

Tse-Chuan Yang***Curriculum Vitae***

October, 2023

CONTACT INFORMATION

Office: 315 Arts & Sciences Building, 1400 Washington Avenue, Albany, NY 12222

Phone: (518) 442-4647

Email: tyang3@albany.edu**EDUCATION**

Ph.D. *The Pennsylvania State University, USA.*
 Demography and Rural Sociology (dual-title, minor: Statistics), 2008.
 Dissertation title: “Exploring the rural paradox: A spatial investigation of rurality and mortality.” (Chair: Leif Jensen)

M.A. *National Taiwan University, Taiwan.*
 Social Development and Policy. 2003.

B.S. *National Taiwan University, Taiwan.*
 Rural Sociology, 2001.

PROFESSIONAL POSITIONS

2017-present Associate Professor, Department of Sociology, University at Albany, State University of New York

2013-2017 Assistant Professor, Department of Sociology, University at Albany, State University of New York

2010-2013 Director of the Geographic Information Analysis (GIA) Core, Population Research Institute, Social Science Research Institute, The Pennsylvania State University

2008-2013 Research Associate in Spatial Social Sciences, Population Research Institute, Social Science Research Institute, The Pennsylvania State University

RESEARCH INTERESTS

Substantive: Medical sociology, demography of health and mortality, health disparities, health care system distrust, social and built environmental and behavioral determinants of health outcomes.

Methods: Spatial statistics (spatial econometrics and geostatistics), geographic information systems (GIS), and quantitative research methods.

PUBLICATIONS

(*indicates student when publishing the manuscript)

Refereed Journal Articles:

- In Press Tse-Chuan Yang, Seulki Kim, and Seung-won Choi, Shannon Holloway, Uchechi Mitchell, and Benjamin A. Shaw. “Neighborhood Features and Cognitive Function: Moderating Roles of Individual Socioeconomic Status” American Journal of Preventive Medicine
- In Press Tse-Chuan Yang, Seulki Kim, Stephen A. Matthews, and Carla Shoff. “Social vulnerability and the prevalence of opioid use disorder among older Medicare beneficiaries in US counties” The Journals of Gerontology: Series B
- In Press Joseph Gibbons, Joshua Chanin, and Tse-Chuan Yang. “Policing a Pandemic in New York City: How do Community Features Matter in the Location of Social Distancing Violations?” Social Problems
- In Press Bashir El-Khoury* and Tse-Chuan Yang. “Reviewing racial disparities in living donor kidney transplantation: a socioecological approach.” Journal of Racial and Ethnic Health Disparities
- 2023 Wei-Chen Lee, Sherry Lin, Tse-Chuan Yang, and Hani Serag. “Cross-sectional study of food insecurity and medical expenditures by race and ethnicity.” Ethnicity & Health 28(5): 794-808
- 2023 Tse-Chuan Yang, Seulki Kim*, and Stephen A. Matthews. “Unemployment and opioid-related mortality rates in US counties: Investigating social capital and social isolation-smoking pathways.” Social Problems 70(2): 533-553
- 2023 Benjamin A. Shaw, Tse-Chuan Yang, and Seulki Kim. “Living alone during old age and the risk of dementia: Assessing the cumulative risk of living alone.” The Journals of Gerontology: Series B 78(2): 293-301
- 2023 Tse-Chuan Yang, Carla Shoff, Benjamin A Shaw, and Kate Strully. “Neighborhood characteristics and opioid use disorder among older Medicare beneficiaries: An examination of the role of the COVID-19 pandemic.” Health & Place 79: 102941
- 2022 Vivian Yi-Ju Chen and Tse-Chuan Yang. “Spatial and Statistical Heterogeneities in Population Science Using Geographically Weighted Quantile Regression” 2022. Journal of Population Studies 65: 43-84
- 2022 Tse-Chuan Yang, Stephen A. Matthews, and Feinuo Sun. “Multiscale Dimensions of Spatial Process: COVID-19 Fully Vaccinated Rates in U.S. Counties” American Journal of Preventive Medicine 63(6): 954-961
- 2022 Tse-Chuan Yang, Carla Shoff, Seung-won Emily Choi, and Feinuo Sun. “Multiscale Dimensions of County-level Disparities in Opioid Use Disorder Rates among Older Medicare beneficiaries” Frontiers in Public Health 10: 993507.

- 2022 Han Liu* and Tse-Chuan Yang. “Examining the Reciprocity Between Perceived Discrimination and Health: A Longitudinal Perspective” Population Research and Policy Review 41(4):1757-1777
- 2022 Lei Lei and Tse-Chuan Yang. “Determinants and Health Implications of Individuals’ Activity Space Experiences.” Population, Space and Place 28(5): e2541
- 2022 Vivian Yi-Ju Chen, Tse-Chuan Yang, and Hong-Lian Jian*. “Geographically weighted regression modeling for multiple outcomes” Annals of the American Association of Geographers 112(5): 1278-1295
- 2022 Joseph Gibbons, Tse-Chuan Yang, and Eyal Oren. “Community Boots Immunity? Exploring the Relationship between Social Capital and COVID-19 Social Distancing.” Spatial Demography 10(1): 75-105
- 2022 Tse-Chuan Yang. “Residential Segregation and Cities’ Responses to the Early COVID-19 Pandemic: Preexisting Structural Factors and Healthcare Access” American Journal of Public Health 112(3): 369-371
- 2022 Yi-Ju Vivian Chen, Kiwoong Park, Feinuo Sun, Tse-Chuan Yang. “Assessing COVID-19 risk with temporal indices and geographically weighted ordinal logistic regression in US counties.” PLOS ONE 17(4): e0265673.
- 2022 Tse-Chuan Yang, Carla Shoff, Seulki Kim*, and Benjamin A Shaw. “County social isolation and opioid use disorder among older adults: A longitudinal analysis of Medicare data, 2013–2018” Social Science & Medicine 301: 114971
- 2022 Aggie J. Yellow Horse, Tse-Chuan Yang, and Kimberly R. Huyser. “Structural inequalities established the architecture for COVID-19 pandemic among Native Americans in Arizona: A Geographically Weighted Regression Perspective” Journal of Racial and Ethnic Health Disparities 9:156-175 [PMCID: PMC7815191]
- 2022 Kate Strully and Tse-Chuan Yang. “County Social Vulnerability and Flu Vaccine Rates: National and Local Estimates for Medicare Recipients.” American Journal of Preventive Medicine 62(1): e1-e9
- 2022 Tse-Chuan Yang, Carla Shoff, and Seulki Kim*. “Social isolation, residential stability, and opioid use disorder among older Medicare beneficiaries: Metro/nonmetro county comparison.” Social Science & Medicine 292: 114605 [PMCID: In Progress]
- 2021 Kiwoong Park and Tse-Chuan Yang. “The wealth-health relationship by race/ethnicity: Evidence from a longitudinal perspective” Sociological Forum 36(4): 916-938
- 2021 Kimberly R Huyser, Tse-Chuan Yang, and Aggie J Yellow Horse. “Indigenous Peoples, concentrated disadvantage, and income inequality in New Mexico: a ZIP code-level investigation of spatially varying associations between socioeconomic disadvantages and confirmed COVID-19 cases” Journal of Epidemiology and Community Health 75: 1044-1049 [PMCID: PMC7992386]

