Kimberly A. Hochstedler
Cornell University, Department of Statistics
Ithaca, New York
(574) 807-2917 | kah343@cornell.edu

EDUCATION

Ph.D. Student in Statistics   **August 2020-Present**
Cornell University, Ithaca, NY
Department of Statistics, School of Public Health

M.S. in Biostatistics   **May 2020**
University of Michigan, Ann Arbor, MI
Department of Biostatistics, School of Public Health
GPA: 4.00 / 4.00

B.S. in Statistics and Psychology (Health Psychology Concentration)   **May 2018**
Carnegie Mellon University, Pittsburgh, PA
Department of Statistics & Data Science, Department of Psychology
Awarded with University and College Honors, *Phi Beta Kappa*
GPA: 4.00 / 4.00

Honors Thesis: *"Self-Disclosure among Emerging Adults with Depression and/or Anxiety"*

RESEARCH EXPERIENCE

Graduate Student Research Assistant in Rad. Onc. Biostatistics   **Aug. 2018-Aug. 2020**
University of Michigan, Department of Biostatistics

- Worked with Matthew Schipper, PhD in the Center for Cancer Biostatistics, Radiation Oncology.
- Collaborated on projects for the Michigan Radiation Oncology Quality Consortium (MROQC) to evaluate the efficacy of different radiation techniques, the association between radiation dose and toxicities, and patient adverse events.
- Managed and analyzed data from multiple radiation oncology clinics across Michigan.
- Communicated directly with physicians at the University of Michigan Hospital.

Graduate Student Researcher   **May 2019-Aug. 2020**
University of Michigan, Department of Biostatistics

- Worked with Kelley Kidwell, PhD, and Tom Braun, PhD, at the University of Michigan and Roy Tamura, PhD at the University of South Florida.
- Developed novel Bayesian statistical methods for the design and analysis of small n, sequential, multiple assignment randomized trials (snSMARTs) in the study of rare diseases.

Summer Internship Program at the National Institutes of Health   May 2017-Aug. 2017
National Institute of Child Health and Human Development

- Worked with Edwina Yeung, PhD in the Epidemiology Branch.
- Utilized generalized linear mixed modeling and imputation techniques to model early childhood development as a function of gestational age.
- Conducted multiple literature reviews on topics in child and maternal health.

Student Researcher in the Gender, Relationships, and Health Lab   Jan. 2015-May 2018
Carnegie Mellon University, Department of Psychology

- Worked with Vicki Helgeson, PhD.
- Designed and conducted senior honors thesis study on self-disclosure among first-year students with a previous diagnosis of depression or anxiety.
- Performed meta-analysis on the association between personal pronoun use and health and relationship outcomes.
- Analyzed adjustment to chronic illness diagnosis using interview techniques (generating and coding transcripts).
- Conducted laboratory studies on coping with stressful events in romantic relationships.

Summer Institute for Training in Biostatistics   June 2015-July 2015
University of Wisconsin

- Attended biweekly seminars on medical research ethics and electronic health records.
- Earned A's in two graduate-level probability and computing courses.
- Completed research project re-analyzing data from existing medical research trials.

TEACHING, ADVISING, & SERVICE

Course Designer   Nov. 2019-Jan. 2020
University of Michigan, Department of Nutritional Sciences

- Worked with Katherine Bauer, PhD and Susan Aaronson, MA, RD to design and organize materials for an undergraduate course on food insecurity.
- Incorporated reading materials, writing assignments, lecture notes, and hands-on cooking activities for the course.
- Designed the course webpage on the Canvas platform.

Peer Mentoring Committee   May 2019-May 2020
University of Michigan, Department of Biostatistics

- Collaborated with faculty members and fellow students to address challenges in the student experience in the department.

- Led a peer-to-peer mentoring program aimed at providing resources and peer advising for first-year graduate students.
- Spearheaded a student-guide to Graduate Student Research Assistantship positions, in collaboration with faculty.
- Co-led an annual retreat for first-year students aimed at fostering community and collaboration in the department.

Student Coordinator for Events   **June 2019-July 2019**
University of Michigan, Department of Biostatistics Big Data Summer Institute

- Organized and executed social, mentoring, and professional development events for summer students.
- Mentored and advised undergraduate students in data science.
- Coordinated with guest speakers and lecturers in the program.

Diversity, Equity, and Inclusion PhD Retreat Planning Committee   **May 2019-June 2019**
University of Michigan, Department of Biostatistics

- Volunteered in the Diversity, Equity, and Inclusion Committee within the Biostatistics Department.
- Collaborated with faculty and fellow students to plan and execute a PhD student retreat aimed at fostering collaboration in the department.
- Promoted inclusion in departmental meeting and events.

Undergraduate Research Symposium Poster Judge   **March 2019-March 2020**
University of Michigan

- Volunteered with the annual Undergraduate Research Symposium as a poster judge.
- Collaborated with fellow student judges to award scores and provide feedback on student research projects.

Admissions Ambassador   **September 2018-May 2020**
University of Michigan, School of Public Health

- Volunteered at admissions information sessions and school-wide recruitment events.
- Advised students applying to the School of Public Health.

