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Spatial Variation and Seasonality in Growth and Reproduction of Enhalus Acoroides (L.f.) Royle Populations in the Coastal Waters Off Cape Bolinao, NW Philippines Jun 20 2020 This text explores the spatial variation and seasonality in growth and reproduction of "Enhalus acoroides" (L.f.) Royle populations in the coastal waters off Cape Bolinao, NW Phillipines.

Evolution of Insect Pests Apr 30 2021 Reflects on insect pests' evolution by evaluating existing theories, documenting case studies of diverse pest species and presenting new concepts regarding the problem of variation and implications for pest management strategies. Leading experts offer contributions which deal with variations in genetic markers and ecologically meaningful traits as well as future perspectives in entomology and biosystematics.

Biological Variation in Health and Illness Aug 15 2022 Specifically for the health professional, this book contains an extensive compilation of research findings on biologic variation by race, age, and gender relating to health and illness. Completely rewritten, revised, and updated, the Second Edition includes an increased discussion of biologic variation and expanded coverage of each chapter topic. This book provides a

theoretical framework for understanding the mechanisms that influence biologic variation. It presents a well-documented discussion of research data and indicates areas where knowledge is lacking. A theoretical explanation is followed by examination of surface and anatomical variations, developmental variation, biochemical and enzymatic variations, disease susceptibility differences, and influence of the external variation. Consideration of sexual variation reveals more differences between the sexes than among races. Misconceptions about racial uniformity and diversity are exposed throughout the book. Tables of specific biologic variations allow easy reference and access to the literature.

Haydn and the Classical Variation Jun 01 2021 Sisman aims to demonstrate that it was Haydn's prophetic innovations that truly created the Classical variation. Her analysis reflects both the musical thinking of the Classical period and contemporary critical interests. The book offers a revaluation of t

The Techniques of Reading Jan 08 2022

Beyond Lexical Variation in Modern Standard Arabic Jan 28 2021 Beyond Lexical Variation in Modern Standard Arabic presents several aspects concerning Modern Standard Arabic. It analyzes the different forms of lexical variation, and the causes for these variations. This starting point led to many other vital issues related to the present state of the Arabic Language such as language planning, native speakers' identity and fears and most importantly the relationship between the different Arabic varieties: Classical, Modern Standard, and dialects. The book analyzes lexical variation comprehensively and provides deep insights on the present state of the language with some speculations on its future.

Biological Variation Sep 04 2021

Personality, Problem Solving, and Social Learning

May 12 2022 Individual differences research is at the forefront of behavioral ecology. One form of individual variation that is pervasive across the animal kingdom is personality (individual behavioral responses that are stable over time or context). Personality has been shown to affect many behaviors within an individual's behavioral ecology, such as dispersal tendency and parental care, with substantial fitness effects. Personality may also interact with other traits, such as cognition, to impact how animals respond to and solve novel problems. For example, bolder individuals may learn to solve a novel task more quickly than shyer individuals. Despite recent interest in personality and cognition, the link between these two sources of individual variation remains unclear. Here, I addressed three research objectives on individual differences: (1) Examine how multiple measures of personality predict problem-solving performance on multiple tasks; (2) Test for social learning on a complex puzzle task, the floating object task; and (3) Identify the influence of personality (using three methods of assessment) on problem-solving performance. In Chapter 1, I utilized a suite of tests to assess personality in captive zebra finches and found that many traits were repeatable across trials and across two years. I then asked whether personality predicted individual variation in problem-solving ability on three novel foraging tasks. I found boldness, dominance, and activity were important traits for problem solving. In Chapter 2, I investigated social learning in Asian elephants on a cognitive task that had never been tested outside of primates (the floating object task). Elephants that observed a conspecific solve the task exhibited increased interest in the task compared to control elephants. In Chapter 3, I utilized behavioral observations, novel object tests, and zookeeper surveys to measure personality in captive Asian elephants.

