

Kimberly A. Hochstedler Webb

Curriculum Vitae



Website: kimhwebb.com

Email: kimberlywebb@pitt.edu

Office Phone: 412-383-4862

Center for Biostatistics & Qualitative Methodology (CBQM)
Division of General Internal Medicine
University of Pittsburgh

CV Updated: 09/03/2025

EDUCATION

- | | |
|-------------|--|
| 2020 - 2024 | PhD in Statistics <i>Cornell University, Ithaca, NY</i> Dissertation: "Estimation methods in the presence of outcome and mediator misclassification" Advisor: Martin Wells, PhD |
| 2020 - 2022 | M.S. in Statistics <i>Cornell University, Ithaca, NY</i> |
| 2018 - 2020 | M.S. in Biostatistics <i>University of Michigan, Ann Arbor, MI</i> |
| 2014 - 2018 | B.S. in Statistics and Psychology <i>Carnegie Mellon University, Pittsburgh, PA</i> Awarded with University and College Honors, <i>Phi Beta Kappa</i> Senior Thesis: "Self-Disclosure among Emerging Adults with Depression and/or Anxiety" Advisor: Vicki Helgeson, PhD |

PROFESSIONAL EXPERIENCE

- | | |
|----------------|---|
| 2024 - Present | Assistant Professor of Medicine <i>University of Pittsburgh, Department of Medicine, Division of General Internal Medicine</i> |
| 2023 - 2024 | Graduate Research Assistant <i>Cornell University, Department of Statistics and Data Science</i> |

| | |
|-------------|--|
| 2021 - 2022 | Graduate Research Assistant <i>Cornell University, Department of Psychology</i> |
| 2018 - 2020 | Graduate Student Research Assistant <i>University of Michigan, Department of Radiation Oncology, Michigan Radiation Oncology Quality Consortium</i> |
| 2017 | Summer Intern <i>National Institute of Child Health and Human Development, Epidemiology Branch</i> |
| 2015 - 2018 | Undergraduate Research Assistant <i>Carnegie Mellon University, Department of Psychology, Gender, Relationships, and Health Lab</i> |

RESEARCH AND TRAVEL GRANTS

| | |
|-------------|--|
| 2025 | Travel Grant (Association for Women in Mathematics and the National Science Foundation; \$2,300) |
| 2024 | Conference Travel Award (Women in Statistics and Data Science Conference; \$200) |
| 2024 | Do-Bui Travel Award (Caucus for Women in Statistics and Data Science; \$500) |
| 2024 | Conference Travel Grant (Cornell University; \$300) |
| 2023 | Belonging at Cornell Mini-Grant (Presidential Advisors on Diversity and Equity, Cornell University; \$1,000) |
| 2023 | Conference Travel Grant (Cornell University; \$400) |
| 2022 - 2023 | LinkedIn PhD Award (Cornell University Bowers CIS Strategic Partnership Program with LinkedIn; funding for tuition, \$35,000 stipend, and \$5,000 discretionary funds) |
| 2020 | Conference Travel Award (University of Michigan; \$800) |
| 2018 | Conference Travel Award (Carnegie Mellon University; \$250) |
| 2017 | Small Undergraduate Research Grant, awarded twice (Carnegie Mellon University; \$500 each) |
| 2016 | Summer Undergraduate Research Fellowship (Carnegie Mellon University; \$3,500) |
| 2016 | Conference Travel Award (Carnegie Mellon University; \$250) |

CURRENT GRANT SUPPORT

| | |
|-----------|--|
| 2025-2030 | Co-Investigator, "Buprenorphine Treatment Engagement and Induction Problems Among Individuals Using Fentanyl" PI: Erin Winstanley, PhD <i>National Institute on Drug Abuse (NIDA), National Institutes of Health (NIH)</i> |
| 2024-2029 | Co-Investigator, "Getting to Implementation: Comparing the Effectiveness of Implementation Strategies to Improve Cancer Screening for Veterans" |

| | |
|-----------|--|
| | PI: Shari Rogal, MD, MPH <i>Patient-Centered Outcomes Research Institute (PCORI)</i> |
| 2024-2029 | Co-Investigator, "University of Pittsburgh Health Promotion and Disease Prevention Research Center" PI: Shari Rogal, MD, MPH <i>Centers for Disease Control and Prevention (CDC)</i> |
| 2024-2025 | Co-Investigator, "Evaluating the Impact of PAServes on Receipt of Veteran Benefits, VHA Healthcare Use, and Associated Healthcare Costs" PI: Leslie Hausmann, PhD <i>The Heinz Endowment</i> |
| 2024-2025 | Co-Investigator, "A Phase IIb Randomized, Double-Blind, Placebo-Controlled Multi-Center Study to Assess the Safety, Tolerability, and Efficacy of Riociguat in Patients with Sickle Cell Disease " PI: Kaleab Abebe, PhD <i>Bayer Healthcare Pharmaceuticals, Inc.</i> |

