

Travis Michael Loux

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RESEARCH INTERESTS

Causal Inference and observational studies; non-random samples; missing data; statistics education.

ACADEMIC POSITIONS

Saint Louis University

- 2018-present: Associate Professor, Department of Epidemiology and Biostatistics
 - 2020 - present: Program Director, PhD Public Health Studies.
- 2017-2018: Assistant Professor, Department of Epidemiology and Biostatistics, Saint Louis University.
- 2013-2017: Assistant Professor, Department of Biostatistics.

Previous Institutions

- 2011-2013: Visiting Assistant Professor, Department of Applied Probability and Statistics, University of California - Santa Barbara.
- 2010-2011: Adjunct Faculty, Department of Mathematics and Statistics, Sacramento City College.
- 2008-2011: Associate Instructor, Department of Statistics, University of California - Davis.

EDUCATION

- **Doctor of Philosophy, Statistics**, University of California - Davis. December 2011.
Dissertation: Causal Inference and Estimation of the Odds Ratio. Advisor: Dr. Christiana Drake.
- **Master of Science, Statistics**, University of California - Davis. June 2008.
- **Bachelor of Science, Mathematics**, University of Washington. June 2006.
Minors in statistics and law, societies, and justice.

PUBLICATIONS

Student co-authors indicated by *. Click on DOI to go to article webpage.

- Bafageeh, F.*, **Loux, T.** (2024) “Depression Symptoms Linked to Oral Health Outcomes in US Adults” *Journal of Dental Research Clinical and Translational Research*. doi:[10.1177/23800844241246225](https://doi.org/10.1177/23800844241246225) (<https://doi.org/10.1177/23800844241246225>)
- Ragsdale, A.S., Al-Hammadi, N., **Loux, T.**, Bass, S., Keller, J.M., Chavan, N.R. (2024) “Perinatal Substance Use Disorder: Examining the Impact on Adverse Pregnancy Outcomes” *European Journal of Obstetrics & Gynecology and Reproductive Biology*. 22. 100308. doi: [10.1016/j.eurox.2024.100308](https://doi.org/10.1016/j.eurox.2024.100308)

