

# Nima Hejazi

655 Huntington Ave.  
Bldg. 1, Rm. № 411  
Boston, MA 02115

✉ [nhejazi@hsph.harvard.edu](mailto:nhejazi@hsph.harvard.edu)  
🌐 [nimahejazi.org](http://nimahejazi.org)

## Curriculum Vitæ

updated: 14<sup>th</sup> March 2026

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### Research Interests

- Methodology and Theory statistical causal inference; causal machine learning; semi-parametric inference; assumption-lean inference; non-parametric estimation; statistical machine learning; statistics for epidemiology; computational statistics; statistical and numerical computing; open-source software for statistics; reproducible research; statistical data science; applied statistics
- Applied Sciences infectious diseases—clinical trials, surrogate endpoint and biomarker development, epidemiology; cancer—clinical trials, real-world evidence, implementation science; precision medicine and health; computational biology; neuropsychiatry and neurology; comparative effectiveness studies

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### Formal Education

- 2021 **Doctor of Philosophy (Ph.D.)—Biostatistics**, *University of California, Berkeley*, Berkeley, CA  
Designated emphasis (doctoral minor) in Computational and Genomic Biology  
Thesis: *Semiparametric statistical methods for causal inference with stochastic treatment regimes*
- 2017 **Master of Arts (M.A.)—Biostatistics**, *University of California, Berkeley*, Berkeley, CA
- 2015 **Bachelor of Arts (B.A)**, *University of California, Berkeley*, Berkeley, CA  
Triple major in Molecular and Cell Biology (emph. Neurobiology), Psychology, and Public Health

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### Primary Appointments

- 2022–now **Assistant Professor of Biostatistics**, *Harvard Chan School of Public Health*, Boston, MA  
Department of Biostatistics
- 2021–2022 **NSF Mathematical Sciences Postdoctoral Fellow**, *Weill Cornell Medicine*, New York, NY  
Division of Biostatistics, Department of Population Health Sciences (Sponsor: Prof. Iván Díaz)

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### Secondary and Affiliate Appointments

- 2025–now **Faculty Member**, *Harvard–MIT Program in Health Sciences and Technology*, Boston, MA  
Harvard Medical School and Massachusetts Institute of Technology
- 2023–now **Faculty Member**, *Dana-Farber / Harvard Cancer Center*, Boston, MA  
Programs in Cancer Data Sciences and Cancer Epidemiology
- 2023–now **Associate Member**, *The Broad Institute of MIT and Harvard*, Cambridge, MA
- 2023–now **Faculty Affiliate**, *Massachusetts General Hospital Biostatistics*, Somerville, MA
- 2022–now **Faculty Affiliate**, *Harvard Data Science Initiative, Harvard University*, Cambridge, MA
- 2022–now **Faculty Affiliate**, *Institute for Quantitative Social Science, Harvard University*, Cambridge, MA
- 2023–2025 **Faculty Affiliate**, *Harvard–MIT Program in Health Sciences and Technology*, Boston, MA  
Harvard Medical School and Massachusetts Institute of Technology
- 2021–2022 **Affiliate Postdoctoral Researcher**, *Fred Hutchinson Cancer Research Center*, Seattle, WA  
Vaccine and Infectious Disease Division (Sponsor: Prof. Peter B. Gilbert)

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### Selected Experience

- 2018–now **Statistical and Data Science Consultant**
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- 2017–2021 **Graduate Student Researcher**, *University of California, Berkeley*, Berkeley, CA  
Division of Biostatistics, School of Public Health (Advisor: Prof. Mark J. van der Laan)
- 2016–2021 **Graduate Student Researcher**, *University of California, Berkeley*, Berkeley, CA  
Division of Biostatistics, School of Public Health (Advisor: Prof. Alan E. Hubbard)
- 05–08/2021 **Research Data Scientist Intern**, *Netflix*, Los Gatos, CA  
Payments & Partnerships, Data & Insights (Supervisor: Dr. Wenjing Zheng)
- 10–12/2020 **Research Data Scientist Intern**, *SiriusXM/Pandora*, Oakland, CA  
Shared Science Foundation, Science & Music Analysis (Supervisor: Dr. Samuel D. Lendle)
- 06–09/2020 **Research Data Scientist Intern**, *Netflix*, Los Gatos, CA  
Payments & Partnerships, Data Science & Engineering (Supervisor: Dr. Wenjing Zheng)
- 2018–2019 **Biostatistician Intern**, *Kaiser Permanente Division of Research*, Oakland, CA  
Biostatistics Core (Supervisor: Dr. Romain S. Neugebauer)

## Selected Awards and Honors

- July 2024 Early Career Investigator Development Award, Harvard University Center for AIDS Research
- April 2022 Early Career Scholar Travel Award, American Causal Inference Conference
- Sep. 2022 Mathematical Sciences Postdoctoral Research Fellowship (MSPRF), National Science Foundation
- April 2021 Participation Scholarship, Summer Institute in Statistics and Modeling in Infectious Diseases, Department of Biostatistics, University of Washington
- June 2020 The Wallace Lowe Fellowship, School of Public Health, University of California, Berkeley
- May 2020 Student Travel Award for the Joint Statistical Meetings, San Francisco Bay Area Chapter of the American Statistical Association
- May 2019 Tom Ten Have Memorial Award (for “exceptionally creative or skillful research in causal inference”), Atlantic Causal Inference Conference
- May 2019 Student Travel Award for the Joint Statistical Meetings, San Francisco Bay Area Chapter of the American Statistical Association
- April 2019 The Eki & Nobuta Akahoshi and Seiko Baba Brodbeck Endowed Fund Scholarship, School of Public Health, University of California, Berkeley
- April 2019 Travel Scholarship, BioC 2019: Where Software and Biology Connect, Bioconductor Foundation
- June 2018 Travel Scholarship, BioC 2018: Where Software and Biology Connect, Bioconductor Foundation
- April 2018 The Wellness Scholarship in Honor of Chin Long Chiang, School of Public Health, University of California, Berkeley
- Aug. 2017 Biomedical Big Data Training Fellowship (NIH/NLM T32), University of California, Berkeley
- April 2017 Participation Scholarship, Summer Institute in Statistics for Big Data, Department of Biostatistics, University of Washington
- May 2017 Honorable Mention for the Tom Ten Have Memorial Award (for “exceptionally creative or skillful research in causal inference”), Atlantic Causal Inference Conference
- June 2015 Summer Training Fellowship, Summer Institute in Biostatistics (NIH/NHLBI R25), Department of Biostatistics & Medical Informatics, University of Wisconsin — Madison

## Publications

♣ Total citations: 3197	◆ h-index: 21	◆ i10-index: 36
👑 Equal contribution or co-first authorship, usually listed alphabetically.		
🕒 Individual was a student or postdoctoral advisee at the time of writing.		