Next, I examined whether personality predicted problem-solving ability on novel foraging puzzle boxes. I determined that several traits were important for problem solving and learning. Results from these studies inform the behavior literature by providing experimental data on the intersection of cognition and personality, and advance the field by highlighting how individual differences can be leveraged as tools for animal management and conservation.

Linguistic Variation and Change Apr 11 2022 The study of variation and change is at the heart of the sociolinguistics. Providing a wide survey of the field, this textbook is organised around three constraints on variation: linguistic structure, social structure and identity, and social and linguistic perception. By considering both structure and meaning, Scott F. Kiesling examines the most important issues surrounding variation theory, including canonical studies and terms as well as challenges to them.

Sociolinguistic Variation in American Sign Language Jul 14 2022 Linguists Ceil Lucas, Robert Bayley, Clayton Valli and a host of other researchers have taken the techniques used to study the regional variations in speech (such as saying "hwhich" for "which") and have applied them to American Sign Language. Discover how the same driving social factors affect signs in different regions in Sociolinguistic Variation in American Sign Language.

Analysis and Design of Networks-on-Chip Under High Process Variation Jul 22 2020 This book describes in detail the impact of process variations on Network-on-Chip (NoC) performance. The authors evaluate various NoC topologies under high process variation and explain the design of efficient NoCs, with advanced technologies. The discussion includes variation in logic and interconnect, in order to evaluate the delay and throughput variation with different NoC topologies. The authors describe an

asynchronous router, as a robust design to mitigate the impact of process variation in NoCs and the performance of different routing algorithms is determined with/without process variation for various traffic patterns. Additionally, a novel Process variation Delay and Congestion aware Routing algorithm (PDCR) is described for asynchronous NoC design, which outperforms different adaptive routing algorithms in the average delay and saturation throughput for various traffic patterns.

Structuring Variation in Romance Linguistics and Beyond Feb 09 2022 Current theoretical approaches to language devote great attention to macro- and micro-variation and show an ever-increasing interest in minority languages. In this respect, few empirical domains are as rich and lively as the Italo-Romance languages, which together with Albanian were the main research domain of Leonardo M. Savoia. The volume covers areas as different as phonology, morphology, syntax and the lexicon. A broad range of Romance languages is considered, as well as Albanian, Greek and Hungarian, shedding new light on many classical topics. The first section focuses on morphosyntax, both in the narrow sense and with regard to its interfaces. The second section focuses on clitics and pronouns. The third section deals with a number of issues in phonology and syntax-phonology interface. The last section turns the reader's attention beyond formal linguistics itself and examines variation in the light of neurosciences, pathology, historical linguistics and political discourse.

Human Blood Cells: Consequences Of Genetic Polymorphisms And Variations Feb 26 2021 This important book uses selected molecules expressed on erythrocytes, lymphocytes, platelets and granulocytes to illustrate how genetic polymorphisms and variations in these molecules can affect their structure and function in mature human

blood cells. The examples described tend to have a clinical association. Human blood group antigens and HLA antigens are classic examples of genetic polymorphism and they are important in blood transfusion and organ transplantation, respectively. In common with the blood group antigens, the polymorphic and variant antigens on platelets and granulocytes can be targets for antibodies in feto-maternal antigen incompatibility and transfusion reactions. Certain inherited haemolytic anaemias can be attributed to some of the polymorphic and variant forms of erythrocyte anion transport protein, spectrin, and glucose-6-phosphate dehydrogenase which exhibit abnormal structural or functional properties. Similarly, the study of cytokine gene polymorphism can provide a further understanding of the immune/inflammatory diseases and allogeneic transplantation./a

