

# Kimberly A. Hochstedler Webb

## Curriculum Vitae



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

**CV Updated:** 12/12/2024

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### EDUCATION

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

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### PROFESSIONAL EXPERIENCE

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| 2024 - Present | Assistant Professor of Medicine<br><i>University of Pittsburgh, Department of Medicine, Division of General Internal Medicine</i> |
| 2023 - 2024    | Graduate Research Assistant<br><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>

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## RESEARCH AND TRAVEL GRANTS

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)

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## 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)

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## PUBLICATIONS

\* First authors contributed equally, # Primary investigators contributed equally

### Peer Reviewed Manuscripts

- [1] **Webb, K. A. H.** and Wells, M. T., "Statistical inference for association studies in the presence of binary outcome misclassification," *In press at Statistics in Medicine*, 2024.
- [2] 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.

- [3] 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>.
- [4] 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).
- [5] \*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>.
- [6] Wilkie, J. R., **Hochstedler, K. A.**, Schipper, M. J., Matuszak, M. M., Paximadis, P. A., Dominello, M. M., Grills, I. S., Hayman, J. A., Dess, R. T., Pierce, L. J., Spratt, D. E., Bergsma, D. P., Boike, T. P., Movsas, B., and Jolly, S., "Association between Adverse Events and Quality of Life in Patients Treated with Definitive Radiotherapy for Locally Advanced Lung Cancer in a Statewide Consortium," *International Journal of Radiation Oncology, Biology, Physics*, vol. 112, pp. 942–950, 4 2021. DOI: [10.1016/j.ijrobp.2021.11.024](https://doi.org/10.1016/j.ijrobp.2021.11.024).
- [7] 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).
- [8] \*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).
- [9] **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., "Effect estimation in the presence of a misclassified binary mediator," *arXiv preprint arXiv:2407.06970*, 2024.
- [2] **Webb, K. A. H.**, Riley, S. A., and Wells, M. T., "An assessment of racial disparities in pretrial decision-making using misclassification models," *arXiv preprint arXiv:2309.08599*, 2023.

## In Preparation

- [1] Thommes, F., Liao, W., Papst, I., Jin, Z., Zhang, W., and **Hochstedler, K. A.**, “*rddapp*: An R package for multi-assignment regression-discontinuity designs,” 2022+.
- [2] **Webb, K. A. H.** and Wells, M. T., “Regression methods for misclassified binary mediator and outcome variables,” 2023+.
- [3] **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,” 2024+.

## 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/>.

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## PRESENTATIONS

### Invited

- [1] **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.
- [2] **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.
- [3] **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.
- [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*, Johns Hopkins University, Department of Biostatistics Seminar Series, Baltimore, MD, Nov. 2023.
- [5] **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.
- [6] **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.
- [7] **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*, Joint Statistical Meetings, Portland, OR, Aug. 2024.

- [2] **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.
- [3] **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.
- [4] **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.
- [5] **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.
- [6] **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.
- [7] **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.
- [8] **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.
- [9] **\*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., Heimburger, 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.

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## 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.

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## TEACHING EXPERIENCE

2023 - 2024	<p>Senior Lead Graduate Teaching Fellow  <i>Cornell University, Center for Teaching Innovation</i></p> <p><b>Responsibilities:</b> "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	Advanced Graduate Teaching Cohort Co-Creator and Co-Facilitator

*Cornell University, Center for Teaching Innovation & Presidential Advisors on Diversity and Equity*

- 2022 - 2023      Lead Graduate Teaching Fellow  
*Cornell University, Center for Teaching Innovation*  
**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).
- 2021 - 2022      Graduate Teaching Fellow  
*Cornell University, Center for Teaching Innovation*  
**Responsibilities:** Facilitated teaching workshops, developed and coordinated a university-wide teaching conference.
- 2022 - 2023  
(4 semesters)      Graduate Teaching Assistant  
*Cornell University, School of Continuing Education and Summer Sessions*  
**Course:** Introductory Statistics  
**Professor:** Thomas DiCiccio, Ph.D.  
*Student ratings unavailable.*
- 2021      Graduate Teaching Assistant  
*Cornell University, Department of Statistics and Data Science*  
**Course:** Biological Statistics II  
**Professor:** Jeremy Entner, Ph.D.  
*Average student rating: 4.82 / 5*
- 2020      Graduate Teaching Assistant  
*Cornell University, Department of Statistics and Data Science*  
**Course:** Statistical Methods I (Graduate Level)  
**Professor:** Sumanta Basu, Ph.D.  
*Average student rating: 4.89 / 5*
- 2019 - 2020      Course Designer  
*University of Michigan, Department of Nutrition*  
**Course:** Hungry in America - Building Skills to Feed Communities  
**Professors:** Kate Bauer, Ph.D. and Susan Aaronson, M.A., R.D.
- 2018      Undergraduate Teaching Assistant  
*Carnegie Mellon University, Department of Psychology*  
**Course:** Biological Foundations of Behavior  
**Professor:** Marlene Behrmann, Ph.D.
- 2017      Undergraduate Teaching Assistant  
*Carnegie Mellon University, Department of Psychology*  
**Course:** Social Psychology  
**Professor:** Vicki Helgeson, Ph.D.

