

Samantha Morrison

Curriculum Vitae

Brown University
Department of Biostatistics
Providence, RI, 02906

✉ samantha_morrison@brown.edu

Education

- 2016- present **Biostatistics Doctoral candidate**, Brown University, Providence, RI.
◦ Advisors: Constantine Gatsonis, PhD; Jon Steingrímsson, PhD
- 2018 **A.M. Biostatistics**, Brown University, Providence, RI.
- 2016 **B.A. Chemistry**, *magna cum laude*, Pomona College, Claremont, CA.

Academic Experience

- 2017-present **Research Assistant**, Brown University, Center for Statistical Sciences. Research involves analyses for ECOG-ACRIN projects and clinical trials.
- 2020 **Reflective Teaching Certificate**, Brown University Sheridan Center for Teaching and Learning.
I participated in workshops to complete this teaching certificate which focused on critical reflection, inclusive classrooms, classroom communication, learning design, and active learning. This seminar culminated in a micro-teaching presentation.
- 2016-2018 **Teaching Assistant**, Brown University.
◦ PHP 1501 Essentials of Data Analysis (Fall 2016)
◦ PHP 2514 Applied Generalized Linear Models (Spring 2017)
◦ PHP 2550 Practical Data Analysis (Fall 2017, Fall 2018)
- 2018, 2019 **Instructor**, *Biostatistics Review Workshop*, Brown University.
Co-taught Biostatistics review workshop during orientation required for incoming masters students. Workshop included review of calculus, basic probability, probability distributions, and R code.

Presentations

- Morrison, S.**, Steingrímsson, J., and Gatsonis, C. Transportability of loss-based prediction error to a target population under covariate shift.
- May 2020 - Talk: *Brown University Biostatistics PhD Research*, Providence, RI.
- Morrison, S.**, Steingrímsson, J., and Gatsonis, C. Survival Analysis for Deep Learning with Medical Imaging.
- April 2020 - Poster: *Brown University Public Health Research*, Providence, RI.
- July 2019 - Poster: *Joint Statistical Meetings*, Denver, CO.

- June 2019 - Invited Talk: *ICSA Applied Statistics Symposium*, Raleigh, NC.
April 2019 - Poster: *Brown University Public Health Research*, Providence, RI.
April 2019 - Talk: *Brown University Biostatistics PhD Research*, Providence, RI.
Morrison, S., Ahmed F.* , Lu, L.* , Zhao B.* , and Gatsonis, C. Statistical Analysis of Radiomics Data. (*Columbia University)
July 2018 - Poster: *Joint Statistical Meetings*, Vancouver, Canada.
April 2018 - Poster: *Brown University Public Health Research*, Providence, RI.
April 2018 - Talk: *Brown University Biostatistics PhD Research*, Providence, RI.

Publications

- Steingrímsson, J. A., Morrison, S. (2020) Deep Learning for Survival Outcomes. *Statistics in Medicine*. doi:10.1002/sim.8542
Morrison, S., Steingrímsson, J. A., Gatsonis, C. Survival Analysis for Deep Learning with Medical Imaging. (In preparation)

Memberships

- 2019-present Radiological Society of North America (RSNA)
2018-present American Statistical Association (ASA)
2019 International Chinese Statistical Association (ICSA)
2016 Phi Beta Kappa (awarded 2016)

University Service

- 2019-present Doctoral student representative, Department of Biostatistics Academic Programs Committee.