Mevin B. Hooten

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Experience:	UNIVERSITY OF TEXAS at AUSTIN, Austin, TX • Professor 2021- • Department of Statistics and Data Sciences	-
	COLORADO STATE UNIVERSITY, Fort Collins, CO • Professor 2018-2021 • Department of Fish, Wildlife, and Conservation Biology • Department of Statistics	
	 Associate Professor Department of Fish, Wildlife, and Conservation Biology Department of Statistics 	, •
	 Assistant Professor Department of Fish, Wildlife, and Conservation Biology 	,
	 Department of Statistics Faculty Affiliate, Graduate Degree Program in Ecology 2010- 	-
	U.S. GEOLOGICAL SURVEY, Fort Collins, CO • Assistant Unit Leader • Colorado Cooperative Fish and Wildlife Research Unit	1
	 UTAH STATE UNIVERSITY, Logan, UT Assistant Professor of Statistics, Department of Mathematics and Statistics Adjunct Faculty, Department of Wildland Resources Faculty Associate, Ecology Center 	
Education:	UNIVERSITY OF MISSOURI, Columbia, MO • Ph.D. Statistics Advisor: Christopher K. Wikle • Dissertation Topic: Hierarchical spatio-temporal models for ecological processes	
	UNIVERSITY OF MISSOURI, Columbia, MO • M.S. Forest Ecology Advisor: David R. Larsen • Thesis Topic: Modeling the spatial distribution of ground flora	
	 KANSAS STATE UNIVERSITY, Manhattan, KS B.S. Natural Resource Management Advisor: Mark Morgan Minor in Wildlife Biology 	

Books:

- Hooten, M.B. and T.J. Hefley. (2019). Bringing Bayesian Models to Life. Chapman & Hall/CRC.
- Hooten, M.B., D.S. Johnson, B.T. McClintock, and J. Morales. (2017). Animal Movement: Statistical Models for Telemetry Data. Chapman & Hall/CRC.
- Hobbs, N.T. and M.B. Hooten. (2015). Bayesian Models: A Statistical Primer for Ecologists. Princeton University Press.

Selected Publications: (students and post-docs underlined)

- <u>Lu, X.</u>, M.B. Hooten, A. Kaplan, J.N. Womble, and M.R. Bower. (In Press). Improving wildlife population inference from aerial imagery data through entity resolution. *Journal of Agricultural, Biological, and Environmental Statistics*.
- <u>Scharf, H.R., X. Lu, P.J. Williams</u>, and M.B. Hooten. (In Press). Constructing flexible, identifiable, and interpretable statistical models for binary data. *International Statistical Review*.
- <u>Scharf, H.R., A. Raiho, S. Pugh, C.A. Roland, D.K. Swanson, S.E. Stehn, and M.B. Hooten.</u> (In Press). Multivariate Bayesian clustering using covariate-informed components with application to boreal vegetation sensitivity. *Biometrics*.
- <u>Van Ee, J.J.</u>, J.S. Ivan, and M.B. Hooten. (2022). Community confounding in joint species distribution models. *Scientific Reports*, **12**: 12235.
- <u>Schafer, T.L.J.</u>, C.K. Wikle, and M.B. Hooten. (2022). Bayesian inverse reinforcement learning for collective animal movement. *Annals of Applied Statistics*, **16**: 999-1013.
- Zimmerman, S., C. Aldridge, S. Oyler-McCance, and M.B. Hooten. (2022). Scale-dependent influence of the sagebrush community on genetic connectivity of the sagebrush obligate Gunnison sage-grouse. *Molecular Ecology*, **31**: 3267-3285.
- Johnson, D.S., B.M. Brost, and M.B. Hooten. (2022). Greater than the sum of its parts: Computationally flexible Bayesian hierarchical modeling. *Journal of Agricultural, Biological, and Environmental Statistics*, **27**: 382-400.
- <u>Kim, S.,</u> M.B. Hooten, T.L. Darden, and Y. Kanno. (2022). Linking male reproductive success to effort within and among nests in a co-breeding stream fish. Ethology, **128**: 489-498.
- Raiho, A., H.R. Scharf, C.A. Roland, D.K. Swanson, S.E. Stehn, and M.B. Hooten. (In Press). Searching for refuge: A framework for identifying site factors conferring resistance to climate-driven vegetation change. *Diversity and Distributions*, **28**: 793-809.
- <u>Leach, C.B.</u>, P.J. Williams, J.M. Eisaguirre, J.N. Womble, M.R. Bower, and M.B. Hooten. (2022). Recursive Bayesian computation facilitates adaptive optimal design in ecological studies. *Ecology*, **103**: e03573.
- <u>Feuka, A.B.</u>, M.G. Nafus, A.A. Yackel Adams, L.L. Bailey, and M.B. Hooten. (2022). Endogenous and exogenous mechanisms affecting invasive reptile movement at multiple scales. *Movement Ecology*, **10**: 2.
- <u>Raiho, A.</u>, E.F. Nicklen, A. Foster, C.A. Roland, and M.B. Hooten. (2021). Bridging implementation gaps to connect large ecological datasets to complex models. *Ecology and Evolution*, **11**: 18271-

