

Jordan Dworkin

Assistant Professor of Clinical Biostatistics | Research Scientist V
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Education **University of Pennsylvania**, Philadelphia, PA Aug 2015 – May 2020
PhD in Biostatistics (Advisor: *Russell T. Shinohara, PhD*)
MS in Biostatistics

Haverford College, Haverford, PA Aug 2011 – May 2015
BS in Psychology, High Honors
Double Minor in Statistics & Mathematics

- Selected Publications**
([view all](#))
- [1] **JD Dworkin**, KA Linn, E Teich, P Zurn, RT Shinohara, DS Bassett. [The extent and drivers of gender imbalance in neuroscience reference lists](#). *Nature Neuroscience*, 2020; 23, 918 – 926.
 - 99% percentile Altmetric Attention Score
 - Covered in *Brain*, *Nature Physics*, and *Journal of Cognitive Neuroscience*
 - [2] **JD Dworkin**, KA Linn, TD Satterthwaite, A Raznahan, R Bakshi, RT Shinohara. [A local group differences test for subject-level multivariate density neuroimaging outcomes](#). *Biostatistics*, 2020; kxz058.
 - [3] **JD Dworkin**. [Network-driven differences in mobility and optimal transitions among automatable jobs](#). *Royal Society Open Science*, 2019; 6 (7), 182124.
 - 97% percentile Altmetric Attention Score
 - Cited in *Pathways for Prosperity Commission's* 2019 report
 - Covered in the Exponential View newsletter
 - [4] **JD Dworkin**, RT Shinohara, DS Bassett. [The emergent integrated network structure of scientific research](#). *PLoS One*, 2019; 14 (4), e0216146.
 - 97% percentile Altmetric Attention Score
 - [5] **JD Dworkin**, RT Shinohara, DS Bassett. [The landscape of NeuroImage-ing research](#). *NeuroImage*, 2018; 183, 872 – 883.
 - 98% percentile Altmetric Attention Score
 - Covered in *Discover Magazine's* Neuroskeptical blog
 - [6] J Roy, KJ Lum, B Zeldow, **JD Dworkin**, VL Re, MJ Daniels. [Bayesian nonparametric generative models for causal inference with missing at random covariates](#). *Biometrics*, 2018; 74 (4), 1193 – 1202.
 - [7] **JD Dworkin**, V Zimmerman, RJ Waldinger, MS Schulz. [Capturing naturally occurring emotional suppression as it unfolds in couple interactions](#). *Emotion*, 2018; 19 (7), 1224 – 1235.

Other Writing JD Dworkin, P Zurn, DS Bassett. [\(In\)citing action to realize an equitable future](#). *Neuron*, 2020.

JD Dworkin & I Blinderman. [Why the tech sector may not solve America's looming automation crisis](#). *The Pudding*, 2018.

JD Dworkin. [A statistical curiosity voyage through the emotion of Stranger Things](#). *FreeCodeCamp*, 2017.

JD Dworkin. [Could an alternative voting system have stopped Trump?](#) *Towards Data Science*, 2016.

Software & Programming

LQT. R package, 2021.

Toolbox for conducting probabilistic analysis of the effects of white-matter lesions on structural connectivity, with built-in functionality for processing, analysis, and visualization of brain network data.

Who do you follow? R Shiny application, 2020.

Application for assessing the gender and racial/ethnic diversity of your twitter feed

mmdt. R package, 2019.

Software for applying the method proposed in the *Biostatistics* publication above (#2), including functions for formatting, analysis, and visualization of neuroimaging data

The landscape of neuroimaging research. R Shiny application, 2018.

Dashboard to explore the network structure of research topics in neuroimaging literature, designed to accompany the *NeuroImage* publication above (#5)

Read, Act. Website and Google Chrome extension, 2017.

Browser extension to track time spent reading political news and encourage regular participation in civic and political action

Teaching & Mentoring

Mentor

Aysha Vadukul – mentor during BEST Diversity Program (2021)

Eric Shaker – mentor during BEST Diversity Program (2021)

Jeremy Kidd – statistical mentor for NIH K23 Award (2020 – present)

Teaching assistant

Statistics in Experimental Design and Analysis (2017, 2018)

University of Pennsylvania, Biomedical Graduate Studies

Experimental Methods and Statistics (2013)

Bryn Mawr College, Department of Psychology

Guest lecturer

Revolutions in Psychology and Neuroscience (2020)

Haverford College, Department of Psychology

Programming and Computation for Biomedical Data Science (2019)

University of Pennsylvania, Biostatistics Graduate Group

R Workshop for Incoming Students (2017)

University of Pennsylvania, Biostatistics Graduate Group

Awards

2021 Biostatistics Junior Faculty Award, National MS Society

2018, 19 Young Investigator Travel Grant,ECTRIMS/ACTRIMS Congress

2018 Finalist, Blavatnik Family Fellowship

2018 Student Poster Award, Statistical Methods in Imaging Conference

2018 Finalist, Best Poster Presentation, ACTRIMS Congress

2016 - 19 Young Investigator Travel Grant,ECTRIMS/ACTRIMS Congress

2015 Magna Cum Laude, Haverford College

2015 Member Elect, Phi Beta Kappa Academic Honor Society

2015 David Olton '64 Award in Psychology, Haverford College

2014 Member Elect, Psi Chi International Honors Society in Psychology

Scientific Memberships

ASA – Mental Health Statistics Section

ASA – Statistics in Imaging Section

Eastern North American Region of the International Biometric Society

American Statistical Association