Variations and Connections of the Human Thalamus Aug 23 2020 In the past half century since the Vogts stimulated investigations on the anatomi cal relationships between cortex and subcortical structures, a voluminous literature has developed on the thalamus. Although much of this writing has been based upon studies of sub-human primates and carnivora, the prime goal of most investi gators has been to elucidate clinical experience. And indeed, these researches have enlightened the neurologist. From the beginning of anatomical studies of the thalamus, anatomists have sought a meaningful parcellation of the thalamus on the basis of both topography and cellular morphology. However, as the internal organization of the thalamus changes greatly in phylogeny, a topographical designation of thalamic divisions in different species loses its significance. Hence, the detailed descriptions of the nuclear configuration of carnivora, which appeared from the laboratories of Huber and

Crosby, could not be readily applied to the thalamus of monkey or man. This has led to the introduction of different and more or less specific terminologies for each species rendering attempts at homologies difficult, if not impossible. Recogniz ing the changes in conceptualization of the thalamus and the advances in neuro anatomical knowledge, Dr. Van Buren has tackled the formidable tasks of bringing the thalamic nomenclature up to date. He has based his parcellation of the thala mus upon the histological morphology of the neuronal components, which are modified, to some extent at least, by the fiber tracts traversing the area.

Intermediate Statistical Investigations Jul 02 2021 Intermediate Statistical Investigations provides a unified framework for explaining variation across study designs and variable types, helping students increase their statistical literacy and appreciate the indispensable role of statistics in scientific research. Requiring only a single introductory statistics course as a prerequisite, the program uses the immersive, simulation-based inference approach for which the author team is known.Students engage with various aspects of data collection and analysis using real examples and clear explanations designed to strengthen multivariable understanding and reinforce first-course concepts. Each chapter contains in-depth exercises which follow a consistent six-step statistical exploration and investigation method (ask a research question, design a study, explore the data, draw inferences, formulate conclusions, and look back and ahead) enabling students to assess a variety of concepts in a single assignment. Challenging questions based on research articles strengthen critical reading skills, fully worked examples demonstrate essential concepts and methods, and engaging visualizations illustrate key

themes of explained variation. End-of-chapter investigations use real data from popular culture and published research studies in a variety of disciplines, exposing students to various applications of statistics in the real world. Throughout the text, user-friendly Rossman Chance web applets allow students to conduct the simulations and analyses covered in the book. *Genetics and Conservation of Rare Plants* Jan 16 2020 Nearly 700 species of plants may become extinct by the year 2000. Faced with this overwhelming prospect, plant conservationists must take advantage of every technique available. This unique work summarizes our current knowledge of the genetics and population biology of rare plants, and integrates it with practical conservation recommendations. It features discussions on the distribution and significance of genetic variation, management and evaluation of rare plant germplasm, and conservation strategies for genetic diversity. Case studies focusing on specific problems offer important insights for today's challenges in rare plant conservation.

Variation-Aware Analog Structural Synthesis Dec 27 2020 This book describes new tools for front end analog designers, starting with global variation-aware sizing, and extending to novel variation-aware topology design. The tools aid design through automation, but more importantly, they also aid designer insight through automation. We now describe four design tasks, each more general than the previous, and how this book contributes design aids and insight aids to each. The ?rst designer task targeted is global robust sizing. This task is supported by a design tool that does automated, globally reliable, variation-aware s- ing (SANGRIA),and an insight-aiding tool that extracts designer-interpretable whitebox models that relate sizings to circuit performance (CAFFEINE). SANGRIA

searches on several levels of problem dif?culty simultaneously, from lower cheap-to-evaluate “exploration” layers to higher full-evaluation “exploitation” layers (structural homotopy). SANGRIAmakes maximal use of circuit simulations by performing scalable data mining on simulation results to choose new candidate designs. CAFFEINE accomplishes its task by tre- ing function induction as a tree-search problem. It constrains its tree search space via a canonical-functional-form grammar, and searches the space with grammatically constrained genetic programming. The second designer task is topology selection/topology design. Topology selection tools must consider a broad variety of topologies such that an app- priate topology is selected, must easily adapt to new semiconductor process nodes, and readily incorporate new topologies. Topology design tools must allow designers to creatively explore new topology ideas as rapidly as possible.