*In Preparation*

- [68] S.V. Balkus<sup>✉</sup>, C. Testa<sup>✉</sup>, and **N.S. Hejazi**, “A Riesz representer perspective on targeted learning,” Invited: *International Journal of Biostatistics*, 2027.
- [67] S.V. Balkus<sup>✉</sup>, H. Laith<sup>✉</sup>, and **N.S. Hejazi**, “On the use of cross-fitting in causal machine learning with correlated units,” Target: *Biometrics*, 2026. [Online]. Available: <https://arxiv.org/abs/2601.10899>
- [66] **N.S. Hejazi**, I. Díaz, and M.J. van der Laan, “Efficient estimation of modified treatment policy effects based on the generalized propensity score,” Target: *Journal of Causal Inference*, 2026. [Online]. Available: <https://arxiv.org/abs/2205.05777>
- [65] **N.S. Hejazi**, H.T. Reeder, W. Huang, T. Thaweethai, and A.S. Foulkes, “Auxiliary variable-dependent sampling in observational studies with application to Long COVID research,” Target: *Biometrics*, 2026.
- [64] C. Jiang<sup>✉</sup>, M.D. Hughes, and **N.S. Hejazi**, “Evaluating causal indirect effects when mediators are informatively censored by assay detection limits,” Target: *Biostatistics*, 2026.

#### Under Review

- [63] K. Barnatchez<sup>✉</sup>, K.P. Josey, **N.S. Hejazi**, B.E. Shepherd, G. Parmigiani, and R.C. Nethery, “Efficient estimation of causal effects under two-phase sampling with error-prone outcome and treatment measurements,” under review at *Biostatistics*, 2026. [Online]. Available: <https://arxiv.org/abs/2506.21777>
- [62] P. Boileau<sup>✉</sup>, **N.S. Hejazi**<sup>✉</sup>, I. Malenica<sup>✉</sup>, P.B. Gilbert, S. Dudoit, and M.J. van der Laan, “Inference on direct causal effects under unmeasured exposure–mediator confounding with applications to assessing immune correlates of protection,” under review at *Biostatistics*, 2026.
- [61] Z. He, B. Chu, J. Yang, J. Gu, Z. Chen, L. Liu, T. Morrison, M.E. Belloy, X. Qi, **N.S. Hejazi**, M. Mathur, Y. Le Guen, H. Tang, T. Hastie, I. Ionita-Laza, E. Candès, and C. Sabatti, “Beyond guilty by association at scale: Searching for causal variants on the basis of genome-wide summary statistics,” revision invited at *Genome Biology*, 2026. DOI: [10.1101/2024.02.28.582621](https://doi.org/10.1101/2024.02.28.582621)
- [60] T.F. Menkir<sup>✉</sup>, B. Citarella, L. Sigfrid, Y. Doshi, F. Reyes, J.A. Calvache, A.B. Kildal, A.B. Nygaard, J.C. Holter, P.K. Panda, W. Jassat, L. Merson, C.A. Donnelly, M. Santillana, C. Buckee, S. Verguet, **N.S. Hejazi**, and on behalf of the ISARIC Clinical Characterisation Group, “Modeling the relative influence of socio-demographic variables on post-acute COVID-19 quality of life: An application to settings in Europe, Asia, Africa, and South America,” under review at *Nature Health*, 2026. DOI: [10.1101/2024.02.21.24303099](https://doi.org/10.1101/2024.02.21.24303099) PubMed ID: [39040190](https://pubmed.ncbi.nlm.nih.gov/39040190/), PubMedCentral: [PMC11261939](https://pubmed.ncbi.nlm.nih.gov/PMC11261939/).
- [59] R. Nabi, **N.S. Hejazi**, M.J. van der Laan, and D. Benkeser, “Statistical learning for constrained functional parameters in infinite-dimensional models with applications in fair machine learning,” revision invited at *Journal of the American Statistical Association*, 2026. [Online]. Available: <https://arxiv.org/abs/2404.09847>

#### Statistical Methodology (refereed)

- [58] S.V. Balkus<sup>✉</sup>, S. Delaney, and **N.S. Hejazi**, “The causal effects of modified treatment policies under network interference,” *Journal of the Royal Statistical Society, Series B: Statistical Methodology*, vol. (in press), 2026. DOI: [10.1093/jrsss/qkag052](https://doi.org/10.1093/jrsss/qkag052)
- [57] P. Boileau, N. Leng, **N.S. Hejazi**, M.J. van der Laan, and S. Dudoit, “A nonparametric framework for treatment effect modifier discovery in high dimensions,” *Journal of the Royal Statistical Society, Series B: Statistical Methodology*, vol. 87, no. 1, pp. 157–185, 2025. DOI: [10.1093/jrsss/qkae084](https://doi.org/10.1093/jrsss/qkae084)
- [56] I. Díaz, N.T. Williams, K.L. Hoffman, and **N.S. Hejazi**, “Causal survival analysis under competing risks using longitudinal modified treatment policies,” *Lifetime Data Analysis*, vol. 30, pp. 213–236, 2024. DOI: [10.1007/s10985-023-09606-7](https://doi.org/10.1007/s10985-023-09606-7) PubMed ID: [37620504](https://pubmed.ncbi.nlm.nih.gov/37620504/).

