



ANIMAL CREATIVITY AND INNOVATION



Edited by
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Animal Creativity And Innovation Explorations In Creativity Research

Paula Thomson, Victoria S. Jaque



Animal Creativity And Innovation Explorations In Creativity Research:

Animal Creativity and Innovation, 2015-10-29 Animal Creativity and Innovation explores theories and research on animal innovation and creativity comparing and contrasting it with theory and research on human creativity and innovation In doing so it encompasses findings from psychology biology neuroscience engineering business ecology and education The book includes examples of animal innovation in parrots dogs marine mammals insects and primates exploring parallels from creative play in children The book defines creativity differentiating it from play and looks at evolutionary models and neurological constructs The book further explores applied aspects of animal innovation and creativity including tool use and group dynamics as well as barriers to creativity The final chapters look into how creative behavior may be taught or trained Each chapter is followed by a commentary for integration of thoughts and ideas between animal and human research

behavioral and cognitive research and theory and observation in real life Compares theory and research on animal and human creativity Defines and differentiates creativity from play Reviews applied creativity in tool use and social dynamics Includes examples of animal creativity in multiple species **Wittgenstein and Beyond** Christoph C. Pfisterer, Nicole Rathgeb, Eva Schmidt, 2022-10-28 This volume celebrates the work of Hans Johann Glock a philosopher renowned for both his exegesis of Wittgenstein and his many contributions to debates in contemporary philosophy It brings together 16 new essays by up and coming and distinguished philosophers engaging with Glock s work and it concludes with a Reflections and Replies chapter in which Glock responds to his interlocutors Glock s distinctive philosophical voice features a rare combination of a Wittgenstein inspired approach with a willingness to break away from Wittgenstein to tackle problems in an open minded way The broad selection of essays included in this volume reflects Glock s wide ranging philosophical interests and demonstrates the potential of applying Wittgensteinian insights to advance current systematic debates in philosophy The chapters discuss Wittgenstein s philosophy metaphilosophy truth and language animal minds and agency and reasons and normativity Wittgenstein and Beyond will appeal to scholars and advanced students working on Wittgenstein metaphilosophy philosophy of mind and philosophy of language **Oxford Handbook of Cultural Evolution** Jamshid Tehrani, Rachel L. Kendal, Jeremy Kendal, 2025-07-16 This handbook offers a comprehensive overview of the interdisciplinary field of Cultural Evolution which has in recent years matured into an increasingly diverse and wide reaching but intellectually coherent research programme The book showcases the disciplinary spectrum of research into Cultural Evolution from primatology and medieval literature to gene culture co evolution computer science anthropology archaeology and experimental psychology The handbook consists of review essays contributed by leading experts in their areas structured into ten sections covering key approaches and debates major themes and real world applications Taken together the essays offer an exceptionally broad and forward looking perspective on the field for researchers across the cognitive and evolutionary social sciences including those working in fields adjacent to Cultural Evolution such as Behavioural Ecology Evolutionary Psychology and Digital

Humanities The handbook also provides a unique educational resource for students and teachers seeking to integrate Cultural Evolution into undergraduate and postgraduate curricula as well as highlighting some of the potential applications of Cultural Evolution in fields such as education public health and environmental policy

Creativity and the Performing Artist Paula Thomson,Victoria S. Jaque,2016-12-30 Creativity and the Performing Artist Behind the Mask synthesizes and integrates research in the field of creativity and the performing arts Within the performing arts there are multiple specific domains of expertise with domain specific demands This book examines the psychological nature of creativity in the performing arts The book is organized into five sections Section I discusses different forms of performing arts the domains and talents of performers and the experience of creativity within performing artists Section II explores the neurobiology of physiology of creativity and flow Section III covers the developmental trajectory of performing artists including early attachment parenting play theories personality motivation and training Section IV examines emotional regulation and psychopathology in performing artists Section V closes with issues of burnout injury and rehabilitation in performing artists Discusses domain specificity within the performing arts Encompasses dance theatre music and comedy performance art Reviews the biology behind performance from thinking to movement Identifies how an artist develops over time from childhood through adult training Summarizes the effect of personality mood and psychopathology on performance Explores career concerns of performing artists from injury to burn out

Domain Specificity of Creativity John Baer,2015-11-06 Recent research findings have challenged the idea that creativity is domain general Domain Specificity of Creativity brings together the research information on domain specificity in creativity both the research that supports it and answers to research arguments that might seem to challenge it The implications for domain specificity affect how we move forward with theories of creativity testing for creativity and teaching for creativity The book outlines what these changes are and how creativity research and applications of that research will change in light of these new findings Summarizes research regarding domain specificity in creativity Outlines implications of these findings for creativity theory testing and teaching Identifies unanswered questions and new research opportunities

The Cambridge Handbook of Animal Cognition Allison B. Kaufman,Josep Call,James C. Kaufman,2021-07-22 This handbook lays out the science behind how animals think remember create calculate and remember It provides concise overviews on major areas of study such as animal communication and language memory and recall social cognition social learning and teaching numerical and quantitative abilities as well as innovation and problem solving The chapters also explore more nuanced topics in greater detail showing how the research was conducted and how it can be used for further study The authors range from academics working in renowned university departments to those from research institutions and practitioners in zoos The volume encompasses a wide variety of species ensuring the breadth of the field is explored