Agriculture Handbook Oct 13 2019 Set includes revised editions of some nos.

The Variation of Animals and Plants Under Domestication by Charles Darwin - Delphi Classics (Illustrated) Mar 10 2022 This eBook features the unabridged text of ‘The Variation of Animals and Plants Under Domestication by Charles Darwin - Delphi Classics (Illustrated)’ from the bestselling edition of ‘The Complete Works of Charles Darwin’. Having established their name as the leading publisher of classic literature and art, Delphi Classics produce publications that are individually crafted with superior formatting, while introducing many rare texts for the first time in digital print. The Delphi Classics edition of Darwin includes original annotations and illustrations relating to the life and works of the author, as well as individual tables of contents, allowing you to navigate eBooks quickly and easily. eBook features: * The complete

unabridged text of 'The Variation of Animals and Plants Under Domestication by Charles Darwin - Delphi Classics (Illustrated)' * Beautifully illustrated with images related to Darwin's works * Individual contents table, allowing easy navigation around the eBook * Excellent formatting of the textPlease visit www.delphiclassics.com to learn more about our wide range of titles

Technical Bulletin Mar 30 2021

The Routledge Handbook of Language and Digital Communication Dec 15 2019 The Routledge Handbook of Language and Digital Communication provides a comprehensive, state of the art overview of language-focused research on digital communication, taking stock and registering the latest trends that set the agenda for future developments in this thriving and fast moving field. The contributors are all leading figures or established authorities in their areas, covering a wide range of topics and concerns in the following seven sections: • Methods and Perspectives; • Language Resources, Genres, and Discourses; • Digital Literacies; • Digital Communication in Public; • Digital Selves and Online-Offline Lives; • Communities, Networks, Relationships; • New debates and Further directions. This volume showcases critical syntheses of the established literature on key topics and issues and, at the same time, reflects upon and engages with cutting edge research and new directions for study (as emerging within social media). A wide range of languages are represented, from Japanese, Greek, German and Scandinavian languages, to computer-mediated Arabic, Chinese and African languages. The Routledge Handbook of Language and Digital Communication will be an essential resource for advanced undergraduates, postgraduates and researchers within English language and linguistics, applied linguistics and media and communication studies.

Skeletal Variation and Adaptation in Europeans Dec 07 2021 A comprehensive analysis of changes in body form and skeletal robusticity from the Terminal Pleistocene through the Holocene, leading to the modern European human phenotype. Skeletal Variation and Adaptation in Europeans: Upper Paleolithic to the Twentieth Century brings together for the first time the results of an unprecedented large-scale investigation of European skeletal remains. The study was conducted over ten years by an international research team, and includes more than 2,000 skeletons spanning most of the European continent over the past 30,000 years, from the Early Upper Paleolithic to the 20th century. This time span includes environmental transitions from foraging to food production, small-scale to large-scale urban settlements, increasing social stratification and mechanization of labor, and climatic changes. Alterations in body form and behavior in response to these transitions are reconstructed through osteometric and biomechanical analyses. Divided into four sections, the book includes an introduction to the project and comprehensive descriptions of the methods used; general continent-wide syntheses of major trends in body size, shape, and skeletal robusticity; detailed regional analyses; and a summary of results. It also offers a full data set on an external website. Brings together data from an unprecedented large-scale study of human skeletal and anatomical variations Includes appendix of specific information from each research site Synthesizes data from spatial, temporal, regional, and geographical perspectives Skeletal Variation and Adaptation in Europeans will be a valuable resource for bioarchaeologists, palaeoanthropologists, forensic anthropologists, medical historians, and archaeologists at both the graduate and post-graduate level.

Variation in Folklore and

Language May 20 2020 Variation is a universal phenomenon permeating language, culture, and entire worldviews. This book analyses issues related to both specific and common variations in folklore and language as signifiers of culture and worldview. The articles here are dedicated to different genres and forms, including spoken and written language, dancing and singing, and festivities, and involve different aspects of variation. Variation is conceptualised here as the main basis of folklore dynamics and a major issue of typology. A significant part of the volume is dedicated to variations of myths and motifs, creativity, intertextuality, and transmediality.

