

CURRICULUM VITAE

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EDUCATION

- | | |
|---|------|
| Ph.D. Criminology & Criminal Justice, University of South Carolina
Dissertation: <i>The Spatial Variability of Crime: A Review of Methodological Choice, Proposed Models, and Methods for Illustrating the Phenomenon</i> | 2022 |
| M.A. Criminal Justice, Radford University | 2018 |
| B.S. Forest Resources & Environmental Conservation, Virginia Tech | 2014 |

ACADEMIC POSITIONS

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| Assistant Professor, Georgia Southern University
Department of Criminal Justice and Criminology | 2024 - |
| Assistant Professor, South Dakota State University,
School of Psychology, Sociology and Rural Studies | 2022 - 2024 |
| - Faculty Affiliate, Department of Natural Resource Management | 2023 - 2024 |
| <i>Research Affiliations</i> | |
| Institute for Water and Health, Georgia Southern University | 2024 - |
| South Dakota Governor's Center on the Illicit Economy | 2023 - 2024 |

RESEARCH INTERESTS

Quantitative & Spatial Methods | Wildlife Crime | Mapping | Crime Prevention | Policing

PUBLICATIONS

Journal Articles

- Spencer, M. D.**, & Schnell, C. (2025). Risky Facilities, Physical Site-Features, and Comparing Crime Between Urban Parks. *Security Journal*.
<https://doi.org/10.1057/s41284-024-00453-1>
- Singh, A. M., Pires, S. F., & **Spencer, M. D.** (2024). Using a spatial access measure to assess the relationship between alcohol outlet types and various violent crimes in the Bronx, NY. *Applied Spatial Analysis and Policy*. <https://doi.org/10.1007/s12061-024-09589-4>
- Petrosian, G. A., Pires, S. F., **Spencer, M. D.**, & Cohen, N. (2024). An empirical assessment of seaports as facilitators of FOC-flagged transshipment landings. *Crime Science*, 13, 10. <https://doi.org/10.1186/s40163-024-00210-0>
- Schnell, C., DeWitt, S., & **Spencer, M. D.** (2022). The role of neighborhoods in the age of crime hot spots: A multi-level theory of the spatial distribution of robbery in Chicago. *Crime & Delinquency*. <https://doi.org/10.1177/00111287221140836>
- Spencer, M. D.**, & Schnell, C. (2022). Reinvestigating the relationship between cities and the spatial distribution of robbery: A tale of eight cities. *Journal of Criminal Justice*, 82, 102003. <https://doi.org/10.1016/j.jcrimjus.2022.102003>
- Schnell, C., **Spencer, M. D.**, Mancik, A., Porter, L., Ready, J., & Alpert, G. (2022). Expanding research on investigations of officer-involved shootings: An experimental evaluation of question timing on police officer's memory recall. *Criminal Justice and Behavior*, 49, 1031-1049. <https://doi.org/10.1177/00938548211035824>
- Spencer, M. D.**, Green, E. K., & Bolin, R. M. (2021). Exploring the relationship between fishing regulations and angler compliance in Virginia. *American Journal of Criminal Justice*, 46, 815-836. <https://doi.org/10.1007/s12103-020-09576-8>

Books Chapters, Technical Reports, & Other

- Schnell, C., & **Spencer, M. D.** (In Press). Micro-places, multi-level frameworks, and modeling the spatial granularity of crime. In R. Wickes & D. Oberwittler (Eds.), *The handbook on cities and crime*. Edward Elgar Publishing.
- Spencer, M. D.** (2020). *The problem of wildlife poaching on U.S. federal lands*. A Problem-Solving Guide: Wilderness Problems, Guide No. 1. Center for Problem-Oriented Policing, Arizona State University.

Manuscripts Under Review

Spencer, M. D., & Christiansen, E., & Mancik, A. (Under Review). A systematic review aided by machine learning to understand how we measure the spatial variability of crime.

Boehme, H. M., Klein, B. R., **Spencer, M. D.,** Jones, A., McMains-Nurisio, M., Morgan, K., & Trowbridge, J. (R&R). Social determinants of health, distance to trauma hospitals, racial composition, and firearm violence in South Carolina.

Markel, P. D., **Spencer, M. D.,** & Arends, R. (Under Review) “Towards 22nd century integrated socio-environmental modeling: Forecasting human behavior with earth system prediction.”

Pires, S. F., **Spencer, M. D.,** Petrossian, G., Christiansen, E., & Gondhali, U. (Under Review) “A comparative modeling study of data on unseen fishing vessels off the coast of West Africa.”

Spencer, M. D., Schnell, C., & DeWitt, S. (Under Review) “The disruptive impact of public transportation expansion on crime trends: A time series analysis of light rail train stations in Charlotte, NC.”

Cohen, N., & **Spencer, M. D.** (Under Review) “Evaluating security features in U.S. National Parks. A crime science perspective.”

Papers in Preparation (ordered from most to least completed)

Spencer, M. D., & Cohen, N. (In Prep.) “A problem-oriented approach of the problem of crowding at overlooks on U.S. federal lands.” Center for Problem-Oriented Policing. Status: Manuscript draft in progress.

