

Jordan Dworkin

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Education *University of Pennsylvania*, Philadelphia, PA 2015 –
Biostatistics PhD Candidate
MS in Biostatistics

Haverford College, Haverford, PA 2011 – 2015
BS in Psychology, High Honors
Minor in Statistics, Minor in Mathematics

Awards 2018, 19 Young Investigator Travel Grant, ACTRIMS Congress
2018 Finalist, Blavatnik Family Fellowship
2018 Student Poster Award, Statistical Methods in Imaging Conference
2018 Finalist, Best Poster Presentation, ACTRIMS Congress
2016, 17 Young Investigator Travel Grant, ECTRIMS 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 Eastern North American Region of the International Biometric Society
Student member of the North American Imaging in MS Cooperative
Student member of the American Statistical Association

Teaching **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
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

Service **Reviewer**
Journal of Neuroimaging
NeuroImage: Clinical
Annals of Neurology

Committee member
Student-Faculty Committee, *University of Pennsylvania*, Biostatistics Graduate Group
Faculty Search Committee, *Haverford College*, Department of Psychology

Publications

- [1] **JD Dworkin**, RT Shinohara, DS Bassett. [The emergent integrated network structure of scientific research](#). *PLoS One*, 2019; 14 (4), e0216146.
- [2] **JD Dworkin**, P Sati, AJ Solomon, D Pham, R Watts, ML Martin, D Ontaneda, MK Schindler, DS Reich, RT Shinohara. [Automated integration of multi-modal MRI for the probabilistic detection of central vein sign in white-matter lesions](#). *American Journal of Neuroradiology*, 2018; 39 (10), 1806 – 1813.
- [3] **JD Dworkin**, RT Shinohara, DS Bassett. [The landscape of NeuroImage-ing research](#). *NeuroImage*, 2018; 183, 872 – 883.
- [4] 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.
- [5] **JD Dworkin**, KA Linn, I Oguz, GM Fleishman, R Bakshi, G Nair, PA Calabresi, RG Henry, J Oh, N Papinutto, D Pelletier, W Rooney, W Stern, NL Sicotte, DS Reich, RT Shinohara. [An automated statistical technique for counting distinct multiple sclerosis lesions](#). *American Journal of Neuroradiology*, 2018; 39 (4), 626 – 633.
- [6] **JD Dworkin**, V Zimmerman, RJ Waldinger, MS Schulz. [Capturing naturally occurring emotional suppression as it unfolds in couple interactions](#). *Emotion*, 2018.
- [7] **JD Dworkin**, EM Sweeney, MK Schindler, S Chahin, DS Reich, RT Shinohara. [PREVAIL: Predicting recovery through estimation and visualization of active and incident lesions](#). *NeuroImage: Clinical*, 2016; 12, 293 – 299.
- [8] **JD Dworkin**, A McKeown, JT Farrar, I Gilron, M Hunsinger, RD Kerns, MP McDermott, BA Rappaport, DC Turk, RH Dworkin, JS Gewandter. [Deficiencies in reporting of statistical methodology in recent randomized trials of nonpharmacologic pain treatments: ACTION systematic review](#). *Journal of Clinical Epidemiology*, 2016; 72, 56 – 65.
- [9] JS Gewandter, MP McDermott, A McKeown, **JD Dworkin**, SM Smith, RA Gross, M Hunsinger, AH Lin, BA Rappaport, ASC Rice, MC Rowbotham, MR Williams, DC Turk, RH Dworkin. [Data interpretation in analgesic clinical trials with statistically non-significant primary analyses: An ACTION systematic review](#). *Journal of Pain*, 2015; 16, 3 – 10.

Manuscripts in Progress

- [1] **JD Dworkin**. Network-driven differences in mobility and optimal transitions among automatable jobs. *Revision requested*.
- [2] **JD Dworkin**, KA Linn, TD Satterthwaite, A Raznahan, R Bakshi, RT Shinohara. Local inference for subject-level multivariate density neuroimaging outcomes. *Under review*.
- [3] **JD Dworkin**, KA Linn, DS Bassett, RT Shinohara. Quantifying the extent of gender imbalance in neuroscience reference lists. *In preparation*.

Other Articles

- JD Dworkin** & I Blinderman. [Why the tech sector may not solve America's looming automation crisis](#). *The Pudding*, 2018.
- JD Dworkin**. [Stranger Things: Analyzing scripts to understand emotion](#). *Data Driven Journalism*, 2017.
- 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

- [The landscape of neuroimaging research](#). R Shiny application, 2018.
- [Vesselr](#). R package, 2017.
- [Read, Act](#). Website and Google Chrome extension, 2017.

Presentations Platform

- 2019 Americas Committee for Treatment and Research in MS (ACTRIMS) Congress
- 2018 Statistical Methods in Imaging (SMI) Conference

Poster

- 2019 Joint Statistical Meetings (JSM)
 - Organization for Human Brain Mapping (OHBM) Annual Meeting
 - Eastern North American Region of the International Biometric Society (ENAR) Spring Meeting
 - ACTRIMS Congress
- 2018 European Committee for Treatment and Research in MS (ECTRIMS) Congress
 - Joint Statistical Meetings
 - ENAR Spring Meeting
 - ACTRIMS Congress
- 2017 ECTRIMS Congress (two posters)
 - SMI Conference
 - ENAR Spring Meeting
- 2016 North American Imaging in MS (NAIMS) General Meeting
 - ECTRIMS Congress