- 2021 Tse-Chuan Yang, Seulki Kim*, and Stephen A. Matthews. "Face masking violations, policing, and COVID-19 death rates: A spatial analysis in New York City ZIP codes." The Professional Geographer 73(4): 670-682
- 2021 Carla Shoff, Tse-Chuan Yang, and Benjamin A. Shaw. "Trends in Opioid Use Disorder among Older Adults: Analyzing Medicare Data, 2013-2018" American Journal of Preventive Medicine 60(6): 850-855 [PMCID: PMC8154702]
- 2021 Tse-Chuan Yang, Seulki Kim*, Yunhan Zhao*, and Seung-won Emily Choi. "Examining spatial inequality in COVID-19 positivity rates across New York City ZIP codes." Health & Place 69: 102574
- 2021 Seulki Kim*, Carla Shoff, and Tse-Chuan Yang. "Spatial non-stationarity in opioid prescribing rates: Evidence from older Medicare Part D beneficiaries." Population Research and Policy Review 40(2): 127-136
- 2021 Weihui Zhang* and Tse-Chuan Yang. "Maternal smoking and infant low birth weight: Exploring the biological mechanism through the mother's pre-pregnancy weight status." Population Research and Policy Review 40(2): 211-229
- 2021 Tse-Chuan Yang, Seulki Kim*, and Carla Shoff. "Income inequality and opioid prescribing rates: Exploring rural/urban differences in pathways via residential stability and social isolation." Rural Sociology 86(1): 26-49 [PMCID: PMC8045985]
- 2021 Seung-won Emily Choi and Tse-Chuan Yang. "Are older populations at a disadvantage? County-level analysis of confirmed COVID-19 Cases in urban and rural America" The Journals of Gerontology: Series B 76(3): e99-e103 [PMCID: PMC7665764]
- 2021 Tse-Chuan Yang, Seung-won Emily Choi, and Feinuo Sun*. "COVID-19 cases in US counties: Roles of racial/ethnic density and residential segregation" Ethnicity & Health 26(1): 11-21 (**Top Cited Article in the Past 3 Years**)
- 2021 Tse-Chuan Yang, Feinuo Sun*, and Seung-won Emily Choi. "Rural residence and mortality in later life: Exploring the role of social integration and social support from a longitudinal perspective" Population, Space and Place 27(1): e2377 [PMCID: In Progress]
- 2021 Carla Shoff, Tse-Chuan Yang, and Seulki Kim*. "Rural/urban differences in the predictors of opioid prescribing rates among Medicare Part D beneficiaries 65 years of age and older" Journal of Rural Health 37(1): 5-15 [PMCID: In Progress]
- 2021 Kate Strully, Tse-Chuan Yang, and Han Liu*. "Regional variation in COVID-19 disparities: Connections with immigrant and Latinx communities in US counties" Annals of Epidemiology 53: 56-62 [PMCID: PMC7485497]
- 2020 Feinuo Sun*, Stephen A. Matthews, Tse-Chuan Yang, and Ming-Hsiao Hu. "A spatial analysis of COVID-19 period prevalence in US counties through June 28, 2020: Where geography matters?" Annals of Epidemiology 52: 54-59 [PMCID: PMC7386391] (**Top Cited Article in the Past 3 Years**)

- 2020 Vivian Yi-Ju Chen, Tse-Chuan Yang, and Stephen A. Matthews. "Exploring heterogeneities with geographically weighted quantile regression: An enhancement based on the bootstrap approach." Geographical Analysis 52: 642-661
- 2020 Tse-Chuan Yang and Scott J. South. "Neighborhood poverty and physical health at midlife: The role of life-course exposure." Journal of Urban Health 97(4): 486-501 [PMCID: PMC7392965]
- 2020 Tse-Chuan Yang, Kiwoong Park, and Stephen A. Matthews. "Racial/ethnic segregation and health disparities: Future directions and opportunities." Sociology Compass 14(6):e12794 [PMCID: PMC7351362] (**Top Cited Paper 2020-2021**)
- 2020 Joseph Gibbons, Tse-Chuan Yang, Elizabeth Brault*, and Michael S. Barton. "Evaluating residential segregation's relation to the clustering of poor health across American Cities." International Journal of Environmental Research and Public Health 17(11): 3910
- 2020 Sylwia J. Piatkowska, Andreas Hövermann, and Tse-Chuan Yang. "Immigration influx as a trigger for right-wing crime: A temporal analysis of hate crimes in Germany in the light of the 'refugee crisis'" British Journal of Criminology 60(3): 620-641
- 2019 Yunhan Zhao*, Tse-Chuan Yang, and Steven F. Messner. "Neighborhood segregation and racial disparities in post-stop outcomes: Insights from New York City." Journal of Crime and Justice 42(4): 365-381
- 2019 Tse-Chuan Yang, I-Chien Chen, Seung-won Choi*, and Aysenur Kurtulus*. "Linking perceived discrimination during adolescence to health during mid-adulthood: Self-esteem and risk-behavior mechanisms" Social Science & Medicine 232: 434-443 [PMCID: PMC7416483]
Commentary: "Necessary consideration for a life course perspective on discrimination and health" by Laura S. Richman and Michelle Stock.
<https://doi.org/10.1016/j.socscimed.2018.08.005>