Spencer, M. D., Wilson, A., & Bolin, R. (In Prep.) “Understanding the intersection of context and criminology in teaching and learning.” Status: Data collected. Data analysis.

Spencer, M. D., Christiansen, E., Pires, S. F., Petrossian, G., & Gondhali, U. (In Prep.) “An exploratory study on Chinese-affiliated ports around the world. Status: Literature review. Data collection.

Spencer, M. D., Posick, C., Cohen, N. (In Prep.) “Where are all of the birds going? Exploring CITES data for order Avian over the last 30 years.” Status: Data collected.

TEACHING EXPERIENCE

Undergraduate Level

Georgia Southern University

- Applied Statistics in Criminal Justice & Criminology Research (SP 2025*)
- Investigations (SU 2025*)

South Dakota State University

- Advanced Criminology - Capstone (SP 2023*, SP 2024)
- Criminal Investigations (F 2022*, SP 2023, F 2023*, SP 2024)
- Introduction to Criminal Justice (SP 2023*, SU 2023*, F 2023, SP 2024, SU 2024*)
- Policing in a Free Society (F 2022, F 2023*)

Radford University

- Research Methods (SP 2022*)

University of South Carolina

- Policing (F 2020*, SP 2021*)
- Sociology of Crime (F 2019, SP 2020, F 2021, SP 2022*)

Graduate Level

Georgia Southern University

- Criminology Seminar (SU 2025*)
- Environmental Crime & Justice (SU 2024*, SP 2025)
- Quantitative Research Design (F 2024*)
- Statistics for Social Science (F 2024)

*Denotes online or hybrid course

PRESENTATIONS

Conferences

Cohen, N., & **Spencer, M. D.** (Planned 2025). "Recreation and Disarray." Academy of Criminal Justice Sciences, Denver, CO.

Spencer, M. D., DeWitt, S., & Schnell, C. (2024). "Analyzing Crime Patterns Surrounding Light Rail Expansion in Charlotte, NC." American Society of Criminology, San Francisco, CA.

Cohen, N., & **Spencer, M. D.** (2024). "Evaluating Security Features in a U.S. National Park: A Crime Science Perspective." The International Symposium on Environmental Criminology and Crime Analysis, Yerevan, Armenia.

- Spencer, M. D.,** Wilson, A., & Bolin, R. (2024). "Understanding the Intersection of Context and Criminology in Teaching and Learning." Academy of Criminal Justice Sciences, Chicago, IL.
- Spencer, M. D.,** & Schnell, C. (2023). "Running for Fun, Not My Life! A Spatial Analysis of Crime at Public Recreation Sites." American Society of Criminology, Philadelphia, PA.
- Petrosian, G., Pires, S. F., & **Spencer, M. D.,** & Cohen, N. (2023). "An Empirical Assessment of Seaports as Facilitators of FOC-Flagged Transshipment Landings." American Society of Criminology, Philadelphia, PA.
- Spencer, M. D.** (2022). "Best Practices for Illustrating the Spatial Variability of Crime: Re-imagining the Crime Map." American Society of Criminology, Atlanta, GA.
- DeWitt, S., Schnell, C., & **Spencer, M. D.** (2022). "A Tale of Two (Way) Fixed Effects: Applying Modern Statistical Corrections to Studying the Impact of the Charlotte Light Rail Expansions." Southern Criminal Justice Association, Asheville, NC.
- Spencer, M. D.,** Mancik, A., & Lemieux, A. (2022). "A Systematic Review of the Methodological Choice of Research on the Spatial Variability of Crime." Academy of Criminal Justice Sciences, Las Vegas, NV.
- Spencer, M. D.,** & Schnell, C. (2021). "An Exploration of the Spatial Variability of Crime Within and Between Seven U.S. Cities." American Society of Criminology, Chicago, IL.
- Spencer, M. D.,** Schnell, C., & DeWitt, S. (2021). "The Disruptive Impact of Public Transportation Expansion on Crime: A Time Series Analysis of Light Rail Train Stations in Charlotte, NC." Discover UofSC, Columbia, SC.
- Spencer, M. D.,** Schnell, C., & DeWitt, S. (2020). "The Disruptive Impact of Public Transportation Expansion on Crime: A Time Series Analysis." American Society of Criminology, Washington, DC. *Accepted- Conference Cancelled due to Covid-19
- Schnell, C., **Spencer, M. D.,** Mancik, A., Porter, L., Ready, J., & Alpert, G. (2020). "Advancing Research on Memory Accuracy After Officer-Involved Shootings: An Experimental Evaluation of the Effect of Question Timing on Recall." Academy of Criminal Justice Sciences, San Antonio, TX. *Accepted- Conference Cancelled due to Covid-19
- Spencer, M. D.,** & Schnell, C. (2019). "Exploring the Hierarchical Spatial Distribution of Crime: The Concentration and Stability of Robberies at Street Segments Within and Between Chicago's Neighborhood Clusters." American Society of Criminology, San Francisco, CA.