- Huang, Y.*, **Loux, T.**, Huang, X., Feng, X. (2023) “The relationship between chronic diseases and mental health: a cross-sectional study” *Mental Health & Prevention*. 32. 200307. doi: [10.1016/j.mhp.2023.200307](https://doi.org/10.1016/j.mhp.2023.200307)
- Hockenberry, J.M., Wen, H., Druss, B.G., **Loux, T.**, Johnston, K.J. (2023) “No Difference in Mental Health Treatment or Patient-Reported Outcomes at Medicare ACOs for Depression and Anxiety.” *Health Affairs*. 42 (11), 1478-1487. [10.1377/hlthaff.2023.00345](https://doi.org/10.1377/hlthaff.2023.00345)
- Huang, Y*, **Loux, T.** (2023) “A cross-sectional study: Association Between Tobacco/Alcohol Usage and Mental Health with Disabilities” *Mental Health & Prevention*. 32. doi: [10.1016/j.mhp.2023.200302](https://doi.org/10.1016/j.mhp.2023.200302)
- Xie, Y.*, Bowe, B., Xian, H., **Loux, T.**, McGill, J.B., Al-Aly, Z. (2023) “Comparative Effectiveness of SGLT2 Inhibitors, GLP-1 Receptor Agonists, DPP-4 Inhibitors, and Sulfonylureas on Risk of Major Adverse Cardiovascular Events.” *Lancet Diabetes & Endocrinology*. 11(9), 644-656. doi: [10.1016/S2213-8587\(23\)00171-7](https://doi.org/10.1016/S2213-8587(23)00171-7)
- Johnson, K.J., **Loux, T.**, Joynt Maddox, K.E. (2023) “Risk Selection and Care Fragmentation at Medicare Accountable Care Organizations for Patients with Dementia.” *Medical Care*. 61(8), 570-578. doi: [10.1097/MLR.0000000000001876](https://doi.org/10.1097/MLR.0000000000001876)
- Rozier, M., Scroggins, S., **Loux, T.**, Shacham, E. (2023) “Personal Location as Health-Related Data: Public Knowledge, Public Concern, and Personal Action.” *Value in Health*. 26(9), 1314-1320. doi: [10.1016/j.jval.2023.05.012](https://doi.org/10.1016/j.jval.2023.05.012)
- Rebmann, T., **Loux, T. M.**, Gomel, A., Lugo, K.*, Bafageeh, F.*, Elkins, H, Arnold, LD. (2023) “Assessing Classroom and Laboratory Spread of COVID-19 in a University After Elimination of Physical Distancing.” *PLOS ONE* 18(3):e0283050. doi: [10.1371/journal.pone.0283050](https://doi.org/10.1371/journal.pone.0283050)
- **Loux, T.**, Matusik, M.*, Hamzic, A.*. (2023) “Trends in U.S. Adolescent Physical Activity and Obesity: A 20-Year Age-Period-Cohort Analysis.” *Pediatric Obesity*. 18(3):e12996. doi: [10.1111/ijpo.12996](https://doi.org/10.1111/ijpo.12996)
- **Loux, T.**, Huang, Y.* (2023) “The Uses of Propensity Scores in Randomized Controlled Trials.” *Observational Studies*. 9(1), 77-85. doi: [10.1353/obs.2023.0007](https://doi.org/10.1353/obs.2023.0007)
- Taylor, M.*, Weaver, N., Weaver, T., **Loux, T.**, Kutz, T. (2023) “Evaluation of Support Over Silence for KIDS: a bystander training program to address public child maltreatment.” *Journal of Family Violence*. 38, 309-320. doi: [10.1007/s10896-022-00376-8](https://doi.org/10.1007/s10896-022-00376-8)
- Teni, .M*, Sebert Kuhlmann, A.K., **Loux, T.** (2022) “Racial disparity in gestational diabetes mellitus and the association with sleep-disordered breathing and smoking cigarettes: A cross-sectional study.” *The Journal of Maternal-Fetal & Neonatal Medicine*. 35(26), 10601-10607. doi: [10.1080/14767058.2022.2139175](https://doi.org/10.1080/14767058.2022.2139175)
- Bafageeh, F.*, **Loux, T.** (2022) “The Relationship Between Types of Physical Activity and Mental Health Among U.S. Adults” *Mental Health & Prevention*. 28:200244. doi: [10.1016/j.mhp.2022.200244](https://doi.org/10.1016/j.mhp.2022.200244)
- **Loux, T.** (2022) Standardization. In: Schintler L.A., McNeely C.L. (eds) *Encyclopedia of Big Data*. Springer, Cham. doi: [10.1007/978-3-319-32010-6_454](https://doi.org/10.1007/978-3-319-32010-6_454)
- Lew, D.*, Xian, H., **Loux, T.**, Shacham, E., Scharff, D. (2022) “The longitudinal impact of maternal depression and neighborhood social context on adolescent mental health.” *Frontiers in Pediatrics*. 10:854418. doi: [10.3389/fped.2022.854418](https://doi.org/10.3389/fped.2022.854418)
- Muthukrishnan, M., **Loux, T.**, Shacham, E., Tiro, J., Arnold, L. (2022) “Barriers to catch-up human papillomavirus (HPV) vaccination among young adults, aged 18-35.” 29:101942. *Preventative Medicine Reports*. In press.
- Schootman, M., Wiskow, C., **Loux, T.**, Meyer, L.B., Powell, S., Gandhi, A., Lacasse, A. (2022) “Evaluation of the effectiveness of an automated sepsis predictive tool on patient outcomes.” *Journal of Critical Care*. 71. doi: [10.1016/j.jcrc.2022.154061](https://doi.org/10.1016/j.jcrc.2022.154061)