Pragmatic Markers and Sociolinguistic Variation Dec 19 2022 This book combines theoretical work in linguistic pragmatics and sociolinguistics with empirical work based on a corpus of London adolescent conversation. It makes a general contribution to the study of pragmatic markers, as it proposes an analytical model that involves notions such as subjectivity, interactional and textual capacity, and the distinction between contextual alignment/divergence. These notions are defined according to how information contained in an utterance interacts with the cognitive environment of the hearer. Moreover, the model captures the diachronic development of markers from lexical items via processes of grammaticalisation, arguing that markerhood may be viewed as a gradient phenomenon. The empirical work concerns the use of like as a marker, as well as a characteristic use of two originally interrogative forms, innit and is it, which are used as attitudinal markers throughout the inflectional paradigm, despite the fact that they contain a third person singular neuter pronoun. The author provides an in-depth analysis of these features in terms of pragmatic functions, diachronic development and sociolinguistic variation, thus

adding support to the hypothesis that adolescents play an important role in language variation and change.
Variations and Variation Technique in the Music of Chopin Nov 06 2021 While Chopin composed only a few works in variation form, he employed variations and variation technique in the majority of his works. Multiple modified repetitions of musical units on different levels of a work are so typical of Chopin's works that this may be considered one of the chief determinants of his style. Focusing on a broad range of Chopin's works, this book explores the extent to which Chopin's oeuvre is suffused with variations, the role that variation technique plays in his work, to what extent it interacts with other techniques for developing and modifying musical material, and how the variation technique itself evolved. Beginning with a comprehensively documented investigation of the concept of variation in its own right, Zofia Chechlińska employs Riemannian and Schenkerian theory to consider, in turn, the ways in which Chopin constructs variations on the level of microstructure (motif and phrase) and macrostructure (thematic areas, sections, movements and form). This is the first English translation of one of the classics of musicological literature in Poland and is essential reading for scholars of Chopin and nineteenth-century music and music analysts.
Variation in Health Care Spending Sep 16 2022 Health care in the United States is more expensive than in other developed countries, costing $2.7 trillion in 2011, or 17.9 percent of the national gross domestic product. Increasing costs strain budgets at all levels of government and threaten the solvency of Medicare, the nation's largest health insurer. At the same time, despite advances in biomedical science, medicine, and public health, health care quality remains inconsistent. In fact, underuse, misuse, and

overuse of various services often put patients in danger. Many efforts to improve this situation are focused on Medicare, which mainly pays practitioners on a fee-for-service basis and hospitals on a diagnoses-related group basis, which is a fee for a group of services related to a particular diagnosis. Research has long shown that Medicare spending varies greatly in different regions of the country even when expenditures are adjusted for variation in the costs of doing business, meaning that certain regions have much higher volume and/or intensity of services than others. Further, regions that deliver more services do not appear to achieve better health outcomes than those that deliver less. Variation in Health Care Spending investigates geographic variation in health care spending and quality for Medicare beneficiaries as well as other populations, and analyzes Medicare payment policies that could encourage high-value care. This report concludes that regional differences in Medicare and commercial health care spending and use are real and persist over time. Furthermore, there is much variation within geographic areas, no matter how broadly or narrowly these areas are defined. The report recommends against adoption of a geographically based value index for Medicare payments, because the majority of health care decisions are made at the provider or health care organization level, not by geographic units. Rather, to promote high value services from all providers, Medicare and Medicaid Services should continue to test payment reforms that offer incentives to providers to share clinical data, coordinate patient care, and assume some financial risk for the care of their patients. Medicare covers more than 47 million Americans, including 39 million people age 65 and older and 8 million people with disabilities. Medicare payment reform has the potential to improve health, promote efficiency in the U.S. health

care system, and reorient competition in the health care market around the value of services rather than the volume of services provided. The recommendations of Variation in Health Care Spending are designed to help Medicare and Medicaid Services encourage providers to efficiently manage the full range of care for their patients, thereby increasing the value of health care in the United States.

