

Grants awarded

- Grants awarded: \$5,154,105 lifetime.

EVALUATION OF EXPERIMENTAL DUCK HUNTING REGULATIONS TO INCREASE WATERFOWL HUNTER PARTICIPATION C. J. Chizinski , M.P. Vrtiska; Nebraska Game and Parks Commission; \$185,492 [CC 50%, MV 50%];	2024
HUMAN DIMENSIONS OF WILDLIFE SURVEY ANALYSIS (3) C. J. Chizinski ; Nebraska Game and Parks Commission; \$264,084 [CC 100%];	2023
ANALYSIS OF HUMAN DIMENSIONS ASPECT OF BIRD HUNTING IN SASKATCHEWAN C. J. Chizinski ; Saskatchewan Water Security Agency; \$21,739 [CC 100%];	2023
ASSESSMENT OF ANGLER SATISFACTION IN THE MAINSTEM MISSOURI RIVER, NEBRASKA: EMPHASIS ON PADDLEFISH FISHERY BELOW GAVIN'S POINT DAM K. L. Pope, C. J. Chizinski , J. Spurgeon; Nebraska Game and Parks Commission; \$116,118 [KP 50%, CC 25%, JS 25%];	2022
MOTIVATIONS, PREFERENCES, ATTITUDES, AND EXPENDITURES OF KANSAS ANGLERS C. J. Chizinski ; Kansas Department of Wildlife, Parks, and Tourism; \$375,504 [CC 100%];	2021
STREAMNET: BUILDING CAPACITY TO IMPROVE WATER QUALITY J. R. Corman, C. J. Chizinski , S. Thomas; Nebraska Environmental Trust; \$307,730 [JC 40%, CC 30%, ST 30%];	2020
NEBRASKA FARMERS AND FARMLAND OWNERS' ATTITUDES OF TARGETED CONSERVATION A. R. Little, Y. Qi, C. J. Chizinski ; Nebraska Environmental Trust; \$104,971 [AL 40%, YQ 30%, CC 30%];	2020
HUMAN DIMENSIONS OF WILDLIFE SURVEY ANALYSIS (II; ADDITIONAL FUNDING) C. J. Chizinski ; Nebraska Game and Parks Commission; \$35,000 [CC 100%];	2020
EXPLORING LINKS BETWEEN HUNTING AND CONSERVATION ORGANIZATION PARTICIPATION TO INCREASE EFFECTIVENESS OF R3 PROGRAMS C. J. Chizinski ; Nebraska Game and Parks Commission; \$315,809 [CC 100%];	2020
HUMAN DIMENSIONS OF WILDLIFE SURVEY ANALYSIS (2) C. J. Chizinski ; Nebraska Game and Parks Commission; \$281,510 [CC 100%];	2020
ASSESSMENT OF ANGLER USE AND CATCH DURING 2020 AT SUTHERLAND RESERVOIR, NEBRASKA K. L. Pope, M. A. Kaemingk, C. J. Chizinski ; NE Public Power District; \$54,723 [KP 40%, MK 30%, CC 30%];	2020

Student mentorship and advising

Postdoc and graduate student advising

LOGAN WALTERS

2025–expected 2030

M.S.; Assessment of willingness to harvest largemouth bass in urban waterbodies; School of Natural Resources, University of Nebraska-Lincoln;

ISRAT ZARIN

2025–expected 2030

Ph.D.; Using anonymized location data to assess recreational fishing in Nebraska; School of Natural Resources, University of Nebraska-Lincoln; Co-advised with Dr. Lisong (CSD);

AUSTIN STAFFORD

2024–expected 2027

M.S.; Assessment of recreational fishing guide services in Nebraska; School of Natural Resources, University of Nebraska-Lincoln;

MADELINE VASQUEZ

2024–expected 2026

M.S.; Evaluation of the experimental two-tier waterfowl hunting regulations in South Dakota and Nebraska (i); School of Natural Resources, University of Nebraska-Lincoln;

AVA BRITTON

2024–expected 2026

M.S.; Evaluation of the experimental two-tier waterfowl hunting regulations in South Dakota and Nebraska (ii); School of Natural Resources, University of Nebraska-Lincoln;

SARAH ULRICHSEN

2022–expected 2026

Ph.D.; Economic and social valuation of recreational fishing along an urban-rural gradient; School of Natural Resources, University of Nebraska-Lincoln;

