



Resource Selection by Animals

By Wallace P. Erickson

Springer Jun 2002, 2002. Buch. Book Condition: Neu. 235x155x19 mm. This item is printed on demand - Print on Demand Neuware - We have written this book as a guide to the design and analysis of field studies of resource selection, concentrating primarily on statistical aspects of the comparison of the use and availability of resources of different types. Our intended audience is field ecologists in general and, in particular, wildlife and fisheries biologists who are attempting to measure the extent to which real animal populations are selective in their choice of food and habitat. As such, we have made no attempt to address those aspects of theoretical ecology that are concerned with how animals might choose their resources if they acted in an optimal manner. The book is based on the concept of a resource selection function (RSF), where this is a function of characteristics measured on resource units such that its value for a unit is proportional to the probability of that unit being used. We argue that this concept leads to a unified theory for the analysis and interpretation of data on resource selection and can replace many ad hoc statistical methods that have been used in the...

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Resource selection by animals is an important determinant of fitness and is a focus of many ecological studies (Franklin et al. 2000). A common approach for examining species occurrence and habitat selection in the 1980s. S. Gillies et al. © 2006 The Authors. Journal compilation © 2006 British Ecological Society, *Journal of Animal Ecology*, 75, 887–898. ecological literature is resource selection functions (RSF; Manly et al. 2002). RSF models are attractive to ecologists because they provide quantitative, spatially explicit, predictive models for animal occurrence (e.g. Mladenoff et al. 1995... *Resource Selection by Animals*: - is an invaluable guide for field biologists; - provides a consistent framework for study of resource selection (food and habitat) by animals; - is a unique guide, and is the only book which covers this critical topic in such depth; and - is particularly useful to wildlife managers and conservation biologists. Whether you've loved the book or not, if you give your honest and detailed thoughts then people will find new books that are right for them. 1. Career Ideas for Kids Who Like Animals and Nature. Ferguson. Diane Lindsey Reeves. First International Conference on Resource Selection by Animals in Laramie, Wyoming is truly a bible for wildlife researchers. The authors present Resource Selection Functions (RSF) as a unified theory for the study of resource selections and how to quantify them. The focus of this book is the statistical aspects of resource selection as relevant for any Wildlife and Fisheries Biologists. This key publication defines. Based on the analysis of aquatic animal habitat, we showed selective conservation of aquatic animals in a consolidated paddy field. This proposal is characterized by the fact that measures can be taken depending on the target aquatic animals and available resources. View full-text. Article.