18287.

Lepak, J.M., A.G. Hansen, M.B. Hooten, D. Brauch, and E.M. Vigil. (2021). Rapid proliferation of the parasitic copepod *Salmincola californiensis* on kokanee salmon in a large Colorado reservoir. *Journal of Fish Diseases*, **45**: 89-98.

<u>Eisaguirre, J.M.</u>, P.J. Williams, <u>X. Lu</u>, M.L. Kissling, W.W. Beatty, G.G. Esslinger, J.N. Womble, and M.B. Hooten. (In Press). Diffusion modeling reveals effects of multiple release sites and human activity on a recolonizing apex predator. *Movement Ecology*, **9**: 34.

Banks, D.L. and M.B. Hooten. (2021). Statistical challenges in agent-based modeling. *The American Statistician*, **75**: 235-242.

Williamson, M.A., B.G. Dickson, M.B. Hooten, R.A. Graves, M.N. Lubell, and M.W. Schwartz. (2021). Accounting for incomplete reporting improves inference about private land conservation. *Conservation Biology*, **35**: 1174-1185.

Hooten, M.B., D.S. Johnson, and B.M. Brost. (2021). Making recursive Bayesian inference accessible. *The American Statistician*, **75**: 185-194.

McCaslin, H.M., A.B. Feuka, and M.B. Hooten. (2021). Hierarchical computing for hierarchical models in ecology. *Methods in Ecology and Evolution*, **12**: 245-254.

Lasky, J.R., M.B. Hooten, and P.B. Adler. (2020). What processes must we understand to forecast regional scale population dynamics? *Proceedings of the Royal Society, Series B*, **287**: 20202219.

<u>Leach, C.</u>, J.A. Hoeting, K. Pepin, A. Eiras, M.B. Hooten, and C. Webb. (2020). Linking mosquito surveillance to dengue fever through Bayesian mechanistic modeling. *PLoS Neglected Tropical Diseases*, **14**: *e0008868*.

Hooten, M.B., C.K. Wikle, and M.R. Schwob. (2020). Statistical implementations of agent-based demographic models. *International Statistical Review*, **88**: 441-461.

Brost, B.M., M.B. Hooten, and R.J. Small. (2020). Model-based clustering reveals patterns in central place use of a marine top predator. *Ecosphere*, **11**: e03123.

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<u>Lu, X., P.J. Williams</u>, M.B. Hooten, J.A. Powell, J.N. Womble, and M.R. Bower. (2020). Nonlinear reaction-diffusion process models improve inference for population dynamics. *Environmetrics*, **31**: e2604.

Hooten, M.B., S. Pugh, and C.A. Roland. (2020). Geary's contiguity ratio (Geary's c). *Wiley StatsRef: Statistics Reference Online*.

<u>Christianson, K.R.</u>, B.M. Johnson, and M.B. Hooten. (2020). Compound effects of water clarity, inflow, wind, and climate warming on mountain lake thermal regimes. *Aquatic Sciences*, **82**: 6.