- [55] P. Boileau, **N.S. Hejazi**, M.J. van der Laan, and S. Dudoit, “Cross-validated loss-based covariance matrix estimator selection in high dimensions,” *Journal of Computational and Graphical Statistics*, vol. 32, no. 2, pp. 601–612, 2023. DOI: [10.1080/10618600.2022.2110883](https://doi.org/10.1080/10618600.2022.2110883) PubMed ID: [37273839](https://pubmed.ncbi.nlm.nih.gov/37273839/), PubMedCentral: [PMC10237052](https://pubmed.ncbi.nlm.nih.gov/PMC10237052/).
- [54] A. Ertefaie, **N.S. Hejazi**, and M.J. van der Laan, “Nonparametric inverse-probability-weighted estimators based on the highly adaptive lasso,” *Biometrics*, vol. 79, no. 2, pp. 1029–1041, 2023. DOI: [10.1111/biom.13719](https://doi.org/10.1111/biom.13719) PubMed ID: [35839293](https://pubmed.ncbi.nlm.nih.gov/35839293/), PubMedCentral: [PMC9840713](https://pubmed.ncbi.nlm.nih.gov/PMC9840713/).
- [53] **N.S. Hejazi**, P. Boileau, M.J. van der Laan, and A.E. Hubbard, “A generalization of moderated statistics to data adaptive semiparametric estimation in high-dimensional biology,” *Statistical Methods in Medical Research*, vol. 32, no. 3, pp. 539–554, 2023. DOI: [10.1177/09622802221146313](https://doi.org/10.1177/09622802221146313) PubMed ID: [36573044](https://pubmed.ncbi.nlm.nih.gov/36573044/).
- [52] **N.S. Hejazi**, K.E. Rudolph, M.J. van der Laan, and I. Díaz, “Nonparametric causal mediation analysis for stochastic interventional (in)direct effects,” *Biostatistics*, vol. 24, no. 3, pp. 686–707, 2023. DOI: [10.1093/biostatistics/kxac002](https://doi.org/10.1093/biostatistics/kxac002) PubMed ID: [35102366](https://pubmed.ncbi.nlm.nih.gov/35102366/), PubMedCentral: [PMC10345989](https://pubmed.ncbi.nlm.nih.gov/PMC10345989/).
- [51] H. Li, S. Rosete, J. Coyle, R.V. Phillips, **N.S. Hejazi**, I. Malenica, B.F. Arnold, J. Benjamin-Chung, A. Mertens, J.M. Colford Jr., M.J. van der Laan, and A.E. Hubbard, “Evaluating the robustness of targeted maximum likelihood estimators via realistic simulations in nutrition intervention trials,” *Statistics in Medicine*, vol. 41, no. 12, pp. 2132–2165, 2022. DOI: [10.1002/sim.9348](https://doi.org/10.1002/sim.9348) PubMed ID: [35172378](https://pubmed.ncbi.nlm.nih.gov/35172378/), PubMedCentral: [PMC10362909](https://pubmed.ncbi.nlm.nih.gov/PMC10362909/).
- [50] I. Díaz, **N.S. Hejazi**, K.E. Rudolph, and M.J. van der Laan, “Non-parametric efficient causal mediation with intermediate confounders,” *Biometrika*, vol. 108, no. 3, pp. 627–641, 2021. DOI: [10.1093/biomet/asaa085](https://doi.org/10.1093/biomet/asaa085)
- [49] **N.S. Hejazi**, M.J. van der Laan, H.E. Janes, P.B. Gilbert, and D.C. Benkeser, “Efficient non-parametric inference on the effects of stochastic interventions under two-phase sampling, with applications to vaccine efficacy trials,” *Biometrics*, vol. 77, no. 4, pp. 1241–1253, 2021. DOI: [10.1111/biom.13375](https://doi.org/10.1111/biom.13375) PubMed ID: [32949147](https://pubmed.ncbi.nlm.nih.gov/32949147/), PubMedCentral: [PMC8016405](https://pubmed.ncbi.nlm.nih.gov/PMC8016405/).
- [48] **N.S. Hejazi**, W. Zheng, and S. Anand, “A framework for causal segmentation analysis with machine learning in large-scale digital experiments,” *Conference on Digital Experimentation at MIT*, vol. 8<sup>th</sup> (annual), 2021. [Online]. Available: <https://arxiv.org/abs/2111.01223>
- [47] P. Boileau, **N.S. Hejazi**, and S. Dudoit, “Exploring high-dimensional biological data with sparse contrastive principal component analysis,” *Bioinformatics*, vol. 36, no. 11, pp. 3422–3430, 2020. DOI: [10.1093/bioinformatics/btaa176](https://doi.org/10.1093/bioinformatics/btaa176) PubMed ID: [32176249](https://pubmed.ncbi.nlm.nih.gov/32176249/).
- [46] I. Díaz and **N.S. Hejazi**, “Causal mediation analysis for stochastic interventions,” *Journal of the Royal Statistical Society, Series B: Statistical Methodology*, vol. 82, no. 3, pp. 661–683, 2020. DOI: [10.1111/rssb.12362](https://doi.org/10.1111/rssb.12362)
- Applied Sciences (refereed)*
- [45] H.E. Janes, Y. Fong, Y. Huang, D. Benkeser, E.J. Kelly, I. Hirsch, A.M. Stanley, T. Villafana, C.J. Petropoulos, A. Leith, D. Haugaard, B. Webb, Y. Lu, C. Yu, B. Borate, L.W.P. van der Laan, **N.S. Hejazi**, A.K. Randhawa, M.P. Andrasik, J.G. Kublin, M.B. Isaacs, M. Makhene, T. Tong, M.L. Robb, L. Corey, K.M. Neuzil, D. Follmann, A.R. Falsey, M.E. Sobieszczyk, R.A. Koup, P.B. Gilbert, and on behalf of the AstraZeneca AZD1222 Clinical Study Group; the Immune Assays Team; and the United States Government (USG)/CoVPN Biostatistics Team, “Correlates of severe and delta COVID-19 in a phase 3 trial of the AZD1222 vaccine,” *npj Vaccines*, vol. (in press), 2026.
- [44] T. Struja, L.H. Hansen, J. Matos, J. Gómez Álvarez, A. Pardo, I. Lourentzou, **N.S. Hejazi**, L.A. Celi, and A.K. Waschka, “What is the ideal glucose range for a patient with sepsis in the ICU? A retrospective analysis of MIMIC-IV,” *BMJ Open*, vol. 16, no. 1, e104916, 2026. DOI: [10.1136/bmjopen-2025-104916](https://doi.org/10.1136/bmjopen-2025-104916) PubMed ID: [41605594](https://pubmed.ncbi.nlm.nih.gov/41605594/), PubMedCentral: [PMC12853541](https://pubmed.ncbi.nlm.nih.gov/PMC12853541/).

