical programme for measuring performance efficiency of organizations popularly named as decision-making units (DMU). The DMU can be of any kind such as manufacturing units, a number of schools, banks, hospitals, police stations, firms, etc. DEA measures the performance efficiency of these kinds of DMUs, which share a common characteristic: they have a non-profit organization where measurement is difficult. DEA assumes the performance of the DMU using the concepts of efficiency and productivity, which are measured as the ratio of total outputs to total inputs. The efficiencies estimated are relative to the best performing DMU, which is given a score of 100%. The performance of other DMUs varies between 0% and 100%.

Research Methodology on Data Envelopment Analysis (DEA)

This book provides a comprehensive and practical introduction to Data Envelopment Analysis (DEA). It explains how this non-parametric technique is used to measure performance and extract efficiency from homogeneous entities within a production procedure. It situates DEA within a growing field of productivity analysis and performance measurement, for which numerous models have been proposed. This book encapsulates all of the advances in DEA models proposed in the literature. These models are presented in the context of the GAMS software, which is a powerful tool for mathematical programming models. This book serves two educational purposes: it introduces readers to DEA models and provides examples using GAMS. In addition, the reader is introduced to GAMS programming, as well as

innovative and practical applications. GAMS codes are available for free, allowing readers to test and expand the models to meet their specific needs.

Data Envelopment Analysis with GAMS

This book offers a comprehensive reference guide to operations research theory and applications in health care systems. It provides readers with all the necessary tools for solving health care problems. The respective chapters, written by prominent researchers, explain a wealth of both basic and advanced concepts of operations research for the management of operating rooms, intensive care units, supply chain, emergency medical service, human resources, lean health care, and procurement. To foster a better understanding, the chapters include relevant examples or case studies. Taken together, they form an excellent reference guide for researchers, lecturers and postgraduate students pursuing research on health care management problems. The book presents a dynamic snapshot on the field that is expected to stimulate new directions and stimulate new ideas and developments.

Operations Research Applications in Health Care Management

This second edition systematically presents the underlying theory, model development, and applications of network Data Envelopment Analysis (DEA). It discusses the models used to measure the efficiency of systems in specific network structures and introduces readers to the latest applications. It demonstrates how the “network DEA” approach helps identify and manage the specific components that cause inefficiencies in the overall system. The existing models for measuring the efficiency of systems in specific network structures are also discussed, and the relationships between system efficiency and component efficiency are explored. Moreover, the book provides an advanced exposition on performance evaluation of systems with network structures. It explores the networked nature of most production and operation systems, and explains why network analyses are necessary. Accordingly, the book will inspire new research and applications based on the state of the art. In this new edition, the latest research advances and discoveries are discussed. Two new chapters on Linkage Efficiency and External and Internal Evaluations have been added. This book is mainly aimed at researchers and graduate students who are interested in performance evaluation, DEA, and multi-criteria decision analysis. Practitioners who want to measure the performance of production, operation, or any type of decision-making units will also find it useful.

Network Data Envelopment Analysis

Introduces a bold, new model for energy industry pollution prevention and sustainable growth Balancing industrial pollution prevention with economic growth is one of the knottiest problems faced by industry today. This book introduces a novel approach to using data envelopment analysis (DEA) as a powerful tool for achieving that balance in the energy industries—the world's largest producers of greenhouse gases. It describes a rigorous framework that integrates elements of the social sciences, corporate strategy, regional economics, energy economics, and environmental policy, and delivers a methodology and a set of strategies for promoting green innovation while solving key managerial challenges to greenhouse gas reduction and business growth. In writing this book the authors have drawn upon their pioneering work and considerable experience in the field to develop an unconventional, holistic approach to using DEA to assess key aspects of sustainability development. The book is divided into two sections, the first of which lays out a conventional framework of DEA as the basis for new research directions. In the second section, the authors delve into conceptual and methodological extensions of conventional DEA for solving problems of environmental assessment in all contemporary energy industry sectors. Introduces a powerful new approach to using DEA to achieve pollution prevention, sustainability, and business growth Covers the fundamentals of DEA, including theory, statistical models, and practical issues of conventional applications of DEA Explores new statistical modeling strategies and explores their economic and business implications Examines applications of DEA to environmental analysis across the complete range of energy industries, including coal, petroleum, shale gas, nuclear energy, renewables, and more Summarizes important studies and nearly 800 peer reviewed articles on energy, the environment, and sustainability Environmental Assessment on Energy and Sustainability by Data Envelopment Analysis is must-reading for researchers, academics, graduate students, and practitioners in the energy industries, as well as government officials and policymakers tasked with regulating the environmental impacts of industrial pollution.