<u>Tipton, J.R.</u>, M.B. Hooten, C. Nolan, R.K. Booth, and J. McLachlan. (2019). Predicting paleoclimate from compositional data using multivariate Gaussian process inverse prediction. *Annals of Applied Statistics*, **13**: 2363-2388.

- Gerber, B.D., M.B. Hooten, C.P. Peck, M.B. Rice, J.H. Gammonley, A.D. Apa, and A.J. Davis. (2019). Extreme site fidelity as an optimal strategy in an unpredictable and homogeneous environment. *Functional Ecology*, **33**: 1695-1707.
- Williams, P.J., W.L. Kendall, and M.B. Hooten. (2019). Selecting ecological models using multi-objective optimization. *Ecological Modelling*, **404**: 21-26.
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- Scharf, H.R., M.B. Hooten, R.R. Wilson, G.M. Durner, T.C. Atwood. (2019). Accounting for phenology in the analysis of animal movement. *Biometrics*, **75**: 810-820.
- <u>Christianson, K.R.</u>, B.M. Johnson, M.B. Hooten, and J.J. Roberts. (2019). Estimating lake-climate responses from sparse data: an application to high elevation lakes. *Limnology and Oceanography*, **64**: 1371-1385.
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- Hooten, M.B., <u>H.J. Scharf</u>, and J.M. Morales. (2019). Running on empty: Recharge dynamics from animal movement data. *Ecology Letters*, **22**: 377-389.
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- Conn, P.B., D.S. Johnson, <u>P.J. Williams</u>, S.R. Melin, and M.B. Hooten. (2018). A guide to Bayesian model checking for ecologists. *Ecological Monographs*, **88**: 526-542.