HONORS AND AWARDS

| | |
|-------------|---|
| 2024 | Gertrude M. Cox Scholarship (American Statistical Association and Caucus for Women in Statistics and Data Science; \$1,000) |
| 2023 - 2024 | Center for Teaching Innovation Senior Lead Graduate Teaching Fellowship (Cornell University; \$2,000) |
| 2023 | Graduate Diversity & Inclusion Distinguished Award for Exemplary Service - Advanced Career Student (Cornell University) |
| 2023 | Three Minute Thesis Competition Co-First Place Winner (Cornell University; \$1,500) |
| 2023 | Distinguished Student Paper Award (Eastern North America Region, International Biometric Society; \$650) |
| 2022 - 2023 | Center for Teaching Innovation Lead Graduate Teaching Fellowship (Cornell University; \$2,000) |
| 2021 - 2022 | Center for Teaching Innovation Graduate Teaching Fellowship (Cornell University; \$2,000) |
| 2020 - 2021 | Outstanding Graduate Teaching Assistant (Cornell University Department of Statistics and Data Science; \$100) |
| 2019 | Richard G. Cornell Fellowship for Outstanding Academic Performance in the Department of Biostatistics (University of Michigan; \$500) |
| 2014 - 2018 | Dean's List (Carnegie Mellon University) |
| 2018 | NCAA Woman of the Year Nominee |
| 2018 | NCAA Post-Graduate Scholarship (\$7,500) |
| 2018 | First Prize in the Department of Psychology Oral Presentation Competition at Meeting of the Minds (Carnegie Mellon University; \$250) |
| 2018 | Judith A. Resnik Award (Carnegie Mellon University; \$1,000) |

| | |
|------|---|
| 2018 | Dr. William Brown Academic Athletic Achievement Award (Carnegie Mellon University) |
| 2018 | Gretchen Goldsmith Lankford Award (Carnegie Mellon University; \$2,500) |
| 2018 | Carnegie Mellon Women's Association Scholarship Winner (\$1,000) |
| 2017 | Andrew Carnegie Society Scholar (Carnegie Mellon University; \$1,500) |
| 2017 | Dietrich College Senior Honors Program (Carnegie Mellon University) |
| 2017 | Top Presenter Award in the Statistical Graphics and Visualization Poster Session (Carnegie Mellon University) |
| 2017 | First Prize in the Department of Psychology Poster Presentation Competition at Meeting of the Minds (Carnegie Mellon University; \$200) |
| 2017 | First Prize in the Department of Statistics Poster Presentation Competition at Meeting of the Minds (Carnegie Mellon University; \$500) |
| 2014 | National Merit Scholarship Finalist |
| 2014 | Science and Humanities Scholars Program (Carnegie Mellon University) |

PUBLICATIONS

* First authors contributed equally, # Primary investigators contributed equally

Peer Reviewed Manuscripts

- [1] **Webb, K. A. H.**, Riley, S. A., and Wells, M. T., "An assessment of racial disparities in pretrial decision-making using misclassification models," *Journal of Empirical Legal Studies (In press)*, 2025.
- [2] **Webb, K. A. H.** and Wells, M. T., "Effect estimation in the presence of a misclassified binary mediator," *Statistical Methods in Medical Research*, vol. 0, no. 0, 2025. DOI: [10.1177/09622802251316970](https://doi.org/10.1177/09622802251316970).
- [3] **Webb, K. A. H.** and Wells, M. T., "Statistical inference for association studies in the presence of binary outcome misclassification," *Statistics in Medicine*, vol. 44, no. 5, pp. 1–21, Feb. 2025. DOI: [10.1002/sim.10316](https://doi.org/10.1002/sim.10316).
- [4] Ramanathan, S., **Hochstedler, K. A.**, Laucis, A. M., Movsas, B., Stevens, C. W., Kestin, L. L., Dominello, M. M., Grills, I. S., Matuszak, M., Hayman, J., *et al.*, "Predictors of early hospice or death in patients with inoperable lung cancer treated with curative intent," *Clinical Lung Cancer*, 2023.
- [5] Wilkie, J. R., **Hochstedler, K. A.**, Schipper, M. J., Matuszak, M. M., Paximadis, P., Dominello, M. M., Grills, I., Hayman, J. A., Dess, R., Dragovic, A. F., Jagsi, R., Pierce, L. J., Spratt, D. E., Bergsma, D., Boike, T. P., Movsas, B., and Jolly, S., "Association between physician- and patient-reported symptoms in patients treated with definitive radiation therapy for locally advanced lung cancer in a statewide consortium," *International Journal of Radiation Oncology*Biophysics*Physics*, vol. 112, no. 4, pp. 942–950, 2022, ISSN: 0360-3016. DOI: <https://doi.org/10.1016/j.ijrobp.2021.11.024>. [Online]. Available: <https://www.sciencedirect.com/science/article/pii/S0360301621032223>.

