CURRICULUM VITAE

Jon Arni Steingrimsson

PERSONAL INFORMATION

Address: 121 South Main Street, Providence, RI, 02903, Office 720
E-mail: jon_steingrimsson@brown.edu

EDUCATION

2015-2017 Postdoctoral Fellow, Department of Biostatistics, Johns Hopkins University
   Advised By: Michael Rosenblum
2015 Ph.D. Statistics, Cornell University
   Advised By: Robert Strawderman
2010 MS. Statistics, University of Copenhagen
2008 B.S. Mathematics, University of Iceland

ACADEMIC APPOINTMENTS

2017 - Present Assistant Professor, Department of Biostatistics, Brown University

PUBLICATIONS IN PEER-REVIEWED JOURNALS

Underline denotes a student, *denotes senior author.

1. Robertson, S., Steingrimsson, J.A., and Dahabreh, I. Regression-based estimation of heterogeneous treatment effects when extending inferences from a randomized trial to a target population. European Journal of Epidemiology (In Press).
2. Sigurðardóttir, Á, Steingrimsson, A. J, Kristófersson, G. Resilience among Older Adults Living at Home: Urban–Rural Difference in a Population-Based Study Resilience among Older Adults Living at Home. Journal of Gerontology and Geriatrics (In Press).
3. Dahabreh, I.J., Matthews, A., Steingrimsson, J.A., Scharfstein, D.O., Stuart, E.A. Using trial and observational data to assess effectiveness: trial emulation, transportability, benchmarking, and joint analysis. Epidemiologic Reviews (In Press).
4. Dahabreh, I. J., Robertson, S. E., Petito, L. C., Hernán, M. A., and Steingrimsson, J. A.* Efficient and robust methods for causally interpretable meta-analysis: transporting inferences from multiple randomized trials to a target population. Biometrics (In Press).
5. Robertson, S. E., Steingrimsson, J.A., Dahabreh, I.J. Re: Using numerical methods to design simulations: revisiting the balancing intercept. American Journal of Epidemiology (In Press).
6. Steingrimsson, A. J. Fulton J., Howison, M., Novitsky, V., Gillani, F., Bertrand, T., Civitarese, A., Howe, K., Ronquillo, G., Lafazia, B., Parillo, Z., Marak, T., Chan, P.A., Bhattarai, L., Dunn, C., Bandy. U., Scott, N., Hogan, J., Kantor, R. Beyond HIV outbreaks: rationale, study design, and implementation of a prospective study quantifying the benefit of
incorporating viral sequence clustering analysis into routine public health interventions. BMJ Open (In Press).

7. Steingrimsson, A. J. Extending prediction models for use in a new target population with failure time outcomes. Biostatistics. (In Press).

8. Gantenberg, J., McConeghy, K., Howe, C., Steingrimsson, J.A., Aalst, R., Chit, A., Zullo, A. Predicting seasonal influenza hospitalization using an ensemble super learner: a simulation study. American Journal of Epidemiology. (In Press).

9. Ruth C. Carlos, Samilia Obeng-Gyasi, Steven W. Cole, Bradley J. Zebrack, Etta D. Pisano, Melissa A. Troester, Lava Timsina, Lynne I. Wagner, Jon A. Steingrimsson, Christoph I. Lee, Alyce Adams, Consuelo H. Wilkins. Linking Structural Racism and Discrimination and Breast Cancer Outcomes: A Social Genomics Approach. Journal of Clinical Oncology. (In Press).

10. Partridge, S.C., Steingrimsson, J.A., Newitt, D.C., Gibbs, J.E., Marques, H.S, Bolan, P.J., Chenevert, T.L., Rosen, M.A., and Hylton, N.M., (2022). Impact of Alternate b-Value Combinations and Metrics on Predictive Performance and Repeatability of Diffusion-Weighted MRI in Breast Cancer Treatment: Results from the ECOG-ACRIN A6698 Trial. Tomography, 8(2), 701-717.

11. Steingrimsson, J.A., Gatsonis, C., Bing, L., Dahabreh, I. Transporting a prediction model for use in a new target population. American Journal of Epidemiology. (In Press).

