

Benjamin Leinwand

CONTACT INFORMATION	888 Massachusetts Ave Apt 310 Cambridge, MA 02139	Phone: (718) 306 - 2623 Email: bml67@live.unc.edu Web: BLeinwand.github.io
EDUCATION	University of North Carolina at Chapel Hill , Chapel Hill, NC Ph.D., Statistics, 2022 (expected). Advisors: Vladas Pipiras , Guorong Wu Dissertation: Novel statistical methods for modeling brain and other dense, weighted networks. Cornell University , Ithaca, NY M.P.S., Applied Statistics, 2013. Advisor: David Matteson B.A., Double Major in Statistical Science and Economics, 2013.	
RESEARCH INTERESTS	Networks Over Time, Dense Weighted Networks, Multilayer Networks, Machine Learning Applications to: Neuroscience, Urban Data, Economics/Finance, Sports, Politics	
PUBLICATIONS	5. Leinwand, B. and Pipiras, V. (2021+) Block dense weighted networks with augmented degree correction. Submitted. 4. Baek, C., Gampe, M., Leinwand, B. , Lindquist, K. A., Jeong, S., Hopfinger, J., Gates K., and Pipiras, V. (2021+) Detecting functional connectivity changes in fMRI data. Submitted. 3. Leinwand, B. , Ge, P., Kulkarni, V. and Smith, R. (2021), Winning an election, not a popularity contest. <i>Significance</i> , 18: 24-29. 2. Baek, C., Gates K., Leinwand, B. , and Pipiras, V. (2021) Two sample tests for high-dimensional autocovariances. <i>Computational Statistics & Data Analysis</i> : 107067 1. Leinwand, B. , Wu, G., and Pipiras, V. (2020) Characterizing Frequency-Selective Network Vulnerability For Alzheimers Disease By Identifying Critical Harmonic Patterns. <i>IEEE International Symposium on Biomedical Imaging</i>	
TEACHING EXPERIENCE	Fall 2020	Data Science for COVID-19 (Co-Instructor, 101 students)
	Spring 2020	Data Models and Inference (Instructor, 45 students)
	Fall 2018	Methods of Data Analysis (Instructional Assistant)
	Spring 2018	Data Models and Inference (Instructional Assistant)
	Fall 2017	Data Models and Inference (Instructional Assistant)
HONORS AND AWARDS	2020	Service and Mentorship Award , UNC STOR
	2020	ISBI Travel Grant , NIH, NIBIB, National Cancer Institute
	2013	Best Thesis Project , Cornell University Department of Statistical Science

COLLABORATIVE EXPERIENCE	Spring 2021 Graduate Research Assistant at The Statistical and Applied Mathematical Sciences Institute for Program on Data Science in the Social and Behavioral Sciences working group researching networks of networks, resulting in a presentation at the <i>Networks 2021</i> Conference
SERVICE	2019 – 2021 Graduate Student Liaison, UNC STOR. <ul style="list-style-type: none"> • Established and edited student run website for current and prospective students • Conducted survey of STOR graduate students for ways to update the graduate programs, leading to department reorganizing program structure and first year courses • Organized first STOR Faculty Roundtable and wrote all questions for faculty • Organized and moderated first STOR Graduate Student Roundtable • Spoke to students, faculty, and alumni about improving the graduate experience • Compiled instructor feedback resulting in a new graduate course in Effective Pedagogy • Persuaded faculty to allow a rotating student to speak before each faculty meeting • Started monthly “tea time” for students and faculty to mingle in an informal setting • Elected as Graduate and Professional Student Federation senator for 2019 – 2020 • Hosted a town hall to inform students about GPSF resources available to them • Founding president of BIOSTOR, an organization created to facilitate camaraderie between the STOR Department and the Biostatistics Department including joint student seminars, hikes, and happy hours 2021 Triage Judge for ICM, Consortium for Mathematics and Its Applications. 2019 – 2020 Visit Day Coordinator, UNC STOR. <ul style="list-style-type: none"> • Managed logistics for finding visitors lodging and transportation • Assisted in planning visit day activities • Advised accepted students about visiting UNC and choosing a graduate program
PRESENTATIONS	Dense weighted networks featuring communities with augmented degree correction. Invited presentation, The Statistical and Applied Mathematical Sciences Institute, Durham, NC, March 2021. Networks of Networks Working Group Overview. Invited presentation, The Statistical and Applied Mathematical Sciences Institute, Durham, NC, February 2021. Community Sociability Modeling of Dense Weighted Networks. Seminar, UNC STOR, Chapel Hill, NC, November 2020.
PROFESSIONAL EXPERIENCE	2013 – 2016 Senior Consultant at Oliver Wyman , New York, NY Worked on 11 projects in a wide variety of industries and capacities, with a consistent emphasis on advanced quantitative analysis and clear communication of complex concepts 2012 Intern at First Manhattan Consulting Group , New York, NY Measured effectiveness of ad campaigns by identifying mail recipients who subsequently opened accounts 2011 Intern at The Nielsen Company , Wilton, CT Conducted quantitative analysis for pilot project incorporating internet buzz into Marketing Mix Models

COMPUTING SKILLS	R, Matlab, Python, SAS, SQL, L ^A T _E X, C#, Excel, VBA
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PROFESSIONAL MEMBERSHIPS	American Statistical Association Institute of Mathematical Statistics Network Science Society
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