

David S. Clausen

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EDUCATION

- University of Washington**, Seattle, WA Expected 2021
- PhD, Biostatistics
- University of Washington**, Seattle, WA Conferred March 2017
- Master of Science, Statistics – Advanced Methods and Data Analysis
- Columbia University**, New York, NY Conferred June 2014
- Certificate of Professional Achievement (coursework in mathematics and statistics)
- The Juilliard School**, New York, NY Conferred May 2009
- Bachelor of Music, Viola Performance

PROFESSIONAL EXPERIENCE

- Teaching Assistant**, UW School of Public Health Dec. 2016 – Present
- Run discussion sections, prepare class materials, and provide individual support for a graduate-level applied biostatistics courses
- Academic Support Teaching Assistant**, UW School of Public Health Sept. 2016 – Dec. 2016
- Organized study groups and provided conceptual and R programming support for students in entry-level graduate courses in biostatistics and epidemiology
- Graduate Research Student Assistant**, UW Applied Physics Laboratory July 2016 – Sept. 2016
- Worked with Dr. Caren Marzban to develop a novel hierarchical biclustering algorithm for weather forecast verification
- Managing Editor for Curriculum**, Tutor Associates, New York, NY July 2012 – Sept. 2015
- Oversaw production and publication of curriculum for test preparation and academic tutoring programs
 - Anticipated curriculum needs based on tutor feedback and trends in standardized testing
- Verbal Curriculum Coordinator**, Tutor Associates, New York, NY Jan. 2012 – July 2012
- Planned and organized verbal curriculum development for standardized testing programs
- Curriculum Writer and Tutor**, Tutor Associates, New York, NY Sept. 2010 – Jan. 2012
- Wrote content for standardized test preparation programs
 - Tutored mathematics, Latin, and English composition
- Private Tutor**, New York, NY Sept. 2010 – June 2015
- Provided individual instruction in various subjects including mathematics, composition, grammar and Latin to students in middle through graduate school
- Tutor**, The Juilliard School, New York, NY Sept. 2006 – June 2013
- Tutored English grammar and composition
 - Received an English Teaching Fellowship

SKILLS

Statistics

- Linear, generalized linear, and mixed effects models
- Quasi-likelihood and sandwich estimation
- Experimental design
- Hidden Markov models

- Nonparametric statistics
 - Kernel smoothing
 - Projection estimation
 - Hypothesis testing
- Bayesian statistics
 - Regression
 - Hypothesis testing
 - MCMC
 - INLA

Languages

- R (proficient)
- R Markdown (proficient)
- Latex (middling knowledge)
- C (basic knowledge)

PUBLICATIONS

Nelson, A. D., Forsythe, E. S., Devisetty, U. K., **Clausen, D. S.**, Haug-Batzell, A. K., Meldrum, A. M., ... Beilstein, M. A. (2016). A Genomic Analysis of Factors Driving lincRNA Diversification: Lessons from Plants. *G3*, 6(9), 2881-2891.