Spencer, M. D. (2019). “Problem-Oriented Wildlife Protection: Poaching Prevention on U.S. Federal Lands.” Southeast Association of Fish & Wildlife Agencies, Hilton Head, SC.

Spencer, M. D. (2019). “Problem-Oriented Wildlife Protection: Poaching Prevention on U.S. Federal Lands.” Discover USC, Columbia, SC.

Spencer, M. D. (2018). “Exploring the Relationship Between Fishing Regulations and Angler Compliance in Virginia.” Northeast Association of Fish & Wildlife Agencies, Burlington, VT.

Invited Presentations

Spencer, M. D. (Planned 2025). “Natural Resources and Criminology: Applications and Future Research.” Warnell School of Forestry and Natural Resources, University of Georgia, Athens, GA.

Spencer, M. D. (2023). “What’s Next for Crime and Place Research?” Netherlands Institute for the Study of Crime and Law Enforcement, Amsterdam, NL.

Spencer, M. D. (2023). “Crime Prevention, Natural Resources, and the Illicit Economy.” South Dakota Governor’s Research Center, Virtual.

Spencer, M. D. (2023). “Bridging the Gap Between Criminology and Natural Resources.” Department of Natural Resource Management, South Dakota State University, Brookings, SD.

Spencer, M. D. (2022). “Machine Learning: A Tool for Systematic Reviews.” School of Psychology, Sociology and Rural Studies, South Dakota State University, Brookings, SD.

Spencer, M. D. (2021). “Graduate School and Research.” Entering Research Panel, University of South Carolina, Virtual.

Spencer, M. D. (2020). “Grading Recommendations and Best Practices.” Teaching Assistant Orientation, University of South Carolina, Columbia, SC.

Spencer, M. D. (2020). “Social Science Q&A.” Teaching Assistant Orientation, University of South Carolina, Columbia, SC.

Spencer, M. D. (2020). “Using R and RStudio for Statistical Analysis.” PowerSchool LLC, Content Department, Virtual.

Spencer, M. D. (2020). “Migrating to an Online Teaching Environment.” PowerSchool LLC, Content Department, Virtual.

Spencer, M. D. (2018). "Geographic Information Systems." PowerSchool LLC, Content Department. Roanoke, VA.

Invited Lectures

Spencer, M. D. (2020). "Descriptive Spatial Statistics." Graduate Crime and Place Course, University of South Carolina, Columbia, SC.

Spencer, M. D. (2019 - 2021). "Routine Activities Approach." Communities and Crime Course, University of South Carolina, Columbia, SC.

Spencer, M. D. (2019 - 2021). "Crime Prevention Through Environmental Design." Communities and Crime Course, University of South Carolina, Columbia, SC.

FUNDED RESEARCH

Co-I, "Socio-Environmental Systems of Rural Health," Funded by South Dakota State University, Division of Research and Economic Development, (\$15,000; July 2023 - November 2024).

PI, "Public Transportation and Crime," Funded by University of South Carolina, Office of the Vice President for Research, (\$5,000; May 2020 - July 2021).

TRAINING, CERTIFICATIONS, & AWARDS

Discover USC 2021 Graduate Student Presenter Award, University of South Carolina

Fostering Proactive Learning Environments, University of South Carolina

Preparing Future Faculty, University of South Carolina

Teaching Toward Inclusive Excellence, University of South Carolina

Post-Baccalaureate Certificate in Crime Analysis, Radford University

Minor in Forestry, Virginia Tech

SERVICE

Service to the Discipline

Panelist. (2024). "Offender Decision-Making within the Context of Environmental Crimes." American Society of Criminology, San Francisco, CA.

Journal Reviewer

Crime Science, Journal of Research in Crime and Delinquency, Victims & Offenders

Departmental Service

Georgia Southern University

- Graduate Committee Member, 2024 - 2025
- Undergraduate Committee Member, 2024 - 2025

South Dakota State University

- Criminology Club Faculty Advisor, 2023 - 2024

Student Mentorship

Georgia Southern University

- Abisoye Adeniyi (Graduate research mentor)

South Dakota State University

- Dylan Borchert (Ph.D. committee, Computational Science & Statistics, Current)
- Damilola Adereti (Ph.D. committee, Sociology, Successfully Defended 2024)
- Chloe Beavers (Undergraduate research mentor)
- Chloe Bender (Undergraduate research mentor)
- Morgan Hunt (Undergraduate research mentor)
- Margaret Schliepsiek (Karen McComish Fellowship mentor)

PROFESSIONAL MEMBERSHIPS

Academy of Criminal Justice Sciences, 2019 - Present

American Society of Criminology, 2019 - Present

Environmental Criminology and Crime Analysis, 2023 - Present

Southern Criminal Justice Association, 2020 - 2022

PROFESSIONAL POSITIONS

Forestry and GIS Technician, Eastern Forest Consultants 2015 - 2016

GIS Research Field Assistant, Virginia Tech 2015 - 2016

Conservation Land Monitor, Virginia Outdoors Foundation 2014 - 2015