Applied Calculus of Variations for Engineers Oct 25 2020 The subject of calculus of variations is to find optimal solutions to engineering problems where the optimum may be a certain quantity, a shape, or a function. Applied Calculus of Variations for Engineers addresses this very important mathematical area applicable to many engineering disciplines. Its unique, application-oriented approach sets it apa

Analysis and Design of Markov Jump Systems with Complex Transition Probabilities Mar 18 2020 The book addresses the control issues such as stability analysis, control synthesis and filter design of Markov jump systems with the above three types of TPs, and thus is mainly divided into three parts. Part I studies the Markov jump systems with partially unknown TPs. Different methodologies with different conservatism for the basic stability and stabilization problems are developed and compared. Then the problems of state estimation, the control of systems with time-varying delays, the case involved with both partially unknown TPs and uncertain TPs in a composite way are also tackled. Part II deals with the Markov jump systems with piecewise homogeneous TPs. Methodologies that can effectively handle control problems in the scenario are developed, including the one coping with the asynchronous switching phenomenon between the currently activated system mode and the controller/filter to be designed. Part III focuses on the Markov jump systems with memory

TPs. The concept of σ-mean square stability is proposed such that the stability problem can be solved via a finite number of conditions. The systems involved with nonlinear dynamics (described via the Takagi-Sugeno fuzzy model) are also investigated. Numerical and practical examples are given to verify the effectiveness of the obtained theoretical results. Finally, some perspectives and future works are presented to conclude the book.

Coefficient of Variation and Machine Learning Applications Oct 05 2021 Coefficient of Variation (CV) is a unit free index indicating the consistency of the data associated with a real-world process and is simple to mold into computational paradigms. This book provides necessary exposure of computational strategies, properties of CV and extracting the metadata leading to efficient knowledge representation. It also compiles representational and classification strategies based on the CV through illustrative explanations. The potential nature of CV in the context of contemporary Machine Learning strategies and the Big Data paradigms is demonstrated through selected applications. Overall, this book explains statistical parameters and knowledge representation models.

The Variation of Animals and Plants under Domestication – Volume 1 Jan 20 2023

Stream of Variation Modeling and Analysis for Multistage Manufacturing Processes Oct 17 2022 Variability arises in multistage manufacturing processes (MMPs) from a variety of sources. Variation reduction demands data fusion from product/process design, manufacturing process data, and quality measurement. Statistical process control (SPC), with a focus on quality data alone, only tells half of the story and is a passive method, taking corrective action only after variations occur. Learn how the Stream of Variation (SoV) methodology helps reduce or even eliminate variations throughout the

entire MMP in Jianjun Shi's Stream of Variation Modeling and Analysis for Multistage Manufacturing Processes. The unified methodology outlined in this book addresses all aspects of variation reduction in a MMP, which consists of state space modeling, design analysis and synthesis, engineering-driven statistical methods for process monitoring and root-cause diagnosis, and quick failure recovery and defect prevention. Coverage falls into five sections, beginning with a review of matrix theory and multivariate statistics followed by variation propagation modeling with applications in assembly and machining processes. The third section focuses on diagnosing the sources of variation while the fourth section explains design methods to reduce variability. The final section assembles advanced SoV-related topics and the integration of quality and reliability. Introducing a powerful and industry-proven method, this book fuses statistical knowledge with the engineering knowledge of product quality and unifies the design of processes and products to achieve more predictable and reliable manufacturing processes.