12. Vlad Novitsky, Jon A. Steingrimsson, Fizza S. Gillani, Mark Howison, Su Aung, Matthew Solomon, Cindy Y. Won, Amy Brotherton, Rajeev Shah, Casey Dunn, John Fulton, Thomas Bertrand, Anna Civitarese, Katharine Howe, Theodore Marak, Philip Chan, Utpala Bandy, Nicole-Alexander-Scott, Joe Hogan, Rami Kantor. Statewide Longitudinal Trends in Transmitted HIV-1 Drug Resistance in Rhode Island, USA. Open Forum Infectious Diseases. (Vol. 9, No. 1, p. ofab587). US: Oxford University Press.

13. Robertson, S. E, Steingrimsso, J.A., Joyce, N.R, Stuart, E. A., Dahabreh, I. Estimating subgroup effects in generalizability and transportability analyses. (In Press). American Journal of Epidemiology.

14. Robertson, S. E., Steingrimsson, J.A., Dahabreh, I.J. Using numerical methods to design simulations: revisiting the balancing intercept. (In Press). American Journal of Epidemiology.

15. Barker, D.H., Dahabreh, I.J., Steingrimsson, J.A., Houck C , Donenberg G , DiClemente R, Brown, L. (2021). Causally interpretable individual participant data meta-analysis: Application in adolescent HIV prevention. Prevention Science. 1-12.

16. Genberg, B., Wilson-Barthes, M., Omodi, V., Hogan, J., Steingrimsson, J.A. Wachira, J., Pastakia, S., Tran, D., Kiragu, Z., Ruhl, L., Rosenberg, M., Kimaiyo, S., Galarraga, O. (2021). Microfinance, Retention in Care, and Mortality Among Patients Enrolled in HIV Care in Western Kenya. AIDS. 5(12), pp.1997-2005.

17. Novitsky, V., Steingrimsson, J.A, Howison, M., Dunn, C., Gillani, F., Manne, A., Li, Y., Spence, M., Parillo Z., Fulton, J., Marak T., Chan, P., Bertrand, T., Utpala, B., Alexander-Scott, N., Hogan, J., Kantor, R. Longitudinal typing of molecular HIV clusters in a statewide epidemic. AIDS, 35(11), 1711-1722

18. Jones, R., Douglas T., Steingrimsson, J.A., Racine, A., Fong, T., Gou, Y., Hshieh T.,Metzger, D., Schmitt, E., Tabloski, P., Travison, T., Vasunilashorn, S., Abdeen A., Earp B., Kunze, L., Lange, J., Vlassakov, K., Dickerson, B., Marcantonio, E., Inouye, S. (2021). Development and internal validation of a predictive model of cognitive decline 36 months
following elective surgery.

19. Genberg BL, Wachira J, Steingrimsson J.A., Pastakia SD, Tran DN, Said JAK, Braitstein P, Hogan JW, Vedanthan R, Goodrich S, Kafu C, Wilson-Barthes M, Galárraga O. (2021). Integrated Community-Based HIV and Non-Communicable Disease Care within Microfinance Groups in Kenya: Study Protocol for the Harambee Cluster Randomized Trial. BMJ Open. 11(5), e042662.

20. Gunn, R.L., Steingrimsson, J.A., Merrill, J., Souza1, T., Barnett, N.P. (2021). Characterizing Patterns of Alcohol Use Among Heavy Drinkers: A Cluster Analysis Utilizing Alcohol Biosensor Data. Drug and Alcohol review. (In Press).

21. Scharfstein, D., Steingrimsson, J.A., McDermott, A., Wang, C., Ray, S., Campbell, A., Nunes, E., Matthews, A. (2021). Global Sensitivity Analysis of Randomized Trials with Non-Monotone Missing Binary Outcomes: Application to Studies of Substance Use Disorders. Biometrics. (In Press).

22. Yang, J., Dahabreh, I., Steingrimsson, J.A*. (2021). Causal Interaction Trees: Finding Subgroups with Heterogeneous Treatment Effects in Observational Data. Biometrics. (In Press).

23. Kantor, R., Fulton, J., Steingrimsson, J.A., Novitsky, V., Howison, M., Gillani, F., Li, Y., Manne, A., Parillo, Z., Spence, M., Marak, T., Chan, P., Dunn, C., Bertrand, T., Bandy, U., Alexander-Scott, N., Hogan, J. Challenges in Evaluating the Use of Viral Sequence Data to Identify HIV Transmission Networks for Public Health. Statistical Communications in Infectious Diseases. 12(1).