KATHERINE GRAHAM

2021–expected 2026

Ph.D.; Exploring wildlife conservation organization participation to increase wildlife conservation revenue and support; School of Natural Resources, University of Nebraska-Lincoln;

ISRAT JAHAN

2020–2025

Ph.D.; Freshwater fish gut microbiome: stress mediation of host; School of Natural Resources, University of Nebraska-Lincoln; Co-advised with Dr. Mark Pegg;

CORRIN WINTER

2020–2023

M.S.; Understanding the factors affecting Nebraskan farmers' and landowners' decision to adopt precision agricultural technologies and programs; School of Natural Resources, University of Nebraska-Lincoln; Co-advised with Dr. Andy Little;

DANIEL MORALES

2020–2023

M.S.; The perception of natural resource management in Nebraska: efforts for cross-boundary collaborative management; School of Natural Resources, University of Nebraska-Lincoln; Co-advised with Dr. Craig Allen;

MORGAN REGISTER

2020–2022

M.S.; Understanding conservation specialists' role in the adoption of precision of agriculture in Nebraska; School of Natural Resources, University of Nebraska-Lincoln; Co-advised with Dr. Andy Little;

Graduate student committee service**KYLE DOUGHERTY**

2024

Ph.D.; Mountain lion distribution in California; School of Natural Resources, University of Nebraska;

FAN YANG

2023

M.S.; Microbial difference and diet influence on altered and unaltered digestive tract; Food Science and Technology, University of Nebraska-Lincoln;

KYLE HANSEN

2023

M.S.; Understanding avidities of recreational activities for people possessing fishing licenses and residing in urban environments; School of Natural Resources, University of Nebraska;

CAROLINE LAPLANTE

2023

M.S.; The influence of invasive species on fishers' satisfactions; School of Natural Resources, University of Nebraska;

ANNI POETZL

2022

M.S.; The North Platte river valley: the intersectionality between water quality and people; School of Natural Resources, University of Nebraska;

BRANDON BARLOW

2022

M.S.; Demographic groups differ in urban recreational behavior; School of Natural Resources, University of Nebraska;

QUINTIN DEAN

2020

M.S.; Population characteristics and movement of blue catfish in the Kansas river; School of Natural Resources, University of Nebraska;

JACOB WERNER

2020

M.S.; Population demographics, distribution, and environmental history of asian carp in a great plains river; School of Natural Resources, University of Nebraska;

ALEX ENGEL

2020

M.S.; In hot water: influence of multiple stressors on thermal tolerance of fathead minnows pimephales promelas; School of Natural Resources, University of Nebraska;

Undergraduate student mentorship**KIANNA HRABEN**

2022

[Cabela's Apprenticeship mentor];

LAUREL NELSON

2022

[Cabela's Apprenticeship mentor];

JACEY SKODA

2022

[Honor's Thesis Advisor];

BEN BRESKE

2022

[Senior Thesis Advisor];

KELLY HUDDLESTON

2020

[Thesis Reader];

MANDY KOEHLER

2020

[Thesis Reader];

Publications**Metrics**

- Peer-reviewed publications: 82 lifetime.
- Citation history: 1,825 lifetime citations.
- $\mathcal{H}$ H-index: 25 and 53 i-10 index.

Peer-reviewed manuscripts

Gruntorad, M P; Lusk, J J; Chizinski, C J. "Annual variation in attribute importance to upland game hunter satisfaction in Nebraska". In: *The Journal of Wildlife Management* 89.1 (2025).

Gruntorad, M P; Vrtiska, M P; Chizinski, C J. *Mentorship of waterfowl hunters in the Central Flyway*. Tech. rep. Journal of Fish and Wildlife Management, 2025.

Von Furstenberg, R. "Environmental identities of college students reveal potential conflicts and common ground for wildlife conservation". In: *Biological Conservation* 312 (2025).

Graham, K A. *Exploring recruitment, retention, and license purchase probability of waterfowl hunters using a mark-recapture approach*. 2024.

Graham, K A. "Exploring the population dynamics of waterfowl hunters using a mark-recapture approach". In: *The Journal of Wildlife Management* 88.3 (2024).

Gruntorad, M P; Vrtiska, M P; Chizinski, C J. *Behaviour and attitudes of non-resident waterfowl hunters in Saskatchewan*. 2024.