- Holzer, K.*, Vaughn, M., **Loux, T.**, Mancini, M., Fern, N., Wallace, C. (2022) “Prevalence and correlates of antisocial personality disorder in older adults.” *Aging and Mental Health*. 26(1), 169-178. doi: [10.1080/13607863.2020.1839867](https://doi.org/10.1080/13607863.2020.1839867)
- Chiu, Y., Neel, A., **Loux, T.** (2021) “Exploring the acoustic perceptual relationship of speech in Parkinson’s disease.” *Journal of Speech, Language, and Hearing Research*. 64(5), 1560-1570. doi: [10.1044/2021_JSLHR-20-00610](https://doi.org/10.1044/2021_JSLHR-20-00610)
- Rebmann, T., **Loux, T.M.**, Arnold, L., Charney, R., Horton, D., Gomel, A. (2021) “SARS-CoV-2 Transmission to Masked and Unmasked Close Contacts of University Students with COVID-19 — St. Louis, Missouri, January–May 2021.” *Morbidity and Mortality Weekly Report*. 70(36), 1245-1248. doi: [10.15585/mmwr.mm7036a3](https://doi.org/10.15585/mmwr.mm7036a3)
- **Loux, T.**, Davy, O.* (2021) “Adjusting Published Estimates for Exploratory Biases Using the Truncated Normal Distribution.” *The American Statistician*. 75(3), 294-299. doi: [10.1080/00031305.2020.1775700](https://doi.org/10.1080/00031305.2020.1775700)
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- Peters Bergquist, E.*, Trolard, A., Sebert Kuhlmann, A., **Loux, T.**, Liang, S.Y., Stoner, B.P., Reno, H. (2020) “Undertreatment of Chlamydia and Gonorrhea among Pregnant Women in the Emergency Department.” *International Journal of STD & AIDS*. 31(2), 166-173. doi: [10.1177/0956462419880379](https://doi.org/10.1177/0956462419880379)
- Lew, D.*, Xian, H., **Loux, T.**, Qian, Z., Vaughn, M. (2020) “Short Sleep Duration and Latent Classes of Risk Profiles Among Adolescents” *Health Behavior & Policy Review*. 7(1), 27-37. doi: [10.14485/HBPR.7.1.4](https://doi.org/10.14485/HBPR.7.1.4)
- Peters Bergquist, E.*, Trolard, A., Sebert Kuhlmann, A., **Loux, T.**, Liang, S.Y., Stoner, B.P., Reno, H. (2020) “Single and Repeated Use of the Emergency Department for Chlamydia and Gonorrhea Care.” Submitted to *Sexually Transmitted Diseases*. 47(1), 14-18. doi: [10.1097/OLQ.0000000000001087](https://doi.org/10.1097/OLQ.0000000000001087)
- McClure, S., **Loux, T.**, Shacham, E., Gillespie, E.*, Hooks-Anderson, D. (2019) “Context matters: Construct framing in measures of physical activity engagement among African American women.” *Journal of Health Disparities Research and Practice*. 12(3), 21-34. url: <https://digitalscholarship.unlv.edu/jhdrp/vol12/iss3/2>