- [43] A.S. Adams, C. Lee, G. Escobar, E.A. Bayliss, B. Callaghan, R.W. Grant, M. Horberg, J.A. Schmittiel, C.M. Trinacty, R. Dlott, L.K. Gilliam, E. Kim, H. Lew, M. Motooka, A. Cosyleon, **N.S. Hejazi**, L. Ma, and R. Neugebauer, "Estimating the risk of lower extremity complications in adults newly diagnosed with diabetic polyneuropathy: Retrospective cohort study," *JMIR Diabetes*, vol. 10, e60141, 2025. DOI: [10.2196/60141](https://doi.org/10.2196/60141) PubMed ID: [40440641](https://pubmed.ncbi.nlm.nih.gov/40440641/), PubMedCentral: [PMC12140504](https://pubmed.ncbi.nlm.nih.gov/PMC12140504/).
- [42] S.V. Beentjes, A.M. Méharon, J. Kaczmarczyk, A. Cassar, G.L. Samms, **N.S. Hejazi**, A. Khamseh, and C.P. Ponting, "Replicated blood-based biomarkers for myalgic encephalomyelitis not explicable by inactivity," *EMBO Molecular Medicine*, pp. 1–24, 2025. DOI: [10.1038/s44321-025-00258-8](https://doi.org/10.1038/s44321-025-00258-8) PubMed ID: [40537675](https://pubmed.ncbi.nlm.nih.gov/40537675/), PubMedCentral: [PMC12254397](https://pubmed.ncbi.nlm.nih.gov/PMC12254397/).
- [41] L.N. Carpp, O. Hyrien, Y. Fong, D. Benkeser, S. Roels, D.J. Stieh, I. Van Dromme, G.A. Van Roey, A. Kenny, M. Carone, A.B. McDermott, C.R. Houchens, K. Martins, L. Jayashankar, F. Castellino, O. Amoa-Awua, M. Basappa, B. Flach, B.C. Lin, C.R. Moore, M. Naisan, M. Naqvi, S. Narpala, S. O'Connell, A. Mueller, L. Serebryanny, M. Castro, J. Wang, C.J. Petropoulos, A. Luedtke, Y. Lu, C. Yu, M. Juraska, **N.S. Hejazi**, D.N. Wolfe, J. Sadoff, G.E. Gray, B. Grinsztejn, P.A. Goepfert, L.-G. Bekker, A.H. Gaur, V.G. Veloso, A.K. Randhawa, M.P. Andrasik, J. Hendriks, C. Truysers, A. Vandebosch, F. Struyf, H. Schuitemaker, M. Douoguih, J.G. Kublin, L. Corey, K.M. Neuzil, D. Follmann, R.A. Koup, R.O. Donis, P.B. Gilbert, and on behalf of the Immune Assays Team; the Coronavirus Prevention Network (CoVPN)/ENSEMBLE Team; and the United States Government (USG)/CoVPN Biostatistics Team, "Neutralizing antibody correlate of vaccine protection against severe-critical COVID-19 in the ENSEMBLE single-dose Ad26.COVS vaccine efficacy trial," *Nature Communications*, vol. 15, no. 9785, 2024. DOI: [10.1038/s41467-024-53727-y](https://doi.org/10.1038/s41467-024-53727-y) PubMed ID: [39532861](https://pubmed.ncbi.nlm.nih.gov/39532861/), PubMedCentral: [PMC11557889](https://pubmed.ncbi.nlm.nih.gov/PMC11557889/).
- [40] M. Juraska, A.M. Early, L. Li, S.F. Schaffner, M. Lievens, A. Khorgade, B. Simpkins, **N.S. Hejazi**, D. Benkeser, Q. Wang, L.D. Mercer, S. Adjei, T. Agbenyega, S. Anderson, D. Ansong, D.K. Bii, P.B.Y. Buabeng, S. English, N. Fitzgerald, J. Grimsby, S.K. Kariuki, K. Otieno, F. Roman, A.M. Samuels, N. Westercamp, C.F. Ockenhouse, O. Ofori-Anyinam, C.K. Lee, B.L. MacInnis, D.F. Wirth, P.B. Gilbert, and D.E. Neafsey, "Genotypic analysis of RTS,S/AS01E malaria vaccine efficacy against parasite infection as a function of dosage regimen and baseline malaria infection status in children aged 5–17 months in Ghana and Kenya: A longitudinal phase 2b randomised controlled trial," *The Lancet Infectious Diseases*, vol. 24, no. 9, pp. 1025–1036, 2024. DOI: [10.1016/S1473-3099\(24\)00179-8](https://doi.org/10.1016/S1473-3099(24)00179-8) PubMed ID: [38723650](https://pubmed.ncbi.nlm.nih.gov/38723650/), PubMedCentral: [PMC11339203](https://pubmed.ncbi.nlm.nih.gov/PMC11339203/).
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- [38] D. Benkeser<sup>✉</sup>, Y. Fong<sup>✉</sup>, H.E. Janes, E.J. Kelly, I. Hirsch, S. Sproule, A.M. Stanley, J. Maaske, T. Villafana, C.R. Houchens, K. Martins, L. Jayashankar, F. Castellino, V. Ayala, C.J. Petropoulos, A. Leith, D. Haugaard, B. Webb, Y. Lu, C. Yu, B. Borate, L.W.P. van der Laan, **N.S. Hejazi**, L.N. Carpp, A.K. Randhawa, M.P. Andrasik, J.G. Kublin, M.B. Isaacs, M. Makhene, T. Tong, M.L. Robb, L. Corey, K.M. Neuzil, D. Follmann, C. Hoffman, A.R. Falsey, M. Sobieszczyk, R.A. Koup, R.O. Donis, P.B. Gilbert, and on behalf of the AstraZeneca AZD1222 Clinical Study Group; the Immune Assays Team; and the United States Government (USG)/CoVPN Biostatistics Team, "Immune correlates analysis of a phase 3 trial of the AZD1222 (ChAdOx1 nCoV-19) vaccine," *npj Vaccines*, vol. 8, no. 36, 2023. DOI: [10.1038/s41541-023-00630-0](https://doi.org/10.1038/s41541-023-00630-0) PubMed ID: [36899062](https://pubmed.ncbi.nlm.nih.gov/36899062/), PubMedCentral: [PMC10005913](https://pubmed.ncbi.nlm.nih.gov/PMC10005913/).

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## Presentations

- ♠ Invited or selected for inclusion in an organized conference session, seminar series, or workshop.  
 👑 Equal contribution or co-first authorship, usually listed alphabetically.  
 🎓 Individual was a student or postdoctoral advisee at the time of writing.

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- Conference and Symposia Posters*
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- [11] M. Juraska, A.M. Early, A. Khorgade, S.F. Schaffner, M. Lievens, C.A. Margaret, B. Simpkins, **N. Hejazi**, D. Benkeser, L.D. Mercer, S. Adjei, T. Agbenyega, D. Ansong, D. Bii, A. Bollaerts, P.B.Y. Buabeng, S. Kariuki, K. Otieno, F. Roman, A.M. Samuels, N. Westercamp, C. Ockenhouse, O. Ofori-Anyinam, C.K. Lee, B.L. MacInnis, P.B. Gilbert, D.F. Wirth, and D.E. Neafsey, “Efficacy against molecular infection of fractional-dose RTS,S/AS01<sub>E</sub> malaria vaccine regimens under natural exposure in a phase 2b trial with monthly blood sampling,” American Society of Tropical Medicine and Hygiene, Seattle, WA, USA, Nov. 2022.
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## Software

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 Individual was a student or postdoctoral advisee at the time of writing.