- Hooten, M.B., <u>H.R. Scharf</u>, <u>T.J. Hefley</u>, A. Pearse, and M. Weegman. (2018). Animal movement models for migratory individuals and groups. *Methods in Ecology and Evolution*, **9**: 1692-1705.
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- Ver Hoef, J.M., E.M. Hanks, and M.B. Hooten. (2018). On the relationship between conditional (CAR) and simultaneous (SAR) autoregressive models. *Spatial Statistics*, **25**: 68-85.
- <u>Ketz, A.C.</u>, T.L. Johnson, R.J. Monello, J. Mack, J.L. George, B.R. Kraft, M.A. Wild, M.B. Hooten, and N.T. Hobbs. (2018). Estimating abundance of an open population with an N-mixture model using auxiliary data on animal movements. *Ecological Applications*, **28**: 816-825.
- Williams, P.J., M.B. Hooten, J.N. Womble, G.G. Esslinger, and M.R. Bower. (2018). Monitoring dynamic spatio-temporal ecological processes optimally. *Ecology*, **99**: 524-535.
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- <u>Buderman, F.M.</u>, M.B. Hooten, J.S. Ivan, and T.M. Shenk. (2018). Large-scale movement behavior in a reintroduced predator population. *Ecography*, **41**: 126-139.
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- <u>Roberts, J.J.</u>, K.D. Fausch, M.B. Hooten, and D.P. Peterson. (2017). Nonnative trout invasions combined with climate change threaten persistence of isolated cutthroat trout populations in the southern Rocky Mountains. *North American Journal of Fisheries Management*, **37**: 314-325.
- Meredith, C.S., P. Budy, M.B. Hooten, and M.O. Prates. (2017). Assessing abiotic conditions influencing the longitudinal distribution of exotic brown trout (*Salmo trutta*) in a mountain stream: a spatially-explicit modeling approach. *Biological Invasions*, **19**: 503-519.
- Hooten, M.B. and D.S. Johnson. (2017). Basis function models for animal movement. *Journal of the American Statistical Association*, **112**: 578-589.
- <u>Tredennick, A.T.</u>, M.B. Hooten, and P.B. Adler. (2017). Do we need demographic data to forecast the state of plant populations? *Methods in Ecology and Evolution*, **8**: 541-551.
- <u>Hefley, T.J.</u>, M.B. Hooten, E.M. Hanks, R.E. Russell, and D.P. Walsh. (2017). Dynamic spatiotemporal models for spatial data. *Spatial Statistics*, **20**: 206-220.
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- <u>Hanks, E.M.</u> and M.B. Hooten. (2013). Circuit theory and model-based inference for landscape connectivity. *Journal of the American Statistical Association*, **108**: 22-33. (Best Student Paper Award at ENVR ASA 2012)
- <u>Cruz, S.M.</u>, M.B. Hooten, K.P. Huyvaert, C. Proano, D.J. Anderson, J. Fox, and M. Wikelski. (2013). At–sea behavior varies with lunar phase in a nocturnal pelagic seabird, the swallow-tailed gull. *PLoS One*, **8**: e56889.
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- health. *Ecotoxicology*, **21**: 1878-1888.
- Hooten, M.B., <u>B.E. Ross</u>, and C.K. Wikle (2012). Optimal spatio-temporal monitoring designs for characterizing population trends. Gitzen, R.A., J.J. Millspaugh, A.B. Cooper, and D.S. Licht (eds). In: Design and Analysis of Long-Term Ecological Monitoring Studies. Cambridge University Press.
- <u>Haas, S.E.</u>, M.B. Hooten, D. Rizzo, and R.K. Meentemeyer. (2011). Forest species diversity reduces disease risk in a generalist plant pathogen invasion. *Ecology Letters*, **14**: 1108-1116.
- Hooten, M.B., <u>W.B. Leeds</u>, <u>J. Fiechter</u>, and C.K. Wikle. (2011). Assessing first-order emulator inference for physical parameters in nonlinear mechanistic models. *Journal of Agricultural*, *Biological*, *and Environmental Statistics*, **16**: 475-494.
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- <u>Garlick, M.J.</u>, J.A. Powell, M.B. Hooten, and L. McFarlane. (2011). Homogenization of large-scale movement models in ecology. *Bulletin of Mathematical Biology*, **73**: 2088-2108.
- <u>Xiao X.</u>, E.P. White, M.B. Hooten, and S.L. Durham. (2011). On the use of log-transformation vs. nonlinear regression for analyzing biological power-laws. *Ecology*, **92**: 1887-1894.
- Hanks, E.M., M.B. Hooten, D.S. Johnson, and J.T. Sterling. (2011). Velocity based movement modeling for individual and population level inference. PLoS One, **6**(8): e22795.
- <u>Hanks</u>, E.M., M.B. Hooten, and F. Baker. (2011). Reconciling multiple data sources to improve accuracy of large-scale prediction of forest disease incidence. *Ecological Applications*, **24**: 1173-1188.
- <u>Dalgleish</u>, H.J., D.N. Koons, M.B. Hooten, C.A. Moffet, and P.B. Adler. (2011). The influence of climate on the demography of three dominant sagebrush steppe plants. *Ecology*, **92**: 75-85.
- Hooten, M.B. (2011). The State of Spatial and Spatio-Temporal Statistical Modeling. Drew A., F. Huettman, and Y. Wiersma (eds). *In: Predictive Modeling in Landscape Ecology*. Springer.
- Hooten, M.B., D.S. Johnson, <u>E.M. Hanks</u>, and <u>J.H. Lowry</u>. (2010). Agent-based inference for animal movement and selection. *Journal of Agricultural, Biological and Environmental Statistics*, **15**: 523-538.
- Wikle, C.K. and M.B. Hooten. (2010). A general science-based framework for nonlinear spatio-temporal dynamical models. *Test*, **19**: 417-451.
- Wilson, R.R., Blankenship, T.L., Hooten, M.B., and J.A. Shivik. (2010). Prey-mediated avoidance of an intraguild predator by its intraguild prey. *Oecologia*, **164**: 921-929.
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- Hooten, M.B., J. Anderson and L. Waller. (2010). Assessing North American influenza dynamics

with statistical SIRS models. Spatial and Spatio-Temporal Epidemiology, 1: 177-185.

Hooten, M.B. and C.K. Wikle. (2010). Statistical agent-based models for discrete spatio-temporal systems. *Journal of the American Statistical Association*, **105**: 236-248.

Wilson, T.L., J.B. Odei, M.B. Hooten, and T.C. Edwards. (2010). Hierarchical spatial models for predicting pygmy rabbit distribution and relative abundance. *Journal of Applied Ecology*, **47**: 401-409.