Commentary: "Considering social processes when examining mediators of the effects of discrimination on health" by Elizabeth Brondolo.
<https://doi.org/10.1016/j.socscimed.2018.08.004>
- 2019 Sylwia J. Piatkowska, Steven F. Messner, and Tse-Chuan Yang. "Understanding the relationship between relative group size and hate crime rates: Linking methods with concepts" Justice Quarterly 36(6): 1072-1095
- 2019 Tse-Chuan Yang and Kiwoong Park*. "Racial/ethnic disparities in depression: Investigating how sources of support and types of integration matter" Social Science Research 82: 59-71 [PMCID: In Progress]
- 2019 Guangqing Chi, Derrick Shapley, Tse-Chuan Yang, and Donghui Wang*. "Lost in the Black Belt South: Health outcomes and transportation infrastructure." Environmental Monitoring and Assessment 191(Suppl 2): 297-313

- 2019 Tse-Chuan Yang, Stephen A. Matthews, Feinuo Sun*, and Marina Armendariz*. "Modeling the relative importance of within and between county effects in an ecological study of the association between social capital and mental distress." Preventing Chronic Disease 16: 180491 [PMCID: PMC6583813]
- 2019 Tse-Chuan Yang and Feinuo Sun*. "A longitudinal analysis of how perceived discrimination gets under the skin: Investigating gender and racial/ethnic differences" EurAmerica 49(2): 243-285
- 2019 Nina Verevkina, Pamela Short, Tse-Chuan Yang, Stephen A. Matthews, and Roger Anderson. "Analyzing hospital choices of colon cancer patients in four states in Appalachia." Journal of Health Care for the Poor and Underserved 30(2): 587-608 [PMCID: In Progress]
- 2018 Seung-won Choi*, Aggie J. Noah, and Tse-Chuan Yang. "Family policies and working women's fertility intentions in South Korea." Asian Population Studies 14(3): 251-270
- 2018 Tse-Chuan Yang and Scott J. South. "Neighborhood effects on body mass: Temporal and spatial dimensions." Social Science & Medicine 217: 45-54 [PMCID: PMC6207931]
- 2018 Sylwia J. Piatkowska, Steven F. Messner, and Tse-Chuan Yang. "Xenophobic and racially motivated crime in Belgium: Exploratory spatial data analysis and spatial regressions of structural covariates." Deviant Behavior 39(11): 1398-1418
- 2018 Aggie J. Noah, Tse-Chuan Yang, and Wei-Lin Wang*. "The black-white disparity in sexually transmitted diseases during pregnancy: How do racial segregation and income inequality matter?" Sexually Transmitted Diseases 45(5): 301-306 [PMCID: PMC5895497]
- 2018 Tse-Chuan Yang, I-Chien Chen*, Seulki Kim*, and Seung-won Choi*. "Differential investments and opportunities: How do neighborhood conditions moderate the relationship between perceived housing discrimination and social capital?" Social Science Research 72: 69-83 [PMCID: PMC5886033]
- 2018 Tse-Chuan Yang and Danhong Chen. "A multi-group path analysis of the relationship between perceived racial discrimination and self-rated stress: How does it vary across minority groups?" Ethnicity and Health 23(3): 249-275 [PMCID: PMC5589514]
- 2018 Tse-Chuan Yang, Lei Lei, and Aysenur Kurtulus*. "Neighborhood ethnic density and self-rated health: Investigating the mechanisms through social capital and health behaviors." Health & Place 53 (2018): 193-202.
- 2018 Joseph Gibbons and Tse-Chuan Yang. "Searching for silver linings: Is perceived medical discrimination weaker in segregated areas?" Applied Spatial Analysis and Policy 11(1): 37-58 [PMCID: PMC5809004]

- 2017 Kiwoong Park* and Tse-Chuan Yang. “The long-term effects of self-esteem on depression: The roles of alcohol and drug uses during young adulthood.” Sociological Quarterly 58(3): 429-446 [PMCID: PMC5602592]
- 2017 Tse-Chuan Yang, Stephen A. Matthews, and Kiwoong Park*. “Looking through a different lens: Examining the inequality-mortality association in U.S. counties using spatial panel models.” Applied Geography 86: 139-151 [PMCID: PMC5602573]
- 2017 Tse-Chuan Yang and Leif Jensen. “Climatic conditions and human mortality: Spatial and regional variation in the United States.” Population and Environment 38(3): 261-285 [PMCID: PMC5374511]
- 2017 Tse-Chuan Yang, Yunhan Zhao*, Qian Song*. “Residential segregation and racial disparities in self-rated health: How do dimensions of residential segregation matter?” Social Science Research 61: 29-42 [PMCID: PMC5124442]
- 2016 Tse-Chuan Yang, Danhong Chen, and Kiwoong Park*. “Perceived Housing Discrimination and Self-reported Health: How Do Neighborhood Features Matter?” Annals of Behavioral Medicine 50(6): 789-801 [PMCID: PMC5127720]
- 2016 Pamela Farley Short, John R. Moran, Tse-Chuan Yang, Fabian Camacho, Niraj Gusani, Heath Mackley, Steven Fleming, Stephen A. Matthews, and Roger T. Anderson. “Effects of hospital type and distance on lymph node assessment for colon cancer among metropolitan and non-metropolitan patients in Appalachia.” Medical Care Research and Review 73(5): 546-564 [PMCID: PMC4884173]
- 2016 Joseph Gibbons and Tse-Chuan Yang. “Connecting across the divides of race/ethnicity: How does segregation matter?” Urban Affairs Review 52(4) 531-558†
- 2016 Steven Fleming, Heath Mackley, Fabian Camacho, Nengliang Yao, Niraj J. Gusani, Eric Seiber, Stephen A. Matthews, Tse-Chuan Yang, and Wenke Hwang. “Patterns of care for metastatic colorectal cancer in Appalachia, and the clinical, sociodemographic, and service provider determinants.” Journal of Rural Health 32(2): 113-124 [PMCID: PMID:26241785]
- 2015 Tse-Chuan Yang and Kiwoong Park*. “To what extent do sleep quality and duration mediate the effect of perceived discrimination on health? Evidence from Philadelphia.” Journal of Urban Health 92(6) 1024-1037 [PMCID: PMC4675743]
- 2015 Tse-Chuan Yang and Stephen A. Matthews. “Death by segregation: Does the dimension of racial segregation matter?” PLoS ONE 10(9): e0138489 [PMCID:PMC4580431]
- 2015 Tse-Chuan Yang, I-Chien Chen*, and Aggie J. Noah*. “Examining the complexity and variation of health care system distrust across neighborhoods: Implications for preventive health care.” Research in the Sociology of Health Care 33: 43-65 [PMCID: PMC4592143]