24. Novitsky, V., Steingrimsson, J.A., et al. Empirical Comparison of Analytical Approaches for Identifying Molecular HIV-1 Clusters. Scientific Reports. 10(1), 1-11.

25. Racine, A, Tommet, D., D’Aquila, M., Fong, T, Gou, Y., Tabloski, P., Metzger, E., Hshieh, T, Schmitt, E., Vasunilashorn, S., Kunze, L., Vlassakos, K, Abdeen, A., Lage, J., Earp, B., Dickerson, B., Marcantonio, E, Steingrimsson, J.A., Travison, T., Inouye, S., Jones, R., and the RISE Study Group. Machine learning to predict post-operative delirium in a prospective, observational clinical cohort study of older surgical patients. Journal of General Internal Medicine. 36(2), 265-273.

26. Steingrimsson, J. A., Morrison, S. Deep Learning for Survival Outcomes. (2020). Statistics in Medicine, 39(17), 2339-2349.

27. Dahabreh, I., Petito, L., Robertson, S. E., Hernán, M. A., and Steingrimsson, J. A.* (2020). Towards causally interpretable meta-analysis: transporting inferences from multiple studies to a target population. Epidemiology, 31 (3), 334-344.

28. Pricolo, V., Steingrimsson, J.A., McDuffie, T., McHale, J., McMillen, B., and Shparber, M. (2020). Tumor deposits in stage III colon cancer: correlation with other histopathologic variables, prognostic value and risk stratification – time to consider “N2c”? American Journal of Clinical Oncology, 43 (2), 133.

29. Sigurdardottir, A.K, Kristófersson, G.K, Gústafsdóttir, S.S, Sigurðsson, S.B, Arnadottir, S.A, Steingrimsson, J. A, Gunnarsdóttir, A.G. (2020). Self-Rated Health and Socioeconomic Status among Older Adults in Northern Iceland. International Journal of Circumpolar Health, 78 (1), 1697476.
30. Dahabreh, I.J., Robertson, S.E., Steingrimsson, J. A., Stuart, E. A., and Hernán, M. A. (2020). Transporting inferences from a randomized trial to a new target population. Statistics in Medicine, 39 (14), 1999-2014.

31. Steingrimsson, J.A., Betz, J., Qian, T., and Rosenblum, M. (2019). Optimized Adaptive Enrichment Designs for Three-Arm Trials: Learning which Subpopulations Benefit from Different Treatments. Biostatistics. (In Press).

32. Steingrimsson, J.A., and Yang, J. Subgroup Identification using Covariate Adjusted Interaction Trees. (2019). Statistics in Medicine. 38 (21), 3974-3984.

33. Steingrimsson, J.A.*, Diao, L.*, and Strawderman, R. (2019). Censoring Unbiased Regression Trees and Ensembles. Journal of the American Statistical Association. Volume 525. 370-383.

34. Hu, C., and Steingrimsson, J.A. (2018). Personalized Risk Prediction in Clinical Oncology Research: Applications and Practical Issues Using Survival Trees and Random Forests. Journal of Biopharmaceutical Statistics. Volume 28. 333-349.

35. Steingrimsson, J.A., and Strawderman, R. (2017). Estimation in the Semiparametric Accelerated Failure Time Model with Missing Covariates: Improving Efficiency through Augmentation. Journal of the American Statistical Association. Volume 519. 1221-1235.

36. Steingrimsson, J.A., Hanley, D., and Rosenblum, M. (2017). Improving Precision by Adjusting for Prognostic Baseline Variables in Randomized Trials with Binary Outcomes, without Regression Model Assumptions. Contemporary Clinical Trials. Volume 54. 18-24.

37. Steingrimsson, J.A., Diao, L., Molinaro, A., and Strawderman, R. (2016). Doubly Robust Survival Trees. Statistics in Medicine. Volume 35. Issue 20. 3595 - 3612.

38. Vangay, P., Steingrimsson, J.A., Wiedmann, M., and Stasiewicz, MJ. (2014). Classification of Listeria Monocytogenes Persistence in Retail Delicatessen Environments Using Expert Elicitation and Machine Learning. Risk Analysis. Volume 34. Issue 10. 1830 - 1845.