<u>Larsen, R.T.</u>, J.A. Bissonette, T.F. Flinders, M.B. Hooten, and <u>T.L. Wilson</u>. (2010). Summer spatial patterning of chukars in relation to free water in Western Utah. *Landscape Ecology*, **25**: 135-145.

Hooten, M.B., C.K. Wikle, L.D. Carlile, R. Warner, and D. Pitts (2009). Hierarchical population models for the red-cockaded woodpecker. Rich, T.D., M. C. Arizmendi, D. Demarest and C. Thompson (eds). Tundra to Tropics: Connecting Birds, Habitats and People. Proceedings of the 4th International Partners in Flight Conference, 13-16 February 2008. McAllen, TX. University of Texas-Pan American Press. Edinburg, TX. pgs. 354-364.

<u>Cangelosi</u>, A.R. and M.B. Hooten. (2009). Models for bounded systems with continuous dynamics. *Biometrics*, **65**: 850-856.

Hooten, M.B., C.K. Wikle, S. Sheriff, and J. Rushin. (2009). Optimal spatio-temporal hybrid sampling designs for ecological monitoring. *Journal of Vegetation Science*, **20**: 639-649.

Mock, K., C. Rowe, M.B. Hooten, A.J. DeWoody, and V.D. Hipkins. (2008). Clonal dynamics in western North American aspen (Populus tremuloides). *Molecular Ecology*, **17**: 4827-4844.

Hooten, M. B. and C.K. Wikle. (2008). A hierarchical Bayesian non-linear spatio-temporal model for the spread of invasive species with application to the Eurasian Collared-Dove. *Environmental and Ecological Statistics*, **15**(1): 59-70. DOI: 10.1007/s10651-007-0040-1.

Arab, A., M.B. Hooten, and C.K. Wikle (2007). Hierarchical Spatial Models. *In: Encyclopedia of Geographical Information Science*. Springer.

Hooten, M.B., C.K. Wikle, R.M. Dorazio, and J.A. Royle. (2007). Hierarchical spatio-temporal matrix models for characterizing invasions. *Biometrics*, **63**: 558-567.

He, H.S., D.C. Dey, X. Fan, M.B. Hooten, J. Kabric, C.K. Wikle, and Z. Fan. (2007). Mapping pre-European settlement vegetation using a hierarchical Bayesian model and GIS. *Plant Ecology*, **191**: 85-94.

Hooten, M.B. and C.K. Wikle. (2007). Shifts in the spatio-temporal growth dynamics of shortleaf pine. *Environmental and Ecological Statistics*, **14**(3): 207-227.

Wikle, C.K. and M.B. Hooten (2006). Hierarchical Bayesian spatio-temporal models for population spread. Clark, J.S. and A. Gelfand (eds). In: *Applications of Computational Statistics in the Environmental Sciences: Hierarchical Bayes and MCMC Methods*. Oxford University Press.

Hooten, M. B., Larsen, D.R., and C.K. Wikle. (2003). Predicting the spatial distribution of ground flora on large domains using a hierarchical Bayesian model. *Landscape Ecology*, **18**: 487-502.

Awards/ Honors:

