

MICHIGAN STATE UNIVERSITY

Postdoctoral Research Associate

The MSU Center for Statistical Training and Consulting (<https://cstat.msu.edu/>) is part of Michigan State University's infrastructure for facilitating excellence in research. CSTAT invites applications for a Postdoctoral Research Associate with anticipated start date July 1, 2021 (an alternative start date may be negotiated). Candidates must have a Ph.D. in Statistics, Biostatistics, Computer Science, or a quantitative STEM field (e.g. Social Sciences, Natural Sciences) by the start of the appointment, or show evidence that they will receive their degree within six months of that start date.

Candidates must have demonstrated excellence in research in statistics or closely related fields and a proven record of self-motivated research. Experience and interest in scientific computing is required. Strong interpersonal skills and written and oral communication skills, including proficiency with the English language, are essential.

Specific anticipated research topics are one of the following: high dimensional data analysis, physiology and wearable technologies, text mining, natural language processing, Bayesian modeling.

Successful candidates will (1) apply statistical, computational, and scientific expertise to the design, implementation, research data management and analysis, interpretation, and reporting of original research studies; (2) participate in developing or delivering CSTAT workshops to the general University audience; (3) work with collaborative research teams on research projects of interest to Professor Marianne Huebner or Dr. Wenjuan Ma. Collaborations with other MSU research teams will be possible and encouraged. Successful candidate will also be given opportunities to pursue their own research agendas and participate in writing grant proposals. The expected duration of this postdoctoral position is 2 years subject to satisfactory progress and can be extended depending on funding.



Center for Statistical Training & Consulting

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Minimum Qualifications

The job requires a Ph.D. in Statistics, Biostatistics, Computer Science, or a quantitative field (e.g. Social Sciences, Natural Sciences); excellent programming skills in a statistical software, e.g. R or Python; a strong background in statistical modeling; or an equivalent combination of education and experience. Strong interpersonal skills and written and oral communication skills, including proficiency with the English language, are essential.

Desired Qualifications

Two or more years of experience using at least one major statistical software program (e.g. R, Python, SAS, STATA, or others); ability to evaluate data quality and improve metadata aspects using common statistical software programs; track record demonstrating success in collaborative research projects and report writing; two or more years of experience in statistical collaboration and data analysis; ability to manage multiple projects simultaneously; experience preparing instructional materials on statistical methods, tools, and practices, or experience teaching

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audiences how to apply them; highly self-motivated, excellent organizational and project management skills.

To Apply: Visit <http://careers.msu.edu/> to create an application profile for Job No. 694187. The application should contain a brief cover letter explaining the applicant's interest in the position as described above, previous research experiences and future plans, a curriculum vitae, and contact information for three references. Review of applications will begin immediately and continue until the position is filled.

MSU is an affirmative action, equal opportunity employer and is committed to achieving excellence through cultural diversity. The university actively encourages applications and/or nominations of women, persons of color, veterans, and persons with disabilities. Job applicants are considered for employment opportunities and employees are treated without regard to their race, color, religion, sex, sexual orientation, gender identity, national origin, disability or veteran status.

Appointment Description	This will be a full-time (100% FTE) Postdoctoral Research Associate with an appointment period of 2 years subject to satisfactory progress and can be extended depending on funding.
Compensation	Salary commensurate with degree and experience following NIH recommended stipend levels. Excellent benefits package.

CSTAT is a unit within the Office of Research and Innovation at MSU, and has a proud tradition of collaborating with internationally renowned research faculty and external clients (government agencies, businesses, non-profit organizations). CSTAT provides employees with a diverse, challenging set of duties that foster learning new skills and knowledge and a collegial environment where employees regularly share information, ideas, resources, and solutions to problems. CSTAT invests in employees by providing on-the-job training, mentoring, and coaching; and providing financial support for professional development.