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| Autore                  | Kery Marc  |
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| Nota di contenuto       | Front Cover; Introduction to WinBUGS for Ecologists; Copyright; Chapter 1. Introduction; Chapter 2. Introduction to the Bayesian Analysis of a Statistical Model; Chapter 3. WinBUGS; Chapter 4. A First Session in WinBUGS: The "Model of the Mean"; Chapter 5. Running WinBUGS from R via R2WinBUGS; Chapter 6. Key Components of (Generalized) Linear Models: Statistical Distributions and the Linear Predictor; Chapter 7. t-Test: Equal and Unequal Variances; Chapter 8. Normal Linear Regression; Chapter 9. Normal One-Way ANOVA; 9.1 Introduction: Fixed and Random Effects; Chapter 10. Normal Two-Way ANOVA Chapter 11. General Linear Model (ANCOVA)Chapter 12. Linear Mixed-Effects Model; Chapter 13. Introduction to the Generalized Linear Model: Poisson "t-test"; Chapter 14. Overdispersion, Zero-Inflation, and Offsets in the GLM; Chapter 15. Poisson ANCOVA; Chapter 16. Poisson Mixed-Effects Model (Poisson GLMM); Chapter 17. Binomial "t-Test"; Chapter 18. Binomial Analysis of Covariance; Chapter 19. Binomial Mixed-Effects Model (Binomial GLMM); Chapter 20. Nonstandard GLMMs 1: Site-Occupancy Species Distribution Model; Chapter 21. Nonstandard GLMMs 2: Binomial Mixture Model to Model Abundance Chapter 22. Conclusions Appendix: A List of WinBUGS Tricks |
| Sommario/riassunto      | Bayesian statistics has exploded into biology and its sub-disciplines,   |

such as ecology, over the past decade. The free software program WinBUGS and its open-source sister OpenBUGS is currently the only flexible and general-purpose program available with which the average ecologist can conduct standard and non-standard Bayesian statistics. Introduction to WINBUGS for Ecologists goes right to the heart of the matter by providing ecologists with a comprehensive, yet concise, guide to applying WinBUGS to the types of models that they use most often: linear (LM), generalized linear (GLM),

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