INVITED PRESENTATIONS

1. “Transportability of Risk Prediction Models. SLAM working group Department of Biostatistics Johns Hopkins University.

2. “Transportability of Risk Prediction Models”. RI IDeA Symposium (Poster presentation). Providence. 2022.

3. “Transportability of Risk Prediction Models”. CAUSALab meeting. Harvard University. 2022

4. “Transportability of Risk Prediction Models”. JSM 2021 (Online).

5. “Deep Learning with Time-to-event Outcomes”. Statistics 2021 Canada conference, 2021 (Online)

6. “Transportability of Risk Prediction Models”. Advanced CTR Translational Research Seminar, 2021 (Online).

7. “Evidence Extension”. Love Data Week, Brown University 2021 (Online).

8. “Is This It? AI for Differential Diagnosis” (Panel Member). CDH Seminar Series 2020 (Online).

9. “Deep Learning with Time-to-event Outcomes”. LIDA, 2021 (Cancelled)

10. “Deep Learning with Time-to-event Outcomes”. IISA, 2021 (Cancelled)

11. “Deep Learning with Time-to-event Outcomes”. ICSA, 2020 (Online)
12. “Deep Learning with Time-to-event Outcomes”. ENAR, 2020 (Online)
13. “Deep Learning with Time-to-event Outcomes”. Boston University Department of Biostatistics, Departmental Seminar, 2020.
14. “Machine Learning for Health Data”. Population Science Group. Providence, 2020.
15. “Using Deep Learning to Build Risk Prediction Models for Time-to-event Outcomes”. Joint Statistical Meetings. Denver CO, 2019.
16. “Subgroup Identification using Covariate Adjusted Interaction Trees”. ICSA Applied Statistics Symposium. Raleigh, NC, 2019.
17. “Deep Learning with Time-to-event Outcomes”. New England Statistics Symposium. Hartford, CT, 2019.
18. “Deep Learning with Time-to-event Outcomes”. Lifetime Data Science Conference. Pittsburgh, PA, 2019.
19. “Subgroup Identification using Covariate Adjusted Interaction Trees” Models and Machine Learning for Causal Inference and Decision Making in Health Research. Providence, 2019.
20. "Optimizing Adaptive Clinical Trial Designs". Brown Data Science Initiative. 2018.
21. "Improving Efficiency Through Augmentation in the Semiparametric Accelerated Failure Time Model With Missing Covariates". International Indian Statistical Association. Gainesville FL, 2018.
22. “Group Sequential Design Comparing Multiple Treatments to a Common Control". International Chinese Statistical Association Conference. Chicago IL, 2017.
23. “Censoring Unbiased Survival Forests". Lifetime Data Science Conference. Storrs CT, 2017.
24. “Analysis of Longitudinal Adherence Measures from HIV Pre-Exposure Prophylaxis Studies". International Chinese Statistical Association Conference. Shanghai, China, 2016.
25. “Estimation in the Semiparametric Accelerated Failure Time Model with Missing Covariates: Improving Efficiency through Augmentation". Survival, Longitudinal, and Multivariate Data Seminar. Johns Hopkins University. Baltimore, MD, 2016.
26. “Censoring Unbiased Survival Ensembles". Causal Inference Seminar Johns Hopkins University. Baltimore MD, 2016.
27. “Censoring Unbiased Survival Trees and Forests”. Survival, Longitudinal, and Multivariate Data Seminar. Johns Hopkins University. Baltimore MD, 2016.
28. “Information Recovery for the Semiparametric Accelerated Failure Time Model for Case-Cohort Studies". Causal Inference Seminar Johns Hopkins University. Baltimore MD, 2015.

CONTRIBUTED PRESENTATIONS

1. “Estimation in the Semiparametric Accelerated Failure Time Model with Missing Covariates: Improving Efficiency through Augmentation. JSM 2020 (Online)
2. “Improving Precision by Adjusting for Prognostic Baseline Variables in Randomized Trials with Binary Outcomes, without Regression Model Assumptions”. World Intracranial Hemorrhage Conference. Baltimore, MD, 2017.
3. “Improving Precision by Adjusting for Prognostic Baseline Variables in Randomized Trials with Binary Outcomes, without Regression Model Assumptions". Annual Meeting of the
Society for Clinical Trials. Liverpool, England, 2017. (Poster Presentation)

4. “Augmented Estimators for Censored Linear Regression for Case-Cohort Studies”. Joint Statistical Meeting. Boston, MA, 2014.

