## 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	
	<ul> <li>Associate Professor</li> <li>Department of Fish, Wildlife, and Conservation Biology</li> <li>Department of Statistics</li> </ul>	, •
	<ul> <li>Assistant Professor</li> <li>Department of Fish, Wildlife, and Conservation Biology</li> </ul>	,
	<ul> <li>Department of Statistics</li> <li>Faculty Affiliate, Graduate Degree Program in Ecology</li> <li>2010-</li> </ul>	-
	U.S. GEOLOGICAL SURVEY, Fort Collins, CO  • Assistant Unit Leader  • Colorado Cooperative Fish and Wildlife Research Unit	1
	<ul> <li>UTAH STATE UNIVERSITY, Logan, UT</li> <li>Assistant Professor of Statistics, Department of Mathematics and Statistics</li> <li>Adjunct Faculty, Department of Wildland Resources</li> <li>Faculty Associate, Ecology Center</li> </ul>	
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	
	<ul> <li>KANSAS STATE UNIVERSITY, Manhattan, KS</li> <li>B.S. Natural Resource Management Advisor: Mark Morgan</li> <li>Minor in Wildlife Biology</li> </ul>	

#### **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., 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>Scharf, H.R., X. Lu, P.J. Williams</u>, and M.B. Hooten. (2022). Constructing flexible, identifiable, and interpretable statistical models for binary data. *International Statistical Review*, **90**: 328-345.

<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.

<u>Raiho, A., H.R. Scharf, C.A. Roland, D.K. Swanson, S.E. Stehn, and M.B. Hooten.</u> (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.

Hooten, M.B., X. Lu, M.J. Garlick, and J.A. Powell. (2020). Animal movement models with mechanistic selection functions. *Spatial Statistics*, **37**: 100406.

<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.
- Nolan, C., J. Tipton, R.K. Booth, M.B. Hooten, and S.T. Jackson. (2019). Comparing and improving methods for reconstructing peatland water table depth from testate amoebae. *The Holocene*, **29**: 1350-1361.
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- <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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- 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.
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- Ver Hoef, J.M., E.E. Peterson, M.B. Hooten, E.M. Hanks, and M-J. Fortin. (2018). Spatial autoregressive models for statistical inference from ecological Data. *Ecological Monographs*, **88**: 36-59.
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- Steger, C., B. Butt, and M.B. Hooten. (2017). Safari Science: Assessing the reliability of citizen science data for wildlife surveys. *Journal of Applied Ecology*, **54**: 2053-2062.
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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.
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- <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>Williams, P.J.,</u> M.B. Hooten, J.N. Womble, G.G. Esslinger, M.R. Bower, and <u>T.J. Hefley</u>. (2017). An integrated data model to estimate spatio-temporal occupancy, abundance, and colonization dynamics. *Ecology*, **98**: 328-336
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- <u>Hefley, T.J.,</u> M.B. Hooten, E.M. Hanks, R.E. Russell, and D.P. Walsh. (2017). The Bayesian group lasso for confounded spatial data. *Journal of Agricultural, Biological and Environmental Statistics*, **22**: 42-59.
- <u>Tipton, J.,</u> M.B. Hooten, and <u>S. Goring</u>. (2017). Reconstruction of spatio-temporal temperature from sparse historical records using robust probabilistic principal component regression. *Advances in Statistical Climatology, Meteorology and Oceanography*, **3**: 1-16.
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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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- <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, H.J.</u>, 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.
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- 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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<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.	2015
•	Superior Performance Award	2017
	U.S. Geological Survey	2015
•	ASA Fellow	2017
	American Statistical Association	2016
•	President's Invited Lecture	2016
_	The International Environmetrics Society Annual Meeting	2016
•	Superior Performance Award	2016
_	U.S. Geological Survey	2015
•	Outstanding Publication of the Year Award	2015
	Colorado State University, Warner College of Natural Resources	_4:_4:1
	Publication: Hobbs, N.T. and M.B. Hooten (2015). Bayesian Models: A St	ausucai
	Primer for Ecologists. Princeton University Press.	2015
•	Excellence in Science Award, Cooperative Research Units U.S. Geological Survey	2013
	Superior Performance Award	2015
-	U.S. Geological Survey	2013
	Superior Performance Award	2014
	U.S. Geological Survey	2014
	Young Investigator Award	2014
	American Statistical Association, ENVR Section	2014
	Superior Performance Award	2013
	U.S. Geological Survey	2013
	Superior Performance Award	2012
	U.S. Geological Survey	2012
	Superior Performance Award	2011
	U.S. Geological Survey	2011
	Researcher of the Year Award	2010
	USU-Department of Mathematics and Statistics	2010
	Researcher of the Year Award	2009
	USU-Department of Mathematics and Statistics	/
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# 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