- 2015 Tse-Chuan Yang and Leif Jensen. "Exploring the inequality-mortality relationship using Bayesian spatial modeling." Population Research and Policy Review 34(3): 437-460 [PMCID: PMC4493752]
- 2015 Tse-Chuan Yang, Aggie J. Noah*, and Carla Shoff. "Exploring geographic variation in US mortality rates using a spatial Durbin approach." Population, Space, and Place 21(1): 18-37 [PMCID: PMC4310504]
- 2014 Joseph Gibbons* and Tse-Chuan Yang. "Self-rated health and residential segregation: How does race/ethnicity matter?" Journal of Urban Health 91(4): 648-660 [PMCID: PMC4134452]
- 2014 Carla Shoff, Vivian Yi-Ju Chen, and Tse-Chuan Yang. "When homogeneity meets heterogeneity: the geographically weighted regression with spatial lag approach to prenatal care utilization." Geospatial Health 8(2): 557-568 [PMCID: PMC4117128]
- 2014 Tse-Chuan Yang, Stephen A. Matthews, and Vivian Yi-Ju Chen. "Stochastic variability in stress, sleep duration and sleep quality across the distribution of body mass index: Insights from quantile regression." International Journal of Behavioral Medicine 21(2): 282-291 [PMCID: PMC3851937]
- 2014 Roger T. Anderson, Tse-Chuan Yang, Nengliang Yao, Stephen A. Matthews, Eugene Lengerich, Teresa Kern, Christopher Louis, Health Mackley, Gretchen Kimmick, and Fabian Camacho. "Breast cancer screening rates, area deprivation, and later-stage breast cancer in Appalachia: Does geography matter?" Health Services Research 49(2): 546-567 [PMCID: PMC3976186]
- 2014 Tse-Chuan Yang, Carla Shoff, Aggie J. Noah*, Nyesha Black*, and Corey Sparks. "Racial segregation and maternal smoking during pregnancy: a multilevel analysis using the racial segregation interaction index." Social Science & Medicine 107: 26-36 [PMCID: PMC4029363]
- 2014 Danhong Chen* and Tse-Chuan Yang. "The pathways from perceived discrimination to self-rated health: An investigation of the roles of distrust, social capital, and health behaviors." Social Science & Medicine 104: 64-73. [PMCID: PMC4048349]
- 2014 Steven T. Fleming, Heath B. Mackley, Fabian Camacho, Eric E. Seiber, Niraj J. Gusani, Stephen A. Matthews, Jason Liao, Tse-Chuan Yang, Wenke Hwang, Nengliang Yao. "Clinical, sociodemographic and service provider determinants of guideline concordant colorectal cancer care for Appalachian residents." Journal of Rural Health 30(1): 27-39. [PMCID: PMC3882337]
- 2013 Tse-Chuan Yang, Stephen A. Matthews, and Roger T. Anderson. "Prostate cancer screening and health care system distrust in Philadelphia." Journal of Aging and Health 25(5): 737-757. [PMCID: PMC3761213]
- 2013 Stephen A. Matthews and Tse-Chuan Yang. "Spatial Polygamy and Contextual Exposures (SPACES): Promoting Activity Space Approaches in Research on Place and Health." American Behavioral Scientist 57(8): 1057-1081 [PMCID: PMC3975622]

- 2013 Tse-Chuan Yang, Carla Shoff, and Aggie J. Noah*. "Spatialising health research: what we know and where we are heading." Geospatial Health 7(2): 161-168. [PMCID: PMC3732658]
- 2013 Carla Shoff and Tse-Chuan Yang. "Understanding maternal smoking during pregnancy: Does residential context matter?" Social Science & Medicine 78(1): 50-60. [PMCID: PMC3545052]
- 2013 Tse-Chuan Yang, Carla Shoff*, and Stephen A. Matthews. "Examining the spatially non-stationary associations between the second demographic transition and infant mortality: A Poisson GWR approach." Spatial Demography 1(1): 18-41. [PMCID: PMC4224018]
- 2012 Carla Shoff and Tse-Chuan Yang. "Spatially varying predictors of teenage birth rates among counties in the United States." Demographic Research 27(14): 377-418. [PMCID: PMC3493119].
- 2012 Vivian Yi-Ju Chen, and Tse-Chuan Yang. "SAS macro programs for geographically weighted generalized linear modeling with spatial point data: Applications to health research." Computer Methods and Programs in Biomedicine 107: 262-273.
- 2012 Tse-Chuan Yang, Vivian Yi-Ju Chen, Carla Shoff*, and Stephen A. Matthews. "Using quantile regression to examine the effects of inequality across the mortality distribution in the US counties." Social Science & Medicine. 74(12): 1900-1910. [PMCID: PMC3348237]
- 2012 Carla Shoff* and Tse-Chuan Yang. "Untangling the associations among distrust, race, and neighborhood social environment: A social disorganization perspective." Social Science & Medicine 74(9): 1342-1352. [PMCID: PMC3321124]
- 2012 Tse-Chuan Yang and Stephen A. Matthews. "Understanding the non-stationary associations between distrust of the health care system, health conditions, and self-rated health in the elderly: A geographically weighted regression approach." Health & Place 18: 576-585. [PMCID: PMC3319514]
- 2012 Carla Shoff*, Tse-Chuan Yang, and Stephen A. Matthews. "What has geography got to do with it? Using GWR to explore place-specific associations with prenatal care utilization." GeoJournal 77(3): 331-341. [PMCID: PMC3569028]
- 2012 Stephen A. Matthews and Tse-Chuan Yang. "Mapping the results of local statistics: Using geographically weighted regression." Demographic Research 26:151-166 [PMCID: PMC4286400]
- 2012 Yi-Ju Chen, Wen-Shuun Deng, Tse-Chuan Yang, and Stephen A. Matthews. "Geographically weighted quantile regression (GWQR): An application to US mortality data." Geographical Analysis 44(2): 134-150. [PMCID: PMC4204738]