- [6] Herr, D. J., **Hochstedler, K. A.**, Yin, H., Dess, R. T., Matuszak, M., Grubb, M., Dominello, M., Movsas, B., Kestin, L. L., Bergsma, D., Dragovic, A. F., Grills, I. S., Hayman, J. A., Paximadis, P., Schipper, M., and Jolly, S., "Effect of education and standardization of cardiac dose constraints on heart dose in patients with lung cancer receiving definitive radiation therapy across a statewide consortium," *Practical Radiation Oncology*, vol. 12, e376–e381, 5 2022, ISSN: 1879-8500. DOI: <https://doi.org/10.1016/j.prro.2022.01.002>.
- [7] Laucis, A. M. B., **Hochstedler, K. A.**, Schipper, M. J., Paximadis, P. A., Boike, T. P., Bergsma, D. P., Movsas, B., Kretzler, A., Spratt, D. E., Dess, R. T., Mietzel, M. A., Dominello, M. M., Matuszak, M. M., Jagsi, R., Hayman, J. A., Pierce, L. J., and Jolly, S., "Racial differences in treatments and toxicity in patients with non-small-cell lung cancer treated with thoracic radiation therapy," *JCO Oncology Practice*, vol. 18, no. 6, e1034–e1044, 2022. DOI: [10.1200/JOP.21.00224](https://doi.org/10.1200/JOP.21.00224).
- [8] *McFarlane, M. R., ***Hochstedler, K. A.**, Laucis, A. M., Sun, Y., Chowdhury, A., Matuszak, M. M., Hayman, J., Bergsma, D., Boike, T., Kestin, L., Movsas, B., Grills, I., Dominello, M., Dess, R. T., Schonewolf, C., Spratt, D. E., Pierce, L., Paximadis, P., Jolly, S., and Schipper, M., "Predictors of pneumonitis after conventionally fractionated radiotherapy for locally advanced lung cancer," *International Journal of Radiation Oncology*Biophysics*, vol. 111, no. 5, pp. 1176–1185, 2021, ISSN: 0360-3016. DOI: <https://doi.org/10.1016/j.ijrobp.2021.07.1691>.
- [9] Hartman, H. E., Yilun, S., Devasia, T., Chase, E., Jairath, N., Dess, R. T., Jackson, W. C., Morris, E., Li, P., **Hochstedler, K. A.**, Abbott, M., Kidwell, K. M., Walter, V., Wang, M., Wang, X., Zaorsky, N., #Schipper, M. J., and #Spratt, D. E., "Integrated Survival Estimates from Cancer Treatment Delay during the COVID-19 Pandemic," *JAMA Oncology*, vol. 6, pp. 1881–1889, Dec. 2020. DOI: [10.1001/jamaoncol.2020.5403](https://doi.org/10.1001/jamaoncol.2020.5403).
- [10] *Fang, F., ***Hochstedler, K. A.**, Tamura, R., Braun, T. M., and Kidwell, K. M., "Bayesian Methods to Compare Dose Levels to Placebo in a Small n Sequential Multiple Assignment Randomized Trial (snSMART)," *Statistics in Medicine*, vol. 40, no. 4, pp. 963–977, Nov. 2020. DOI: [10.1002/sim.8813](https://doi.org/10.1002/sim.8813).
- [11] **Hochstedler, K. A.**, Bell, G., Park, H., Ghassabian, A., Bell, E. M., Sundaram, R., Grantz, K. L., and Yeung, E. H., "Gestational Age at Birth and Risk of Developmental Delay: The Upstate KIDS Study," *American Journal of Perinatology*, pp. 1–8, Mar. 2020. DOI: [10.1055/s-0040-1702937](https://doi.org/10.1055/s-0040-1702937).

Preprints

- [1] **Webb, K. A. H.** and Wells, M. T., "COMBO and COMMA: R packages for regression modeling and inference in the presence of misclassified binary mediator or outcome variables," 2025. arXiv: [2501.08320](https://arxiv.org/abs/2501.08320) [stat.CO]. [Online]. Available: <https://arxiv.org/abs/2501.08320>.

In Preparation

- [1] **Webb, K. A. H.** and Wells, M. T., "Regression methods for misclassified binary mediator and outcome variables,"
- [2] Kent, D. J. and **Webb, K. A. H.**, "A penalized likelihood approach for generalized linear models with nominal categorical outcome misclassification,"

Blogs and Other Writing

- [1] *Beary, A. and *Webb, K. A. H., *Bringing the graduate community together: The 2024 university-wide teaching conference*, A Teaching and Learning Blog from Cornell University's Center for Teaching Innovation, Sep. 2024. [Online]. Available: <https://blogs.cornell.edu/teaching/2024/09/10/bringing-the-graduate-community-together-the-2024-university-wide-teaching-conference/>.
-

PRESENTATIONS

Invited

- [1] Webb, K. A. H., *Nobody's (data is) perfect: How misclassified data biases study results, and what to do about it*, University of Colorado Anschutz Medical Campus, Biostatistics Seminar Series, Virtual, Oct. 2025.
- [2] Webb, K. A. H. and Wells, M. T., *The misdiagnosed mediator: Estimating the effect of maternal age on preterm birth risk in the presence of misclassified gestational hypertension*, Invited Session at the International Day of Women in Statistics and Data Science (IDWSDS), Virtual, Oct. 2025.
- [3] Webb, K. A. H. and Wells, M. T., *The misdiagnosed mediator: Estimating the effect of maternal age on preterm birth risk in the presence of misclassified gestational hypertension*, Topic-Contributed Session at the Joint Statistical Meetings (JSM), Nashville, TN, Aug. 2025.
- [4] Webb, K. A. H., *Nobody's (data is) perfect: How misclassified data biases study results, and what to do about it*, University of Pittsburgh Health Services Research Seminar Series, Pittsburgh, PA, Apr. 2025.
- [5] Webb, K. A. H. and Wells, M. T., *Effect estimation in the presence of a misclassified binary mediator*, Women in Statistics and Data Science Conference, Reston, VA, Oct. 2024.
- [6] Webb, K. A. H., *Statistical inference for association studies with binary outcome misclassification: Implications for disparities and fairness research*, University of Pittsburgh, Department of Statistics Seminar Series, Pittsburgh, PA, Dec. 2023.
- [7] Webb, K. A. H., *Modeling misdiagnosis in biomedical and public health association studies: Implications for health disparities research*, University of Pittsburgh Health Services Research Seminar Series, Pittsburgh, PA, Dec. 2023.
- [8] Webb, K. A. H., *Nobody's (data is) perfect: How misclassified data biases our understanding of the world, and what to do about it*, Johns Hopkins University, Department of Biostatistics Seminar Series, Baltimore, MD, Nov. 2023.
- [9] Webb, K. A. H., *Nobody's (data is) perfect: How misclassified data biases our understanding of the world, and what to do about it*, Carleton College Math/Stats Colloquium Series, Northfield, MN, Nov. 2023.
- [10] Hochstedler, K. A. and Wells, M. T., *A correction for binary outcome misclassification (noisy labels)*, LinkedIn and Bowers CIS Strategic Partnership Retreat, Ithaca, NY, May 2023.
- [11] Hochstedler, K. A., *Developing your professional website*, Cornell University Center for Teaching Innovation, Active Learning Institute, Ithaca, NY, Mar. 2023.