Gruntorad, M P. "Duck hunters and difficulty complying with harvest regulations". In: *Wildlife Society Bulletin* 48.1 (2024).

Gruntorad, M P. "Duck identification and regulation preferences among waterfowl hunters: a pre-assessment of the Tier II bag limit". In: *Human Dimensions of Wildlife* 29.3 (2024), pp. 259–268.

Gruntorad, M P. "Taking matters into their own hands: effects of effort and success on duck hunter satisfaction". In: *Human Dimensions of Wildlife* 29.6 (2024), pp. 628–639.

Schuster, G. "Assessing a Website's Ability to Provide Human–Wildlife Conflict Information: A Case Example from Nebraska". In: *Great Plains Research* 34.2 (2024), pp. 85–100.

Hinrichs, M P. "An examination of scenarios to increase waterfowl hunting participation". In: *Wildlife Society Bulletin* 47.4 (2023).

- Hinrichs, M P. "Strangers in the blind: Identifying appropriate mentees and mentors for waterfowl hunter recruitment". In: *Journal of Fish and Wildlife Management* (2023), <https://doi.org/10.3996/JFWM-23-012>.
- Kane, D S. "Waterbody size predicts bank-and boat-angler efforts". In: *Fisheries Research* 267 (2023).
- Melstrom, R T. "Valuing angling on reservoirs using benefit transfer". In: *North American Journal of Fisheries Management* 43.2 (2023), pp. 400–416.
- Chizinski, C J. "The influence of the COVID-19 pandemic on spring turkey hunting". In: *The Journal of Wildlife Management* 86.3 (2022).
- Darugna, O A. "Heterogeneity of recreationists in a park and protected area". In: *Plos one* 17.5 (2022).
- Darugna, O A. "Visualizing social-ecological intensities for management of recreation visitors in a multiuse system". In: *Journal of Environmental Management* 304 (2022).
- Gruntorad, M P; Chizinski, C J. "Perceived and experienced constraint negotiation: do first-time elk hunters know what they are in for?" In: *Wildlife Society Bulletin* 46.4 (2022).
- Kaemingk, M A. "Matching of resource use and investment according to waterbody size in recreational fisheries". In: *Fisheries Research* 254 (2022).
- Kane, D S. "Natural resource system size can be used for managing recreational use". In: *Ecological Indicators* 145 (2022).
- Wszola, L S. "Fishing regulations, sexual dimorphism, and the life history of harvest". In: *Canadian Journal of Fisheries and Aquatic Sciences* 79.9 (2022), pp. 1435–1446.
- Gruntorad, M P. "Is hay for the birds? Investigating landowner willingness to time hay harvests for grassland bird conservation". In: *Animals* 11.4 (2021).
- Hinrichs, M P. "Constraints to waterfowl hunting by hunters and anglers in the central United States". In: *Wildlife Society Bulletin* 45.4 (2021), pp. 638–646.
- Hinrichs, M P. "Motivations to participate in hunting and angling: a comparison among preferred activities and state of residence". In: *Human Dimensions of Wildlife* 26.6 (2021), pp. 576–595.
- Kaemingk, M A. "Temporal invariance of social-ecological catchments". In: *Ecological Applications* 31.2 (2021).
- Larson, L R. "The future of wildlife conservation funding: What options do US college students support?" In: *Conservation Science and Practice* 3.10 (2021).
- Vayer, V R. "Diverse university students across the United States reveal promising pathways to hunter recruitment and retention". In: *The Journal of Wildlife Management* 85.5 (2021), pp. 1017–1030.
- Gruntorad, M P; Chizinski, C J. "Constraints to hunting and harvesting elk in a landscape dominated by private land". In: *Wildlife Biology* 2020.1 (2020), pp. 1–9.
- Gruntorad, M P. "Identifying factors influencing hunter satisfaction across hunting activities in Nebraska". In: *Human Dimensions of Wildlife* 25.3 (2020), pp. 215–231.
- Hinrichs, M P. "Understanding sportsperson retention and reactivation through license purchasing behavior". In: *Wildlife Society Bulletin* 44.2 (2020), pp. 383–390.
- Kaemingk, M A. "Harvest–release decisions in recreational fisheries". In: *Canadian Journal of Fisheries and Aquatic Sciences* 77.1 (2020), pp. 194–201.
- Kane, D S. "Spatial and temporal behavioral differences between angler-access types". In: *Fisheries Research* 224 (2020).
- Price, N B. "An open-sourced, web-based application to improve our ability to understand hunter and angler purchasing behavior from license data". In: *Plos one* 15.10 (2020).
- Wszola, L S. "Public access for pheasant hunters: understanding an emerging need". In: *The Journal of Wildlife Management* 84.1 (2020), pp. 45–55.
- Wszola, L S. "Use and expenditures on public access hunting lands". In: *Journal of Outdoor Recreation and Tourism* 29 (2020).

