George Mason University

Department of Statistics: Multiple Open Rank Tenure-Track, Tenured, and Term Faculty Positions

The George Mason University Department of Statistics, in the newly formed School of Computing, within the College of Engineering and Computing (CEC), invites applications for multiple tenure-track , tenured, and renewable term (non-tenured) faculty positions beginning Fall 2022. Senior candidates with established records of outstanding research and excellent teaching will be eligible for tenured Associate Professor or Professor positions. George Mason University has a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff, and strongly encourages candidates to apply who will enrich Mason's academic and culturally inclusive environment.

Responsibilities

Successful candidates for tenure-track/tenured positions will be expected to conduct independent and collaborative research; teach and advise undergraduate and graduate students; develop an independent, externally funded research program; participate in all aspects of the department's mission; serve the statistics/data science profession; embrace and help advance the University's strong commitment to diversity, equity and inclusion.

Successful candidates for term faculty positions will be expected to teach undergraduate courses; as well as perform service duties associated with the department's active undergraduate degree programs. Teaching a graduate course or conducting research is optional. Those who bring in research funding may have course reductions. A candidate for Associate or Full Professor is expected to be a leader in curriculum development, undergraduate education, and outreach activities (or conduct research if it is a mixed position with research).

Required Qualifications

Applicants for either tenured, tenure-track or term faculty positions must have received a PhD in Statistics, Biostatistics, or a related field by the start date of the position.

Junior candidates for tenure-track Assistant Professor positions should have demonstrated potential for excellence and productivity in research, and a commitment to high-quality teaching. Senior faculty candidates for tenured Associate/Full Professor positions should have established records of outstanding research and excellence in teaching.

Candidates for term Assistant Professor positions should possess a strong commitment to education and demonstrated excellence in teaching. Applicants at the rank of term Associate/Full Professor must have interests in outreach and significant experience in an academic setting for at least six years post PhD.

Preferred Qualifications

Applicants in all areas of Statistics will be given serious consideration.

For tenure-track and tenured faculty positions, we are particularly interested in candidates with research experience in the areas of data science, data analytics, biostatistics, AI, machine learning, causal inference, computational statistics, networks, and large and unstructured data. Candidates who can build collaborations with other departments within the College, across the University, or national organizations will benefit from the strong support and encouragement for interdisciplinary collaboration from the College and the University.

For term faculty positions, we are particularly interested in candidates with experience in the areas of data science and modern statistics. Preference will be given to candidates with good communication skills and significant teaching experience. Additionally, administrative and/or managerial experience is a plus; as well as research experience.

The department and the College place a high value on engaging students from traditionally underrepresented groups, and candidates from these groups are especially encouraged to apply.

About the Department

The Department of Statistics currently houses 22 primary faculty, and has numerous other (adjunct, emeritus, visiting, and affiliated) faculty. It offers a BS degree in Statistics, three MS degrees: Statistical Science, Biostatistics, and Data Analytics Engineering with Concentration in Statistics; and a PhD degree in Statistical Science. The Department of Statistics is renowned with leaders in statistics, biostatistics, and data science/analytics, with credentials in national collaborations, although it is a young department founded in 1992. It is located on the Fairfax, VA, campus in the high-tech corridor of Northern Virginia, 30 minutes from both downtown Washington, D.C., and Dulles International Airport.

The Department of Statistics is involved in multiple projects with INOVA health, one of the leading hospitals in the nation, and with other top corporations. It is also establishing new relationships and research ties via joint initiatives in the greater Washington metropolitan area. These relationships could include research at government agencies on a range of high-impact problems and in several areas of statistics and data science. The department has a distinct potential in becoming a hub for innovations in Statistics and Data Science (SDS) and interdisciplinary research involving medicine, engineering, economics, technology, and society. It is positioned for growth and success. In addition to the positions advertised here, the department is one of the participants of the funded Tech Talent Investment Pipeline, a cluster hire in *Computational Systems Biomedicine*. Faculty rental housing is also available on campus. Further information about the department is available at http://stat.gmu.edu/.

A Force for Innovation in the Heart of Northern Virginia's Technology Corridor

The College of Engineering and Computing (CEC) at George Mason University is comprised of the Volgenau School of Engineering and a new School of Computing. The College is a fast-growing force for innovation in research and education. Ranked nationally in the top 100 in both undergraduate and graduate education, the College boasts more than 9,100 students in 37 undergraduate, master's, and doctoral degree programs, including several first-in-the-nation offerings. Of the 271 full-time faculty who comprise the College, 91 are tenured, 59 are tenure-track, 89 are instructional faculty, and 32 are research faculty. As part of a nationally ranked research university, its research teams expended $75 million in sponsored research awards in the past year and has projects with over $400 million in current and anticipated awards. The College stands out for its leading research in areas such as artificial intelligence, data analytics engineering, cybersecurity engineering, biomedical imaging and devices, community-based healthcare, autonomous systems, 5G/Next G communications, systems architectures, computational biomedicine, advanced materials and manufacturing, sustainable infrastructure, and more. The College encourages multidisciplinary research and provides ample opportunity for faculty to work with other disciplines.

George Mason University is the largest and most diverse public research university in Virginia, with an enrollment of over 39,000 students studying in over 200 degree programs. Mason is an innovative, entrepreneurial institution with national distinction in a range of academic fields. It was classified as an R1 research institution in 2016 by the Carnegie Classifications of Institutes of Higher Education. Mason has campuses in Fairfax, Arlington, and Prince William. Its proximity to Washington, D.C. provides unmatched geographical access to a number of federal agencies and national laboratories. Northern Virginia is also home to one of the largest concentrations of high-tech firms in the nation, providing excellent opportunities for interaction with industry. The region is consistently rated as being among the best places to live in the country, and has an outstanding local public school system.

In conjunction with Amazon's decision to establish a second headquarters in Northern Virginia, the Commonwealth of Virginia announced a multi-year plan to invest in the growth of degree programs in computing. George Mason University has committed to accelerate its plans to grow its capacity in computing and high-tech fields. Among the exciting initiatives being undertaken by the university are the launch of the Institute for Digital InnovAtion, a university think tank and incubator to serve the digital economy, and the expansion of its Arlington Campus with a planned 400,000 square foot building that will house the new Institute for Digital InnovAtion. These initiatives reflect hundreds of millions of dollars in new investment by Mason that will rapidly elevate the university's already leading national position in computing and related areas.

Application

For full consideration, applicants must apply for position number F683AZ for tenure-track/tenured positions (opens online immediately), and **F685AZ for term faculty positions** (opens online in the first week of November); **at http://jobs.gmu.edu/**; complete and submit the online application; and upload a statement of professional goals including your perspective on teaching and research (to attach as 'Other Doc'), a complete CV with publications, a statement on what diversity and inclusion mean to you (to attach as 'Other Doc'), and the names of three professional references. **The review** of tenure-track and tenured faculty applications **will begin December 1, 2021**, while the review of term faculty applications will begin **February 1, 2022**. **The review of applications will continue until the positions are filled**.

George Mason University is an equal opportunity/affirmative action employer, committed to promoting inclusion and equity in its community. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, gender identity, sexual orientation, national origin, disability, or protected veteran status.