Contributed

- [1] **Webb, K. A. H.**, Riley, S. A., and Wells, M. T., *An assessment of racial disparities in pretrial decision-making using misclassification models*, Eastern North American Region (ENAR) International Biometric Society, New Orleans, LA, Mar. 2025.
- [2] **Webb, K. A. H.**, Riley, S. A., and Wells, M. T., *An assessment of racial disparities in pretrial decision-making using misclassification models*, Joint Statistical Meetings, Portland, OR, Aug. 2024.
- [3] **Webb, K. A. H.** and Wells, M. T., *Effect estimation in the presence of a misclassified binary mediator*, Eastern North American Region (ENAR) International Biometric Society, Baltimore, MD, Mar. 2024.
- [4] **Webb, K. A. H.**, *Nobody's (data is) perfect: How misclassified data biases our understanding of the world, and what to do about it*, Cornell University Statistics Graduate Society Student Seminar Series, Ithaca, NY, Nov. 2023.
- [5] **Hochstedler, K. A.** and Wells, M. T., *Statistical inference for association studies in the presence of binary outcome misclassification*, Eastern North American Region (ENAR) International Biometric Society, Nashville, TN, Mar. 2023.
- [6] **Hochstedler, K. A.**, *Statistical inference for association studies in the presence of binary outcome misclassification*, Cornell University Statistics Graduate Society Student Seminar Series, Ithaca, NY, Oct. 2022.
- [7] **Hochstedler, K. A.**, Fang, F., Tamura, R., Braun, T. M., and Kidwell, K. M., *Bayesian methods to compare dose levels to placebo in a Small n Sequential Multiple Assignment Randomized Trial (snSMART)*, Eastern North American Region (ENAR) International Biometric Society, Virtual, Mar. 2020.
- [8] **Hochstedler, K. A.** and Helgeson, V., *Self-Disclosure among Emerging Adults with Depression and/or Anxiety*, Meeting of the Minds at Carnegie Mellon University, Pittsburgh, PA, May 2018.
- [9] **Hochstedler, K. A.**, *What You Say Matters: Associations between Pronoun Use, Relationships, and Health*, Science and Humanities Scholars Summer Colloquium at Carnegie Mellon University, Pittsburgh, PA, Jul. 2016.
- [10] ***Hochstedler, K. A.** and Foster, M. J., *Analysis of PROMISE*, Summer Institute for Training in Biostatistics Student Presentations, Madison, WI, Jul. 2015.

Workshops

- [1] ***Webb, K. A. H.** and ***Beary, M. A.**, *Developing your teaching portfolio*, Cornell University Center for Teaching Innovation, University-Wide Teaching Conference, Ithaca, NY, Apr. 2024.
- [2] Graef, G. and **Webb, K. A. H.**, *Refining and editing your diversity statement*, Cornell University Center for Teaching Innovation, University-Wide Teaching Conference, Ithaca, NY, Apr. 2024.
- [3] **Webb, K. A. H.**, *My efforts to not be unemployed in 2024: Lessons from the academic job search*, Cornell University Statistics Graduate Society Student Seminar Series, Ithaca, NY, Feb. 2024.
- [4] ***Gekko, C. E.**, ***Rampasso, A. S.**, and **Webb, K. A. H.**, *Essentials of teaching: Peer review*, Cornell University Center for Teaching Innovation, Essentials of Teaching Institute, Ithaca, NY, Oct. 2023.

- [5] ***Webb, K. A. H.** and ***Homant, E. J.**, *Role of TAs in cultivating an inclusive classroom*, Cornell University Center for Teaching Innovation, Essentials of Teaching Institute, Ithaca, NY, Sep. 2023.
- [6] ***Choinet, A. J.**, ***Lu, Y.**, and **Webb, K. A. H.**, *Effective grading and feedback*, Cornell University Center for Teaching Innovation, Essentials of Teaching Institute, Ithaca, NY, Sep. 2023.
- [7] **Webb, K. A. H.**, *Steps to developing a strong workshop*, Cornell University Center for Teaching Innovation, CTI Graduate Teaching Fellows Fall Retreat, Ithaca, NY, Aug. 2023.
- [8] **LeBeau, K. N.** and **Hochstedler, K. A.**, *Inclusive teaching strategies in the humanities*, Cornell University Center for Teaching Innovation, University-Wide Teaching Conference, Ithaca, NY, Apr. 2023.
- [9] ***Hochstedler, K. A.** and ***Graef, G.**, *Backward course design: Developing learning outcomes*, Cornell University Center for Teaching Innovation, Course Design Institute, Ithaca, NY, Mar. 2023.
- [10] ***Hochstedler, K. A.**, ***Beeghly, G. F.**, ***Ma, W.**, and ***Demler, C. M.**, *Course design: Peer review*, Cornell University Center for Teaching Innovation, Course Design Institute, Ithaca, NY, Mar. 2023.
- [11] **Hochstedler, K. A.**, *Developing your professional website*, Cornell University Center for Teaching Innovation, Graduate Teaching Fellowship Meeting, Ithaca, NY, Feb. 2023.
- [12] ***Hochstedler, K. A.**, ***LeBeau, K. N.**, ***Peltier, C.**, and ***Tacoma-Fogal, R.**, *Essentials of teaching: Peer review*, Cornell University Center for Teaching Innovation, Essentials of Teaching Institute, Ithaca, NY, Oct. 2022.
- [13] ***Sana, S.**, ***Hochstedler, K. A.**, and ***Lee, I.**, *Professional development tools: CVs, websites, and LinkedIn*, Cornell University Statistics Graduate Society Student Seminar Series, Ithaca, NY, Sep. 2022.
- [14] ***Hochstedler, K. A.** and ***Rampasso, A. S.**, *Supporting student learning as a TA*, Cornell University Center for Teaching Innovation, Essentials of Teaching Institute, Ithaca, NY, Sep. 2022.
- [15] ***Hochstedler, K. A.** and ***Tacoma-Fogal, R.**, *Exploring innovative teaching in STEM*, Cornell University Center for Teaching Innovation, University-Wide Teaching Conference, Ithaca, NY, Mar. 2022.
- [16] **Hochstedler, K. A.**, *R Shiny Tutorial*, Cornell University Statistics Graduate Society Student Seminar Series, Ithaca, NY, Dec. 2021.
- [17] ***Wollmuth, E. M.**, ***Pea, J.**, **Hochstedler, K. A.**, and **Ma, W.**, *Essentials of teaching: Peer review*, Cornell University Center for Teaching Innovation, Essentials of Teaching Institute, Ithaca, NY, Oct. 2021.
- [18] ***Wollmuth, E. M.** and ***Hochstedler, K. A.**, *Effective grading and feedback*, Cornell University Center for Teaching Innovation, Essentials of Teaching Institute, Ithaca, NY, Sep. 2021.

