

Kimberly A. Hochstedler

Curriculum Vitae



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Cornell University, Department of Statistics and Data Science
1198 Comstock Hall, 129 Garden Avenue
Ithaca, NY, 14853

CV Updated: 01/05/2021

EDUCATION

- | | |
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| 2020 - 2024 | Ph.D. in Statistics
Cornell University, Ithaca, NY
GPA: 4.07 |
| 2018 - 2020 | M.S. in Biostatistics
University of Michigan, Ann Arbor, MI
GPA: 4.00 |
| 2014 - 2018 | B.S. in Statistics and Psychology
Carnegie Mellon University, Pittsburgh, PA
GPA: 4.00
Awarded with University and College Honors, <i>Phi Beta Kappa</i>
<i>Thesis: Self-Disclosure among Emerging Adults with Depression and/or Anxiety</i> |

RESEARCH EXPERIENCE

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| 2018 - 2020 | Graduate Student Research Assistant with the Michigan Radiation Oncology Quality Consortium (MROQC)
<i>University of Michigan, Department of Radiation Oncology</i>
Advisor: Matthew Schipper, Ph.D. |
| 2019 - 2020 | Graduate Student Researcher in Clinical Trials
<i>University of Michigan, Department of Biostatistics</i>
Advisors: Kelley Kidwell, Ph.D. and Tom Braun, Ph.D. |
| 2017 | Summer Intern
<i>National Institute of Child Health and Human Development, Epidemiology Branch</i>
Advisor: Edwina Yeung, Ph.D. |

2015 - 2018	Student Researcher in the Gender, Relationships, and Health Lab <i>Carnegie Mellon University, Department of Psychology</i> Advisor: Vicki Helgeson, Ph.D.
2015	Summer Institute for Training in Biostatistics (SIBS) Student <i>University of Wisconsin - Madison, Department of Statistics</i>

RESEARCH AND TRAVEL GRANTS

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

2019	Richard G. Cornell Fellowship (\$500) <i>For outstanding academic performance in the UM Department of Biostatistics</i>
2018	NCAA Woman of the Year Nominee
2018	NCAA Post-Graduate Scholarship (\$7,500)
2018	Carnegie Mellon University Department of Psychology Oral Presentation Competition at Meeting of the Minds - 1st place (\$250)
2018	Carnegie Mellon Athletics Leadership Development Program
2018	Judith A. Resnik Award (\$1,000)
2018	Dr. William Brown Academic Athletic Achievement Award <i>Awarded to the CMU female student-athlete with the highest cumulative GPA</i>
2018	Gretchen Goldsmith Lankford Award (\$2,500)
2018	Carnegie Mellon Women's Association Scholarship Winner (\$1,000)
2017	Andrew Carnegie Society Scholar (\$1,500)
2017	Carnegie Mellon University, Dietrich College Senior Honors Program
2017	Statistical Graphics and Visualization (Carnegie Mellon University, Department of Statistics) - Top Presenter Award
2017	Carnegie Mellon University Department of Psychology Poster Presentation Competition at Meeting of the Minds - 1st place (\$200)
2017	Carnegie Mellon University Department of Statistics Poster Presentation Competition at Meeting of the Minds - 1st place (\$500)
2014	National Merit Scholarship Finalist
2014 - 2018	Carnegie Mellon University Dean's List
2013	Carnegie Mellon University Science and Humanities Scholars Program

PUBLICATIONS

* First authors contributed equally, # Primary investigators contributed equally

Peer Reviewed Manuscripts

- [1] 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).
- [1] *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*, pp. 1–15, Nov. 2020. DOI: [10.1002/sim.8813](https://doi.org/10.1002/sim.8813).
- [2] **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).

Submitted

- [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," 2020.

In Preparation

- [1] 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," 2020.
- [2] 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," 2020.
- [4] 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," 2020.