Environmental Assessment on Energy and Sustainability by Data Envelopment Analysis

Drawn from a conference honoring Gerald L. Thompson, the pioneer of operations research, this volume brings together some of the latest writings of major figures in the field. The volume is divided into four parts: the first part reviews the career and significance of Thompson, the second concentrates on linear and nonlinear optimization, the third looks at network and integer programming, and the fourth provides examples of applications-oriented research in manufacturing. This volume will be an invaluable resource for all scholars and researchers involved in theory and methodology in operations research and management science.

Operations Research

Hugely relevant in today's world of healthcare performance management, this comprehensive work applies the analytical framework of Data Envelopment Analysis methodology to provide health care administrators with specific tools for performance evaluation. Most important, the book provides health care practitioners and administrators with information of what is lacking in specific aspects of performance and then outlines the ways how these performance inadequacies can be improved.

Health Care Benchmarking and Performance Evaluation

This book provides a complete analysis of educational production and costs using the nonparametric technique known as Data Envelopment Analysis (DEA). The book focuses on estimation of technical, allocative and scale efficiency in the public sector characterized by the influence of exogenous socio-economic variables. State of the art DEA models will be presented and fully discussed. Specific education topics important to policy makers including adequacy, technical, allocative and scale efficiency, productivity and environmental costs will be analyzed. To illustrate how these techniques can be applied to school systems worldwide, the authors use data on Australian elementary and high schools to develop nonparametric measures that will help inform current policy debate in Australia. The purpose of the book is to provide a comprehensive analysis of educational production using numerous public sector DEA models. We provide a review of DEA with SAS programming code to estimate technical, scale and allocative efficiency in chapter 2. In chapter 3, we extend the DEA models to control for exogenous factors of production. SAS code is also provided to estimate all public sector models. We use simulated data to illustrate the results. Chapters 4–6 provide a complete analysis of the primary and secondary schools. We analyze input and output oriented models and derive measures of technical, allocative and scale efficiency. We also provide estimates of environmental costs that arise from schools facing different operating environments based on socioeconomic conditions. In addition, we show how DEA can provide insight on adequacy—the minimum cost of providing a pre-defined adequate education. The models presented are consistent with public sector production in general and educational production in particular. We also provide a complete analysis of educational productivity for both primary and secondary schools using state of the art public sector Malmquist measures. The authors use current data on Australian schools to highlight important policy questions related to efficiency and productivity given concerns that schools are not allocatively scarce resources in an economic efficient way. This research focus comes at an important watershed moment in the Australian Federal Governments' current involvement in designing new nationally consistent funding models for both government and non-government schooling sectors with effect from 2014. A new National School Resourcing Standard is proposed to be implemented signaling a move to resource adequacy, school efficiency and value for money dimensions. These standards are consistent with the measures presented and estimated in this book. As a result, the models implemented in this book can serve as the basis to evaluate the funding changes associated with the transition from a 'centralized' to a new 'decentralized' set of school funding arrangements.

Nonparametric Estimation of Educational Production and Costs using Data Envelopment Analysis

Arising from the urgent operational issues of World War II, the philosophy and methodology of Operations Research (OR) has permeated the resolution of decision problems in business, industry, and government. This work recounts the evolution of OR as the science of decision making. It chronicles the history of OR in the form of expository entries.