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## Research Support and Funding

### Current

- 08/2025–now The Mass partnership for community-engaged cancer control equity
- Source: National Cancer Institute [U19-CA291431](#) (project terminated in May 2025 by U.S. government action determined to be unlawful in Sep. 2025; project reinstated in Oct. 2025)
  - Role: Co-Investigator (PI: K. M. Emmons)
- 05/2025–now Statistical methods in COVID-19/PASC clinical research
- Source: National Heart, Lung, and Blood Institute [R01-HL162373](#)
  - Role: Co-Investigator (PI: A. S. Foulkes)
- 09/2024–now Comparing TB regimen efficacy under HIV co-infection with causal and statistical learning
- Source: Harvard University Center for AIDS Research via National Institute of Allergy and Infectious Diseases [P30-AI060354](#) (project terminated in Mar. 2025 by U.S. government action determined to be unlawful in Sep. 2025; project reinstated in Oct. 2025)
  - Role: Principal Investigator
- 08/2023–now Interactive data portals and robust analytic tools to wrap PASC cohorts (iDRAW)
- Source: National Heart, Lung, and Blood Institute [OT2-HL161841](#)
  - Role: Co-Investigator (MPIs: A. S. Foulkes, E. W. Karlson, S. N. Murphy)

### Completed

- 2024–2025 Assessment of the implementation of service delivery redesign (SDR) in Kakamega, Kenya
- Source: Bill and Melinda Gates Foundation INV-028724
  - Role: Co-Investigator (PI: K. Croke)
- 2024–2025 Statistical and data management center (SDMC), AIDS Clinical Trials Group (ACTG)
- Source: National Institute of Allergy and Infectious Diseases [UM1-AI068634](#) (project terminated in Mar. 2025 by U.S. government action determined to be unlawful in Sep. 2025; project reinstated in Oct. 2025)
  - Role: Research Statistician (MPIs: M. D. Hughes, M. A. Cooper)
- 2023–2025 Causal, statistical and mathematical modeling with serologic data
- Source: National Cancer Institute [U01-CA261277](#) (project terminated in Mar. 2025 by U.S. government action determined to be unlawful in Sep. 2025)
  - Role: Co-Investigator (MPIs: M. Lipsitch, W. Hanage)
- 2021–2022 Nonparametric causal inference in complex randomized and observational studies
- Source: National Science Foundation [DMS-2102840](#) (guaranteed through Aug. 2023)
  - Role: Principal Investigator (as postdoctoral research fellow)

- 2017–2021 Causal effects of endogenous and exogenous risk factors for wasting
- Source: Bill and Melinda Gates Foundation INV-010551
  - Role: Predoctoral Research Assistant (PI: M. J. van der Laan)
- 2018–2019 Predicting conversion from prediabetes to diabetes
- Source: Kaiser Permanente Division of Research
  - Role: Biostatistical Research Analyst (PI: J. A. Schmittdiel)
- 2017–2018 UC Berkeley Biomedical Big Data (BBD) training program
- Source: National Library of Medicine [T32-LM012417](#)
  - Role: Predoctoral Research Trainee (PI: M. J. van der Laan)
- 2016–2017 Molecular mechanisms of obesity in children exposed to phthalates in utero
- Source: National Institute of Environmental Health Sciences [R01-ES021369](#)
  - Role: Predoctoral Research Assistant (PI: N. T. Holland)
- 2016–2017 Toxic substances in the environment
- Source: National Institute of Environmental Health Sciences [P42-ES004705](#)
  - Role: Predoctoral Research Assistant (PI: M. T. Smith)

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## Service and Affiliations

### Associate Editorships

- 2025–now *PCI StatML*
- 2025–now *rOpenSci* (Statistical Software Review)
- 2023–now *Journal of Causal Inference*
- 2022–now *The International Journal of Biostatistics*

### Ad-Hoc Refereeing

*American Journal of Epidemiology; Annals of Applied Statistics; Biometrics; Biometrika; Biostatistics; BMC Medical Research Methodology; BMJ Open; Cell Reports Medicine; Communications Medicine; Epidemiology; IEEE/ACM Transactions on Computational Biology and Bioinformatics; International Journal of Epidemiology; JAMA Network Open; Journal of the American Statistical Association; Journal of Business & Economic Statistics; Journal of Causal Inference; Journal of Machine Learning Research; Journal of Nonparametric Statistics; Journal of Open Source Software; Journal of the Royal Statistical Society, Series A: Statistics in Society; Journal of the Royal Statistical Society, Series B: Statistical Methodology; Journal of the Royal Statistical Society, Series C: Applied Statistics; Journal of Statistical Software; Lifetime Data Analysis; Nature Communications; Nature Medicine; The R Journal; Rapid Reviews: COVID-19; Rapid Reviews: Infectious Diseases; Statistica Sinica; Statistical Methods in Medical Research; Statistics in Medicine*

### Ad-Hoc Grant Reviewing

*National Science Foundation*  
*U.S.-Israel Binational Science Foundation*  
*Dutch Research Council (NWO)*  
*Harvard Data Science Initiative*

### Education and Outreach

- 2025–2026 Program Committee Member, American Causal Inference Conference, Society for Causal Inference
- 2023–2025 Participating Faculty, Summer Program in Biostatistics & Computational Biology, Department of Biostatistics, Harvard Chan School of Public Health
- 2018–2023 Lesson Maintainer, “Version Control with Git” Workshop, Software Carpentry

### University, School, and Departmental Committees

- 2024–now Member, High-Performance Computing Committee, Department of Biostatistics, Harvard Chan School of Public Health; Boston, MA, USA
- 2023–now Member, Teaching Effectiveness Committee, Department of Biostatistics, Harvard Chan School of Public Health; Boston, MA, USA
- 2022–now Chair, Departmental Colloquium Committee, Department of Biostatistics, Harvard Chan School of Public Health; Boston, MA, USA
- 2022–now Member, Admissions Committee for Doctoral Program in Biostatistics (PhD), Department of Biostatistics, Harvard Chan School of Public Health; Boston, MA, USA
- 2022–2023 Member, Executive Committee for Master’s in Biostatistics Programs (SM BIO), Department of Biostatistics, Harvard Chan School of Public Health; Boston, MA, USA
- 2018–2021 Member, Executive Board of the Biostatistics Graduate Student Association, Graduate Group in Biostatistics, University of California, Berkeley; Berkeley, CA, USA
- 2018 Student Member, Admissions Committee for Graduate Studies of the Graduate Group in Biostatistics, University of California, Berkeley; Berkeley, CA, USA

### Affiliations

- 2023–now Institute of Mathematical Statistics
- 2021–now Society for Causal Inference
- 2020–now Society for Epidemiologic Research
- 2017–now International Biometric Society
- Eastern North American Region (ENAR): 2022–now
  - Western North American Region (WNAAR): 2017–2022
- 2016–now American Statistical Association
- 2016–2019 Berkeley Institute for Data Science

