

WILLIAM A. LINK

WORK EXPERIENCE

- 1987–Present Mathematical Statistician
USGS Patuxent Wildlife Research Center
Developed statistical methods for wildlife studies, with emphasis on population monitoring, demographic analysis, and contaminant studies. Recent research has focused on Bayesian multimodel inference and hierarchical modeling.
- 1986–1987 Assistant Professor of Mathematics
Towson State University
Taught undergraduate mathematics and statistics; served as statistical consultant.

EDUCATION

- 1980–1986 The University of Massachusetts at Amherst
M.A., Ph.D.
Thesis: *Contributions to Reliability Theory and Survival Analysis*
Developed and investigated models for informative censoring, and tests of exponentiality against monotone failure rate average alternatives.
Advisors: Profs. Ramesh KORWAR, Hui-Kuang HSIEH, Constantine GATSONIS, and David HOSMER
- 1976–1980 Western Maryland College
B.A.
Mathematics – Emphasis in probability and statistics.

PUBLICATIONS

- Spring 2010 Book
Bayesian Inference, with Ecological Applications
This text provides a mathematically sound but accessible and engaging introduction to Bayesian inference specifically for environmental scientists, ecologists and wildlife biologists. It emphasizes the power and usefulness of Bayesian methods in an ecological context.
Authors: W.A. LINK, R.J. BARKER
- 1988–Present Articles in peer-reviewed journals
>115 publications, with >45 as first author
Biological Journals, including *American Naturalist*, *Auk*, *Ecology*, *Ecological Applications*, *Journal of Wildlife Management*, *Methods in Ecology and Evolution*, *Oikos*, *Proceedings of the National Academy of Science*
Statistical Journals, including *American Statistician*, *Austrian Journal of Statistics*, *Biometrics*, *Communications in Statistics*, *Journal of Applied Statistics*, *JASA*, *JABES*, *Journal of Computational and Graphical Statistics*, *Journal of Environmental and Ecological Statistics*.

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