•	Distinguished Achievement Award	2022
	American Statistical Association, Section on Statistics and the Environment	
•	Superior Performance Award	2020
	U.S. Geological Survey	• • • • •
•	Superior Performance Award	2019
	U.S. Geological Survey	
•	Wildlife Publication Award Shortlist for Authored Book	2019
	The Wildlife Society	
	Publication: Hooten, M.B., D.S. Johnson, B.T. McClintock, and J.M. Mora	
	(2017). Animal Movement: Statistical Models for Telemetry Data. Chapman	n and
	Hall/CRC.	
•	Superior Performance Award	2018
	U.S. Geological Survey	
•	Wildlife Publication Award Shortlist for Authored Book	2018
	The Wildlife Society	
	Publication: Hooten, M.B., D.S. Johnson, B.T. McClintock, and J.M. Mora	
	(2017). Animal Movement: Statistical Models for Telemetry Data. Chapman	n and
	Hall/CRC.	
•	Superior Performance Award	2017
	U.S. Geological Survey	
•	ASA Fellow	2017
	American Statistical Association	
•	President's Invited Lecture	2016
	The International Environmetrics Society Annual Meeting	
•	Superior Performance Award	2016
	U.S. Geological Survey	
•	Outstanding Publication of the Year Award	2015
	Colorado State University, Warner College of Natural Resources	
	Publication: Hobbs, N.T. and M.B. Hooten (2015). Bayesian Models: A St	atistical
	Primer for Ecologists. Princeton University Press.	
•	Excellence in Science Award, Cooperative Research Units	2015
	U.S. Geological Survey	
•	Superior Performance Award	2015
	U.S. Geological Survey	
•	Superior Performance Award	2014
	U.S. Geological Survey	
•	Young Investigator Award	2014
	American Statistical Association, ENVR Section	
•	Superior Performance Award	2013
	U.S. Geological Survey	
•	Superior Performance Award	2012
	U.S. Geological Survey	
•	Superior Performance Award	2011
	U.S. Geological Survey	
•	Researcher of the Year Award	2010
	USU-Department of Mathematics and Statistics	
•	Researcher of the Year Award	2009
	USU-Department of Mathematics and Statistics	

Editorial Experience:

• Associate Editor: Biometrics (2020-)

- Associate Editor: Environmetrics (2014-)
- <u>Associate Editor:</u> Journal of Agricultural, Biological, and Environmental Statistics (2012-13, 2017-)
- Associate Editor: Annals of Applied Statistics (2011-2021)
- <u>Guest Editor:</u> Special Issue in Journal of Agricultural, Biological, and Environmental Statistics (2016-17)
- <u>Guest Editor:</u> Special Issue in Journal of Agricultural, Biological, and Environmental Statistics (2013-14)
- Subject Matter Editor: Ecological Applications (2018)

Teaching Experience:

Workshops and Short Courses

 Building Capacity in Bayesian Modeling for Ecologists (NSF), 10 days 	2022
 Bayesian Statistical Inference and Practice (CPW), 2 days 	2020
R Spatial Data and Analysis (CSU), 1 day	2020
 Animal Movement Modeling Workshop (US-IALE), 1 day 	2019
 Statistical Decision Theory (ASA Alaska Chapter Meeting) 	2019
R Workshop (KSU), 1 day	2018
 Animal Movement Modeling Workshop (ISEC), 1 day 	2018
R Workshop (KSU), 1 day	2017
 Spatio-Temporal Statistical Models in Practice (WNAR, anticipated), 1/2 day 	2017
R Workshop for Wildlife Biologists (CSU-CCFWRU), 1 day	2017
 Building Capacity in Bayesian Modeling for Ecologists (NSF), 10 days 	2016
R Workshop for Wildlife Biologists (TWS-CMPS), 1 day	2016
 Bayesian Decision Theory and Model Selection (ISEC), 1 day 	2016
R Workshop (CSU-CCFWRU), 1 day	2015
 Building Capacity in Bayesian Modeling for Ecologists (NSF), 10 days 	2015
 Parallel Computing for Ecologists and Evol. Biologists (CSU-CU), 1 day 	2015
 Building Capacity in Bayesian Modeling for Ecologists (NSF), 10 days 	2014
R Workshop (CSU-CCFWRU), 1 day	2013
 Building Capacity in Bayesian Modeling for Ecologists (NSF), 10 days 	2013
 Spatial Statistics using R Workshop (TWS), 1 day 	2012
R Workshop for Fisheries Biologists (AFS-Western), 1 day	2012
 Bayesian Models for Ecologists (USU - UCFWRU), 5 days 	2012
R Short Course (CSU-CCFWRU), 1 day	2011
 Bayesian Methods for Landscape Ecologists (US-IALE), 1 day 	2009

The University of Texas at Austin, Dept. of SDS, Austin, TX.

Bayesian Statistical Methods (SDS 384-7: Spring 2022)

■ Elements of Statistics (SDS 320E: Fall 2022)

Colorado State University, Dept. of FWCB, Fort Collins, CO.