An Annotated Timeline of Operations Research

From 1972 to 1974, I was working on a PhD thesis entitled Multiple Server Queues with Service Time Depending on Waiting Time. The method of analysis was the embedded Markov chain technique, described in the papers [82] and [77]. My analysis involved lengthy, tedious derivations of systems

of integral equations for the probability density function (pdf) of the waiting time. After pondering for many months whether there might be a faster, easier way to derive the integral equations, I finally discovered the basic theorems for such a method in August, 1974. The theorems establish a connection between sample-path level-crossing rates of the virtual wait process and the pdf of the waiting time. This connection was not found anywhere else in the literature at the time. I immediately developed a comprehensive new methodology for deriving the integral equations based on these theorems, and called it system point theory. (Subsequently it was called system point method, or system point level crossing method: SPLC or simply LC.) I rewrote the entire PhD thesis from November 1974 to March 1975, using LC to reach solutions. The new thesis was called System Point Theory in Exponential Queues. On June 12, 1975 I presented an invited talk on the new methodology at the Fifth Conference on Stochastic Processes and their Applications at the University of Maryland. Many queueing theorists were present.

Level Crossing Methods in Stochastic Models

This book presents carefully selected chapters from the proceedings of the 6th International Scientific Conference on Business and Economics (ISCBE), Tetovo, North Macedonia, which took place in May 2023. The chapters address a wide range of areas relevant to contemporary business and economics issues such as economic shocks, high inflation, energy crisis, COVID-19, growth prospects, economic forecast, labor market, gender inequalities, migration, entrepreneurship, and family businesses, firm development and innovations, technological transformation, etc. Researchers learn about the latest studies that discuss emerging challenges and perspectives of business and economics in the perspective of post-crisis economic recovery, consolidation, and stability.

Economic Recovery, Consolidation, and Sustainable Growth

[dissociation in children and adolescents a developmental perspective](#)

Dissociative Identity Disorder (DID) Diagnosis in Adolescents and Young Adults - Dissociative Identity Disorder (DID) Diagnosis in Adolescents and Young Adults by Utah Center for Evidence Based Treatment 8,611 views 9 months ago 1 hour, 55 minutes - Dissociative Identity Disorder (DID) is a diagnosis that has been mired in controversy even before social media has broadened ...

Introduction

What is dissociation

Dissociation chart

Dissociation spectrum

Symptoms

Diagnostic Criteria

Important Vocabulary

Types of Structural Dissociation

Normal Parts

Questions

Red Flags

Barriers to Diagnosis

Common Misconceptions

Did vs Schizophrenia

CanDID resolve

Other Pieces

Alters

Split

Pieces

Worldwide prevalence

The Relationship Between Dissociation and Panic Symptoms in Adolescence - The Relationship Between Dissociation and Panic Symptoms in Adolescence by Association for Child and Adolescent Mental Health 45 views 9 days ago 16 minutes - DOI: 10.13056/acamh.26252 In this Papers Podcast, Lottie Shipp discusses her JCPP Advances paper 'The relationship between ...

Adverse Childhood Experiences (ACEs): Impact on brain, body and behaviour - Adverse Childhood Experiences (ACEs): Impact on brain, body and behaviour by IHDCYH Talks | Entretiens de l'IDSEA 630,671 views 5 years ago 6 minutes, 3 seconds - Andrea Gonzalez, McMaster University.

Childhood Trauma and the Brain | UK Trauma Council - Childhood Trauma and the Brain | UK Trauma Council by Anna Freud 2,972,139 views 3 years ago 5 minutes, 11 seconds - A general introduction to what happens in the brain after **children**, face traumatic experiences in **childhood**, like abuse and neglect.

