Aaron Hudson

awhudson@uw.edu

EDUCATION

Ph.D., Biostatistics, University of Washington, Seattle — 2016 - present

B.S., Statistics, *Summa Cum Laude with Highest Distinction in Statistics*, University of Illinois at Urbana-Champaign — 2013-2016

SCHOLARSHIPS AND AWARDS

NSF Graduate Research Fellowship — 2018

Achievement Reward for College Scientists (ARCS) Fellowship — 2016

Department of Biostatistics Excellence Award, Unversity of Washington — 2016

State Farm Scholarship, University of Illinois Department of Statistics — 2015

PUBLICATIONS

Published

[1] Culpepper, S. A., & **Hudson, A.** (2018). An Improved Strategy for Bayesian Estimation of the Reduced Reparameterized Unified Model. Applied psychological measurement, 42(2), 99–115.

[2] Zeigler-Johnson, C., **Hudson, A**., Glanz, K., Spangler, E., & Morales, K. H. (2018). Performance of prostate cancer recurrence nomograms by obesity status: a retrospective analysis of a radical prostatectomy cohort. BMC cancer, 18(1), 1061.

Submitted

[1] **Hudson, A.**, & Shojaie, A. Covariate-Adjusted Inference for Differential Analysis of High-Dimensional Networks. *Submitted*.

[2] **Hudson, A.**, & Shojaie, A. Statistical Inference for Qualitative Interactions with Applications to Precision Medicine and Differential Network Analysis. *Submitted*.

SOFTWARE

`rrum` R package for Bayesian estimation of the reduced Reparameterized Unified Model

PRESENTATIONS

[1] The Restricted Gradient Test: A Nonparametric Score-Type Test for Infinite-Dimensional Risk Minimizers. Joint Statistical Meetings (JSM), Online. August 2020.

[2] Testing Qualitative Interactions: From Precision Medicine to Network Inference. Annual Meeting of The Western North American Region of The International Biometric Society (WNAR), Portland, Oregon. June 2019.

[3] Bayesian estimation of generalized NIDA model with Gibbs sampling. International Meeting of the Psychometric Society. Asheville, North Carolina. June 2016.

[4] An analysis of the interaction between obesity and scores predicting prostate cancer-free survival. American Association for Cancer Research (AACR) Health Disparities Conference, Atlanta, Georgia. November 2015.

[5] An analysis of the interaction between obesity and scores predicting prostate cancer-free survival. The Leadership Alliance National Symposium (LANS), Stamford, Connecticut. July 2015.

SERVICE

Equity, Diversity, and Inclusion Committee, University of Washington Department of Biostatistics — 2017 - present

Admissions Committee, University of Washington Department of Biostatistics — 2020

Student Seminar Co-organizer, University of Washington Department of Biostatistics — 2018-2019

Referee for *Annals of Statistics*

TEACING

Teaching Assistant, BIOST 527: Nonparametric Regression and Classification, University of Washington	2020
Guest Lecturer, BIOST 527: Nonparametric Regression and Classification, University of Washington	2020
Teaching Assistant, Supervised Methods for Machine Learning, Summer Institute for Statistics in Big Data	2020
Teaching Assistant, BIOST 310: Biostatistics in the Health Sciences, University of Washington	2018