- 2012 Leif Jensen, Tse-Chuan Yang and Patricia Muñoz. “Natural resource dependence: implications for children’s schooling and work in Chile.” Society & Natural Resources 25(1): 3-21.
- 2011 Tse-Chuan Yang, Leif Jensen, and Murali Haran. “Social capital and human mortality: Explaining the rural paradox with county-level mortality data.” Rural Sociology 76(3): 347-374. [PMCID: PMC4225697]
- 2011 Tse-Chuan Yang, Stephen A. Matthews, and Marianne Hillemeier. “Effect of health care system distrust on breast and cervical cancer screening in Philadelphia, Pennsylvania.” American Journal of Public Health 101(7): 1297-1305. [PMCID: PMC3110214]
- 2011 Tse-Chuan Yang, Stephen A. Matthews, and Carla Shoff*. “Individual health care system distrust and neighborhood social environment: How are they jointly associated with self-rated health?” Journal of Urban Health 88(5):945-958. [PMCID: PMC3191206]
- 2010 Tse-Chuan Yang and Brian McManus. “Infant mortality and social environment: An application of hotspot detection and prioritization in Georgia.” Environmental and Ecological Statistics 17(4): 455-471. [PMCID: PMC3197227]
- 2010 Tse-Chuan Yang and Stephen A. Matthews. “The role of social and built environments in predicting self-rated stress: A multilevel analysis in Philadelphia.” Health & Place 16: 803-810. [PMCID: PMC3200568]
- 2010 Stephen A. Matthews, Tse-Chuan Yang, Karen L. McCall, and Barry R. Ruback. “Built environment and property crime in Seattle, 1998-2000: A Bayesian analysis.” Environment and Planning A 42: 1403-1420. [PMCID: PMC3984884]
- 2010 Stephen A. Matthews and Tse-Chuan Yang. “Exploring the role of the built and social environment in moderating stress and health.” Annals of Behavioral Medicine 39: 170-1783. [PMCID: PMC4017772]
- 2010 Yi-Ju Chen, Pei-Chih Wu, Tse-Chuan Yang, and Huey-Jen Su. “Examining the non-stationary effects of social determinants on cardiovascular mortality after cold surges in Taiwan.” Science of the Total Environment 408: 2042-2049.
- 2009 Tse-Chuan Yang, Huei-Wen Teng, and Murali Haran. “The impacts of social capital on infant mortality in the U.S.: A spatial investigation.” Applied Spatial Analysis and Policy, 2 (3): 211-227.
- 2009 Tse-Chuan Yang, Pei-Chih Wu, Yi-Ju Chen, and Huey-Jen Su. “Cold surge: a sudden and spatially varying threat to health?” Science of the Total Environment 407(10): 3421-3424. [PMCID: PMC3204666]

Refereed Book Chapters:

- 2020 Danhong Chen and Tse-Chuan Yang. "Neighborhood food environment and self-rated health: An investigation with a spatial perspective." In Billystrom Jivetti and Nazrul Hoque (eds), *Population Change and Public Policy*. p.p. 93-113, Volume 11, Applied Demography Series. Springer Nature Switzerland AG.
- 2015 Tse-Chuan Yang, Aggie J. Noah*, and Carla Shoff. "Revisiting the rural paradox in US counties with spatial Durbin modeling." In Frank M. Howell, Jeremy R. Porter, and Stephen A. Matthews (eds), Recapturing Space: New Middle-Range Theory in Spatial Demography. p.p. 253-274, Volume 1, Spatial Demography Series. Dordrecht: Springer.
- 2009 Leif Jensen and Tse-Chuan Yang. "Taken by surprise: New immigrants in the rural United States." In Birgit Jentsch and Myriam Simard (eds.), International Migration and Rural Areas - Global Perspectives, p.p. 17-41. Hampshire, UK: Ashgate Publishing, Ltd.

Book Reviews:

- 2013 Tse-Chuan Yang. Review of *Introduction to Spatial Econometrics* by James Lesage and R. Kelley Pace. Boca Raton, Florida: CRC Press. Spatial Demography 1(1): 143-145.

Computational Social Science Publications:

- 2016 Tse-Chuan Yang, Daniel Kifer, and Stephen A. Matthews. "Multiple imputations of subregions with censored location data: A Kullback-Leibler divergence approach" International Conference on Computational Social Science
- 2016 Yu Zhang, Tse-Chuan Yang, and Stephen A. Matthews. "Inferring censored geo-information with non-representative data." International Conference on Machine Learning and Data Mining (published in the proceedings).

Reports:

- 2007 Tse-Chuan Yang, and Anastasia Snyder. "NECRD Fact Sheet: Population Change in the North East 2000-2005." The Northeast Regional Center for Rural Development, online document.

Other Publications:

- 2006 Tse-Chuan Yang. "Interdisciplinary learning in environmetrics." Environmental and Ecological Statistics, 13(4): 358-359.

Manuscripts in Progress:

Tse-Chuan Yang, Carla Shoff, Heeyoung Lee*. “Mortality Rates among Older Medicare Beneficiaries during the COVID-19 Pandemic: Examining the Role of Opioid Use Disorder Diagnosis” Under Review.

Tse-Chuan Yang, Kate Strully, Carla Shoff, Benjamin A. Shaw. “Opioid use disorder, neighborhood disadvantages, and individual risk factors: An examination of double jeopardy hypothesis” In Progress.

GRANTS AWARDED**External:**

“*Living alone and risk for the development of Alzheimer’s Disease and related dementias: When does solitary living matter and why?*” **Co-Principal Investigator** with Dr. Benjamin Shaw. National Institute on Aging 07/1/2021~06/30/2022. \$56,461

“*Exclusionary and inclusionary residential zoning laws and health disparities among metropolitan older adults.*” **Co-Investigator** with Dr. Kate Strully (Principal Investigator). Center for Aging and Policy Studies 06/01/2022~05/31/2023. \$37,957

“*Exploring the relationship between Medicare-Medicaid dual-eligibility and opioid use disorder among older adults living in rural America*” **Principal Investigator** with Dr. Benjamin Shaw (Co-PI). NIA-supported Interdisciplinary Network on Rural Population Health and Aging 06/01/2020~05/31/2021. \$9,929.52.

“*TWC SBES: Medium: Utility for Private Data Sharing in Social Science*” **Co-Principal Investigator** with Dr. Daniel Kifer (Principal Investigator). National Science Foundation (NSF, 1228669). 09/01/2012~08/31/2016. \$ 1,066,889.

“*Pharmacotherapy Evaluation Tools for Improving Breast Cancer Outcomes in Rural Appalachia.*” **Consultant** with Dr. Rajesh Balkrishnan (Principal Investigator, University of Michigan). National Cancer Institute (NCI, R21CA168479). 09/02/2012~08/31/2014 \$ 430,865.

“*Patterns of Patient Care in Appalachia*” **Co-Investigator** with Dr. Roger T. Anderson (Principal Investigator) and others. National Cancer Institute (NCI, R01CA140335) 04/01/2010~03/31/2013. \$ 1,139,862.