Teaching Assistant for Biological Foundations of Behavior   **January 2018-May 2018**
Carnegie Mellon University, Department of Psychology

- Taught under Marlene Behrmann, PhD.
- Led exam review sessions and office hours.
- Wrote exam questions and grading rubrics. Graded quizzes and exams.

Teaching Assistant for Social Psychology   **August 2017-December 2017**
Carnegie Mellon University, Department of Psychology

- Taught under Vicki Helgeson, PhD.
- Led exam review sessions and office hours.
- Wrote exam questions and grading rubrics. Graded papers and exams.

PUBLICATIONS

(Under Review) **KA Hochstedler***, F Fang*, R Tamura, T Braun, K Kidwell. "Bayesian Methods to Compare Dose Levels to Placebo in a Small n Sequential Multiple Assignment Randomized Trial (snSMART)". 2019. *Co-first authors.

KA Hochstedler, G Bell, H Park, A Ghassabian, E Bell, R Sundaram, K Grantz, E Yeung. "Gestational Age at Birth and Early Childhood Development: the Upstate KIDS Study." 2020. *American Journal of Perinatology*.

KA Hochstedler. "Self-Disclosure among Emerging Adults with Depression and/or Anxiety". *Carnegie Mellon University Senior Thesis Manuscript*. 2018.

CONFERENCE PRESENTATIONS AND ABSTRACTS

Oral presentations, presenter

M McFarlane, **KA Hochstedler**, A Laucis, Y Sun, A Chowdry, MM Matuszak, JA Hayman, DP Bergsma, T Boike, LL Kestin, B Movsas, IS Grills, R Dess, C Schonewolf, D Spratt, L Pierce, P Paximadis, S Jolly, M Schipper. "Predictors of Pneumonitis after Lung Cancer Radiotherapy." American Society for Radiation Oncology (ASTRO) Annual Meeting. Virtual. October 2020.

KA Hochstedler, F Fang, R Tamura, T Braun, K Kidwell. "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. March 2020.

J Wilkie, **KA Hochstedler**, M Schipper, M Matuszak, P Paximadis, M Dominello, I Grills, J Hayman, R Dess, L Pierce, D Spratt, DP Bergsma, B Movsas, S Jolly. "Association between Adverse Events and Quality of Life in Patients Treated with Radiotherapy for Locally Advanced Non-Small Cell Lung Cancer". American Society for Radiation Oncology (ASTRO) Annual Meeting. Chicago, IL. September 2019. https://doi.org/10.1016/j.ijrobp.2019.06.575.

KA Hochstedler. "Self-Disclosure among Emerging Adults with Depression and/or Anxiety". Carnegie Mellon University Meeting of the Minds Symposium. Pittsburgh, PA. May 2018.

KA Hochstedler. "What you say matters: Associations between Pronoun Use, Relationships, and Health". Science and Humanities Scholars Summer Colloquium 2016. Pittsburgh, PA. July 2016.

VS Helgeson, **KA Hochstedler**, I Essien. "Effects of manipulated communal coping on dating couples coping with a stressor. International Association of Relationship Research. Toronto, Canada. July 2016.

KA Hochstedler. MJ Foster. "Analysis of PROMISE". Summer Institute for Training in Biostatistics Student Presentations. Madison, WI. July 2015.

Poster presentations, presenter

T Boike, **KA Hochstedler**, B Movsas, C Stevens, LL Kestin, K Devisetty, MM Dominello, IS Grills, A Laucis, MM Matuszak, JA Hayman, P Paximadis, M Schipper, S Jolly. "Predictors of Early Death or Hospice in Curative Inoperable Lung Cancer Patients". American Society for Radiation Oncology (ASTRO) Annual Meeting. Virtual. October 2020.

A Laucis, **KA Hochstedler**, M Schipper, P Paximadis, T Boike, DP Bergsma DE Spratt, R Dess, M Meitzel, M Dominello, MM Matuszak, R Jagsi, JA Hayman, L Pierce, S Jolly. "Racial Differences in Toxiciety in Non-Small Cell Lung Cancer Patients Treated with Thoracic Radiotherapy". American Society for Radiation Oncology (ASTRO) Annual Meeting. Virtual. October 2020.

S Jolly, **KA Hochstedler**, P Paximadis, JA Hayman, MM Dominello, JW Burmeister, IS Grills, RT Dess, AF Dragovic, B Movsas, M Ajlouni, C Fraser, LL Kestin, M Wilson, DP Bergsma, DE Spratt, JM Moran, LJ Pierce, M Schipper, MM Matuszak. "Changes in Practice Patterns of Radiation Dose and Treatment Delivery Technique in Locally Advanced Lung Cancer: Results of a Statewide Consortium". American Society for Radiation Oncology (ASTRO) Annual Meeting. Chicago, IL. September 2019. https://doi.org/10.1016/j.ijrobp.2019.06.1387.