Poster

- [1] **Webb, K. A. H.** and **Wells, M.**, *Effect estimation in the presence of a misclassified binary mediator*, Cornell Celebration of Statistics and Data Science, Sep. 2023.

- [2] ***Hochstedler, K. A.** and ***Zhang, J.**, *Association of PPI and H2RA Medication use with Outcomes in Head and Neck Squamous Cell Carcinoma (HNSCC)*, Biostatistics Capstone Poster Session, Virtual, Apr. 2020.
- [3] ***Hochstedler, K. A.**, ***Jeet, Y.**, ***Kang, M.**, and ***Mahler, S.**, *Does the Timing of Rewards affect Children's Task Performance and Motivation?* Psychology Research Methods Poster Session at Carnegie Mellon University, Pittsburgh, PA, May 2018.
- [4] **Hochstedler, K. A.**, Helgeson, V. S., and Seltman, H., *Meta-Analytic Review of Pronoun Use and Health and Relationship Outcomes*, Society of Behavioral Medicine, New Orleans, LA, Apr. 2018.
- [5] ***Hochstedler, K. A.**, ***Idera, S.**, and ***Rolland, M.**, *Performance and Motivation on Tests of Emotional Intelligence: Gender Differences in Interest and Engagement*, Psychology Research Methods Poster Session at Carnegie Mellon University, Pittsburgh, PA, Dec. 2017.
- [6] **Hochstedler, K. A.**, Bell, G., Park, H., Ghassabian, A., Bell, E. M., Sundaram, R., Grantz, K. L., and Yeung, E. H., *Gestational Age at Birth and Early Childhood Development: The Upstate KIDS Study*, NIH Summer Research Program Poster Day, Bethesda, MD, Aug. 2017.
- [7] **Hochstedler, K. A.** and Helgeson, V., *Self-disclosure among Emerging Adult Survivors of Childhood Illness*, Meeting of the Minds at Carnegie Mellon University, Pittsburgh, PA, May 2017.
- [8] ***Hochstedler, K. A.**, ***Black, A.**, ***Chung, C.**, and ***Vigliotti, T.**, *What makes a Great Olympian? Analysis of the 2016 Olympics*, Statistical Graphics and Visualization Poster Session at Carnegie Mellon University, Pittsburgh, PA, Apr. 2017.
- [9] **Hochstedler, K. A.**, Helgeson, V. S., Zajdel, M., Seltman, H., Korytkowski, M., and Hausmann, L., *Relations of Couples' Communal and Noncommunal Language to Support and Self-care for People with Type 2 Diabetes*, Society of Behavioral Medicine, Washington D.C. Apr. 2016.
- [10] ***Hochstedler, K. A.**, ***Essien, I.**, and Helgeson, V. S., *Problem Solving among Dating Couples*, Meeting of the Minds at Carnegie Mellon University, Pittsburgh, PA, May 2015.

Conference Abstracts

Presenter listed as first author

- [1] Laucis, A. M., **Hochstedler, K. A.**, Boike, T. P., Movsas, B., Stevens, C. W., Kestin, L. L., Devisetty, K., Dominello, M. M., Wilkie, J. R., Grills, I. S., Matuszak, M. M., Hayman, J. A., Paximadis, P. A., Pierce, L. J., and Jolly, S., *Predictors of Early Hospice or Death in Patients with Inoperable Lung Cancer Treated with Curative Intent*, Multidisciplinary Thoracic Cancers Symposium, Scottsdale, AZ, Dec. 2020, Poster.
- [2] Herr, D., **Hochstedler, K. A.**, Dess, R. T., Matuszak, M. M., Grubb, M., Dominello, M. M., Kestin, L. L., Bergsma, D. P., Grills, I. S., Hayman, J. A., Paximadis, P. A., Schipper, M. J., and Jolly, S., *Effect of Education and Standardization of Cardiac Dose Constraints on Heart Dose in Lung Cancer Patients Receiving Definitive Radiation Therapy Across a Statewide Consortium*, Multidisciplinary Thoracic Cancers Symposium, Scottsdale, AZ, Dec. 2020, Quick Pitch.
- [3] McFarlane, M. R., **Hochstedler, K. A.**, Laucis, A. M., Sun, Y., Chowdhury, A., Matuszak, M. M., Hayman, J. A., Bergsma, D. P., Boike, T. P., Kestin, L. L., Movsas, B., Grills, I. S., Dominello, M. M., Dess, R. T., Schonewolf, C., Spratt, D. E., Pierce, L. J., Paximadis, P. A., #Schipper, M. J., and #Jolly, S., *Predictors of Pneumonitis after Lung Cancer Radiotherapy*, American Society for Radiation Oncology (ASTRO), Virtual, Oct. 2020, Quick Pitch.