- Rebmann, T., Tao, D., Turner, J.A.*, **Loux, T.M.**, Srinivasan, S., and Garza, A. (2019) "Implementation and evaluation of the Value of Improved and Sustained Information Access By Library Expertise (VISIBLE) Program." *Disaster Medicine and Public Health Preparedness*. 13(5-6), 982-988. doi: [10.1017/dmp.2019.33](https://doi.org/10.1017/dmp.2019.33)
- **Loux, T.**, Nelson, E., Arnold, L.D., Shacham, E., Schootman, M. (2019) "Using multilevel regression with poststratification to obtain regional health estimates from a Facebook-recruited sample." *Annals of Epidemiology*. 39, 15-20. doi: [10.1016/j.annepidem.2019.09.005](https://doi.org/10.1016/j.annepidem.2019.09.005)
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- Chiu, Y., Forrest, K., **Loux, T.** (2019) "Relationship between F2 slope and intelligibility in Parkinson's Disease: Lexical effects and listening environment." *American Journal of Speech-Language Pathology*, 28(2S), 887-894. doi: [10.1044/2018_AJSLP-MS18-18-0098](https://doi.org/10.1044/2018_AJSLP-MS18-18-0098)
- **Loux, T.**, Gibson, A.K.* (2019) "Using Flint, MI, Lead Data in Introductory Statistics." *Teaching Statistics*, 41(3), 85-88. doi: [10.1111/test.12187](https://doi.org/10.1111/test.12187)
- Peters Bergquist, E.*, Trolard, A., Fox, B., Sebert Kuhlmann, A., **Loux, T.**, Liang, S.Y., Stoner, B.P., Reno, H. (2019) "Presenting to the Emergency Department versus Clinic-Based STD Care Locations for Testing for Chlamydia and Gonorrhea; A Spatial Exploration." *Sexually Transmitted Diseases*, 46(7), 474-479. doi: [10.1097/OLQ.0000000000001007](https://doi.org/10.1097/OLQ.0000000000001007)
- Nelson, E, **Loux, T.**, Siddiqui, S.*, Arnold, L., Schootman, M. (2019) "Obtaining contextually relevant geographic data using Facebook recruitment in public health studies." *Health and Place*, 55, 37-42. doi: [10.1016/j.healthplace.2018.11.002](https://doi.org/10.1016/j.healthplace.2018.11.002)
- Dirks-Linhorst, A., Linhorst, D., **Loux, T.** (2018) "The Role of Race in Court-Ordered Pre-trial Psychiatric Evaluations." *Journal of Ethnicity in Criminal Justice*, 16(3), 225-248. doi: [10.1080/15377938.2018.1517070](https://doi.org/10.1080/15377938.2018.1517070)
- McClure, S.M., **Loux, T.M.** (2018) "Variability in weight concern and physical activity engagement among African American adolescent girls." *Journal of Racial and Ethnic Health Disparities*, 5(6), 1365-1372. doi: [10.1007/s40615-018-0486-x](https://doi.org/10.1007/s40615-018-0486-x)
- Osazuwa-Peters, N.*, Simpson, M.*, Zhao, L.*, Adjei Boakye, E.*, Olomukoro, S.*, Vavares, M.A., **Loux, T.M.**, Schootman, M. (2018) "Suicide risks among cancer survivors in the United States." *Cancer*, 124(20), 4072-4079. doi: [10.1002/cncr.31675](https://doi.org/10.1002/cncr.31675)
- Shacham, E., **Loux, T.**, Barnidge, E.K., Lew, D.*, Pappaterra, L.* (2018) "Determinants of Organ Donation Registration in Missouri." *American Journal of Transplantation*, 18(11), 2798-2803. doi: [10.1111/ajt.15025](https://doi.org/10.1111/ajt.15025)

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- Osazuwa-Peters, N.*, Arnold, L.D., **Loux, T.M.**, Vavares, M.A., Schootman, M. (2018) “Factors associated with increased risk of suicide among survivors of head and neck cancer: a population-based analysis.” *Oral Oncology*, 81, 29-34. doi: [10.1016/j.oraloncology.2018.03.017](https://doi.org/10.1016/j.oraloncology.2018.03.017)
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SOFTWARE

Student co-authors indicated by *

- **Loux, T.** (2024) tldr: Functions to Simplify Data Analysis and Reporting (Current version 0.4.0) [R package]. Available from <https://CRAN.R-project.org/package=tldr>. First CRAN submission 2021.
- **Loux, T.**, Wiskow, C.* (2022) paramhetero: Numeric and Visual Comparisons of Heterogeneity in Parametric Models (Current version 1.2.0) [R package]. Available from <https://CRAN.R-project.org/package=paramhetero>. First CRAN submission 2019.

- **Loux, T.M.** (2024) PropScrRand: Propensity score methods for assigning treatment in randomized trials (Current version 1.1.2) [R package]. Available from <https://CRAN.R-project.org/package=PropScrRand>. First CRAN submission 2013.

RESEARCH GRANTS & OTHER FUNDING

Current

- 1R01MH125820: Can the Medicare Quality Payment Program Incentivize Evidence-Based Treatment of Depression and Anxiety Disorders by Primary Care Providers?
9/7/2021 - 6/30/2025
Role: Co-Investigator (PI: Dr. Kenton Johnston)
Funding: National Institute of Mental Health
The goals of this project are to evaluate the impact of Medicare payment program on patient access to evidence-based treatment for depression and anxiety disorders in the primary care setting and to assess quality of care for Medicare beneficiaries with these conditions.