## Advising and Formal Mentoring

### Postdoctoral Research Fellows

- 2024–2026 Cong Jiang, Department of Biostatistics, Harvard Chan School of Public Health

### Dissertation Committees (Chair)

- 01/2026–now Nick Birk, Ph.D. in Biostatistics, Harvard Chan School of Public Health and Harvard Griffin Graduate School of Arts & Sciences (co-chair with Sebastien Haneuse)
- 01/2026–now Christian Testa, Ph.D. in Biostatistics, Harvard Chan School of Public Health and Harvard Griffin Graduate School of Arts & Sciences (co-chair with Rajarshi Mukherjee)
- 01/2025–now Salvador Balkus, Ph.D. in Biostatistics, Harvard Chan School of Public Health and Harvard Griffin Graduate School of Arts & Sciences

### Dissertation Committees (Non-Chair)

- 2026–now Sarah Boese, Ph.D. in Biostatistics, Harvard Chan School of Public Health and Harvard Griffin Graduate School of Arts & Sciences (Chair: Tom Chen)
- 2025–now Line Rosendal, Ph.D. in Public Health (Epidemiology), Graduate School of Health, Aarhus University (Chair: Christina C. Dahm)
- 2025–now Sophie Woodward, Ph.D. in Biostatistics, Harvard Chan School of Public Health and Harvard Griffin Graduate School of Arts & Sciences (Chair: Francesca Dominici)
- 2025–now Fuyu Guo, Ph.D. in Population Health Sciences (Epidemiology), Harvard Chan School of Public Health and Harvard Griffin Graduate School of Arts & Sciences (Chair: James M. Robins)
- 2024–2026 Sarika Aggarwal, Ph.D. in Biostatistics, Harvard Chan School of Public Health and Harvard Griffin Graduate School of Arts & Sciences (Chair: Rachel Nethery)
- 2023–2025 Michael Cork, Ph.D. in Biostatistics, Harvard Chan School of Public Health and Harvard Griffin Graduate School of Arts & Sciences (Chair: Francesca Dominici)

- 2022–2024 Tigist Menkir, Ph.D. in Population Health Sciences (Epidemiology), Harvard Chan School of Public Health and Harvard Griffin Graduate School of Arts & Sciences (Chair: Caroline Buckee)  
*Independent Study (Doctoral)*
- 06–12/2025 Martha Boahene, Ph.D. in Biostatistics, Harvard Chan School of Public Health and Harvard Griffin Graduate School of Arts & Sciences
- 01/2024–now Christian Testa, Ph.D. in Biostatistics, Harvard Chan School of Public Health and Harvard Griffin Graduate School of Arts & Sciences (with José Zubizarreta and Rajarshi Mukherjee)
- 01/2023–now Salvador Balkus, Ph.D. in Biostatistics, Harvard Chan School of Public Health and Harvard Griffin Graduate School of Arts & Sciences (with Rachel Nethery)  
*Master's Theses and Projects*
- 2020–2021 Brian Collica, Department of Statistics, University of California, Berkeley. Project: “Developing an R package for cross-validated covariance matrix estimator selection” (with Philippe Boileau and Sandrine Dudoit)  
*Undergraduate Theses and Projects*
- 06–08/2025 Hasan Laith, Mathematics and Statistics Concentrations, Harvard College. Project: “On the use of cross-fitting for causal machine learning in dependent-data settings” (with Salvador Balkus)
- 09–12/2023 Sonia Kangaju, Applied Mathematics Concentration, Harvard College. Thesis: “Applying causal mediation analysis in randomized clinical trials of infectious diseases”
- 09–12/2020 Jamarus Liu, Department of Statistics, University of California, Berkeley. Project: “Developing an R package for cross-validated covariance matrix estimator selection” (with Philippe Boileau and Sandrine Dudoit)
- 09–12/2020 Dylan Chima-Sanchez, Department of Statistics, University of California, Berkeley. Project: “Evaluating nonparametric inverse probability weighted estimators” (with Mark van der Laan)

## Teaching

### Primary Instruction

- 2024–2026 “Causal Inference—Theory and Practice” (BIOSTAT/BST 258), Department of Biostatistics, Chan School of Public Health and Faculty of Arts & Sciences, Harvard University
- Elective doctoral-level course for Ph.D. students in biostatistics and allied quantitative disciplines.
  - Designed new doctoral-level course to survey core topics and introduce select advanced topics in statistical causal inference, and developed instructional materials for the course's initial offering in Spring 2024.
  - Spring 2026: 6 doctoral and advanced master's students; in progress.
  - Spring 2025: 5 doctoral students; instructor overall effectiveness rating of 3.80/5.00 and course overall rating of 3.60/5.00 (evaluation survey response rate: 100%).
  - Spring 2024: 19 doctoral and advanced master's students; instructor overall effectiveness rating of 4.00/5.00 and course overall rating of 3.18/5.00 (evaluation survey response rate: 79%).
- 2023–now “Introduction to Biostatistics” (HST 190), Program in Health Sciences and Technology, Harvard Medical School and Massachusetts Institute of Technology
- Required 4-week introductory course for M.D., Ph.D., and M.D./Ph.D. students in the Health Sciences and Technology (HST) doctoral program (<https://hst.mit.edu/>) for biomedical and physician scientists.
    - Course materials: <https://hst190.nimahejazi.org/>
    - Course syllabus: <https://hst190.nimahejazi.org/syllabus.pdf>
  - Summer 2025: 30 medical and/or doctoral students; instructor overall effectiveness rating of 2.70/4.00 and course overall rating of 2.50/4.00 (evaluation survey response rate: 93%).
  - Summer 2024: 30 medical and/or doctoral students; instructor overall effectiveness rating of 4.45/5.00 and course overall rating of 4.17/5.00 (evaluation survey response rate: 77%).
  - Summer 2023: 30 medical and/or doctoral students; instructor overall effectiveness rating of 3.83/5.00 and course overall rating of 3.33/5.00 (evaluation survey response rate: 80%).