- [4] Laucis, A. M., **Hochstedler, K. A.**, Schipper, M. J., Paximadis, P. A., Boike, T. P., Bergsma, D. P., Spratt, D. E., Dess, R. T., Mietzel, M. A., Dominello, M. M., Matuszak, M. M., Jagsi, R., Hayman, J. A., Pierce, L. J., and Jolly, S., *Racial Differences in Toxicity in Non-Small Cell Lung Cancer Patients Treated with Thoracic Radiation Therapy*, American Society for Radiation Oncology (ASTRO), Virtual, Oct. 2020, Poster.
- [5] Boike, T. P., **Hochstedler, K. A.**, Laucis, A. M., Movsas, B., Stevens, C. W., Kestin, L. L., Devisetty, K., Dominello, M. M., Wilkie, J. R., Grills, I. S., Matuszak, M. M., Hayman, J. A., Paximadis Peter A Pierce, L. J., and Jolly, S., *Predictors of Early Hospice or Death in Patients with Inoperable Lung Cancer Treated with Curative Intent*, American Society for Radiation Oncology (ASTRO), Virtual, Oct. 2020, Poster.
- [6] Wilkie, J., **Hochstedler, K. A.**, Schipper, M., Matuszak, M., Paximadis, P., Dominello, M., Grills, I., Hayman, J., Dess, R., Pierce, L., Spratt, D., Bergsma, D., Movsas, B., and Jolly, S., "Association between Adverse Events and Quality of Life in Patients Treated with Radiotherapy for Locally Advanced Non-Small Cell Lung Cancer," *International Journal of Radiation Oncology*Biology*Physics*, vol. 105, no. 1, Supplement, S95–S96, Sep. 2019, Proceedings of the American Society for Radiation Oncology 61st Annual Meeting, ISSN: 0360-3016. DOI: <https://doi.org/10.1016/j.ijrobp.2019.06.575>, Oral Presentation.
- [7] Jolly, S., **Hochstedler, K. A.**, Paximadis, P., Hayman, J., Dominello, M., Burmeister, J., Grills, I., Dess, R., Dragovic, A., Movsas, B., Ajlouni, M., Fraser, C., Kestin, L., Wilson, M., Bergsma, D., Spratt, D., Moran, J., Pierce, L., Schipper, M., and Matuszak, M., "Changing practice patterns in the radiation treatment delivery for locally advanced lung cancer: Results from a statewide consortium," *International Journal of Radiation Oncology*Biology*Physics*, vol. 105, no. 1, Supplement, E488, Sep. 2019, Proceedings of the American Society for Radiation Oncology 61st Annual Meeting, ISSN: 0360-3016. DOI: <https://doi.org/10.1016/j.ijrobp.2019.06.1387>, Poster.
- [8] Jaworski, E., **Hochstedler, K. A.**, Dominello, M. M., Heimbürger, D., Mancini, T., Boike, T. P., Schipper, M. J., Griffith, K., Moran, J., Pierce, L. J., Hayman, J. A., McLaughlin, P., Narayana, V., Mislmani, M., Paximadis, P. A., Jones, N., Jolly, S., Chuba, P., Dess, R. T., and Spratt, D. E., *Contemporary Practice Patterns for Intact and Post-Operative Prostate Cancer: Results from a Statewide Collaborative*, American Society for Radiation Oncology (ASTRO), Chicago, IL, Sep. 2019, Poster.
- [9] Helgeson, V. S., **Hochstedler, K. A.**, and Essien, I., *Effects of Manipulated Communal Coping on Dating Couples Coping with a Stressor*, International Association of Relationship Research, Toronto, Canada, Jul. 2016, Oral Presentation.

SOFTWARE

R Packages

- "COMMA" (<https://kimberlywebb.github.io/COMMA/>) "COMMA" (COrrecting Misclassified Mediation Analysis) provides a set of functions for mediation analysis with a misclassified binary mediator. Three different bias-correction methods are provided.
- "COMBO" (<https://kimberlywebb.github.io/COMBO/>) "COMBO" (COrrecting Misclassified Binary Outcomes) provides a set of functions for the analysis of regression models with binary outcome misclassification.

- **"rddapp"** (<https://www.felixthoemmes.com/rddapp/>): "rddapp" provides a set of functions for the analysis of the regression-discontinuity design (RDD). The main features include estimation of effects of interest, power analysis, and assumption checks.
- **"cornellcolors"** (<https://github.com/kimberlywebb/cornellcolors>): "cornellcolors" provides color palettes matching Cornell University's official branding. Additional color palettes are inspired by iconic buildings at Cornell University.
- **"carnegiecolors"** (<https://github.com/kimberlywebb/carnegiecolors>): "carnegiecolors" provides color palettes matching Carnegie Mellon University's official branding.
- **"maizeandblue"** (<https://github.com/kimberlywebb/maizeandblue>): "maizeandblue" provides color palettes matching the University of Michigan's official branding. Additional color palettes are inspired by local eateries in Ann Arbor, Michigan.
- **"pittpalette"** (<https://github.com/kimberlywebb/pittpalette>): "pittpalette" provides color palettes matching the University of Pittsburgh's official branding.
- **"lecreuset"** (<https://github.com/kimberlywebb/lecreuset>): "lecreuset" provides color palettes matching the 2024 line of Le Creuset stoneware and enameled cast iron cookware.

