

# Kimberly A. Hochstedler Webb

## Curriculum Vitae



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Cornell University, Department of Statistics and Data Science  
Ithaca, NY, 14853

**CV Updated:** 08/08/2023

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### EDUCATION

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| 2020 - 2024<br>(anticipated) | 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.<br><b>Committee:</b> James Booth, Ph.D. and Felix Thoemmes, Ph.D.                               |
| 2020 - 2022                  | M.S. in Statistics<br><i>Cornell University, Ithaca, NY</i><br>GPA: 4.10   |
| 2018 - 2020                  | M.S. in Biostatistics<br><i>University of Michigan, Ann Arbor, MI</i><br>GPA: 4.00   |
| 2014 - 2018                  | B.S. in Statistics and Psychology<br><i>Carnegie Mellon University, Pittsburgh, PA</i><br>GPA: 4.00<br>Awarded with University and College Honors, <i>Phi Beta Kappa</i><br><b>Thesis:</b> "Self-Disclosure among Emerging Adults with Depression and/or Anxiety"<br><b>Advisor:</b> Vicki Helgeson, Ph.D. |

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### RESEARCH EXPERIENCE

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| 2023 - 2024 | Graduate Research Assistant<br><i>Cornell University, Department of Statistics and Data Science</i><br><b>Advisor:</b> Martin Wells, Ph.D. |
| 2021 - 2022 | Graduate Research Assistant for R Package Development  |

*Cornell University, Department of Psychology*

**Advisor:** Felix Thoemmes, Ph.D.

- 2018 - 2020 Graduate Student Research Assistant with the Michigan Radiation Oncology Quality Consortium (MROQC)  
*University of Michigan, Department of Radiation Oncology*  
**Advisor:** Matthew Schipper, Ph.D.
- 2019 - 2020 Graduate Student Researcher in Clinical Trials  
*University of Michigan, Department of Biostatistics*  
**Advisors:** Kelley Kidwell, Ph.D. and Tom Braun, Ph.D.
- 2017 Summer Intern  
*National Institute of Child Health and Human Development, Epidemiology Branch*  
**Advisor:** Edwina Yeung, Ph.D.
- 2015 - 2018 Student Researcher in the Gender, Relationships, and Health Lab  
*Carnegie Mellon University, Department of Psychology*  
**Advisor:** Vicki Helgeson, Ph.D.

## RESEARCH AND TRAVEL GRANTS

- 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)

## HONORS AND AWARDS

- 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] 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*, 2022, ISSN: 1879-8500. DOI: <https://doi.org/10.1016/j.prro.2022.01.002>.

- [2] 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/OP.21.00224](https://doi.org/10.1200/OP.21.00224).
- [3] 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*, 2021. DOI: [10.1016/j.ijrobp.2021.11.024](https://doi.org/10.1016/j.ijrobp.2021.11.024).
- [4] \*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 Conventionally Fractionated Radiotherapy for Locally Advanced Lung Cancer," *International Journal of Radiation Oncology*, Jul. 2021. DOI: [10.1016/j.ijrobp.2021.07.1691](https://doi.org/10.1016/j.ijrobp.2021.07.1691).
- [5] 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*, pp. 1881–1889, Dec. 2020. DOI: [10.1001/jamaoncol.2020.5403](https://doi.org/10.1001/jamaoncol.2020.5403).
- [6] \*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).
- [7] **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] **Hochstedler, K.A.** and Wells, M. T., "Statistical inference for association studies in the presence of binary outcome misclassification," *arXiv preprint arXiv:2303.10215*, 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," *Journal of Statistical Software*, 2022.
- [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. M., Hayman, J. A., Paximadis, P. A., Schipper, M. J., Jolly, S., and Boike, T. P., "Predictors of Early Hospice or Death in Patients with Inoperable Lung Cancer Treated with Curative Intent," 2022.

## 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\*Biophysics*, 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\*Biophysics*, 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., V. N., Mis-Imani, M., Paximadis, P. A., Jones, N., Jolly, S., P. C., T. D. R., 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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## PRESENTATIONS

### Invited

- [1] **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.
- [2] **Hochstedler, K. A.**, *Developing your professional website*, Cornell University Center for Teaching Innovation, Active Learning Institute, Ithaca, NY, Mar. 2023.

### Contributed

- [1] **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.
- [2] **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.
- [3] **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.
- [4] **Hochstedler, K. A.**, *Self-Disclosure among Emerging Adults with Depression and/or Anxiety*, Meeting of the Minds at Carnegie Mellon University, Pittsburgh, PA, May 2018.
- [5] **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.
- [6] **\*Hochstedler, K. A.** and Foster, M. J., *Analysis of PROMISE*, Summer Institute for Training in Biostatistics Student Presentations, Madison, WI, Jul. 2015.

### Workshops

- [1] LeBeau, K. and **Hochstedler, K. A.**, *Inclusive teaching strategies in the humanities*, Cornell University Center for Teaching Innovation, University-Wide Teaching Conference, Ithaca, NY, Apr. 2023.
- [2] **\*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.