2011-20

2021-

2022

- Hierarchical Models in Ecology (FW 680, Fall 2011; FW/STAT 673, Fall 2013, 2015, 2017, 2019)
- Fish, Wildlife, and Conservation Biology Graduate Faculty Seminar (FW 692, Spr. 2016)
- Readings on Bayesian Analysis of Ecological Models and Data (ECOL 592, Fall 2011)
- Independent Study, Wildlife Biology (FW 495, Fall 2014)
- Guest Lectures: STAT 501 (Fall 2011-2019), STAT 192 (Spring 2012-2015, Fall 2019), FW 696 (Fall 2018-2019)

Utah State University, Dept. of Mathematics and Statistics, Logan, UT.

2006-10

- Applied Spatial Statistics (STAT 5410/6410, Fall 2006 2010)
- Statistics for Scientists (STAT 3000, Spring 2007, 2009, Fall 2007, 2008)
- Scientific Statistical Modeling: Directed Readings (STAT 6950, Spring 2007)
- Bayesian Statistics (STAT 6740, Spring 2008, 2010)

Linear Regression and Time-Series (STAT 5100, Fall 2009 - 2010)

University of Missouri, Statistics Dept., Columbia, MO.

Graduate Instructor

- Statistical Methods for Agriculture Graduate Students (STAT 207)
- Probability and Statistics for Business Students (STAT 150)

Graduate Lecturer

• Data Analysis for Graduate Students in Statistics (STAT 414)

University of Missouri, Forestry Dept., Columbia, MO.

1999-01

2002-04

- Graduate Lecturer
- Biometrics
- Geographic Information Systems
- Photogrammetry
- Remote Sensing

Post-Doctoral Fellows (Current):

•	Xinyi Lu, Post-doctoral Fellow	2021-
•	Clint Leach, Post-doctoral Fellow	2020-

Post-Doctoral Fellows (Former):

•	Ann Raiho, Post-doctoral Fellow	2019-2021
•	Henry Scharf, Post-doctoral Fellow	2018-2019
•	Perry Williams, Post-doctoral Fellow	2016-2018
•	Brian Gerber, Post-doctoral Fellow	2016-2017
•	John Tipton, Post-doctoral Fellow	2016-2017
•	Kristin Broms, Post-doctoral Fellow	2013-2016
•	Trevor Hefley, Post-doctoral Fellow	2015-2016
•	Viviana Ruiz-Gutierrez, Post-doctoral Fellow	2013-2014
•	Tabitha Graves, Smith Post-doctoral Fellow	2012-2014

Graduate Students (Current):

- Brandon Carter (UT-Austin, PhD-Statistics), Com. Member.
- Hanna McCaslin (CSU, PhD-Ecology), Co-Advisor (w/ Kyle Horton).
- Connie Okasaki (UW, PhD-Ecology), Com. Member.
- Michael Schwob (UT-Austin, PhD-Statistics), Advisor.
- Justin Van Ee (CSU, PhD-Statistics), **Co-Advisor** (w/ Matt Koslovsky).
- George Valentine (CSU, MS-Ecology), Co-Advisor (w/ Yoichiro Kanno).
- Wilson Wright (CSU, PhD-Statistics), Co-Advisor (w/ Dan Cooley).

Graduate Students (Graduated):

•	Xinyi Lu (CSU, PhD-Statistics), Advisor.	2021
•	David Clancy (CSU, MS-Statistics), Advisor.	2019
•	Henry Scharf (CSU, PhD-Statistics), Advisor.	2017
•	Frances Buderman (CSU, PhD-Wildlife), Advisor.	2017
•	Brian Brost (CSU, PhD-Ecology), Advisor.	2016
•	John Tipton (CSU, PhD-Statistics), Co-Advisor (w/ Jean Opsomer).	2016
•	Perry Williams (CSU, MS-Statistics), Advisor.	2015
•	Shannon Kay (CSU, MS-Statistics), Advisor.	2015
•	Alison Cartwright (CSU, MS-Statistics), Co-Advisor (w/ Jean Opsomer).	2013