Web Applications

- **shinyrdd**: Application for the analysis of regression-discontinuity designs (RDDs). "shinyrdd" is deployable from within the "rddapp" R package.
- **Pneumonitis Prediction App** (<http://ppa.mroqc.org/>): Application to estimate the risk of developing pneumonitis in lung cancer patients, based on treatment and clinical characteristics. Designed to aid physicians in radiation treatment planning.
- **OncCOVID**: Application to quantify the risk of immediate vs. delayed treatment for cancer patients during the COVID-19 pandemic, based on a patient's individual characteristics, as well as on COVID-19 transmission levels in their local community.
- **Heavy-Tailed Distribution Expected Value Estimation Simulator** (<https://kimhochstedler.shinyapps.io/heavytails/>): Application that runs simulations comparing the median-of-means and empirical mean estimators in heavy-tailed distributions.
- **Tswift in an Rscript** (<https://kimhochstedler.shinyapps.io/tswizzle/>): Application to analyze Taylor Swift's top songs. Developed for a tutorial on R Shiny for beginners.

Tutorials

- **Creating a Professional Website** (https://github.com/kimberlywebb/website_template): Tutorial and template for creating your own professional website using GitHub Pages.
 - **R Shiny Tutorial**: Tutorial for creating R Shiny web applications. Includes a template for the "Tswift in an Rscript" application (<https://kimhochstedler.shinyapps.io/tswizzle/>). Materials available upon request.
-

TEACHING EXPERIENCE

| | |
|------------------------------|--|
| 2025, 2026 | <p>Small Group Facilitator (Biostatistical Review) <i>University of Pittsburgh, Institute for Clinical Research Education (ICRE)</i> Course: Advanced Grant Writing Part II</p> |
| 2024, 2025 | <p>Small Group Facilitator (Biostatistical Review) <i>University of Pittsburgh, Institute for Clinical Research Education (ICRE)</i> Course: Advanced Grant Writing Part I</p> |
| 2023 - 2024 | <p>Senior Lead Graduate Teaching Fellow <i>Cornell University, Center for Teaching Innovation</i> Responsibilities: “Lead Graduate Teaching Fellow” description plus planning the graduate student and postdoctoral scholar teaching workshop program, planning and facilitating weekly meetings with the graduate teaching fellows and advisors, coordinating quarterly newsletters.</p> |
| 2023 | <p>Advanced Graduate Teaching Cohort Co-Creator and Co-Facilitator <i>Cornell University, Center for Teaching Innovation & Presidential Advisors on Diversity and Equity</i></p> |
| 2022 - 2023 | <p>Lead Graduate Teaching Fellow <i>Cornell University, Center for Teaching Innovation</i> Responsibilities: “Graduate Teaching Fellow” description plus mentored new graduate teaching fellows in developing teaching workshops, provided teaching observations and consultations, and led meetings of the graduate teaching fellows (once per semester).</p> |
| 2021 - 2022 | <p>Graduate Teaching Fellow <i>Cornell University, Center for Teaching Innovation</i> Responsibilities: Facilitated teaching workshops, developed and coordinated a university-wide teaching conference.</p> |
| 2022 - 2023 (4 semesters) | <p>Graduate Teaching Assistant <i>Cornell University, School of Continuing Education and Summer Sessions</i> Course: Introductory Statistics Professor: Thomas DiCiccio, PhD <i>Student ratings unavailable.</i></p> |
| 2021 | <p>Graduate Teaching Assistant <i>Cornell University, Department of Statistics and Data Science</i> Course: Biological Statistics II Professor: Jeremy Entner, PhD <i>Average student rating: 4.82 / 5</i></p> |
| 2020 | <p>Graduate Teaching Assistant <i>Cornell University, Department of Statistics and Data Science</i> Course: Statistical Methods I (Graduate Level)</p> |

| | |
|-------------|--|
| | Professor: Sumanta Basu, PhD <i>Average student rating: 4.89 / 5</i> |
| 2019 - 2020 | Course Designer <i>University of Michigan, Department of Nutrition</i> Course: Hungry in America - Building Skills to Feed Communities Professors: Kate Bauer, PhD and Susan Aaronson, MA, RD |
| 2018 | Undergraduate Teaching Assistant <i>Carnegie Mellon University, Department of Psychology</i> Course: Biological Foundations of Behavior Professor: Marlene Behrmann, PhD |
| 2017 | Undergraduate Teaching Assistant <i>Carnegie Mellon University, Department of Psychology</i> Course: Social Psychology Professor: Vicki Helgeson, PhD |

PROFESSIONAL SERVICE AND LEADERSHIP

Officer Positions and Committees

| | |
|-------------|---|
| 2025 - 2027 | Committee Member, Committee on Career Development (American Statistical Association) |
| 2025 - 2026 | Communications Officer, Committee of Presidents of Statistical Societies (COPSS) |
| 2025 - 2026 | Committee Member, Program Committee (Eastern North American Region International Biometric Society, 2026 Spring Meeting) |
| 2024 - 2026 | Committee Member, Council for Emerging and New Statisticians (Eastern North American Region International Biometric Society) |
| 2024 - 2026 | Social Media Co-Chair, Council for Emerging and New Statisticians (Eastern North American Region International Biometric Society) |
| 2024, 2023 | Selection Committee Member, Graduate Teaching Fellows Program (Cornell University, Center for Teaching Innovation) |
| 2024 | Selection Committee Member, Cornelia Ye Outstanding Teaching Assistant Award (Cornell University, Center for Teaching Innovation) |
| 2023 | Selection Committee Member, Advanced Graduate Teaching Cohort (Cornell University) |
| 2021 - 2022 | Co-Founder and President, Statistics Graduate Society (Cornell University) |
| 2019 - 2020 | Committee Member, Department of Biostatistics Peer Mentoring Committee (University of Michigan) |
| 2019 | First-Year Student Retreat Co-Organizer, Department of Biostatistics (University of Michigan) |
| 2019 | Committee Member, Department of Biostatistics Diversity, Equity, and Inclusion Committee (University of Michigan) |
| 2019 | PhD Student Retreat Co-Organizer, Department of Biostatistics (University of Michigan) |

| | |
|-------------|---|
| 2018 | Team Captain, Varsity Swimming and Diving Varsity (Carnegie Mellon University) |
| 2018 | Selection Committee Member, Elliott Dunlap Smith Award (Carnegie Mellon University) |
| 2017 - 2018 | Community Service Chair, Student Athlete Advisory Council (Carnegie Mellon University) |
| 2017 | University Representative, All-Conference Student Athlete Advisory Council Summit (University Athletic Association) |
| 2015 - 2018 | Team Representative, Student Athlete Advisory Council (Carnegie Mellon University) |