The Creative Lives of Animals Carol Gigliotti,2025-10-07 The Creative Lives of Animals offers readers intimate glimpses of how animals from elephants to alligators to ants apply the creative process in

their lives requiring a redefinition of creativity that includes animals as essential contributors to biodiversity

Encyclopedia of Creativity Mark A. Runco, Steven R. Pritzker, 2020-04-12 Creativity influences each of our lives and is essential for the advancement of society The first edition of the successful Encyclopedia of Creativity helped establish the study of creativity as a field of research in itself The second edition published in 2011 was named a 2012 Outstanding Academic Title by the American Library Association's Choice publication Featuring 232 chapters across 2 volumes the third edition of this important work provides updated information on the full range of creativity research There has been an enormous increase in research on the topic throughout the world in many different disciplines Some areas covered in this edition include the arts and humanities business education mental and physical health neuroscience psychology the creative process and technology Fundamental subjects are discussed such as the definition of creativity the development and expression of creativity across the lifespan the environmental conditions that encourage or discourage creativity the relationship of creativity to mental health intelligence and learning styles and the process of being creative Creativity is discussed within specific disciplines including acting architecture art dance film government interior design magic mathematics medicine photography science sports tourism and writing A wide range of topics are covered Here is a partial overview by topic Business and organizational creativity Advertising Creative Economies Creativity Consulting and Coaching Corporate Creativity Creativity Exercises Entrepreneurship Group Dynamics Innovation Leadership Management of Creative People Patents Teams and Training The Cognitive Aspects of Creativity Altered and Transitional States Analogies Attention Breadth of Attention Cognitive Style Divergent Thinking Flow and Optimal Experience Knowledge Logic and Reasoning Metacognition Mental Models Memory Metaphors Mind Wandering Mindfulness Problem Finding Problem Solving and Remote Associates The Creative Process Attribution Constraints Discovery Insight Inspiration Intentionality Motivation Risk Taking and Tolerance for Ambiguity Education Children's Creativity Education Intelligence Knowledge Metacognition Play Prodigies Programs And Courses Talent And Teaching Creativity Neuroscience Research Cellular Matter Grey Matter Cellular Density EEG Functional Magnetic Resonance Imaging Fmri Music and The Brain Pupillometry Systems The Cerebellum and Transcranial Electrical Stimulation Psychology The Big 5 Personality Characteristics Bipolar Mood Disorders Childhood Trauma Depression Deviance Dreams Emotions Expressive Arts Grit Introversion Jungian Theory Mad Genius Controversy Openness Schizotypy Suicide Therapy and Counseling Trauma and Transcendence and Transforming Illness and Visual Art Social Aspects of Creativity Awards Birth Order Criticism Consensual Assessment Diversity Eminence Families Friendships and Social Networks Geeks Mentors Millennials Networking Rewards And Sociology Society and Creativity Awards Climate For Creativity Cross Cultural Creativity Destruction Of Creativity Law And Society Social Psychology Social Transformation Voting War and Zeitgeist Technology Chats Computational Creativity Computerized Text Analysis Gaming Memes Networks and Maps and Virtual Reality Personality in Nonhuman Animals Jennifer Vonk, Alexander Weiss, Stan A.

Kuczaj,2017-07-26 This stimulating and comprehensive collection brings together multiple perspectives on the topic of personality in nonhuman animals linking historical perspectives theoretical approaches methods and cutting edge discoveries Experts from various fields describe their findings on species ranging from dogs cats chimpanzees and dolphins to sharks snakes and other reptiles Chapters not only discuss the evolution of personality but also describe potential applications within the areas of animal human interactions animal ethics and welfare conservation science and other areas A key focus is the role of genetics and the environment in determining animal behavior and personality including related traits such as creativity and boredom These chapters present the study of personality in nonhumans as a means by which we can better understand medical and psychological issues specific to our own species as well Chapters include Exploring factor space and other adventures with the Hominoid Personality Questionnaire The quantitative and molecular genetics of individual differences in animal personality Personality temperament and individuality in reptile behavior What do we want to know about personality in marine mammals Individual differences in nonhuman animals examining boredom curiosity and creativity The interplay between animal personality and foraging ecology Taking significant steps in advancing the study of animal personality Personality in Nonhuman Animals will engage personality psychologists comparative psychologists and behavior ecologists as well as conservationists zookeepers livestock managers and all those interested in the brain and behavior of animals

Acoustic Communication in Animals Yoshimasa Seki,2023-07-19 This book is the first volume of the bioacoustics series published by the Society for Bioacoustics This volume provides an overview of the advances and recent topics in acoustic communication in various animals Most animals produce vibrations and sounds by moving their body parts including vocal organs These sounds can be research targets of bioacoustics studies How animals use these sounds especially in inter individual relationships is the focus of this volume Acoustic Communication in Animals The authors expertise varies from molecular biology neurobiology to psychology and human brain imaging Their research subjects range from invertebrates to humans Despite the variety of topics chapters are developed under the consideration of ethology and evolution Readers will recognize the profundity of the topics in each chapter In addition the view and understanding of natural sound sequences produced by animals can vary among different cultures Research from Japan and regions that have been underrepresented in previous literature can offer new ideas and unique perspectives in the study of bioacoustics Readers can grasp the progress of this research field in a broad range of species in one book The book presents multi and interdisciplinary topics and appeals to researchers and students in fields including psychology physiology zoology ethology and neurosciences

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