Books and book chapters

- Christopher J Chizinski and Kenneth A Wallen, eds. *Human Dimensions of Fish and Wildlife*, 3rd edition. Forthcoming. Baltimore, MD: John Hopkins University Press, 2024.
- Pope, Kevin L. "Creel Surveys". In: *Analysis and Interpretation of Freshwater Fisheries Data*, 2nd edition. Ed. by Christopher S Guy, Brian Irwin, and Travis Brenden. Forthcoming. Bethesda, MD: American Fisheries Society, 2024, pp. XX–XX.
- Graham, Katherine A. "Marketing and Ecological Models to Predict Permit Purchasing Behavior of Sportspeople". In: *Harvest of Fish and Wildlife: New Paradigms for Sustainable Management*. Ed. by Kevin L Pope and Larkin A Powell. Boca Raton, FL: CRC Press, 2021, pp. 87–97.

- Gruntorad, Matthew P; Chizinski, Christopher J. "Hunter and Angler Behavior in Harvest Management". In: *Harvest of Fish and Wildlife: New Paradigms for Sustainable Management*. Ed. by Kevin L Pope and Larkin A Powell. Boca Raton, FL: CRC Press, 2021, pp. 55–68.
- Stuber, Erica F; Chizinski, Christopher J; Lusk, Jeffrey J. "Multivariate models and analyses". In: *Quantitative analyses in wildlife science*. Ed. by Andrew N. Tri, Bruce G. Marcot, and Leonard A. Brennan. Baltimore, MD: John Hopkins University Press, 2019, pp. 32–62.

Presentations

Metrics

- Presentations: 144 lifetime.

Invited presentations

- Graham, K.A. "Empowering Women's Participation in Hunting and Conservation: Current Trends and Knowledge Gaps [Plenary talk]". In: 9th North American Duck Symposium, Portland, OR. 2024.
- Chizinski, C J; Gruntorad, M P. "Who's hunting turkeys in Nebraska? A walk through the numbers". In: Midwest and Southeast Deer and Wild Turkey Meeting, Junction City, KS. 2022.