5. “Information Bounds for Censored Linear Regression with Covariates Missing by Design”. Student Seminar, Cornell University. Ithaca, NY, 2012.

HONORS AND AWARDS

2021 Exceptional Reviewer for Journal of the American College of Radiology
2017 Best paper award at LIDA 2017 conference
2015 Outstanding Graduate Teaching Assistant in the Department of Biological Statistics and Computational Biology at Cornell University
2012 A.P. Moller Fonden: Student grant at University of Copenhagen

MEMBERSHIP IN SOCIETIES

2012-Present American Statistical Association
2016-Present Lifetime Data Science Section of the American Statistical Association
2017-Present Eastern North American Region International Biometric Society
2019-present International Chinese Statistical Association

GRANTS

Current Grants

R01 AI136058 Kantor (PI) 03/05/18-02/28/23
NIAID/TMH Subcontract
Real Time Phylogeny and Contact Tracing to Disrupt HIV Transmission
Role: Co-Investigator

R01 MH118075 Galarraga (PI) 07/05/19-08/31/23
NIMH
Harambee: Integrated Community-Based HIV/NCD Care & Microfinance Groups in Kenya
Role: Co-Investigator

U10CA180794 (Gray and Gatsonis) 03/01/19-02/28/25
NCI/Dana Farber Cancer Institute
ECOG-ACRIN Network Group Statistics and Data Management Center
Role: Co-Investigator

2UG1CA189828-06-BRWN-EA2185-PCyst (Sub PI Gatsonis) 08/01/19-07/31/27
EAMRF/NCI
EA2185 Pancreatic Cysts – Main Surveillance
Role: Co-Investigator
2UG1CA189828-06-BRWN-EA2185-PRO (Sub PI Gareen) 11/01/19-07/31/27
EAMRF/NCI
EA2185 Pancreatic Cysts – Patient Reported Outcomes
Role: Co-Investigator

2UG1 CA189828-06-BRWN3 ECOG-ACRIN (Sub PI Gatsonis) 08/01/21-07/31/25
Tomosynthesis Mammographic Imaging Screen Trial (TMIST)
Role: Co-Investigator

Steingrimsson (PI) 07/01/20-06/30/22
NIH/The Miriam Hospital
Subgroup Identification for Therapeutic and Side Effect Response for Dolutegravir using Large Scale HIV Electronic Health Records Data
Amount: $140,385

Steingrimsson (PI) 01/01/21-01/01/23
Patient-Center Outcomes Research Institute
Missing Data when Transporting Treatment Effects from Clinical Trials to a Target Population
Amount: $742,902

Barker and Benito (PI) 7/1/22 – 6/30/25
NIH
What works for Whom in Pediatric OCD

Dahabreh (PI) 2/4/22 – 8/31/25
NIH
Methods for generalizing inferences from cluster randomized controlled trials to target populations

Dahabreh (PI) 8/1/22–7/31/25
PCORI
Randomized Trials and Their Observational Emulations – Benchmarking and Joint Analysis

Robbins (PI) 8/1/22–7/31/25
NIH
The Lung Early Proteins project: A LEAP toward implementing biomarkers in lung cancer screening

Completed Grants

HHSF223201400113C (PI Rosenblum) 07/01/17- 09/30/17
New Design and Analysis Tools for Randomized Trials, With Clinical Applications in Stroke, Cardiac Resynchronization Therapy, Alzheimer's Disease, and HIV Prevention
Funding Agency: FDA
Role: Co-investigator (subcontract PI)

R01 DA046534 (PI Scharfstein) 07/01/18 – 6/30/20
Missing Data Matters: Substance Use Disorder Clinical Trials
Funding Agency: NIH
Role: Co-Investigator (subcontract PI)

Brown Salomon Award (PI Steingrimsson) 04/01/18 – 06/30/20
Deep Learning for Incomplete Data: Individualized Treatment Decisions for Breast Cancer Patients.
Amount: $12,719

Steingrimsson & Dahabreh (MPI) 05/01/20-04/30/21
Advance CTR
Transportability of risk prediction models.
Amount: $59,119