“*Population Research Center Core Grant*” **Co-Investigator** (and Director of GIA Core) with Dr. Jennifer VanHook (Principal Investigator) and others. Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD, R24 HD041025-10) 01/10/2012~11/30/2016 \$ 3,662,178

Internal:

“*Tracking the Social, Psychological, and Economic Implications of COVID-19 Among SUNY Students and Families*” SUNY COVID-19 Research Seed Grant Award. **Co-Investigator** with Dr. Benjamin Shaw (Principal Investigator) 04/16/2020~07/16/2020 \$7,500

“Fragile Families and the Well-being of Young Children of Immigrants: A Bi-National Pilot Project” Presidential Initiatives Fund for Research and Scholarship. **Co-Investigator** with Dr. Zai Liang (Principal Investigator) 06/01/2015~11/30/2015 \$16,270

“Undocumented status, fragile families, and the young children of immigrants: A bi-national pilot project.” Center for Social and Demographic Analysis. **Co-Investigator** with Dr. Zai Liang (Principal Investigator). 04/29/2014~10/31/2014 \$10,350.

“Relationships between racial segregation and health: How do they vary by race/ethnicity?” Center for Social and Demographic Analysis Junior Award. **Principal Investigator**. 11/15/2013~09/01/2014. \$ 5,000.

“Neighborhood environment, parental health care system distrust, and pediatric asthma treatment: A synergized approach of spatial and hierarchical modeling.” Social Science Research Institute. **Principal Investigator**. 07/01/2012~06/30/2013. \$ 5,000.

“Geographically weighted regression over imprecise data: tools for analysis and privacy preservation” Institute for CyberScience and the Social Science Research Institute Co-funding project. **Co-Investigator** with Dr. Daniel Kifer (Principal Investigator). 01/01/2011~06/30/2012. \$ 30,000.

“Testing the Causal Links between Television and Physical Activity” Social Science Research Institute. **Co-Investigator** with Dr. Rukmalie Jayakody (Principal Investigator). 12/01/2010~12/31/2011, \$ 20,650.

“Genetic variants, social, and physical environment factors: How are they associated with pediatric asthma? Evidence from Philadelphia” Children, Youth and Family Consortium (CYFC) at the Social Science Research Institute. **Principal Investigator**. 01/01/2011~06/30/2011, \$ 5,000.

“Mapping Agricultural Restructuring in Brazil, Argentina and Chile: Tracing the Socio-Economic Impacts of Agro-Export Specialization at the Sub-National Scale.” Children, Youth and Family Consortium (CYFC) at the Social Science Research Institute. **Co-Investigator** with Dr. Anouk Patel-Campillo (Principal Investigator). 06/01/2010~04/01/2011, \$ 5,000.

“Developing a non-Gaussian spatiotemporal analysis tool for handling missing data: an application to cancer research.” Children, Youth and Family Consortium (CYFC) at the Social Science Research Institute. **Principal Investigator**. 09/01/2008~08/31/2009, \$ 14,966.

GRANTS CURRENTLY UNDER REVIEW OR RESUBMISSION

External:

“Age segregation, prevalence of opioid use disorder among older Medicare beneficiaries during the COVID-19 pandemic: Exploring the roles of social isolation and telehealth use” R03 proposal under review at NIH. **Principal Investigator**.

“Neighborhood Social Isolation and Opioid Use Disorder among Older Adults: Longitudinal Analyses Using Medicare Data” R01 proposal scored and under revision for NIH. **Principal Investigator**.

“Rural/urban health disparities in midlife: Life-course neighborhood exposures and sociobehavioral mechanisms” R01 proposal scored and is under revision for NIH. **Principal Investigator**.

“The Economic and Social Impact of COVID-19 and Anti-Asian Hate on Chinatown and Low-skilled Chinese Immigrant Workers” proposal under review at Russell Sage Foundation. **Co-Investigator** (PI: Zai Liang)

MEDIA COVERAGE

“[Substance abuse is climbing among seniors](#)” New York Times, July 9, 2023.

“[Live in a Chicago neighborhood with a high violent crime rate? Your odds of obesity, hypertension are higher, study finds](#)” Chicago Tribune, July 10, 2018.

“[What’s race got to do with it? The relationship between race and health outcomes in segregated neighborhoods](#)” Chicago Policy Review, May 28, 2014.

PROFESSIONAL SERVICE

Proposal Reviewer: NIH, Health Services Organization and Delivery Study Section

Journal Reviewer:

| | |
|---|---|
| American Journal of Preventive Medicine | Pediatrics |
| American Journal of Public Health | PLOS Medicine |
| American Journal of Sociology | Population Research and Policy Review |
| American Sociological Review | Prevention Science |
| Annals of Epidemiology | Population, Space and Place |
| Asian Population Studies | Psychology, Health, and Medicine |
| BMC Public Health | Research on Aging |
| Demographic Research | Rural Sociology |
| Demography | Sleep Medicine |
| Environment and Planning A | Social Indicator Research |
| Ethnicity & Health | Social Science and Medicine |
| European Journal of Population | Social Science and Medicine-Population Health |
| Geographical Analysis | Health |
| Geospatial Health | Social Science Research |
| Health and Place | Spatial Demography |
| International Journal of Climatology | Stress and Health |
| International Journal of Environmental Research and Public Health | The American Economist |
| International Journal of Health Geographics | The Gerontologist |
| Journal of Aging and Health | The Professional Geographer |
| Journal of Gerontology: Social Science | The Review of Regional Studies |
| Journal of Health and Social Behavior | The Sociological Quarterly |
| Journal of Marriage and Family | Transactions in GIS |
| Journal of Rural Health | Urban Affairs Review |
| Mathematical Population Studies | Urban Studies |
| | Youth & Society |

Discussant/Organizer for

Taiwan Sociological Association Annual Meeting (2019)
 Population Association of America Annual Meeting (2010, 2012, 2014, 2017, 2018)
 The Annual Meeting of the American Sociological Association (2018)

SELECTED INVITED LECTURES

Overview of the Rural/Urban Health Disparities in the US. **University of Texas Medical Branch**, Galveston, USA. 2021.

Rural Residence and Mortality in Later Life: Exploring the Role of Social Integration and Social Support from a Longitudinal Perspective. **Center for Aging and Policy Studies, Syracuse University**. Virtual Talk. 2020

Facebook Geotagged Data and Activity Space Indicator: Potential Directions and Caveats. **Institute of Sociology, Academic Sinica**, Taipei, Taiwan, 2019.