Completed

- 1R21AG065526: The Effect of Patient Dementia on Outpatient Clinicians' Performance on Cost Outcomes Under Medicare Value-Based Payment
9/15/2020 - 5/31/2022
Role: Co-Investigator (PI: Dr. Kenton Johnston)
Funding: National Institute on Aging
The goals of this project are to: (1) validate the adequacy of claims-based measures of dementia; (2) evaluate the performance of a claims-based costs of care model that includes dementia by adding it to the standard CMSHCC risk model; and (3) demonstrate the effects of our new model versus the standard CMS-HCC model on clinicians' relative performance on cost measures in MIPS and the program more broadly.
- 5R01DA033411: Exercise: Addressing Stress in Relapse Prevention for Substance Use Disorders
9/19/2016 - 3/31/2019
Role: Co-Investigator (PIs: Dr. Jeremiah Weinstock and Dr. Patrick Lustman)
Funding: National Institute on Drug Abuse
The purpose of this study is to implement a randomized clinical trial examining exercise as a relapse prevention strategy for substance use disorders.
Approx amount: \$1,200,000
- Exposure and Preparedness for Natural and Man-Made Radiological Events
3/1/2018 - 2/28/2019
Role: Co-Investigator (PI: Dr. Terri Rebmam)
Funding: Institute of Clinical and Translational Sciences at Washington University
The primary purpose of the proposed study is to determine baseline radiation exposure levels for first responders in the St. Louis region both inside and outside of the St Louis West Lake Landfill geographical area and compare firefighters' exposure rates to those of emergency medical services (EMS) personnel.
Approx amount requested: \$50,000
- St. Louis MetroMarket: Evaluating a Social Entrepreneurship Model to Increase Access to Healthy Food Options in St. Louis Food Deserts
7/1/2016 - 5/31/2017
Role: Co-Investigator (PI: Dr. Enbal Shacham)
Funding: Saint Louis University College for Public Health and Social Justice (internal)
The purpose of this study is to monitor fruit and vegetable intake from MetroMarket customers at

baseline and 3 and 6 months after MetroMarket begins its service.
Approx amount: \$9,700

- Parental Perspectives and Involvement During Behavioral Intervention Planning: Is Parental Involvement Necessary to Enhance Treatment Adherence?
7/1/2016 - 5/31/2017
Role: Co-Investigator (PI: Dr. Alyssa Wilson)
Funding: Saint Louis University College for Public Health and Social Justice (internal)
This project will investigate the effect of parental involvement in behavioral intervention planning for children with autism.
Approx amount: \$10,000
- Measuring sleep and body temperature among adults with Multiple Sclerosis
6/1/2016 - 5/31/2017
Role: Co-Investigator (PI: Dr. Rebecca Lorenz)
Funding: Saint Louis University Health Sciences Research Grant (internal)
The purpose of this project is to measure ambient room and body temperature of Multiple Sclerosis patients while they are sleeping in order to assess the association between ambient room temperature, true body temperature, perceived body temperature, and reported difficulty sleeping.
Approx amount: \$3,500
- The Value of Improved and Sustained Information access By Library Expertise (VISIBLE) in Missouri
9/30/2015 - 9/29/2016
Role: Co-Investigator (PI: Dr. Terri Rebmann)
Funding: National Library of Medicine
The purposes of the VISIBLE project are to increase awareness and knowledge of NLM resources among emergency responders and reference librarians through a train-the-trainer format, and evaluate the impact of this education on individual competence.
Approx amount: \$19,500
- Assessment of Electronic Patient Care Software Usability
7/1/2015 - 9/15/2015
Role: Co-Investigator (PI: Dr. Alex Garza)
Funding: National Association of Emergency Medical Technicians
The purpose of this project is to compare the usability of the most common electronic patient care software among EMTs.
Approx amount: \$8,900
- Post-Doctoral Career Development Award
1/1/2014 - 12/31/2014
Role: Principal Investigator
American Statistical Association Biometrics Section
Funding to attend Johns Hopkins School of Public Health Summer Institute in Mental Health Research
Approx amount: \$3,000