<ul> <li>Building Capacity in Bayesian Modeling for Ecologists (NSF), 10 days</li> </ul>	2022
<ul> <li>Bayesian Statistical Inference and Practice (CPW), 2 days</li> </ul>	2020
R Spatial Data and Analysis (CSU), 1 day	2020
<ul> <li>Animal Movement Modeling Workshop (US-IALE), 1 day</li> </ul>	2019
<ul> <li>Statistical Decision Theory (ASA Alaska Chapter Meeting)</li> </ul>	2019
R Workshop (KSU), 1 day	2018
<ul> <li>Animal Movement Modeling Workshop (ISEC), 1 day</li> </ul>	2018
R Workshop (KSU), 1 day	2017
<ul> <li>Spatio-Temporal Statistical Models in Practice (WNAR, anticipated), 1/2 day</li> </ul>	2017
R Workshop for Wildlife Biologists (CSU-CCFWRU), 1 day	2017
<ul> <li>Building Capacity in Bayesian Modeling for Ecologists (NSF), 10 days</li> </ul>	2016
R Workshop for Wildlife Biologists (TWS-CMPS), 1 day	2016
<ul> <li>Bayesian Decision Theory and Model Selection (ISEC), 1 day</li> </ul>	2016
R Workshop (CSU-CCFWRU), 1 day	2015
<ul> <li>Building Capacity in Bayesian Modeling for Ecologists (NSF), 10 days</li> </ul>	2015
<ul> <li>Parallel Computing for Ecologists and Evol. Biologists (CSU-CU), 1 day</li> </ul>	2015
<ul> <li>Building Capacity in Bayesian Modeling for Ecologists (NSF), 10 days</li> </ul>	2014
R Workshop (CSU-CCFWRU), 1 day	2013
<ul> <li>Building Capacity in Bayesian Modeling for Ecologists (NSF), 10 days</li> </ul>	2013
<ul> <li>Spatial Statistics using R Workshop (TWS), 1 day</li> </ul>	2012
R Workshop for Fisheries Biologists (AFS-Western), 1 day	2012
<ul> <li>Bayesian Models for Ecologists (USU - UCFWRU), 5 days</li> </ul>	2012
R Short Course (CSU-CCFWRU), 1 day	2011
<ul> <li>Bayesian Methods for Landscape Ecologists (US-IALE), 1 day</li> </ul>	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), <b>Advisor.</b>	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), <b>Advisor.</b> Ephraim M. Hanks (USU, MS-Statistics), <b>Advisor.</b>	2011
•		2010
•	Amanda R. Cangelosi (USU, MS-Statistics), <b>Advisor.</b> Darl D. Flake (USU, MS-Statistics), <b>Advisor.</b>	
	· · · · · · · · · · · · · · · · · · ·	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
•	Xiao Xiao (USU, PhD-Biology), Com. Member.	2014
•	Ann Raiho (CSU, MS-Ecology), Com. Member.	2014
•	Eric Gardunio (CSU, MS-FWCB), Com. Member.	2014
•	Glenda Yenni (USU, PhD-Biology), Com. Member.	2013
•	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.	2012
•	Andrew Rayburn (USU, PhD-Wildland Resources), Com. Member.	2011
•	John Lowry (USU, PhD-Wildland Resources), Com. Member.	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.	2008
•	Randy Larsen (USU, PhD-Wildland 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