P01 AG031720 Jones (PI) 09/15/18-05/31/23
NIA
Deliirium, Dementia and the Vulnerable Brain: An integrated Approach (Project 4: Defining Phenotype of Complicated Delirium
Role: Co-Investigator (subcontract PI)

ME-1502-27794 Dahabreh (PI) 08/01/20-01/31/21
Patient-Center Outcomes Research Institute
Role: Co-Investigator

U01 CA190254 (PI Schnall Sub PI Gatsonis) 03/20/15-02/28/21 (NCE)
American College of Radiology/NCI
ECOG-ACRIN-Based QIN Resource for Advancing Quantitative Cancer imaging in Clinical Trials

U10 CA180794 03/01/20-02/28/21
ECOG-ACRIN Network Group Statistics and Data Management Center – CDISC
Role: Co-Investigator

U10 CA180794 03/01/20-02/28/21
ECOG-ACRIN Network Group Statistics and Data Management Center – RAVE
Role: Co-Investigator

TEACHING
| Time       | Role         | Course Details                                                                 |
|------------|--------------|--------------------------------------------------------------------------------|
| Spring 2022 | Instructor   | Analysis of Lifetime Data. PHP 2602                                            |
| Fall 2021  | Guest Lectures | Responsible Conduct of Research                                                |
| Fall 2021  | Instructor   | Reading course on semi-parametric theory and estimation (2 students).           |
| Fall 2020  | Instructor   | Analysis of Lifetime Data. PHP 2602                                            |
| Spring 2020| Instructor   | Analysis of Lifetime Data. PHP 2602                                            |
| Fall 2019  | Instructor   | Reading course on semi-parametric theory and estimation (7 students).           |
| Spring 2019| Instructor   | Probability, Statistics, and Machine Learning: Advanced Methods. DATA 2020.    |
| Fall 2018  | Instructor   | Analysis of Lifetime Data. PHP 2602                                            |
| Fall 2017  | Instructor   | Linear Models PHP 2601                                                        |
| Fall 2018  | Guest Lecturer | Guest lecture in Clinical Trials Methodology at Brown University. Topic: Survival Analysis. |
| and 2021   |              |                                                                                 |
| Spring 2016| Short Course | Short course in Survival, Longitudinal, and Multivariate Data Group Johns Hopkins University. Topic: Survival Trees and Forests. |
| Fall 2016  | Guest Lecturer | Guest lecturer in Advanced Inference Class Johns Hopkins University Department of Biostatistics. Topic: Introduction to Empirical Processes for Biostatisticians. |

**ADVISING**

**PhD Students Thesis Supervisor**

1. Jiabei Yang (Graduated 2022): Brown University (Co-advised with Dr. Schmid)
   - Best Doctoral or Post-Doctoral Trainee Poster – 2019 Public Health Research Day
2. Samantha Morrison (Graduated 2021): Brown University (Co-advised with Dr. Gatsonis).
3. Bing Li (Graduated 2022): Brown University (Co-Advised with Dr. Gatsonis)
   - Best Doctoral or Post-Doctoral Trainee Poster – 2020 Public Health Research Day
4. Ruotao Zhang: Brown University (Co-Advised with Dr. Gatsonis)
   - Runner up for Best Doctoral or Post-Doctoral Trainee Poster – 2020 Public Health Research Day
5. Ruofan Bie: Brown University
6. Ryua Kang: Brown University (Co-advised with Dr. Gatsonis).

**Masters Students Thesis Supervisor**
1. Rophence Ojiambo: Brown University.
2. Yanyu Tao: Brown University. Graduated 2022.
3. Yimo Zhang: Brown University Biostatistics, Graduated 2019, First Position: PhD Student Department of Biostatistics at Brown University.
4. Carol Shum: Brown University Biostatistics, Graduated 2019, First Position: PhD Student Department of Epidemiology at UC Davis.
5. Dhananjay Bhaskar: Data Science Initiative Capstone Project, 2019.
6. Yue You: Data Science Initiative Capstone Project, 2019.
7. Shiyun Zou: Data Science Initiative Capstone Project, 2019.
8. Zhen Zheng: Data Science Initiative Capstone Project, 2019.

PhD Committee Member
1. Hongseok Kim, Department of Epidemiology, Brown University. Graduated 2021
2. Sarah Robertson, Department of Epidemiology, Brown University. Graduated 2021
3. Bishnu Thapa, Department of Epidemiology, Brown University.
4. Yimo Zhang, Department of Biostatistics, Brown University.