Contributed presentations

- Britton, A. "Exploring Attitude Levels of Tier II Duck Hunters: The Role of Hunting Partners". In: Nebraska Chapter of The Wildlife Society Annual Meeting, Kearney, NE. 2025.
- Britton, A. "Two Tier Duck Hunting Regulations: Impacts on Hunter Participation and R3 in Nebraska and South Dakota". In: Pathways Human Dimensions Conference, Estes Park, CO. 2025.
- Britton, A. "Two Tier Duck Hunting Regulations: Nebraska and South Dakota". In: Council to Advance Hunting and Shooting Sports R3 Conference, Portland, ME. 2025.
- Britton, A. "Two Tier Duck Hunting Regulations: Nebraska and South Dakota". In: Winous Point Waterfowl Graduate Research Symposium, Port Clinton, OH. 2025.
- Britton, A. "Two Tier Update". In: NAWMP Human Dimensions and Public Engagement Team Meeting, Little Rock, AR. 2025.
- Hagen, N. "Producer's Views on Conservation Programs in the Rainwater Basin Region of Nebraska". In: Midwest Fish and Wildlife Conference, St. Louis, MO. 2025.
- Stafford, A J; Chizinski, C J. "Trends Among Short-term Fishing License Purchasers in Nebraska". In: Pathways Human Dimensions Conference, Estes Park, CO. 2025.
- Stafford, A J; Chizinski, C J. "Using Fishing Permit Options to Examine Angler Characteristics". In: The American Fisheries Society Annual Meeting, San Antonio, TX. 2025.
- Stafford, A J; Chizinski, C J; Walters, L S. "Identifying Trends Among Short-Term Fishing License Purchasers in Nebraska". In: The Nebraska Chapter of the American Fisheries Society Annual Meeting, Aurora, NE. 2025.
- Ulrichsen, S E; Chizinski, C J. "Angler Motivational Factors and the Role of Species Preference in Kansas". In: The Nebraska Chapter of the American Fisheries Society, Aurora, NE. 2025.
- Ulrichsen, S E; Chizinski, C J. "Species Preferences on Angler Motivational Factors in Kansas". In: Kansas Natural Resource Conference, Manhattan, KS. 2025.
- Ulrichsen, S E; Chizinski, C J. "Species Preferences on Angler Motivational Factors in Kansas". In: Midwest Fish and Wildlife Conference, St. Louis, MO. 2025.
- Ulrichsen, S E; Melstrom, R T; Chizinski, C J. "Economic Valuation of Angling in Kansas: A Discrete Hypothetical Choice Experiment". In: National American Fisheries Society Conference, San Antonio, TX. 2025.
- Ulrichsen, S E; Melstrom, R T; Chizinski, C J. "Reel Economics: A Stated-Preference Study of Angling". In: Pathways Human Dimensions Conference, Estes Park, CO. 2025.
- Vasquez, M. "Exploring the impact of first-time hunters on satisfaction with Tier II duck hunting regulations". In: Nebraska Chapter of The Wildlife Society Meeting, Kearney, NE. 2025.
- Vasquez, M. "Learning to hunt: Exploring the educational role of Tier II duck hunting regulations". In: Pathways Conference, Estes Park, CO. 2025.
- Vasquez, M. "Tier II update". In: NAWAMP Human Dimensions Public Engagement Committee, Little Rock, AR. 2025.

- Walters, L S; Chizinski, C J; Stafford, A J. "Evaluating the Impact of Forward-Facing Sonar on Angling Success in Nebraska". In: The Nebraska Chapter of the American Fisheries Society, Aurora, NE. 2025.
- Walters, L S; Chizinski, C J; Stafford, A J. "Evaluating the Impact of Forward-Facing Sonar on Angling Success in Nebraska". In: Pathways: Human Dimensions of Wildlife, Estes Park, CO. 2025.
- Walters, L S; Chizinski, C J; Stafford, A J. "Nocturnal Creel Survey of the Walleye Spawn at Lake McConaughy Dam". In: American Fisheries Society Annual Conference, San Antonio, TX. 2025.
- Chizinski, C J. "Temporal Relationships Between the Migratory Bird Hunting and Conservation Stamp and the Duck Breeding Population: An Update of Vrtiska Et Al. (2013)". In: 9th North American Duck Symposium, Portland, OR. 2024.
- Gruntorad, M P; Chizinski, C J; Vrtiska, M P. "Implications of Hunting Outfitters in Saskatchewan". In: 9th North American Duck Symposium, Portland, OR. 2024.
- McKinney, J. "Tier II Duck Hunting Regulations in Nebraska and South Dakota". In: 9th North American Duck Symposium, Portland, OR. 2024.
- Graham, K A; Hyberger, K; Chizinski, C J. "Qualitative methods for natural resource management". In: Midwest Fish and Wildlife Conference, Overland Park, KS. 2023.
- Gruntorad, M P; Graham, K A; Ulrichsen, S. "Using computational approaches to better understand human behaviors in the natural resources". In: Midwest Fish and Wildlife Conference, Overland Park, KS. 2023.
- Gruntorad, M P; Lusk, J J; Chizinski, C J. "Factor influence on satisfaction with upland-game hunting in Nebraska". In: The Wildlife Society Nebraska Chapter Annual Meeting, Kearney, NE. 2023.
- Chizinski, C J; Gruntorad, M P. "Cessation of mentors to waterfowl hunting". In: Midwest Fish and Wildlife Conference, Overland Park, KS. 2022.
- Chizinski, C J; Gruntorad, M P; Hurley, K L. "Fishing and hunting through the pandemic in Nebraska". In: Midwest Fish and Wildlife Conference, Overland Park, KS. 2022.
- Chizinski, C J. "Using a decision tree approach to assess satisfaction attributes of waterfowl hunters in the United States." In: Annual Meeting of the Wildlife Society, Spokane, WA. 2022.
- Graham, K A. "Measuring the association between social capital and landowner surface-water conservation behavior adoption". In: Pathways Human Dimensions Conference, Bremerton, WA. 2022.
- Graham, K A. "Measuring the association between social capital and landowner surface-water conservation behavior adoption". In: Annual Meeting of the Wildlife Society, Spokane, WA. 2022.
- Gruntorad, M P. "Attitudes about the two-tier duck regulations by current Nebraska and South Dakota hunters." In: Nebraska Chapter of The Wildlife Society, Kearney, NE. 2021.
- Jahan, I; Chizinski, C J; Poletto, J. "Physiological response of fish exposed to acute thermal stresses." In: Annual Meeting of the American Fisheries Society, Baltimore, MD. 2021.
- Chizinski, C J. "Development and application of an open-sourced dashboard to improve our understanding of wildlife recreationist". In: Midwest Fish and Wildlife Conference, Des Moines, IA. 2020.
- Graham, K A. "Constraints to Female Anglers Participating in Hunting in Nebraska". In: Midwest Fish and Wildlife Conference, Des Moines, IA. 2020.
- Gruntorad, M P; Vrtiska, M P; Chizinski, C J. "Role of public land access in the Central Flyway". In: Midwest Fish and Wildlife Conference, Des Moines, IA. 2020.
- Harvey, J G. "Gaining a better understanding of Nebraska's fur trappers". In: Midwest Fish and Wildlife Conference, Des Moines, IA. 2020.
- McFarlin, I I; Chizinski, C J. "Foraging for wild edibles in the upper Great Plains: A policy brief". In: Midwest Fish and Wildlife Conference, Des Moines, IA. 2020.