Differential Investments and Opportunities: How do Neighborhood Conditions Moderate the Relationship between Perceived Housing Discrimination and Social Capital? **National Taiwan University**, Taipei, Taiwan. 2019

A Longitudinal Analysis of How Perceived Discrimination Gets under the Skin: Investigating Gender and Racial/ethnic Differences. **Institute of European and American Studies, Academic Sinica**, Taipei, Taiwan. 2018.

Exploring Geographic Variation in US Mortality Rates using a Spatial Durbin Approach. **Biobehavioral Health Colloquium Series, The Pennsylvania State University**, University Park, USA. 2013.

Introduction to Spatial Econometrics. **R Interest Group, Population Research Institute, The Pennsylvania State University**, University Park, USA. 2013.

Spatializing Health Research: What we know and where we are heading. **The Digital Archives GIScience Conference, National Taiwan University**, Taipei, Taiwan. 2012.

Privacy Issues in GIS-related Research. **Office of Research Protections, The Pennsylvania State University**, University Park, USA. 2012.

A Space-time Perspective in Research: where do we stand and head for. **StudioLab, The Pennsylvania State University**, University Park, USA. 2011.

GIS and Public Health: Past, Current and Future. **Department of Health Policy and Administration, The Pennsylvania State University**. University Park, USA. 2009.

GIS and Health Research. **Department of Health Policy and Administration, The Pennsylvania State University**. University Park, USA. 2008.

Infant Mortality and Social Environment: An Application of Hotspot Detection and Prioritization in Georgia. **Annual International Workshop on Digital Governance and**

Hotspot Geo-informatics for Monitoring, Etiology, Early Warning and Sustainable Management. Jalgaon, India. 2007.

Hotspot Detection of Infant Mortality in the U.S.: A Space-time Approach. **International Hotspot Geoinformatics and Digital Governance Workshop**, Center for Statistical Ecology and Environmental Statistics, University Park, PA. 2006.

SELECTED CONFERENCE PAPERS/POSTERS

“Caring for grandchildren and pain: Rural and urban differences in South Korea” (with Seung-won Emily Choi), Round-Table presented at the American Sociological Association Annual Meeting, Philadelphia, USA, 2023.

“Examining the reciprocity between perceived discrimination and health: A longitudinal Perspective” (with Han Liu*), Poster presented at the Population Association of America Annual Meeting (virtual meeting due to the pandemic), 2021.

“Exploring the relationship between Medicare-Medicaid dual-eligibility and opioid use disorder among rural older adults living in the US.” Paper presented at the Interdisciplinary Network on Rural Population Health and Aging Annual Meeting (virtual meeting due to the pandemic) 2021.

“The reciprocity between perceived discrimination and health” (with Han Liu*). Paper presented at the Population Association of America Annual Meeting, Washington DC, USA. 2020 (virtual meeting due to the pandemic)

“The health implications of contextual exposure: The third way between residential neighborhood and activity space” (with Lei Lei). Paper presented at the Population Association of America Annual Meeting, Austin, TX, USA. 2019

“The causal effects of cumulative father presence on children’s academic performance: The role of behavior problems” (with Seulki Kim). Paper presented at the Population Association of America Annual Meeting, Austin, TX, USA. 2019

“How do neighborhoods moderate the relationship between housing discrimination and social capital? A multilevel structural equation modeling approach.” (with I-Chien Chen, Seung-won Choi, and Seulki Kim). Paper presented at the Population Association of America Annual Meeting, Chicago, IL, USA. 2017

“Linking perceived discrimination during adolescence to health in middle adulthood: The mechanisms through self-esteem and risk behaviors.” (with I-Chien Chen and Seung-won Choi). Poster presented at the Population Association of America Annual Meeting, Washington DC, USA. 2016. **(Poster Session Winner)**

“Income inequality and mortality in U.S. counties, 1990-2010: A dynamic spatial panel analysis.” (with Stephen A. Matthews and Kiwoong Park). Poster presented at the Population Association of America Annual Meeting, San Diego, CA, USA. 2015. **(Poster Session Winner)**

“Perceived housing discrimination and self-rated health: Why do neighborhood features matter?” (with Danhong Chen and Kiwoong Park). Poster presented at the Population Association of America Annual Meeting, Boston, MA, USA. 2014. **(Poster Session Winner)**

“Partitioning the spatial spillover effects of social conditions on mortality: An example using US county data” (with Carla Shoff and Aggie J. Noah). Paper presented at the International Union for the Scientific Study of Population Conference, Busan, South Korea, 2013.

“Geographic variation in U.S. mortality 2004-2008: A spatial Durbin approach” (with Aggie J. Noah, and Carla Shoff). Poster presented at the Population Association of American Annual Meeting, New Orleans, LA, USA. 2013.

“Does racial segregation aggravate or alleviate the association between race/ethnicity and maternal smoking during pregnancy: A multilevel analysis” (with Carla Shoff, Nyesha Black, Aggie J. Noah, and Corey Sparks). Poster presented at the Population Association of American Annual Meeting, New Orleans, LA, USA. 2013.

“Exploring heterogeneity in health outcomes and geographic space: Integrating quantile and geographically weighted regression” (with Stephen A. Matthews and Vivian Yi-Ju Chen). Paper presented at the Population Association of America Annual Meeting, San Francisco, CA, USA. 2012.

“Understanding maternal smoking during pregnancy: How does social capital get under the skin?” (with Carla Shoff). Paper presented at the Population Association of America Annual Meeting, San Francisco, CA, USA. 2012.

“Exploring the roles of support and neighborhood trust in modifying the association of parenthood and marital status with stress.” (with I-Chien Chen). Paper presented at the Population Association of America Annual Meeting, San Francisco, CA, USA. 2012.

“Spatially varying predictors of teenage birth rates among counties in the United States” (with Carla Shoff). Poster presented at the Population Association of America Annual Meeting, San Francisco, CA, USA. 2012.

“Tales from the tails: Examining the effect of inequality at the extremes of the mortality distribution.” (with Vivian Yi-Ju Chen, Carla Shoff, and Stephen A. Matthews). Poster presented at the Population Association of America Annual Meeting, Washington, DC, USA. 2011.

“What has geographic got to do with it? Using GWR to explore place-specific associations with prenatal care utilization.” (with Carla Shoff and Stephen A. Matthews). Poster presented at the Population Association of America Annual Meeting, Washington, DC, USA. 2011.

