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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



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Editorial Review

Review

"Like many potential readers of this excellent book, I suspect, I opened it with some skepticism. I closed it with admiration. Admiration for the many serious scientists who have given their lives in creative, critical analyses and experiments, to understand better the creative aspects of life around us." --**American Journal of Psychology, *Animal Creativity and Innovation***

"...an extremely rich, powerful collection of essays exploring the what, who, when, where, how, and why of innovativeness and creativity in nonhuman animals...the main strength of this edited volume is its transdisciplinary approach...Summing Up: Highly recommended" --**CHOICE Reviews Online**

"...as a vehicle to present this group of related studies in a single place, the work is both useful and successful." --**PsycCRITIQUES**

"The book contains some excellent material written by some very fine scientists... I, for one, learned a lot and profited from my reading... The book should be of interest to comparative psychologists, students of human innovation and creativity, and others with a general interest in these topics.... I recommend it to the reader who can profit from its excellent chapters." --**PsycCRITIQUES**

"The editors...added interest by creating dialogs, with researchers who study human creativity commenting on each chapter by researchers who report on animal creativity....Like many potential readers of this excellent book...I opened it with some skepticism. I closed it with admiration. Admiration for the many serious scientists who have given their lives in creative, critical analyses and experiments, to understand better the creative aspects of life around us." - Peter R. Killeen, **American Journal of Psychology**, Fall 2016, Vol 129, No. 3 pp 327-361

About the Author

James C. Kaufman, PhD, is a Professor of Educational Psychology at the Neag School of Education at the University of Connecticut. He is the author/editor of more than 30 books and 250 papers. Dr. Kaufman co-founded two APA journals (Psychology of Popular Media Culture and Psychology of Aesthetics, Creativity, and the Arts) and is a Past President of APA's Division 10. He has won numerous awards, including the Torrance Award from the National Association for Gifted Children, the Berlyne and Farnsworth Awards from APA, and Mensa's research award.

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