PRESENTATIONS

Invited Presentations

- Dental Insurance and Out-of-Pocket Dental Expenses. Saint Louis University Advanced Health Data (AHEAD) Institute, St. Louis, MO, October 10, 2023.
- Adjusting Published Estimates for Exploratory Biases Using the Truncated Normal Distribution. University of Massachusetts Amherst, Amherst, MA, November 22, 2021.

- Estimating Local Health Outcomes from Internet Non-Probability Samples. Southern Illinois University - Edwardsville, Edwardsville, IL, December 6, 2019.
- Fool's Gold: Impediments to Causal Inference in Randomized Trials. VA St. Louis Health Care System, St. Louis MO, May 14, 2019.
- Fool's Gold: Impediments to Causal Inference in Randomized Trials. Indiana University School of Public Health at Bloomington, Bloomington, IN, April 1, 2019.
- Causal Inference in Health Inequity Research: Defining the Question and Role of Covariates. American College of Epidemiology 2018 Annual Meeting Minority Affairs Committee Workshop: The Role of Equity in Shaping Precision Public Health, Cincinnati, OH, September 22, 2018.
- More than Average: Measuring Heterogeneous Treatment Effects. Saint Louis University College for Public Health and Social Justice Advanced and Innovative Methods Speaker Series, St. Louis, MO, March 24, 2016.
- Propensity-Biased Treatment Allocation in Trials with Staggered Entry. VA St. Louis Health Care System, St. Louis MO, November 12, 2013.
- Propensity-Biased Treatment Allocation in Trials with Staggered Entry. Washington University of St. Louis, St. Louis MO, October 22, 2013.
- Causal Inference, Propensity Scores, and Odds Ratios. UC Santa Barbara, Santa Barbara CA, April 11, 2012.

Contributed Presentations

- The Potential of Collecting Data on Student Sleep Habits (Poster). US Conference on Teaching Statistics (USCOTS), Virtual, June 29, 2021.
- Multilevel Regression with Poststratification for Local Estimation: An Example and Lessons Learned. Conference on Statistical Practice, Sacramento, CA, February 21, 2020.
- Data Ethics for Health Sciences (Roundtable organizer). Joint Statistical Meetings, Denver, CO, July 31, 2019.
- Imputing and analyzing missing data with mice. St. Louis R Users Group, St. Louis, MO, February 8, 2018.
- Statistically valid exploratory analysis of treatment effect heterogeneity (Poster). ICTS Advancing Precision Medicine through Translational Genomics Symposium, St. Louis, MO, January 16, 2018.
- Adjusting Published Estimates for Exploratory Biases using the Truncated Normal Distribution. Joint Statistical Meetings, Chicago, IL, August 2, 2016.
- Propensity Scores in the Design and Analysis of Randomized Experiments (Poster). Atlantic Causal Inference Conference, Philadelphia, PA, May 20, 2015.
- Propensity-Biased Treatment Allocation in Trials with Staggered Entry. IMS 14th Meeting of New Researchers in Statistics and Probability, UC San Diego, San Diego CA, July 26, 2012.
- Estimation of the Marginal Odds Ratio in Observational Studies. WNAR/ IMS Annual Meeting, San Luis Obispo CA, June 20, 2011.
- Marginal, Crude and Conditional Odds Ratios: Definitions and Estimation. Sacramento Statistical Association Institute on Research and Statistics, Sacramento, CA, April 1, 2010.