“Exploring the spatially varying effects of neighborhood trust and health care system distrust on self-rated health among the elderly: A geographically weighted regression approach.” (With Stephen A. Matthews). Presented at the GIS in the Humanities and Social Sciences, Taipei, Taiwan. 2009.

“Exploring the determinants of stress: An examination using spatial and multilevel analysis in Philadelphia.” (with Stephen A. Matthews). Presented at The Population Association of America Annual Meeting, Detroit, MI USA. 2009.

“Context and death: A spatial investigation of the impacts of social capital and natural amenities on mortality in U.S. counties.” (with Leif Jensen and Murali Haran). Presented at The Population Association of America Annual Meeting, New Orleans, LA USA. 2008.

“Spatial and multilevel models of neighborhood food environments, diet and obesity in Philadelphia, USA, 2006” (with Stephen A. Matthews, Steve Cummins and Richard M. Simon). Poster at the International Society for Behavioral Nutrition and Physical Activity, Banff, Canada, 2008

“Spatial Inequality in Chile: Stasis and Change” (with Leif I. Jensen and Stephen A. Matthews). Presented at the Population Association of America Annual Meetings, Los Angeles, CA, USA. 2006.

COURSES OFFERED

Undergraduate:

Statistics for Sociologists (ASOC 221)
 Social Demography (ASOC 370)
 Neighborhood Effects on Health (ASOC 485W)
 Social Determinants of Health (ASOC 485W)

Graduate:

Multivariate Analysis (ASOC 609)
 Demographic Techniques (ASOC 552)
 Intermediate Statistics for Sociologists (ASOC 522)

DISSERTATION COMMITTEES

Current Doctoral Committee Services

Beenna Han (Member, Department of Sociology, UAlbany).

Wendie Choudary (Member, Department of Sociology, UAlbany).

Completed Doctoral Committee Services

Feinuo Sun (Chair, Department of Sociology, UAlbany). Placement: Assistant Professor at the University of Texas at Arlington.

Weihui Angela Zhang (Chair, Department of Sociology, UAlbany). Placement: Research Scientist at the New York State Department of Health.

Seulki Kim (Chair, Department of Sociology, UAlbany). Placement: Assistant Professor at the University of Nebraska–Lincoln.

Yunhan Zhao (Member, Department of Sociology, UAlbany). Placement: Assistant Professor at Colorado State University at Pueblo

Kyle Maksuta (Member, Department of Sociology, UAlbany). Placement: Assistant Professor at Western Kentucky University

Kaya Hamer-Small (Member, Department of Sociology, UAlbany). Placement: Assistant Professor at Broward College

Dean Weld (Member, Department of Sociology, UAlbany).

Bo Zhou (Member, Department of Sociology, UAlbany). Placement: Postdoctoral Fellow at Sun Yat-Sen University

Zequn Tang (Member, Department of Sociology, UAlbany). Placement: Assistant Professor at Shanghai University

John-Michael Simpson (Member, Department of Sociology, UAlbany). Placement: Assistant Professor at SUNY Cortland

Kiwoong Park (Member, Department of Sociology, UAlbany). Placement: Assistant Professor at the University of New Mexico

Woojae Han (Member, Department of Social Welfare, UAlbany). Placement: Assistant Professor at Binghamton University

Aggie J. Noah (Member, Department of Sociology, Penn State University). Placement: Assistant Professor at Arizona State University

Lei Lei (Member, Department of Sociology, UAlbany). Placement: Assistant Professor at Rutgers University

Sungeun Kim (Member, Department of Public Administration, UAlbany). Placement: Assistant Professor at Oakland University

Colleen Wynn (Member, Department of Sociology, UAlbany). Placement: Assistant Professor at University of Indianapolis

Undergraduate Honor Thesis Mentor

Robyn D. Forgie (Mentor, Department of Sociology, UAlbany).

AWARDS/CERTIFICATES

State University of New York Chancellor's Award for Excellence in Teaching, 2019

University at Albany President's Award for Excellence in Teaching, 2018.

Population Association of America Annual Meeting Poster Award. 2014, 2015, & 2016.

Certificate of Survival Analysis Workshop. The Interuniversity Consortium for Political and Social Research (ICPSR). 2015

Certificate of Immigration and Health Robert Wood Johnson Workshop. The Interuniversity Consortium for Political and Social Research (ICPSR). 2015

Certificate of Social Network Analysis Workshop. The Interuniversity Consortium for Political and Social Research (ICPSR). 2008

Certificate of Advanced Spatial Analysis on Geographically Weighted Regression. Center for Spatially Integrated Social Science (CSISS). 2008

Certificate of Advanced Spatial Analysis on Point Pattern Analysis. Center for Spatially Integrated Social Science (CSISS). 2008

Research Protection Training Certificate. The Office of Research Protection, The Pennsylvania State University. 2005

GIS and Population Science Workshop Completion Certificate. Center for Spatially Integrated Social Science (CSISS). 2005

Certificate of ArcGIS® I. Environmental Systems Research Institute (ESRI). 2005

PROFESSIONAL MEMBERSHIPS

American Sociological Association
The Population Association of America
The Rural Sociological Society
Interdisciplinary Association for Population Health Science

ADMINISTRATIVE SERVICES

University/College Level:

Undergraduate Academic Council Senate, 2017-2019
College of Arts and Sciences Council Representative, 2014-2016
Sociology Liaison for the University in the High School Program, University at Albany, 2013-2017
Internal Advisory Board, Social Science Research Institute, Penn State University, 2011-2013.

Department Level:

Graduate Committee, Member (2017-2018; 2020-2021)
Executive Committee, Member (2015-2017)
Undergraduate Committee, Member (2015-2016; 2018-2021)
Teaching Committee, Member (2013-2015; 2016-2018)
Recruitment Committee, Member (2014-2015)

TECHNICAL SKILLS

Ordinary Statistics Software: SPSS, SAS, Minitab, R
Structural Equation Modeling: LISREL, AMOS, Mplus
Hierarchical Modeling Software: HLM, MLWin
Social Network Analysis: Ucinet, Pajek,
Geographic Information Systems: ArcGIS, ArcView

Spatial Analysis Software: Spatial statistics packages for R (GeoR, Spdep, akima, spatial, spatstat), Spatial-econometrics toolbox for MATLAB, GeoDA, Flow Mapper, CrimeStat, and Geographically Weighted Regression (GWR).

Bayesian Simulation Software: R, WinBUGS, GeoBUGS.