Intro

Latent Vulnerability

Social Thinning

Reward system

Recognizing and Treating Trauma-Related Symptoms in Children and Adolescents With Autism -

Recognizing and Treating Trauma-Related Symptoms in Children and Adolescents With Autism by Seattle Children's 29,278 views 3 years ago 1 hour, 36 minutes - Children and adolescents, with **developmental**, disabilities have an increased likelihood of experiencing abuse or neglect.

Introduction

Who am I

Community Mental Health

Emotions

Objectives

Definition of Trauma

Adverse Childhood Experiences

Risk Factors

Thoughts

Prevalence

Developmental Disabilities

Research

Challenging Behaviors

Core Components

Avoidance

5 Signs of Dissociation - 5 Signs of Dissociation by Kati Morton 887,418 views 3 years ago 8 minutes, 25 seconds - Today we are going to talk about the 5 signs of **dissociation**, because it's more common than most people think. Research shows ...

The PTSD brains of children & soldiers - BBC News - The PTSD brains of children & soldiers - BBC News by BBC News 123,305 views 8 years ago 1 minute, 37 seconds - Scientists have discovered that the brain structures of traumatised soldiers and **children**, change in the same way. Subscribe to ...

What is dissociation and why do children dissociate? - What is dissociation and why do children dissociate? by Pandemic Parenting 1,666 views 2 years ago 2 minutes, 14 seconds - _____

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How social media influences the mental & behavioral health of children age 13 to 17 - How social media influences the mental & behavioral health of children age 13 to 17 by Children's Wisconsin 76,291 views 2 years ago 1 minute, 25 seconds - While social media can sometimes be a very positive influence, it can also be addictive and lead to bad decisions. **Kids**, in ...

Switching Alters: Our experience - Switching Alters: Our experience by MultiplicityAndMe 3,273,148 views 5 years ago 8 minutes, 30 seconds - One of our most requested finally acknowledged - We show what a switch looks like on camera (that may take you by surprise) as ...

(How To Get Around The World When You're Highly Sensitive Person (- (How To Get Around The World When You're Highly Sensitive Person (by Your Inner Child Matters 524,323 views 9 months ago 4 minutes, 28 seconds - How to Get Around the World When You're Highly Sensitive Are you an Highly Sensitive Person {HSP} looking for advice in ...

The Dissociation Spectrum + What Causes Dissociative Disorders? - The Dissociation Spectrum + What Causes Dissociative Disorders? by Kati Morton 200,123 views 6 months ago 9 minutes, 43 seconds - Let's talk about **dissociation**, & the **dissociation**, spectrum. I get asked a lot do you have to have trauma or have had PTSD to ...

DISSOCIATIVE EPISODE

SPACE OUT

Dissociative fugue

MALADAPTIVE DAYDREAMING

Adaptive coping skills

PERSISTENT DISSOCIATION

Understanding Dissociative Identity Disorder - Understanding Dissociative Identity Disorder by Demystifying Medicine McMaster 423,965 views 2 years ago 4 minutes, 34 seconds - Dissociative identity disorder is when an individual develops alternate personalities that function with or without the awareness of ...

Dissociative Identity Disorder

Structural Alterations

Treatment Approach

Treatment Methods

ACES: Adverse Childhood Experiences - ACES: Adverse Childhood Experiences by Conversations For Caring 2,877 views 9 months ago 8 minutes, 15 seconds - This Spotlight is designed to better understand the long-term effects of Adverse **Childhood**, Experiences, or ACE's. #trauma #ptsd ...

Our Littles | Dissociative Identity Disorder | Switch On Camera | REUPLOAD - Our Littles | Dissociative Identity Disorder | Switch On Camera | REUPLOAD by DissociaDID 381,700 views 2 years ago 9 minutes, 37 seconds - THIS VIDEO IS A RE-UPLOAD OF AN ORIGINAL VIDEO FIRST POSTED TO YOUTUBE.COM/DISSOCIADID ON: 6th September ...