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## PROFESSIONAL SERVICE AND LEADERSHIP

### Officer Positions and Committees

2025 - 2027	Committee on Career Development, Member (American Statistical Association)
2024 - 2026	Council for Emerging and New Statisticians, Committee Member (Eastern North American Region International Biometric Society)
2024 - 2026	Council for Emerging and New Statisticians, Social Media Co-Chair (Eastern North American Region International Biometric Society)
2024, 2023	Graduate Teaching Fellows Program Selection Committee (Cornell University, Center for Teaching Innovation)
2024	Cornelia Ye Outstanding Teaching Assistant Award Selection Committee (Cornell University, Center for Teaching Innovation)
2023	Advanced Graduate Teaching Cohort Selection Committee (Cornell University)
2021 - 2022	Statistics Graduate Society, Co-Founder and President (Cornell University)
2019 - 2020	Department of Biostatistics Peer Mentoring Committee (University of Michigan)
2019	Department of Biostatistics, First-Year Student Retreat Co-Organizer (University of Michigan)
2019	Department of Biostatistics Diversity, Equity, and Inclusion Committee (University of Michigan)
2019	Department of Biostatistics, PhD Student Retreat Co-Organizer (University of Michigan)
2018	Swimming and Diving Varsity Team Captain (Carnegie Mellon University)
2018	Elliott Dunlap Smith Award Selection Committee (Carnegie Mellon University)
2017 - 2018	Student Athlete Advisory Council, Community Service Chair (Carnegie Mellon University)
2017	All-Conference Student Athlete Advisory Council Summit, University Representative (University Athletic Association)
2015 - 2018	Student Athlete Advisory Council, Team Representative (Carnegie Mellon University)

### Conference Activities

2024	University-Wide Teaching Conference, <i>Experiences on the Academic Job Market</i> Invited Panelist (Cornell University, Center for Teaching Innovation)
2024	University-Wide Teaching Conference, Organizer (Cornell University, Center for Teaching Innovation)

### Article Reviews

2021	Cornell Law Review, Statistical Reviewer (Cornell University)
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### Volunteering

2021 - 2023	Statistics Graduate Society, Peer Mentor (Cornell University)
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2022 - Present	Student Athlete Mentorship Program, Alumni Mentor (Carnegie Mellon University)
2019 - 2020	Department of Biostatistics, Peer Mentor (University of Michigan)
2018 - 2020	School of Public Health, Admissions Ambassador (University of Michigan)
2019	Department of Biostatistics, First-Year Student Retreat Student Counselor (University of Michigan)
2019	Big Data Summer Institute, Student Coordinator (University of Michigan)
2019	Undergraduate Research Symposium, Poster Judge (University of Michigan)

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## ADDITIONAL TRAINING

2025	Race Equity Consciousness Institute (RECI) <i>Division of General Internal Medicine, University of Pittsburgh, Pittsburgh, PA</i>
2024 - 2025	<b>SPRINGBOARD Program for New Faculty Investigators</b> <i>University of Pittsburgh, Pittsburgh, PA</i>
2023 - 2024	<b>NextGen Professors Program</b> <i>Cornell University, Ithaca, NY</i>
2023	<b>Colman Inclusive Leadership Program</b> <i>Cornell University, Ithaca, NY</i>
2023	<b>Future Professors Institute</b> <i>Cornell University, Ithaca, NY</i>
2023	<b>Building Mentorship Skills for Academic Careers (5 Week Course)</b> <i>Cornell University, Ithaca, NY</i>
2022, 2023	Ivy+ Teaching Transformations Summit <i>Virtual</i>
2021 - 2022	<b>Teaching and Learning in the Diverse Classroom</b> <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>

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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>

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## 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

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## 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)

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## 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>