Statistical Thinking Sep 23 2020 Apply statistics in business to achieve performance improvement Statistical Thinking: Improving Business Performance, 3rd Edition helps managers understand the role of statistics in implementing business improvements. It guides professionals who are learning statistics in order to improve performance in business and industry. It also helps graduate and undergraduate students understand the strategic value of data and statistics in arriving at real business solutions. Instruction in the book is based on principles of effective learning, established by educational and behavioral research. The authors cover both practical examples and underlying theory, both the big picture and necessary details. Readers gain a conceptual

understanding and the ability to perform actionable analyses. They are introduced to data skills to improve business processes, including collecting the appropriate data, identifying existing data limitations, and analyzing data graphically. The authors also provide an in-depth look at JMP software, including its purpose, capabilities, and techniques for use. Updates to this edition include: A new chapter on data, assessing data pedigree (quality), and acquisition tools Discussion of the relationship between statistical thinking and data science Explanation of the proper role and interpretation of p-values (understanding of the dangers of “p-hacking”) Differentiation between practical and statistical significance Introduction of the emerging discipline of statistical engineering Explanation of the proper role of subject matter theory in order to identify causal relationships A holistic framework for variation that includes outliers, in addition to systematic and random variation Revised chapters based on significant teaching experience Content enhancements based on student input This book helps readers understand the role of statistics in business before they embark on learning statistical techniques.

Six Themes on Variation Nov 25 2020 The calculus of variations is a beautiful subject with a rich history and with origins in the minimization problems of calculus. Although it is now at the core of many modern mathematical fields, it does not have a well-defined place in most undergraduate mathematics curricula. This volume should nevertheless give the undergraduate reader a sense of its great character and importance. Interesting functionals, such as area or energy, often give rise to problems for which the most natural solution occurs by differentiating a one-parameter family of variations of some function.The critical points of the functional are related to the solutions of the associated Euler-Lagrange equation.

These differential equations are at the heart of the calculus of variations and its applications to other subjects. Some of the topics addressed in this book are Morse theory, wave mechanics, minimal surfaces, soap bubbles, and modeling traffic flow. All are readily accessible to advanced undergraduates. This book is derived from a workshop sponsored by Rice University. It is suitable for advanced undergraduates, graduate students and research mathematicians interested in the calculus of variations and its applications to other subjects.

Studies on Variation in Portuguese Nov 18 2022 Studies on Variation in Portuguese offers a collection of studies on a range of variable phenomena attested within and across varieties of Portuguese. The volume starts out with an overview of current issues in the study of intralinguistic variation and is divided in two parts. Part 1 is dedicated to research on variation within national varieties (Brazilian and European). Here, a multidimensional analysis that combines both the geographic and the social dimensions of variation emerges as a way to identify possible regional specificities and the directionality of some of the variants. Part 2 collects studies that compare the behavior of a particular linguistic variable across different varieties. The variable phenomena discussed concern several levels of grammar and are framed within different conceptions of variation, thus promoting confrontation of theoretical and methodological alternatives. Overall, the volume constitutes a significant contribution to the essential question of how to model variation at different levels.

Variation-Aware Adaptive Voltage Scaling for Digital CMOS Circuits Feb 15 2020 Increasing performance demands in integrated circuits, together with limited energy budgets, force IC designers to find new ways of saving power. One innovative way is the

presented adaptive voltage scaling scheme, which tunes the supply voltage according to the present process, voltage and temperature variations as well as aging. The voltage is adapted “on the fly” by means of in-situ delay monitors to exploit unused timing margin, produced by state-of-the-art worst-case designs. This book discusses the design of the enhanced in-situ delay monitors and the implementation of the complete control-loop comprising the monitors, a control-logic and an on-chip voltage regulator. An analytical Markov-based model of the control-loop is derived to analyze its robustness and stability. Variation-Aware Adaptive Voltage Scaling for Digital CMOS Circuits provides an in-depth assessment of the proposed voltage scaling scheme when applied to an arithmetic and an image processing circuit. This book is written for engineers interested in adaptive techniques for low-power CMOS circuits.