Living with Complex PTSD (And Constant Dissociation) - Living with Complex PTSD (And Constant Dissociation) by Special Books by Special Kids 595,691 views 1 year ago 19 minutes - Yasmin is diagnosed with Complex PTSD. She frequently catastrophizes, believing that everything will turn into a disaster.

5 Signs You Had A Traumatic Childhood (And Don't Realize It) - 5 Signs You Had A Traumatic Childhood (And Don't Realize It) by Psych2Go 814,673 views 1 year ago 4 minutes, 46 seconds - There are many types of **childhood**, trauma that can range from events like physical abuse, sexual abuse, emotional abuse, ...

Intro

What is a traumatic childhood

Childish reactions

Insecure attachment

Conflict avoidance

Low selfworth

Risky behavior

6 ways to heal trauma without medication | Bessel van der Kolk | Big Think - 6 ways to heal trauma without medication | Bessel van der Kolk | Big Think by Big Think 4,824,115 views 2 years ago 8 minutes, 53 seconds - Conventional psychiatric practices tell us that if we feel bad, take this drug and it will go away. But after years of research with ...

Adverse Childhood Experiences - The ACE Questionnaire: What is Your ACE Score? - Adverse Childhood Experiences - The ACE Questionnaire: What is Your ACE Score? by Children of Narcissists 4,748 views 1 year ago 10 minutes, 31 seconds - Adverse **Childhood**, Experiences (ACEs) are "highly stressful, and potentially traumatic, events or situations that occur during ...

How to Talk to a Child Who is Dissociating - How to Talk to a Child Who is Dissociating by Pandemic Parenting 609 views 2 years ago 2 minutes, 44 seconds - ————— Want to learn more about Roadmap to Resilience? Visit <https://www.roadmaptoresilience.org/> to learn more, listen to ...

Understanding Trauma | Phoenix Australia - Understanding Trauma | Phoenix Australia by Phoenix Australia 86,358 views 3 years ago 2 minutes, 22 seconds - Traumatic events are common, and most people will experience at least one during their lives. Trauma comes in many forms and ...

Childhood Trauma: The Lives of the Neglected Children - Childhood Trauma: The Lives of the Neglected Children by Sprouts 760,880 views 2 years ago 6 minutes - Children, who experience physical, cognitive or emotional neglect, often face anxiety. As a result, their body produces stress ...

Neglect Theory

Daniel Rucareanu's story

Cognitive Neglect

Physical Neglect

Emotional Neglect

Ending

Why Are Teens So Moody? - Why Are Teens So Moody? by AsapSCIENCE 4,722,253 views 8 years ago 3 minutes, 58 seconds - Written by Rachel Salt, Mitchell Moffit and Gregory Brown FOLLOW US! Instagram and Twitter: @whalewatchmeplz and ...

Developmental Trauma Disorder: Understanding and Working with Dissociative States - Developmental Trauma Disorder: Understanding and Working with Dissociative States by Center for Developmental Trauma 771 views 3 years ago 16 minutes - In this dramatized therapy session, you meet

Adam, a 15-year-old Caucasian male who grew up in the suburbs outside of ...

Introduction

Storytime

Interview

Discussion

Trauma and the Nervous System: A Polyvagal Perspective - Trauma and the Nervous System: A Polyvagal Perspective by The Trauma Foundation 737,172 views 3 years ago 8 minutes, 58 seconds

- This video was developed to give a basic introduction and overview of how trauma and chronic stress affects our nervous system ...

ACT Mindfully: Acceptance and Commitment Therapy with Children & Adolescents - ACT Mindfully: Acceptance and Commitment Therapy with Children & Adolescents by Utah Center for Evidence

Based Treatment 12,404 views 2 years ago 53 minutes - Originally presented: Friday, March 12, 2021

Acceptance and Commitment Therapy (ACT) is an evidence based therapy ...