TEACHING EXPERIENCE

Saint Louis University (2013 - present)

- BST 3100: Applied Biostatistics I
- BST 4100/5020: Theory of Biostatistics I
- BST 5000: Principles of Biostatistics
- BST 5100: Introduction to General Linear Modeling
- BST 6100: Introduction to Causal Inference
- PHS 6010: Design and Analysis in Public Health
- PHS 6900: Professional Development
- PUBH 5040: Generating Evidence from Public Health Data
- CPP 2: Quantitative Reasoning (SLU Prison Education Program)

UC Santa Barbara (2011 - 2013)

- PSTAT 5E: Statistics with Economics and Business Applications
- PSTAT 120A: Probability and Statistics
- PSTAT 123: Sampling Techniques

Sacramento City College (2010 - 2011)

- MATH 170: Intermediate Algebra Review
- STAT 300: Introductory Statistics

UC Davis (2008 - 2011)

- STA 10: Statistical Thinking
- STA 13: Elementary Statistics
- STA 32: Basic Statistical Analysis through Computers
- STA 103: Applied Statistics for Business and Economics
- STA 120: Probability and Random Variables for Engineers

STUDENT MENTORING

Master's Students

- Noel Raybon, GRA mentor (Health Management and Policy, 2023-present)
- Morgan Matusik, GRA mentor (Biostatistics, 2020-2022)
- Cara Wiskow, GRA mentor (Biostatistics, 2018-2020)
- Orlando Davy, GRA mentor (Biostatistics, 2015-2017)
- Daphne Lew, GRA mentor (Biostatistics, 2014-2016)

Doctoral Students

PHS: Public Health Studies with named concentration.

- Yi Huang, doctoral committee **chair** (PHS Biostatistics, current)
- Firas Bafageeh, doctoral committee **chair** (PHS Biostatistics, current)
- Orlando Davy, doctoral committee **chair** (PHS Biostatistics, current)
- Saad Siddiqui, doctoral committee **co-chair** (PHS Epidemiology, current)
- Meghan Taylor, doctoral committee member (PHS Behavioral Science and Health Education, current)
- Kelly Ayres, doctoral committee member (PHS Biostatistics, current)
- Geoffrey Kangogo, doctoral committee member (PHS Epidemiology, 2024)
- Dajun Tian, doctoral committee **chair** (PHS Biostatistics, 2023)
- Mintesnot Teni, doctoral committee member (PHS Behavioral Science and Health Education, 2023)
- Noor Al-Hammadi, doctoral committee **co-chair** (Health Outcomes, 2022)
- Yan Xie, doctoral committee member (PHS Biostatistics, 2022)
- Steven Scroggins, doctoral committee member (PHS Behavioral Science and Health Education, 2022)
- Florida Uzoaru, doctoral committee **chair** (PHS Behavioral Science and Health Education, 2021)
- Tyler Glassford, doctoral committee member (Social Work, 2020)
- Meera Muthukrishnan, doctoral committee member (PHS Epidemiology, 2020)
- Daphne Lew, doctoral committee member (PHS Biostatistics, 2020)
- Katie Holzer, doctoral committee member (Social Work, 2020)
- Eleanor Peters Bergquist, doctoral committee member (PHS Behavioral Science and Health Education, 2019)
- Austin Turner, doctoral committee member (PHS Biosecurity and Disaster Preparedness, 2019)
- Jason Carbone, doctoral committee member (Social Work, 2019)
- Sarah Underwood, doctoral committee member (Social Work, 2018)
- Nosayaba Osazuwa-Peters, doctoral committee member (PHS Epidemiology, 2018)
- Kristen Kremer, doctoral committee member (Social Work, 2018)
- Shahida Rice, doctoral committee member (PHS Health Management and Policy - Policy Track, 2015)