	E 1 M II. 1 (COII DID Co. d' d') Address	2012
•	Ephraim M. Hanks (CSU, PhD-Statistics), Advisor.	2013
•	Beth Ross (USU, PhD-Wildland Resources), Co-Advisor (w/ Dave Koons).	2013
•	Martha Garlick (USU, PhD-App. Math), Co-Advisor (w/ Jim Powell).	2012 2012
•	Beth Ross (USU, MS-Statistics), Advisor. Xiao Xiao (USU, MS-Statistics), Advisor.	2012
•	· · · · · · · · · · · · · · · · · · ·	
•	Glenda Yenni (USU, MS-Statistics), Advisor.	2011 2011
•	Jess Anderson (USU, MS-Statistics), Advisor.	2011
	Mark Schmelter (USU, MS-Statistics), Advisor. Ephraim M. Hanks (USU, MS-Statistics), Advisor.	2011
•		2010
•	Amanda R. Cangelosi (USU, MS-Statistics), Advisor. Darl D. Flake (USU, MS-Statistics), Advisor.	
	· · · · · · · · · · · · · · · · · · ·	2008
•	Lachlan Griffin (QUT, MS-Statistics), Ext. Examiner	2021
•	Abigail Feuka (CSU, MS-Wildlife Biology), Com. Member.	2021
•	Toryn Schafer (MU, PhD-Statistics), Com. Member.	2020
•	Francisco Peralta (Univ. of Cape Town, PhD-Statistical Ecology), External Examiner.	2020
•	Ghulam Samad (CSU, PhD-Ecology), Com. Member.	2020
•	Clint Leach (CSU, PhD-Biology), Com. Member.	2019
•	Kyle Christianson (CSU, PhD-FWCB), Com. Member.	2019
•	Shawna Zimmerman (CSU, PhD-Ecology), Com. Member.	2018
•	Richard Glennie (Univ. of St. Andrews, Statistics), External Examiner.	2018
•	Clint Leach (CSU, MS-Statistics), Com. Member.	2017
•	Alison Ketz (CSU, PhD-Ecology), Com. Member.	2017
•	Yang Liu (UBC, PhD-Statistics), External Examiner.	2017
	Zachary Weller (CSU, PhD-Statistics), Com. Member.	2017
•	Katy Warner (CSU, PhD-FWCB), Com. Member.	2016
•	Perry Williams (CSU, PhD-FWCB), Com. Member.	2015
•	Brian Gerber (CSU, PhD-FWCB), Com. Member.	2015
•	Kevin Blecha (CSU, MS-Ecology), Com. Member.	2015
	Joe Northrup (CSU, PhD-Wildlife), Com. Member.	2015
•	Christian Roy (Univ. Laval, Canada, PhD-Ecology), External Examiner.	2015
•	Shane Siers (CSU, PhD-Ecology), Com. Member.	2014 2014
•	Xiao Xiao (USU, PhD-Biology), Com. Member.	2014
•	Ann Raiho (CSU, MS-Ecology), Com. Member. Eric Gardunio (CSU, MS-FWCB), Com. Member.	2014
•	Glenda Yenni (USU, PhD-Biology), Com. Member.	2014
•	Aldo Compagnoni (USU, PhD-Wildland Resources), Com. Member.	2013
•	Mark Schmelter (USU, PhD-Engineering), Com. Member	2013
•	Christy Meredith (USU, PhD-Wildland Resources), Com. Member.	2013
	Andrew Rayburn (USU, PhD-Wildland Resources), Com. Member.	
•	John Lowry (USU, PhD-Wildland Resources), Com. Member.	2011 2010
•	Peter Sherick (USU, MS-Statistics), Com. Member.	2010
•	Audrey Smith (USU, MS-Mathematics), Com. Member.	2010
•	Tammy L. Wilson (USU, PhD-Wildland Resources), Com. Member.	2010
•	Amanda Bakian (USU, MS-Statistics), Com. Member.	2010
•	Randy Larsen (USU, PhD-Wildland Resources), Com. Member.	
•	Randy Laisen (USU, Piid-wildiand Resources), Com. Member.	2008

Employees (Former):

•	Michael Schwob, Statistical Technician	2020
•	Christopher Peck, Research Associate	2017-2018
•	Jonathan Lewis, Research Associate	2015-2016
•	Joseph Halseth, Research Associate	2013-2015