

CURRICULUM VITAE

M. Dylan Spencer, Ph.D.

Phone: (912) 478-0328
mspencer@georgiasouthern.edu
mdylanspencer.com

Georgia Southern University
Carroll Building, Office 1093
Statesboro, GA 30458

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, South Dakota State University,
Department of Natural Resource Management | 2023 - 2024 |
| <i>Research Affiliations</i> | |
| South Dakota Governor's Center on the Illicit Economy | 2023 - 2024 |

RESEARCH INTERESTS

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

PUBLICATIONS

Journal Articles

Singh, A. M., Pires, S. F., & **Spencer, M. D.** (Accepted). 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*.

Petrossian, G. A., Pires, S. F., **Spencer, M. D.**, & Cohen, N. (Accepted). An empirical assessment of seaports as facilitators of FOC-flagged transshipment landings. *Crime Science*.

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.** (Forthcoming 2024). 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., & Schnell, C. (In Revision). Urban park environments, physical site-features, and crime.

Spencer, M. D. (Under Review). Best practices for illustrating the spatial variability of crime: Re-imagining the crime map.

Spencer, M. D., & 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. (Under Review). Social determinants of health, distance to trauma hospitals, racial composition, and firearm violence in South Carolina.

Papers in Preparation (ordered from most to least completed)

Spencer, M. D. (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.

Pires, S. F., **Spencer, M. D.**, Petrossian, G., Christiansen, E., & Gondhali, U. (In Prep.) “A comparative modeling study of data on unseen fishing vessels off the coast of West Africa.”
Status: Manuscript draft in progress.

Markel, P. D., **Spencer, M. D.**, & Arends, R. (In Prep.) “Towards 22nd century integrated socio-environmental modeling: Forecasting human behavior with earth system prediction.”
Status: Manuscript draft in progress.

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

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

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

Cohen, N., & **Spencer, M. D.** (In Prep.) “Evaluating security features in U.S. National Parks. A crime science perspective.”
Status: Literature review. Data collection.

TEACHING EXPERIENCE

Undergraduate Level (*denotes online or hybrid course)

South Dakota State University

- Advanced Criminology - Capstone (SP 2023*, SP 2024)

- Criminal Investigations (F 2022*, SP 2023, F 2023*, SP 2024)
- Intro. to Criminal Justice (SP 2023*, SU 2023*, F 2023, SP 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

- Environmental Crime and Justice (SU 2024*)
- Quantitative Research Design (F 2024*)
- Statistics for Social Science (F 2024)

PRESENTATIONS

Conferences

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

Cohen, N., & **Spencer, M. D.** (Planned 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 2024). “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

Journal Reviewer

Journal of Research in Crime and Delinquency, Victims & Offenders

Departmental Service

South Dakota State University Criminology Club

- Faculty Advisor, 2023 – 2024

Student Mentorship

South Dakota State University

- Dylan Borchert (Dissertation committee, Computational Science & Statistics)
- Damilola Adereti (Dissertation committee, Agricultural & Biosystems Engineering)
- Chloe Beavers (Undergraduate research advisor)
- Chloe Bender (Undergraduate research advisor)

- Morgan Hunt (Undergraduate research advisor)
- Margaret Schliepsiek (Undergraduate research advisor)

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