DEPARTMENTAL & UNIVERSITY SERVICE

- SLU Faculty Senate Professional Relations Committee. 2023 - present.
- SLU Academic Program Review Council. 2022 - present.
- CPHSJ Faculty Assembly President. 2022 - present.
- EPI/BST Department Advising Committee. 2020 - present.
- CPHSJ Building Committee. 2022 - 2023.
- SLU Academic Strategic Planning Committee. 2022 - 2023.
- SLU Institutional Review Board Alternate Reviewer. 2019 - present.
- CPHSJ Research Advisory Council. 2017 - 2019, 2020 - 2021.
- CPHSJ Doctoral Steering Committee. 2018 - 2020.
- EPI/BST Department Admissions Committee. 2017 - 2020.
- SLU IT Advisory Board. 2018 - 2019.
- CPHSJ MPH Steering Committee. 2017 - 2019.
- CPHSJ MPH Curriculum Reinvention Task Force. 2017 - 2018.
- CPHSJ Faculty Council Secretary, 2016 - 2017.
- Biostatistics Department MPH Admissions Coordinator. 2015 - 2017.
- CPHSJ Pedagogy Committee. 2014 - 2016.
- Organizer, Doctoral R Programming Seminar. 2014 - 2016.
- CPHSJ Committee on Faculty Workload Policy. 2014 - 2016.

PROFESSIONAL SERVICE

- St. Louis Chapter of the American Statistical Association, 2023.
 - Treasurer, 2023
 - President, 2022
 - Vice President, 2021 - 2021
- Resource Review Editor, American Statistical Association Section for Teaching Statistics in the Health Sciences, 2020-2021. Reviews: [1](#) [2](#) [3](#)
- Consulting statistical editor, *Journal of Cardiac Failure*, 2015 - 2020 (>200 manuscripts).
- Reviewer: *Statistical Methods in Medical Research* (9 manuscripts); *Journal of Statistics and Data Science Education* (5); *AIMS Public Health* (1); *American Journal of Public Health* (1); *The American Statistician* (1); *BMC Medical Research Methodology* (1); *BMJ Open* (1); *Journal of Nonparametric Statistics* (1); *Studies in Higher Education* (1); *Teaching Statistics* (1); *Trials* (1); *Youth & Society* (1).

CONSULTING EXPERIENCE

- Catholic Health Initiatives, Omaha, NE (with Dr. Kimberly Enard). 2022-2023.
- U.S. Center for Sports Medicine, St. Louis, MO. 2021.
- SEMO Rx Pharmacy (with Dr. Ellen Barnidge). 2020.
- Mid-American Transplant, St. Louis, MO. 2017.
- Regional Justice Information Service (REJIS) Commission, St Louis, MO. 2015-2016.
- Sierra Research Laboratories, Modesto, CA. 2012 - 2016.

PROFESSIONAL DEVELOPMENT

- Introduction to Online Teaching Seminar. Reinert Center for Transformative Teaching and Learning. Saint Louis University, April 20 - May 15, 2020.
- “Mentoring for Mission in Teaching.” Saint Louis University, January 2019 - November 2019.
- “Writing/Designing Winning NIH Proposals.” Grant Training Center. Washington University of St. Louis, June 13, 2017.
- “TIER Faculty Development Workshop.” Project TIER. Haverford College, November 18-19, 2016.
- “Evaluation of Mental Health Service Systems.” Presenter: Christine Walrath. Johns Hopkins School of Public Health Summer Institute in Mental Health Research, June 13, 2014.
- Online Teaching and Learning Institute. Reinert Center for Transformative Teaching and Learning. Saint Louis University, June 2-5, 2014.
- IMS 14th Meeting of New Researchers in Statistics and Probability. UC San Diego, July 26-28, 2012.
- “Student Engagement: Mission Possible.” Center for Excellence in Teaching and Learning TA Consultant Workshop Series. UC Davis, Winter 2011.
- “Become a Catalyst for Change in Statistics Education.” Presenters: Bob delMas, Joan Garfield, John Holcomb, Andy Zieffler. Preceding JMM 2010 in San Francisco CA.

PROFESSIONAL AFFILIATIONS

- American Statistical Association
 - Chapters: St. Louis
 - Sections: Biometrics, Mental Health, Statistics in Epidemiology, Teaching Statistics in the Health Sciences

AWARDS AND HONORS

- Dr. Terry Leet Teaching Award. Saint Louis University College for Public Health and Social Justice. 2018-2019 academic year.
- Runner-Up, Student Paper Competition Best Oral Presentation. WNAAR/ IMS Annual Meeting, San Luis Obispo CA, June 19-22, 2011. Cash award.
- TA Appreciation Award. UC Davis Statistics Club. 2011.