Master’s Thesis Reader
1. Kira Raskina 2019-2020
2. Camilla Calmasini 2019-2020
3. Chengzhao Tu 2019-2020
4. Yanning Wu 2020-2021

Undergraduate Project Supervisor
1. Henry Jacob (thesis) 2020
2. Juan Muneton (thesis) 2021
3. Nathan Provost (thesis) Expected 2023
4. Samuel Rhee (capstone project) 2022

Academic Advisor:
1. Kexin Qu PhD Student (2017-2019)
2. Ruotao Zhang PhD Student (2018-2019)
3. Blake Hansen Masters Student (2018-2019)
4. Kira Raskina Masters Student (2018-2019)
5. Camilla Calmasini Masters Student (2018-2019)
6. Yanning Wu Masters Student (2019-2020)
7. Chun Park Masters Student (2019-2020)
8. Alyson Singleton Masters Student (2019-2020)
9. Patricia Vera-gonzalez Masters Student (2019-2020)
10. Ranran Chen Masters Student (2019-2020)
11. Yingjie Zhou (2021-2022)

DEPARTMENTAL SERVICE
1. Program Director of NextGen Scholarship program (2022-present)
2. Chair of Diversity and inclusion committee, 2018-present
3. Member of Diversity and inclusion committee, 2017
4. Senior Scholar Search Committee. Department of Biostatistics Brown University 2021.
5. Master’s thesis award committee 2018-2019
6. Seminar Co-Organizer. Department of Biostatistics Brown University 2018-2019, 2019-2020, and 2021-2022
7. PhD admission committee 2017-2020
8. Academic programs committee 2019-2020
9. Deep Learning Working Group Organizer 2019-2020
10. Radiomics Working Group Organizer 2020-2022
11. Faculty Lightning Talk Organizer 2019

UNIVERSITY SERVICE

1. Advanced CTR Machine Learning Seminar Series Organizing Committee 2021
2. School of Public Health Day Abstract Reviewer 2022
3. Brown Salomon Awards Reviewer 2020 and 2021
4. Faculty Search Committee. Data Science Initiative 2018-2019 and 2019-2020
5. Member of School of Public Health Diversity and Inclusion Committee 2018-2021
6. Mentor at Health Hackathon 2017
7. Statistical consulting at Cornell University (3 Semesters)
8. Statistical consulting at University of Iceland (1 Semester)
9. School of Public Health Day Poster Session Judge

PROFESSIONAL SERVICE

1. Organizing committee of Advanced CTRs Machine Learning Seminar Series 2021.
2. NIH Ad hoc reviewer October 2020
3. PCORI consultation 2021.
4. Reviewer for Medical Research Counsel Career Development Award 2021.
5. CFAR reviewer 2021.
6. Judge for 2019 Student Paper Competition for ASA Stat Computing/Graphics Sections.
7. Session chair at New England Statistics Symposium. Hartford CT, 2019.
8. Panelist for Statistics and Data Science Careers at Cornell University. May 2017.
9. Organizer and chair of invited session at Lifetime Data Science Conference, JSM, and NESS.

EDITORIAL BOARD ACTIVITIES
Statistical editor for the Journal of the American College of Radiology (2021-present).

REVIEWER
Journal of the Royal Statistical Society B, Journal of the American Statistical Association Theory and Methods, Journal of the American Statistical Association Application and Case Studies, Statistics in Medicine, Biostatistics, Biometrics, Computational Statistics & Data Analysis, Journal of the Korean Statistical Society, International Journal of Biostatistics, Scandinavian Journal of Statistics, Biometrika, BMJ Open, Biometrical Journal, The Canadian Journal of Statistics, Computational and Mathematical Methods in Medicine, PLOS One, BMC Medical Research Methodology, Journal of Statistical Computation and Simulation, Nature Communications, Annals of Applied Statistics, Journal of Machine Learning Research, Lifetime and Data Analysis, Bioinformatics, Circulation, BMC Medical Research Methodology, Journal of the Royal Statistical Society C, American Statistician, Breast Cancer Research, Journal of the National Comprehensive Cancer Network, American Journal of Epidemiology, Journal of the Royal Statistical Society A.