Conference Activities

| | |
|------|---|
| 2026 | Invited Session Organizer, ENAR Spring Meeting (Eastern North American Region, International Biometric Society) |
| 2025 | Professional Networking Session Organizer, Joint Statistical Meetings (American Statistical Association) |
| 2025 | Session Chair, ENAR Spring Meeting (Eastern North American Region, International Biometric Society) |
| 2024 | Invited Panelist, University-Wide Teaching Conference panel on <i>Experiences on the Academic Job Market</i> (Cornell University, Center for Teaching Innovation) |
| 2024 | Conference Organizer, University-Wide Teaching Conference (Cornell University, Center for Teaching Innovation) |

Article Reviews

| | |
|------|---|
| 2025 | JAMA Network Open |
| 2021 | Cornell Law Review (Statistical Reviewer) |

Volunteer Activities

| | |
|----------------|--|
| 2025 | Judge, ENAR Spring Meeting Poster Competition (Eastern North American Region, International Biometric Society) |
| 2025 | Faculty Judge, Department of Biostatistics, Research Day Poster Session (University of Pittsburgh) |
| 2021 - 2023 | Peer Mentor, Statistics Graduate Society (Cornell University) |
| 2022 - Present | Alumni Mentor, Student Athlete Mentorship Program (Carnegie Mellon University) |
| 2019 - 2020 | Peer Mentor, Department of Biostatistics (University of Michigan) |
| 2018 - 2020 | Admissions Ambassador, School of Public Health (University of Michigan) |
| 2019 | First-Year Student Retreat Student Counselor, Department of Biostatistics (University of Michigan) |
| 2019 | Student Coordinator, Big Data Summer Institute (University of Michigan) |
| 2019 | Poster Judge, Undergraduate Research Symposium (University of Michigan) |

ADDITIONAL TRAINING

| | |
|-------------|---|
| 2025 | Early Career Biostatistics Faculty Collaborating on Mental Health and Aging <i>Advanced Research Institute (ARI) in Mental Health and Aging, Mental Health and Aging Research Network, Winston-Salem, NC</i> |
| 2025 | Race Equity Consciousness Institute (RECI) <i>Division of General Internal Medicine, University of Pittsburgh, Pittsburgh, PA</i> |
| 2024 - 2025 | SPRINGBOARD Program for New Faculty Investigators <i>University of Pittsburgh, Pittsburgh, PA</i> |
| 2023 - 2024 | NextGen Professors Program <i>Cornell University, Ithaca, NY</i> |
| 2023 | Colman Inclusive Leadership Program <i>Cornell University, Ithaca, NY</i> |
| 2023 | Future Professors Institute <i>Cornell University, Ithaca, NY</i> |
| 2023 | Building Mentorship Skills for Academic Careers (5 Week Course) <i>Cornell University, Ithaca, NY</i> |
| 2022, 2023 | Ivy+ Teaching Transformations Summit <i>Virtual</i> |
| 2021 - 2022 | Teaching and Learning in the Diverse Classroom <i>Cornell University, Ithaca, NY</i> |
| 2020 - 2025 | Collaborative Institutional Training Initiative (CITI Program) in Responsible Conduct of Research <i>Cornell University, Ithaca, NY</i> |
| 2020 - 2023 | Program for Education and Evaluation in Responsible Research and Scholarship (PEERRS) Certification in Responsible Conduct of Research <i>University of Michigan, Ann Arbor, MI</i> |
| 2019 | Effective Teaching in Public Health <i>University of Michigan, Ann Arbor, MI</i> |
| 2018 | Approaches to the Responsible Practice of Biostatistics <i>University of Michigan, Ann Arbor, MI</i> |
| 2018 | Carnegie Mellon Athletics Leadership Development Program <i>Carnegie Mellon University, Pittsburgh, PA</i> |
| 2015 | Summer Institute for Training in Biostatistics (SIBS) Student <i>Department of Statistics, University of Wisconsin, Madison, WI</i> |

PROFESSIONAL MEMBERSHIPS

| | |
|----------------|--|
| 2024 - Present | Caucus for Women in Statistics and Data Science |
| 2023 - Present | American Statistical Association |
| 2019 - Present | Eastern North American Region, International Biometric Society |
| 2018 | Society of Behavioral Medicine |

COMMUNITY OUTREACH

| | |
|-------------|---|
| 2017 - 2018 | First Grade Tutor (Lincoln Elementary School, Pittsburgh, PA) |
| 2017 - 2018 | Western Spring Sectional Competition, Aquatics Program Coordinator (Special Olympics of Pennsylvania) |
| 2016 - 2017 | Western Spring Sectional Competition, Event Volunteer (Special Olympics of Pennsylvania) |
| 2015 - 2016 | Camp Kesem, Outreach Coordinator and Camp Counselor (Carnegie Mellon University) |

MEDIA COVERAGE

| | |
|------|--|
| 2024 | <i>"By Graduate TAs, for Graduate TAs: Belonging at Cornell mini grant funds 2023 Advanced Graduate Teaching Cohort"</i> Carolyn Keller, <i>The Cornell Chronicle</i> |
| 2020 | <i>"Concerns About Preterm Birth Extend to the Last Few Weeks"</i> Perri Klass, <i>The New York Times</i> |