### Short Courses and Workshop Instruction

- 2026 “Causality in biomedicine: Going beyond associations”, with Ava Khamseh, Sjoerd Beentjes, Pablo Rodríguez-Mier, and Caroline Uhler
- Oct. 2026: Full-day module in a six-day workshop organized for the European Bioinformatics Institute (EMBL-EBI), Wellcome Genome Campus, in Hinxton, England, United Kingdom. Webpage: <https://www.ebi.ac.uk/training/events/causality-in-biomedicine-2026/>
- 2024 “Analysis of mechanisms: Modern mediation analysis for basic, clinical and epidemiological research”, with Daniel B. Ibsen, Omar Silverman, Jie Zhang, and Iván Díaz
- May 2024: Full-day module in a three-day workshop organized for the Steno Diabetes Center Aarhus, in Aarhus, Denmark. Materials: <https://analysis-of-mechanisms.netlify.app/>
- 2021–now “Modern causal mediation analysis”, with Iván Díaz, Kara E. Rudolph, and Nicholas T. Williams
- Jun. 2026: Half-day workshop at the Society for Epidemiologic Research (SER) annual meeting in Phoenix, AZ, USA. Materials to appear.
  - Jun. 2025: Half-day workshop at the Society for Epidemiologic Research (SER) annual meeting in Boston, MA, USA. Materials: [https://codex.nimahejazi.org/ser2025\\_mediation\\_workshop](https://codex.nimahejazi.org/ser2025_mediation_workshop)
  - Jun. 2024: Half-day workshop at the Society for Epidemiologic Research (SER) annual meeting in Austin, TX, USA. Materials: [https://codex.nimahejazi.org/ser2024\\_mediation\\_workshop](https://codex.nimahejazi.org/ser2024_mediation_workshop)
  - Jun. 2023: Half-day workshop at the Society for Epidemiologic Research (SER) annual meeting in Portland, OR, USA. Materials: [https://codex.nimahejazi.org/ser2023\\_mediation\\_workshop](https://codex.nimahejazi.org/ser2023_mediation_workshop)
  - Jun. 2022: Half-day in-person workshop at the Society for Epidemiologic Research (SER) annual meeting in Chicago, IL, USA. Materials: [https://codex.nimahejazi.org/ser2022\\_mediation\\_workshop](https://codex.nimahejazi.org/ser2022_mediation_workshop)
  - May 2022: Half-day virtual workshop given as part of the Society for Epidemiologic Research (SER) annual meeting. Materials: [https://codex.nimahejazi.org/ser2022\\_mediation\\_workshop](https://codex.nimahejazi.org/ser2022_mediation_workshop)
  - May 2021: Half-day workshop at the Society for Epidemiologic Research (SER) annual meeting in San Diego, CA, USA virtually. Materials: [https://codex.nimahejazi.org/ser2021\\_mediation\\_workshop](https://codex.nimahejazi.org/ser2021_mediation_workshop)
- 2019–2024 “Targeted learning and the **tlverse**: Causal inference meets machine learning”, with Mark J. van der Laan, Alan E. Hubbard, Jeremy R. Coyle, Ivana Malenica, and Rachael V. Phillips
- Nov. 2024: Full-day *introductory* short course for the Harvard Catalyst Biostatistics Program at Harvard Medical School, held in Boston, MA, USA. Materials: <https://tlverse.org/catalyst2024-workshop>
  - Mar. 2024: Full-day *introductory* short course at the annual meeting of the Eastern North American Region (ENAR) of the International Biometric Society in Baltimore, MD, USA.
  - Aug. 2023: Full-day *introductory* short course at the Joint Statistical Meetings (JSM) in Toronto, ON, Canada. Materials: <https://tlverse.org/jsm2023-workshop>
  - Mar. 2023: Full-day *advanced* short course at the annual meeting of the Eastern North American Region (ENAR) of the International Biometric Society meeting in Nashville, TN, USA. Materials: <https://tlverse.org/enar2023-workshop>
  - Jun. 2022: Combined half-day *introductory* and *advanced* workshops at the Society for Epidemiologic Research (SER) annual meeting in Chicago, IL, USA. Materials: <https://tlverse.org/ser2022-workshop>
  - May 2022: Full-day *advanced* workshop at the American Causal Inference Conference (ACIC) in Berkeley, CA, USA. Materials: <https://tlverse.org/acic2022-adv-workshop>
  - Aug. 2021: 4-day short course for the Programa de Actualización en Salud Pública y Epidemiología of the Instituto Nacional de Salud Pública in CDMX, MX virtually. Materials: <https://tlverse.org/tmlcimx2021-workshop>
  - Jun. 2021: Half-day workshop at the Society for Epidemiologic Research (SER) annual meeting in San Diego, CA, USA virtually. Materials: <https://tlverse.org/ser2021-workshop>
  - Mar. 2021: Full-day short course at the annual meeting of the Eastern North American Region (ENAR) of the International Biometric Society meeting in Baltimore, MD, USA virtually. Materials: <https://tlverse.org/enar2021-workshop>
  - Feb. 2020: Full-day short course at the Conference on Statistical Practice (CSP) in Sacramento, CA, USA. Materials: <https://tlverse.org/csp2020-workshop>
  - Nov. 2019: 3-hour invited workshop for the Bill & Melinda Gates Foundation in Seattle, WA, USA. Materials: <https://tlverse.org/gates2019-workshop>
  - Oct. 2019: 3-day invited short course at the University of Pittsburgh in Pittsburgh, PA, USA. Materials: <https://tlverse.org/pitt2019-workshop>
  - May 2019: Full-day short course at the Atlantic Causal Inference Conference (ACIC) in Montréal, QC, Canada. Materials: <https://tlverse.org/acic2019-workshop>

- 2017–2019 *Software Carpentry* — workshop instruction aiming to promote and foster skills, best practices, and workflows for software development and scientific computing in research settings.
- Jan. 2019: “Scientific Computing with Bash, Git, and R”; workshop instructor (co-instructors: S. Peterson, N. Varoquaux); Berkeley Institute for Data Science; website: <https://bids.github.io/2019-01-17-bids/>
  - Jul. 2018: “Scientific Computing with Bash, Git, and Python”; workshop instructor (co-instructor: K. Marwaha); Berkeley Institute for Data Science; website: <https://bids.github.io/2018-07-16-bids>
  - Jan. 2018: “Scientific Computing with Bash, Git, and R”; workshop helper with K. Ottoboni & T. Hart; Berkeley Institute for Data Science; website: <http://www.kellieottoboni.com/2018-01-11-bids>
- 2017–2018 *Data Carpentry* — workshop instruction centering on core skills and best practices for the application of data analytic principles and tools for scientific computing in research.
- May 2018: “Software Tools for Genomic Data Analysis”; workshop instructor (co-instructor: A. Orr); Lawrence Berkeley National Laboratory; website: <https://codex.nimahejazi.org/2018-05-03-LBNL>
  - Aug. 2017: “Software Tools for Genomic Data Analysis”; workshop helper with K. Hertweck & E. Becker; Lawrence Berkeley National Laboratory; website: <https://k8hertweck.github.io/2017-08-07-LBNL>
- 2017–2019 The R Bootcamp, module instructor with Prof. Christopher J. Paciorek, Department of Statistics, University of California, Berkeley
- Aug. 2019: Presented modules on programming concepts (e.g., iteration, flow control, writing functions) and statistical data analysis and modeling; revised instructional materials; and provided one-on-one instruction. Materials available at <https://github.com/berkeley-scf/r-bootcamp-fall-2019>.
  - Jan. 2019: Presented modules on data tidying and modern data visualization, focusing on the tidyverse ecosystem of R packages; revised instructional materials; and provided one-on-one instruction. Materials available at <https://github.com/berkeley-scf/r-bootcamp-winter-2019>.
  - Aug. 2018: Presented modules on modern data manipulation and visualization, with a focus on the tidyverse ecosystem of R packages; contributed new instructional materials; and provided one-on-one instruction. Materials available at <https://github.com/berkeley-scf/r-bootcamp-2018>.
  - Aug. 2017: Presented a module on programming concepts in R (e.g., iteration, flow control, writing functions), contributed new materials on modern functional programming, and provided one-on-one instruction. Materials available at <https://github.com/berkeley-scf/r-bootcamp-2017>.