- [3] **\*Hochstedler, K. A.**, \*Beeghly, G., \*Ma, W., and \*Demler, C., *Course design: Peer review*, Cornell University Center for Teaching Innovation, Course Design Institute, Ithaca, NY, Mar. 2023.
- [4] **Hochstedler, K. A.**, *Developing your professional website*, Cornell University Center for Teaching Innovation, Graduate Teaching Fellowship Meeting, Ithaca, NY, Feb. 2023.
- [5] **\*Hochstedler, K. A.**, \*LeBeau, K., \*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.
- [6] \*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.
- [7] **\*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.
- [8] **\*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.
- [9] **Hochstedler, K. A.**, *R Shiny Tutorial*, Cornell University Statistics Graduate Society Student Seminar Series, Ithaca, NY, Dec. 2021.
- [10] \*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.
- [11] \*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 binary misclassified 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.**, *Meta-Analytic Review of Pronoun Use and Health and Relationship Outcomes*, Meeting of the Minds at Carnegie Mellon University, Pittsburgh, PA, May 2017.
- [8] **\*Hochstedler, K. A.**, *Self-disclosure among Emerging Adult Survivors of Childhood Illness*, Meeting of the Minds at Carnegie Mellon University, Pittsburgh, PA, May 2017.
- [9] **\*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.
- [10] **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.
- [11] **\*Hochstedler, K. A.** and **\*Essien, I.**, *Problem Solving among Dating Couples*, Meeting of the Minds at Carnegie Mellon University, Pittsburgh, PA, May 2015.

## SOFTWARE

### R Packages

- **"COMBO" R package** (<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. The main features include estimation of effects of interest and calculation of classification probabilities, like sensitivity and specificity.
- **"rddapp" R package** (<https://github.com/felixthoemmes/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" R package** (<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" R package** (<https://github.com/kimberlywebb/carnegiecolors>): **"carnegiecolors"** provides color palettes matching Carnegie Mellon University's official branding.
- **"maizeandblue" R package** (<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.

### Web Applications

- **Pneumonitis Prediction App** (<http://ppa.mroqc.org/>): Web-based 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.
- **Heavy-Tailed Distribution Expected Value Estimation Simulator** (<https://kimhochstedler.shinyapps.io/heavytails/>): Web-based 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/>): Web-based application to analyze components of 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](https://github.com/kimberlywebb/website_template)): Short tutorial on creating your own professional website using GitHub Pages. Includes a website template.
- **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>  <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	<p>Advanced Graduate Teaching Cohort Co-creator and Co-Facilitator  <i>Cornell University, Center for Teaching Innovation &amp; Presidential Advisors on Diversity and Equity</i></p>
2022 - 2023	<p>Lead Graduate Teaching Fellow  <i>Cornell University, Center for Teaching Innovation</i>  <b>Responsibilities:</b> "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>  <b>Responsibilities:</b> 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>  <b>Course:</b> Introductory Statistics  <b>Professor:</b> Thomas DiCiccio, Ph.D.  <i>Student ratings unavailable.</i></p>
2021	<p>Graduate Teaching Assistant  <i>Cornell University, Department of Statistics and Data Science</i></p>

	<b>Course:</b> Biological Statistics II <b>Professor:</b> Jeremy Entner, Ph.D. <i>Average student rating: 4.82 / 5</i>
2020	Graduate Teaching Assistant <i>Cornell University, Department of Statistics and Data Science</i> <b>Course:</b> Statistical Methods I (Graduate Level) <b>Professor:</b> Sumanta Basu, Ph.D. <i>Average student rating: 4.89 / 5</i>
2019 - 2020	Course Designer <i>University of Michigan, Department of Nutrition</i> <b>Course:</b> Hungry in America - Building Skills to Feed Communities <b>Professors:</b> Kate Bauer, Ph.D. and Susan Aaronson, M.A., R.D.
2018	Undergraduate Teaching Assistant <i>Carnegie Mellon University, Department of Psychology</i> <b>Course:</b> Biological Foundations of Behavior <b>Professor:</b> Marlene Behrmann, Ph.D.
2017	Undergraduate Teaching Assistant <i>Carnegie Mellon University, Department of Psychology</i> <b>Course:</b> Social Psychology <b>Professor:</b> Vicki Helgeson, Ph.D.

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## SERVICE

2021 - Present	Statistics Graduate Society, Peer Mentor (Cornell University)
2023	Graduate Teaching Fellowship Selection Committee (Cornell University, Center for Teaching Innovation)
2023	Advanced Graduate Teaching Cohort Selection Committee (Cornell University)
2022 - 2023	Student Athlete Mentorship Program, Alumni Mentor (Carnegie Mellon University)
2021 - 2022	Statistics Graduate Society, Co-Founder and President (Cornell University)
2021	Cornell Law Review, Statistical Reviewer (Cornell University)
2019 - 2020	Department of Biostatistics Peer Mentoring Committee (University of Michigan)
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 Co-Organizer and Student Counselor (University of Michigan)
2019	Big Data Summer Institute, Student Coordinator (University of Michigan)
2019	Department of Biostatistics Diversity, Equity, and Inclusion Committee (University of Michigan)
2019	Undergraduate Research Symposium, Poster Judge (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)

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## ADDITIONAL TRAINING

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 Conference <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>
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>
2016	Collaborative Institutional Training Initiative (CITI Program) in Responsible Conduct of Research

*Carnegie Mellon University, Pittsburgh, PA*

2015 Summer Institute for Training in Biostatistics (SIBS) Student  
*University of Wisconsin - Madison, Department of Statistics*

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## PROFESSIONAL MEMBERSHIPS

American Statistical Association (2023-Present)  
Eastern North American Region, International Biometric Society (2019-2020, 2022-Present)  
Society of Behavioral Medicine (2018)

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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

2020 "Concerns About Preterm Birth Extend to the Last Few Weeks"  
Perri Klass, *The New York Times*, June 8, 2020