Contact	Department of Biostatistics and Bioinformatics Emory University 1518 Clifton Rd NE Atlanta, GA 30322	Homepage:https://hbwddl.github.io/ Linkedin:linkedin.com/in/hannah-b-waddel/ ⊠ E-mail:hannah.b.waddel@emory.edu	
Education	Emory University, Atlanta, GA	2018-2024 (expected)	
	• Ph.D. Biostatistics		
	• Advisors: Dr. Max Lau, Dr. Lance Waller		
	• Dissertation Title: "Phylodynamic inference data"	incorporating pathogen diversity and outbreak	
	Emory University, Atlanta, GA	2021	
	• M.S. Biostatistics		
	University of Utah, Salt Lake City, Utah.	2018	
	• B.S. Mathematics. Summa Cum Laude		
PUBLICATIONS	0	R Moore, O Samuels, O Sadan. "Nicardipine f Delayed Cerebral Ischemia After Aneurysmal Journal of Stroke and Cerebrovascular Diseases,	
	2. O Sadan, H Waddel, R Moore, C Feng, Y Mei, D Pearce, J Kraft, C Pimentel, S Mathew, F Akbik, P Ameli, A Taylor, L Danyluk, K Martin, K Garner, J Kolenda, A Pujari, W Asbury, V Jaja, R L Macdonald, M Cawley, D Barrow, and O Samuels. "Intrathecal Nicardipine for Cerebral Vasospasm Post Subarachnoid Hemorrhage—a Retrospective Propensity-Based Analysis", Journal of Neurosurgery, 2021. PubMed Link		
	 B Nadel, D Lopez, D Montoya, H Waddel, M convolution Interactive Tool (GEDIT): Accurat Data". Gigascience, 2021. PubMed Link 	Khan, and M Pellegrini. "Gene Expression De- e Cell Type Quantification from Gene Expression	
Posters and Presenta- tions	• National Conference on Undergraduate Poster, "The Community Ecology of the Music		
	• Utah Conference of Undergraduate Rese Poster, "The Community Ecology of the Music		
	• Bruins in Genomics Summer Research E Poster, "Evaluating the Efficiency of Single-Ce	-	
	• Utah Conference of Undergraduate Rese Poster, "Transcription Factor Interactions in D		
Research Grants	• Independent Research Experience Under Department of Mathematics and Department of Title: "The Community Ecology of the Music	of Biology, University of Utah	
	• Independent Research Experience Under Department of Mathematics and Department of Title: "The Community Ecology of the Music	of Biology, University of Utah	
	• ORCA Undergraduate Student Mentorin Office of Research and Creative Activities, Brig Title: "Transcription Factor Interactions in De	gham Young University	
	• ORCA Undergraduate Student Mentorin Office of Research and Creative Activities, Brig Title: "Sensory Integration in Zebrafish Larvae	gham Young University	

Professional Experience	• Biostatistics Collaboration Core Department of Biostatistics and Bioinformatics, Emory University	2019-Present
	• Primary statistical collaborator providing support for medical and pub	lic health researchers
	 at Emory University Provides close consultation and collaboration with researchers on design of studies, and am the primary statistical analyst and technical writer 	
	• Actuarial Intern Willis Towers Watson, Denver, Colorado	2016
	 Used proprietary software and programming language to calculate expert to companies' pension plans Completed project recommending more accurate pension mortality ass national company with over 14,000 employees in their pension plan 	
Teaching	• Instructor, Statistical Methods I Lab (BIOS 500L)	Fall 2020
	\circ Lab to practice SAS-based analysis for students taking introductory B	iostatistics
	• Co-Instructor , Intro to Epidemiology and Biostatistics (HGC 707)	Fall 2022
	• Teaching Assistant, Statistical Methods I Lab (BIOS 500L)	Fall 2019
	• Teaching Assistant , Biostatistical Methods II (BIOS 591P) Spring 2020 2022, Spring 2023	, Spring 2021, Spring
	\circ Developed R software and recitation plans to teach students linear a methods	nd logistic regression
	 Teaching Assistant, Statistical Practice I (BIOS 580) Advised student groups in collaborative statistical projects with real E 	Fall 2022 Cmory investigators
Service	• Archival Volunteer Computer Museum of America	2021-Present
	 Organizing and describing documentation and other textual materials museum's hardware and software collections 	s which relate to the
	• Graduate Student Network executive committee National Institute of Statistical Sciences (NISS)	2020-Present
	 Founding member of the NISS Graduate Student Network Our mission is to support the graduate students at NISS-affiliated academic departments throughout their graduate programs and in their early career Planned bi-monthly events to support network's mission including webinars, panels, and socials Organized virtual conferences in 2021 and 2022 for graduate students at all stages of their degree to present research 	
	Student Council Representative	2019-2022
	Department of Biostatistics and Bioinformatics, Emory University	
	• COVID-19 Geospatial support Georgia Department of Public Health	2020
	• Assisted GDPH with management, cleaning, and analysis of anonymized location data to assess impacts of COVID lockdowns in Georgia	
Honors and Awards	• Scholarship Summer Institute in Statistics and Modeling in Infectious Disease, U. of V	2022 Vashington
	• Laney Graduate Fellowship Laney Graduate School, Emory University	2018
	• Gibson Senior Award Department of Mathematics, University of Utah	2018
	• Emeritus Librarian Scholarship J. Willard Marriott Library, University of Utah	2017
	• Pi Mu Epsilon Mathematics Honor Society 201 Department of Mathematics, University of Utah	
	• National Merit Scholarship Finalist	2013

Technical Skills	• Programming : Advanced Proficiency in R (and RShiny), SAS and Intermediate Proficient in Python, C++, Bash, SQL, and ArcGIS Software	
	• Statistics: Generalized linear models, spatial statistics, causal inference and observational sies (via propensity score modeling and instrumental variables), survival analysis, meta-ana Bayesian hierarchical modeling, infectious disease modelling, time series analysis, probab theory	lysis,
Affiliations	• American Statistical Association (ASA)	
	• International Biometric Society (IBS), Eastern North American Region (ENAR)	
Other	• Society of Actuaries Exam P (Probability)	2016