Honors and awards

Sustained Excellence in Teaching and Learning

2024

University of Nebraska-Lincoln;

Teaching

Regularly taught courses

Human Dimensions of Fisheries and Wildlife Management (NRES 315)

Fall semesters

Last year taught: 2023; Enrollment last taught: 73; Description: This undergraduate course is designed to introduce students with the basic concepts and ideas relevant in human dimension of natural resource management. This course is divided into three sections. The first section focuses on the foundation of human dimensions by introducing the student to the theories that underlie the field. The second section focuses on the methodological approaches in human dimensions research including survey design and analysis. The third section will focus on applications of human dimensions research into consumptive and non-consumptive aspects of fish and wildlife management, with attention to how the field continues to develop.;

Natural Resource Policy (NRES 323)

Spring semesters

Last year taught: 2024; Enrollment last taught: 67; Description: This course is designed for undergraduate students in a variety of majors, including natural resources, natural resource and environmental economics, and environmental studies. Students from other disciplines who have an interest in environmental and natural resource policy are also encouraged to take this course. As the human population, resource consumption, and land use pressure increase, the policies for management and protection become more important and more challenging. This course will introduce students to the political processes, participants, and programs involved in formulating natural resource policy in the United States.;

Data-Driven Science: Computing and Visualization for the Natural Sciences (NRES 498)

Spring semesters

Last year taught: 2025; Enrollment last taught: 5; Description: NA;

Sampling, Data Management and Visualization (NRES 800)

Fall semesters

Last year taught: 2023; Enrollment last taught: 20; Description: This graduate course is designed to introduce students to implement best practices for scientific computing. Practice with a scientific workflow from the design of the sampling scheme, through generation of the data in the field or lab, up to the point of analysis. Understand cognitive constraints on visualization. Use modern software tools to analyze and produce publication quality data visualizations.;

Computational Human Dimensions (NRES 898)

Spring semesters

Last year taught: 2024; Enrollment last taught: 7; Description: Computational Social Science (CSS) is an interdisciplinary field that combines techniques from computer science, social science, and statistics to analyze social phenomena using large-scale data. Computational Human Dimensions uses processes and techniques in CSS to analyze human behavior in an environmental and conservation context. This course introduces students to the fundamental concepts, methods, and tools in computational social science. Students will gain hands-on experience in collecting, cleaning, analyzing, and visualizing social data, and will learn how to apply computational techniques to address social science research questions. The course will cover various topics such as social network analysis, text mining, machine learning, and simulation modeling;

Special Topics: How Did They Do That? A Graduate Seminar In Data Analytics Using R (NRES 898)