### Guest Lectures Delivered

- Spring 2026 “Causal machine learning in the health sciences”, Clinical Data Science: Design and Analytics II (CI 708B), *Course Director*: Emma Kileel, Master of Medical Sciences in Clinical Investigation (MMSCI), Harvard Medical School
- Spring 2022 “Causal mediation analysis and the `tmle3mediate` R package”, Targeted Learning in Practice (PBHLTH 243B), *Instructor*: Mark J. van der Laan, Division of Biostatistics, School of Public Health, University of California, Berkeley
- Spring 2022 “Stochastic treatment regimes and the `tmle3shift` R package”, Targeted Learning in Practice (PBHLTH 243B), *Instructor*: Mark J. van der Laan, Division of Biostatistics, School of Public Health, University of California, Berkeley
- Spring 2022 “Targeted maximum likelihood estimation and the `tmle3` R package”, Targeted Learning in Practice (PBHLTH 243B), *Instructor*: Mark J. van der Laan, Division of Biostatistics, School of Public Health, University of California, Berkeley
- Fall 2021 “Reproducible collaborative data science with git and GitHub”, Data Science I: R and Python (HBDS 5018), *Instructor*: Elizabeth M. Sweeney, Division of Biostatistics, Department of Population Health Sciences, Weill Cornell Medical College
- Spring 2020 “Building R packages: ‘Good enough’ practices for applied statistics”, Biostatistics Master’s Thesis Seminar (PBHLTH 292), *Instructor*: Corinne A. Riddell, Division of Biostatistics, School of Public Health, University of California, Berkeley

### Teaching Assistantships

- Spring 2021 “Biomedical Big Data Training Capstone Seminar” (PBHLTH 290), with Prof. Mark J. van der Laan, Division of Biostatistics, School of Public Health, University of California, Berkeley
- Newly designed graduate-level seminar course of 21 masters and doctoral students.
  - Graduate student instructor overall effectiveness rating: 6.67/7.00 (6.22 departmental average).
  - Co-designed all course content (based on our in-development book *Targeted Learning in R: Causal Data Science with the tIverse Software Ecosystem*), and jointly supervised collaborative research projects.
  - Administrative support to “regularize” as *PBHLTH 243B*: “Targeted Learning in Practice” (Spring 2022+).
- Fall 2020 “Survival Analysis and Causality” (PBHLTH 240B & STAT 245B), with Prof. Mark J. van der Laan, Division of Biostatistics, School of Public Health, University of California, Berkeley
- Core graduate-level lecture course of 24 masters and doctoral students.
  - Graduate student instructor overall effectiveness rating: 6.67/7.00 (6.34 departmental average).
  - Designed and delivered weekly computer laboratory instruction, and supervised course research projects.
- Spring 2020 “Biomedical Big Data Training Capstone Seminar” (PBHLTH 290), with Prof. Alan E. Hubbard, Division of Biostatistics, School of Public Health, University of California, Berkeley
- Advanced graduate-level seminar course of 8 doctoral students.
  - Designed and delivered course lectures and jointly supervised collaborative research projects.
- Fall 2019 “Longitudinal Data Analysis” (PBHLTH 242C & STAT 247C), with Prof. Alan E. Hubbard, Division of Biostatistics, School of Public Health, University of California, Berkeley
- Introductory graduate-level lecture course of 33 masters and doctoral students.
  - Graduate student instructor overall effectiveness rating: 5.56/7.00 (6.23 departmental average).
  - Delivered weekly computer laboratory instruction, and provided support for course data analysis projects.
- Spring 2018 “Targeted Learning in Biomedical Big Data” (PBHLTH 290), with Prof. Mark J. van der Laan, Division of Biostatistics, School of Public Health, University of California, Berkeley
- Advanced graduate-level seminar course of 11 masters and doctoral students.
  - Developed all laboratory materials and assessments, delivered weekly computer laboratory instruction, and supervised course projects. Website: <https://vanderlaan-group.github.io/tlbbd-sp2018>.
  - Administrative support to “regularize” as *PBHLTH 243A*: “Targeted Learning” (Fall 2021+).

## Accreditation and Training

- 2025 Forensic Science Expert Witness Training, Forensic Justice Project
- 2021 Summer Institute in Statistics and Modeling in Infectious Diseases, University of Washington
- 2018 Biomedical Big Data Training Program, University of California, Berkeley
- 2017 Instructor Training Program Certification, Software Carpentry
- 2017 Summer Institute in Statistics for Big Data, University of Washington
- 2016 Genomic Data Science Specialization, Johns Hopkins University via Coursera
- 2015 Data Science Specialization, Johns Hopkins School of Public Health via Coursera

## Distractions

Trail and distance running (recreational)

- Trail/urban running: ~30–50 miles per month (fewer in peak Winter and Summer months).
- Half marathons: NYC Spring 2022 (1<sup>st</sup> May), Boston Athletic Assoc. 2022 (13<sup>th</sup> Nov.), NYCRuns Central Park 2023 (26<sup>th</sup> Feb.), Boston Athletic Assoc. 2023 (12<sup>th</sup> Nov.), NYCRuns Central Park 2024 (25<sup>th</sup> Feb.), Boston Athletic Assoc. 2024 (10<sup>th</sup> Nov.), NYCRuns Central Park 2025 (23<sup>rd</sup> Feb.), Cambridge Mass 2025 (2<sup>nd</sup> Nov.), Boston Athletic Assoc. 2025 (9<sup>th</sup> Nov.), NYCRuns Central Park 2026 (22<sup>nd</sup> Feb.—canceled due to winter storm), NYCRuns Brooklyn 2026 (26<sup>th</sup> Apr.), Boston Athletic Assoc. 2026 (8<sup>th</sup> Nov.)