Intro

Goals

Mindfulness

Doing What Matters

Opening Up

Cognitive Diffusion

Experiential Exercise

Avoidance

Acceptance

The Stuck Matrix

The Measure

The Community

Resources

Closing

Complex Trauma in Children | Counselor Toolbox Episode 116 - Complex Trauma in Children | Counselor Toolbox Episode 116 by Doc Snipes 21,910 views 6 years ago 1 hour, 6 minutes - Nurses, addiction and #mentalhealth #counselors, #socialworkers and marriage and family#therapists can earn #CEUs for this ...

Introduction

Defining Complex Trauma

Impacts of Complex Trauma

Adverse Childhood Experiences

Effects of Adverse Childhood Experiences

Physical Emotional Neglect

National Incident Study

Domains of Impairment

Secure Attachment

Ambivalent Attachment

Behavior

Consequences of Poor Attachment

CPT

Boundaries

Models

Allies

Physical Contact

Emotional Self Regulation

Behavioral Control Impairments

The Good News

Restoration of Secure Caregiver

Common Diagnosis

Oppositional Defiance Disorder

Generalized Anxiety Disorder

Reactive Attachment Disorder

Things to consider when discussing your Dissociative Identity Disorder with children and adolescents

- Things to consider when discussing your Dissociative Identity Disorder with children and adolescents by The CTAD Clinic 5,501 views 3 years ago 12 minutes, 27 seconds - In this video, Dr Mike

Lloyd (Director of the CTAD Clinic) talks about issues with explaining Dissociative Identity Disorder (DID) to ...

TALKING ABOUT D.I.D. WITH KIDS DOES NOT MEAN TALKING ABOUT TRAUMA

CONSIDER TIMING - BE AGE APPROPRIATE

BE CONFIDENT - DON'T SHOW FEAR OR STRESS

BE HONEST - KIDS KNOW WHEN YOU ARE LYING

KIDS ARE GOOD AT BEING INVOLVED IN HEALTH SITUATIONS

BE AWARE OF SAFEGUARDING ISSUES WITH KIDS

Neurodevelopment Mechanisms Linking Early-Life Adversity With Child and Adolescent Psychopathology - Neurodevelopment Mechanisms Linking Early-Life Adversity With Child and Adolescent Psychopathology by UCSF Dept. of Psychiatry and Behavioral Sciences 3,273 views 4 years ago 1 hour, 4 minutes - Harvard University's Katie McLaughlin, PhD, talks about the emotional, cognitive, and neural mechanisms linking different forms of ...

Intro

Childhood Adversity

Adversity and Psychopathology

Clustering of Adversity

The ACEs Approach

Threat Exposure

Neurodevelopmental Mechanisms

Trauma and Amygdala Reactivity

Trauma and Neural Response to Threat Cues

Boston Marathon Bombing

Amygdala Reactivity and PTSD Symptoms

Transdiagnostic Psychopathology Risk

Fear Learning and Extinction

Neural Correlates of Fear Learning

Amygdala Functional Connectivity

Amygdala-Hippocampus Functional Connectivity and Psychopathology

Threat Summary

Sensory Deprivation

Social & Cognitive Deprivation

Bucharest Early Intervention Project

Institutional Rearing as Deprivation

Cortical Grey Matter

Institutionalization & ADHD

Socio-economic Status

SES & Cortical Thickness

Cognitive Stimulation as a Mechanism

Executive Functioning

Dorsolateral PFC Structure

Superior Parietal Structure

Frozen By Dissociation - Dr Karen Treisman - Frozen By Dissociation - Dr Karen Treisman by onlineevents.co.uk 864 views 7 years ago 1 minute, 51 seconds - In this event, Karen talked about her experience of working with **children**, & **adolescents**, around the world who have experienced ...