Bounded Variation and Around Jun 13 2022 The aim of this monograph is to give a thorough and self-contained account of functions of (generalized) bounded variation, the methods connected with their study, their relations to other important function classes, and their applications to various problems arising in Fourier analysis and nonlinear analysis. In the first part the basic facts about spaces of functions of bounded variation and related spaces are collected, the main ideas which are useful in studying their properties are presented, and a comparison of their importance and suitability for applications is provided, with a particular emphasis on illustrative examples and counterexamples. The second part is concerned with (sometimes quite surprising) properties of nonlinear composition and superposition operators in such spaces. Moreover, relations with Riemann-Stieltjes integrals, convergence tests for Fourier series, and applications to

nonlinear integral equations are discussed. The only prerequisite for understanding this book is a modest background in real analysis, functional analysis, and operator theory. It is addressed to non-specialists who want to get an idea of the development of the theory and its applications in the last decades, as well as a glimpse of the diversity of the directions in which current research is moving. Since the authors try to take into account recent results and state several open problems, this book might also be a fruitful source of inspiration for further research.

Materials for the Study of Variation Apr 18 2020

Variation and Change in Spanish Feb 21 2023 This book applies recent theoretical insights to trace the development of Castilian and Latin American Spanish from the Middle Ages onwards, through processes of repeated dialect mixing both within the Iberian Peninsula and in the New World. The author contends that it was this frequent mixing which caused Castilian to evolve more rapidly than other varieties of Hispano-Romance, and which rendered Spanish particularly subject to levelling of its linguistic irregularities and to simplification of its structures. These two processes continued as the language extended into and across the Americas. These processes are viewed in the context of the Hispano-Romance dialect continuum, which includes Galician, Portuguese and Catalan, as well as New World varieties. The book emphasises the subtlety and seamlessness of language variation, both geographical and social, and the impossibility of defining strict boundaries between varieties. Its conclusions will be relevant both to Hispanists and to historical sociolinguists more generally.

Dialects at School Aug 03 2021 Like its predecessor, Dialects in Schools and Communities, this book illuminates major language-related issues that educational

practitioners confront, such as responding to dialect related features in students' speech and writing, teaching Standard English, teaching students about dialects, and distinguishing dialect difference from language disorders. It approaches these issues from a practical perspective rooted in sociolinguistic research, with a focus on the research base for accommodating dialect differences in schools. Expanded coverage includes research on teaching and learning and attention to English language learners. All chapters include essential information about language variation, language attitudes, and principles of handling dialect differences in schools; classroom-based samples illustrating the application of these principles; and an annotated resources list for further reading. The text is supported by a Companion Website (www.routledge.com/cw/Reaser) providing additional resources including activities, discussion questions, and audio/visual enhancements that illustrate important information and/or pedagogical approaches. Comprehensive and authoritative, Dialects at School reflects both the relevant research bases in linguistics and education and educational practices concerning language variation. The problems and examples included are authentic, coming from the authors' own research, observations and interactions in public school classrooms, and feedback in workshops. Highlights include chapters on oral language and reading and writing in dialectally diverse classrooms, as well as a chapter on language awareness for students, offering a clear and compelling overview of how teachers can inspire students to learn more about language variation, including their own community language patterns. An inventory of dialect features in the Appendix organizes and expands on the structural descriptions presented in the chapters.

Economics for B.A. Students Semester I (As per NEP) UP, 1/e Nov 13 2019 This textbook has been conceptualized to meet the need of B.A. First Semester students of Economics as per Common Minimum Syllabus prescribed for all Uttar Pradesh State Universities and Colleges under the recommended National Education Policy 2020. Maintaining the traditional approach to the subject, this textbook comprehensively covers first semester paper Principles of Microeconomics. This textbook acquaints the students with the important concepts of microeconomics such as demand, supply & market equilibrium, theory of consumer's behaviour, theory of production & cost, theory of firm & pricing in perfect competition, price & output under monopoly & imperfect competition, theory of distribution and lastly welfare economics & economic efficiency