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, Submitted.
- [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, Submitted.
- [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., Jaggi, 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., Heimbürger, D., Mancini, T., Boike, T. P., Schipper, M. J., Griffith, K., Moran, J., Pierce, L. J., Hayman, J. A., McLaughlin, P., V. N., Misimani, 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.

PRESENTATIONS

Contributed - Oral

- [1] **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.
- [2] **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.
- [3] **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.
- [4] ***Hochstedler, K. A.** and Foster, M. J., *Analysis of PROMISE*, Summer Institute for Training in Biostatistics Student Presentations, Madison, WI, Jul. 2015.

Poster

- [1] ***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.
- [2] ***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.
- [3] **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.
- [4] ***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.
- [5] **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.
- [6] **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.
- [7] ***Hochstedler, K. A.**, *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.** and ***Essien, I.**, *Problem Solving among Dating Couples*, Meeting of the Minds at Carnegie Mellon University, Pittsburgh, PA, May 2015.

SOFTWARE

Pneumonitis Prediction App (<http://ppa.mroqc.org/>): Web-based app to estimate the risk of developing pneumonitis in lung cancer patients, based on treatment and clinical characteristics. Designed to aid in radiation treatment planning.

TEACHING EXPERIENCE

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| 2021 | Graduate Teaching Assistant
<i>Cornell University</i>
Course: Introductory Statistics
Professor: M. Elizabeth Karns, J.D., M.P.H. |
| 2020 | Graduate Teaching Assistant
<i>Cornell University</i>
Course: Statistical Methods I (Graduate Level)
Topics Covered: descriptive statistics, data visualization, probability, point and interval estimation, inference for a single population, ANOVA, simple and multiple linear regression
Professor: Sumanta Basu, Ph.D. |
| 2019 - 2020 | Course Designer
<i>University of Michigan, Department of Nutrition</i>
Course: Hungry in America - Building Skills to Feed Communities
Professors: Kate Bauer, Ph.D. and Susan Aaronson, M.A., R.D. |
| 2019 | Student in Effective Teaching in Public Health Course
<i>University of Michigan, School of Public Health</i>
Topics Covered: Teaching philosophy, backward course design, SoTL, syllabus development, teaching demonstration
Professor: Olivia Anderson, Ph.D. |
| 2018 | Undergraduate Teaching Assistant
<i>Carnegie Mellon University, Department of Psychology</i>
Course: Biological Foundations of Behavior
Professor: Marlene Behrmann, Ph.D. |
| 2017 | Undergraduate Teaching Assistant
<i>Carnegie Mellon University, Department of Psychology</i> |

Course: Social Psychology
Professor: Vicki Helgeson, Ph.D.

SERVICE

- Peer Mentoring Committee, Department of Biostatistics, University of Michigan (2019-2020)
 - Student Co-Organizer, First-year Student Retreat, Department of Biostatistics, University of Michigan (2019)
 - Student Coordinator, Big Data Summer Institute, University of Michigan (2019)
 - Diversity, Equity, and Inclusion Ph.D. Student Retreat Planning Committee (2019)
 - Undergraduate Research Symposium Poster Judge, University of Michigan (2019)
 - Admissions Ambassador, School of Public Health, University of Michigan (2018-2020)
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ADDITIONAL TRAINING

2020 - 2025	Collaborative Institutional Training Initiative (CITI Program) in Responsible Conduct of Research Cornell University, Ithaca, NY
2020 - 2023	Program for Education and Evaluation in Responsible Research and Scholarship (PEERRS) Certification in Responsible Conduct of Research University of Michigan, Ann Arbor, MI
2018	Approaches to the Responsible Practice of Biostatistics University of Michigan, Ann Arbor, MI
2016	Collaborative Institutional Training Initiative (CITI Program) in Responsible Conduct of Research Carnegie Mellon University, Pittsburgh, PA

PROFESSIONAL MEMBERSHIPS

Society of Behavioral Medicine (2018)