Spring semesters

Last year taught: 2023; Enrollment last taught: 7; Description: This course will provide students with the skills to understand and adapt analytic techniques presented in peer-reviewed literature to their research. The course will focus on use of the R statistical language in applications relevant to ecology, biology, fisheries and wildlife, grasslands, forests, aquatic habitats, and human dimensions of natural resources. The topics covered are student driven. Emphasis will be placed on developing conceptual and practical understanding of how to apply statistical techniques with real-world data, checking assumptions, exploratory data analysis, presentation of results, and developing sound coding skills. A working knowledge (e.g., ability to read data in to R, data manipulation, graphing) of R is required.;

Other courses taught

- Applied Multivariate Analysis using R (NRES 898)
- Ecological Detective: Confronting Models with Data (NRES 898)
- Experimental Design and Analysis (NRES 898)
- Fisheries Science (NRES 463/898)
- Ecological Theory (NRES 898)
- Introduction to Agriculture and Natural Resources (NRES/AGRI 103)
- Introduction to Freshwater Ecology (RWFM 2305)

Workshops and short courses

Human Dimensions 101: An Introduction To Conservation Social Science For Wildlife Biologists [Organizer and instructor]. The Wildlife Society Annual Meeting. Louisville, KY.

6 Nov 2023

co-organizer with C. Hartel, E.M. Walberg, A. Warwick, K. Jewell, and L. Mengak;

Human Dimensions 101: An Introduction To Conservation Social Science For Wildlife Biologists [Organizer and instructor]. The Wildlife Society Annual Meeting. Virtual.

1 Nov 2021

co-organizer L. Mengak. H. Netherton, T.R. Stinchomb, E.M. Walberg, K. Jewell, R. Furone, E. Pomeranz, A. Warwick, M. Quartuch, A. Gramza, and L. Larson;

Motorboat Operators Certification Course (Mocc) [Instructor]. Alternating locations

2011-current

This 24-hr course, required by federal employees and those supervised by those employees, reviews minimum requirements for safe operation of motorboats and includes a review of legal requirements, preparations, navigation, operations, emergency procedures, rescue, self-rescue, trailering, fire suppression, and basic seamanship. The course includes both classroom and on-the-water instruction.;

Creel Surveys: Designing Complex Solutions To Simple Questions [Organizer and instructor]. 2020 Southern Division of the American Fisheries Society and Catfish 2020 . Little Rock, AR

20 Feb 2023

co-organizer with K. L. Hurley, K. L. Pope, and M. A. Kaemingk;

Service

Review and editorial service

Human Dimensions of Wildlife

ASSOCIATE EDITOR

2023-current

The Wildlife Professional

EDITORIAL ADVISORY BOARD

2020-2022

North American Journal of Fisheries Management

ASSOCIATE EDITOR

2015-2021

Journal Reviewer

• Biological Invasions • Canadian Journal of Fisheries and Aquatic Sciences • Ecological Applications • Ecological Economics • Ecology of Freshwater Fish • Environmental Challenges • Fisheries Research • Fishery Bulletin • Forest Ecology and Management • Human Dimensions of Wildlife • Hydrobiologia • Ichthyological Research • Journal of Field Ornithology • Journal of Outdoor Recreation and Tourism • Journal of Wildlife Management • Marine and Coastal Fisheries • Marine Environmental Research • North American Journal of Fisheries Management • Oecologia • Oikos • Proceedings of the Southeastern Association of Fish and Game Agencies • Society and Natural Resources • Transactions of the American Fisheries Society • Wildlife Society Bulletin •

External reviewer

Illinois Natural History Survey

FACULTY PROMOTION REVIEW

2020

Mitacs [Canada]

RESEARCH PROPOSAL REVIEW

2020

University service

Graduate Committee, School of Natural Resources

CHAIR

2023–current

School of Natural Resources

FWL UNDERGRADUATE COORDINATOR

2019–2026

CASNR TLIC

MEMBER

2022–2025

Faculty Senate

MEMBER

2022–2024

President’s Sustainability Council

MEMBER

2022–2023

School of Natural Resources

FACULTY LEAD

2019–2023

Center for Great Plains Studies

BOARD OF GOVERNORS

2018–2021

Center for Great Plains Studies

SEARCH COMMITTEE FOR DIRECTOR

2020

Fall Seminar Committee, School of Natural Resources

CHAIR

2018–2020