E Jaworski, **KA Hochstedler**, M Dominello, D Heimburger, B Mancini, T Boike, M Schipper, K Griffith, J Moran, L Pierce, J Hayman, P McLaughlin, V Narayana, M Mislmani, P Paximadis, N Jones, S Jolly, P Chuba, R Dess, D Spratt. "Contemporary Practice Patterns for Intact and Post-Operative Prostate Cancer: Results from a Statewide Collaborative". American Society for Radiation Oncology (ASTRO) Annual Meeting. Chicago, IL. September 2019.

KA Hochstedler, V Helgeson, H Seltman. "Meta-Analytic Review of Pronoun Use and Health and Relationship Outcomes" Society of Behavioral Medicine. New Orleans, LA. April 2018.

KA Hochstedler, G Bell, H Park, E Bell, R Sundaram, A Ghassabian, K Grantz, E Yeung. "Gestational age at birth and early childhood development: the Upstate KIDS Study" NIH Summer Research Program Poster Day. Bethesda, MD. August 2017.

KA Hochstedler. "Meta-Analytic Review of Pronoun Use and Health and Relationship Outcomes" Carnegie Mellon University Meeting of the Minds Symposium. Pittsburgh, PA. May 2017.

KA Hochstedler. "Self-disclosure among Emerging Adult Survivors of Childhood Illness" Carnegie Mellon University Meeting of the Minds Symposium. Pittsburgh, PA. May 2017.

KA Hochstedler, A Black, C Chung, T Vigliotti. "What makes a Great Olympian? Analysis of the 2016 Olympics". Statistical Graphics and Visualization Poster Session. Pittsburgh, PA. April 2017.

KA Hochstedler, VS Helgeson, M Zajdel, H Seltman, M Korytkowski, L Hausmann. "Relations of Couples' Communal and Noncommunal Language to Support and Self-care for People with Type 2 Diabetes". Society of Behavioral Medicine Conference. Washington D.C. April 2016.

I Essien, **KA Hochstedler**. "Problem Solving Among Dating Couples". Carnegie Mellon University Meeting of the Minds Symposium. Pittsburgh, PA. May 2015.

GRANTS

University of Michigan, Rackham Graduate School

- "Bayesian methods to compare dose levels to placebo in a small n sequential multiple assignment randomized trial (snSMART)", Presentation Travel Grant, $800, January 2020

Carnegie Mellon University, Undergraduate Research Office

- "Self-Disclosure among Emerging Adults with Depression and/or Anxiety", Presentation Award, $250, April 2018
- "Illness-Related Self-Disclosure among Emerging Adults with Depression and/or Anxiety", Small Undergraduate Research Grant, $500, August 2017
- "Self-Disclosure among Emerging Adult Survivors of Childhood Illness", Small Undergraduate Research Grant, $500, January 2017
- "Meta-Analytic Review of Pronoun Use and Health and Relationship Outcomes", Summer Undergraduate Research Fellowship, $3500, May 2016
- "Relations of Couples' Communal and Noncommunal Language to Support and Self-care for People with Type 2 Diabetes", Presentation Award, $250, April 2016

HONORS AND AWARDS

Richard G. Cornell Fellowship   December 2019
   For outstanding academic performance in the UM Department
   of Biostatistics

NCAA Woman of the Year Nominee	May 2018
NCAA Post-Graduate Scholarship	May 2018
Carnegie Mellon University Department of Psychology Oral Presentation Competition, Meeting of the Minds, First Prize	May 2018
Judith A. Resnik Award Winner	May 2018
Honors a Senior Woman Graduating from CMU with a technical major	
Dr. William Brown Academic Athletic Achievement Award	May 2018
Awarded to the female student-athlete with the highest cumulative GPA at CMU	
Gretchen Goldsmith Lankford Award Winner	April 2018
Awarded to a Dietrich College graduating senior who has achieved academic distinction, demonstrated accomplishment and potential as a rising educator, and who plans to attend graduate school	
Carnegie Mellon Women's Association Scholarship Winner	April 2018
Awarded to a Dietrich College graduating senior who demonstrates a commitment to the advancement of women in their academic pursuits	
Andrew Carnegie Society Scholar	September 2017
Carnegie Mellon University Dietrich College Senior Honors Program	May 2017
Top Presenter – Statistical Graphics and Visualization Poster Session	May 2017
Carnegie Mellon University Department of Psychology Poster Competition, Meeting of the Minds, First Prize	May 2017
Carnegie Mellon University Department of Statistics Poster Competition, Meeting of the Minds, First Prize	May 2017
Carnegie Mellon University Science and Humanities Scholars Program	November 2013
National Merit Scholarship Finalist	May 2014

TECHNICAL SKILLS

Data Management and Analysis: modeling and model selection, regression analysis, dimension reduction, data visualization, imputation, mixed modeling, clinical trials, basic survival analysis, inverse probability weighting, data manipulation with dplyr, statistical graphics and visualization with ggplot2.

Statistical Software: R, RShiny, RMarkdown, rjags, SAS, SPSS, Excel, cluster computing.

Research: literature reviews, meta-analysis, CITI Training in Human Subjects Research, questionnaire research, report creation and presentation, NIH Approaches to Responsible Practices in Biostatistics.