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pathological causes, which in turn is divided into primary, secondary and tertiary dissociation. According to this theory, primary dissociation prototypically involves... 150 KB (16,459 words) - 18:58, 11 March 2024

body representation, motor control, and behavior." People with dissociative disorders also use dissociation as a defense mechanism involuntarily. The... 38 KB (4,181 words) - 17:27, 11 March 2024

gain formal recognition in the DSM-IV, the concept was re-packaged for children and adolescents and given a new name, developmental trauma disorder. Supporters... 75 KB (8,361 words) - 01:21, 9 March

2024
 (2014). "Media use and ADHD-related behaviors in children and adolescents: A meta-analysis". Developmental Psychology. American Psychological Association... 239 KB (26,469 words) - 12:40, 12 March 2024
 post traumatic stress disorder symptoms, and dissociation. Another study found that in most cases when children did disclose abuse, the person they talked... 170 KB (18,656 words) - 11:59, 9 March 2024
 care of children. Developmental change may occur as a result of genetically controlled processes, known as maturation, or environmental factors and learning... 181 KB (21,845 words) - 14:57, 11 March 2024
 the Assessment and Treatment of Psychiatric Disorders in Children and Adolescents With Intellectual Disability (Intellectual Developmental Disorder)". Journal... 89 KB (9,921 words) - 08:05, 8 February 2024
 "Intervention for optimal outcome in children and adolescents with a history of autism". Journal of Developmental and Behavioral Pediatrics. 35 (4): 247–256... 233 KB (25,169 words) - 13:19, 12 March 2024
 and 30% more likely to commit violent crime. Disorganized attachment is associated with a number of developmental problems, including dissociative symptoms... 209 KB (22,936 words) - 16:28, 1 March 2024
 "Pharmacological treatment options for autism spectrum disorders in children and adolescents". Harvard Review of Psychiatry. 16 (2): 97–112. doi:10.1080/10673220802075852... 115 KB (12,222 words) - 20:52, 5 March 2024
 disorder in children, or pediatric bipolar disorder (PBD), is a rare mental disorder in children and adolescents. The diagnosis of bipolar disorder in children... 30 KB (3,481 words) - 13:11, 15 February 2024
 environmental, and cultural factors. Diagnosis can be given at any age, although gender dysphoria in children and adolescents may manifest differently than in adults... 115 KB (11,896 words) - 19:00, 9 March 2024
 challenges in regulating emotional states to a healthy, stable baseline. Symptoms such as dissociation—a feeling of detachment from reality, a pervasive... 189 KB (19,483 words) - 01:46, 13 March 2024
 Steinberg, Laurence (March 2008). "A social neuroscience perspective on adolescent risk-taking". Developmental Review. 28 (1): 78–106. doi:10.1016/j... 75 KB (8,989 words) - 07:26, 7 March 2024
 instead can manifest with physical and psychological symptoms such as dissociation. Many have found that dissociation can be a predictor of developing posttraumatic... 36 KB (4,537 words) - 18:05, 19 October 2023
 "Mental Health Among Late Adolescents and Young Adults from a Population-Level and Clinical Perspective", AM:STARs Adolescent Medicine, American Academy... 105 KB (13,395 words) - 17:50, 11 March 2024
 perspective-taking, theory of mind is defined as cognitive perspective-taking. Research on theory of mind, in humans and animals, adults and children... 126 KB (15,856 words) - 02:27, 12 March 2024
 Additionally, the social environment that a school fosters impacts adolescents attachment behavior, even if these same adolescents have not had issues with attachment... 189 KB (21,995 words) - 07:08, 6 March 2024
 resourceful adolescent parent program (RAP-P), intensive interpersonal psychotherapy for adolescents (IPT-A-IN), mentalization-based treatment for adolescents (MBT-A)... 102 KB (11,315 words) - 17:20, 6 March 2024
 Parent-Reported ADHD Diagnosis and Associated Treatment Among U.S. Children and Adolescents, 2016". Journal of Clinical Child & Adolescent Psychology. 47 (2): 199–212... 27 KB (3,007 words) - 03:28, 8 March 2024