The University of Texas at San Antonio Department of Management Science and Statistics
Tenure-Track Position in Modeling/Big Data at the rank of Assistant Professor

The University of Texas at San Antonio Department of Management Science and Statistics invites applicants for a tenure-track assistant professor position in modeling and Big Data beginning Fall 2022.

**Job Description**

This position aims at fulfilling the department’s needs to support numerous college- and university-wide programs in the statistics and artificial intelligence areas—such as Ph.D. in Applied Statistics, M.S. in Statistics and Data Science, M.S. in Data Analytics, M.S. in Artificial Intelligence, and various undergraduate programs. This position aligns with the department, college, and university goals to support multidisciplinary programming and collaboration with the School of Data Science, College of Science, College of Engineering and Integrated Design, and the University College. The department’s degree programs in Statistics & Data Science, along with the new BBA in Business Analytics degree program are in need of faculty with strong statistical understanding and artificial intelligence research interests that will complement and supplement the existing capabilities of the department. This position will also enhance the student experience in these fields, both through pedagogy and various experiential learning opportunities. This focus on student experiential learning aligns with the college goals to develop more opportunities for undergraduate research pursuits. In addition, given the college and university goals of increasing funded research expenditures, this position can be instrumental in the endeavor of increasing funded research expenditures. Collaborations between departments are critical and this position will allow the faculty hired to serve on various research and practical projects and contribute to the growing demand in statistics and analytics. Overall, the faculty position’s skillset will provide unique perspectives that will expand the profile of the department and current faculty.

**Qualifications**

*Required Qualifications:*

1. An earned (or expected by the fall semester of 2022) Ph.D. in Statistics, Biostatistics, Data Science, Business Analytics, or a closely related area from an accredited university.
2. Strong potential for engaging in high quality research in statistical modeling for Big Data problems for publishing in high quality journals.
3. Expertise in one or more of the following areas: high-dimensional inference and modeling, dimension reduction, statistical engineering, causal inference, multilevel or hierarchical modeling, cloud-based scalable and distributed inference and modeling, and robust inference.
4. Good potential for getting external funding for research projects.
5. A demonstrated ability in teaching effectively at the undergraduate, masters, or Ph.D. levels in the areas of statistics and analytics.
6. Strong verbal and written communication skills.
7. The ability and desire to work collegially with faculty and students from diverse cultural backgrounds, especially with historically underrepresented students.
Preferred Qualifications:

(1) Strong interests in interdisciplinary collaborations with researchers from: (i) other departments within the Alvarez College of Business (e.g., Marketing, Finance, Information Systems and Cyber Security, etc.); (ii) other colleges (e.g., Public Health, Engineering, Science, etc.); or (iii) other universities (e.g., UT Health Science at San Antonio).

(2) Research interests align with Institutional Strategic Research Initiatives:
- Public Health
- Business Analytics (e.g., marketing analytics)
- Engineering
- Security/Intelligence
- Energy and Environment
- Human and Social Development

Department of Management Science and Statistics

The department has 16 tenured/tenure-track faculty members. Faculty members are actively engaged in research and support the existing doctoral, master, and undergraduate programs within the college. Untenured, tenure-track faculty teach three courses per year.

The Carlos Alvarez College of Business, UTSA, and San Antonio

With over 7,900 students, the UTSA Carlos Alvarez College of Business is one of the 40 largest business schools in the nation and offers a comprehensive curriculum at the undergraduate, master’s and doctoral levels. Accredited by AACSB International, the college was named one of the Top 5 undergraduate business programs in Texas by Bloomberg Businessweek. At the graduate level, the college was ranked the No. 4 Hispanic Serving part-time MBA program in Texas by U.S. News & World Report. UTSA is a comprehensive urban serving university that serves approximately 34,000 students on four campuses in San Antonio. UTSA has the express goal of becoming a premier public research university. It is located at the edge of the scenic Texas Hill Country and offers the amenities of a major multicultural, metropolitan area. With a population of over 1.5 million, San Antonio is within a few hours’ drive to Austin, Dallas, Houston, the Gulf of Mexico, and the Mexican border. Major industries include healthcare and biosciences, finance, tourism, military and cyber security.

Salary and Benefits

Salary and benefits are competitive and commensurate with qualifications and experience. UTSA offers an attractive package of benefits including medical and dental coverage plus a choice of participation in the Teacher Retirement System or an Optional Retirement Plan.
Application Procedure

Applicants must submit their full application package using the UTSA job website located at https://jobs.utsa.edu/ under the position title “Assistant Professor Position in Modeling/Big Data” with job ID:6854, or click this link.

Applicants should submit a letter of application, a CV (which should include information about the date and field of their academic degree(s) and citizenship or visa status), statement of research and teaching (which should include a discussion of the role of equity, diversity and inclusion in academic environments), evidence of research (publications or working papers), evidence of teaching accomplishments, and the names of three references along with their contact information (address, email, phone number). In addition, applicants must be able to show proof that they are eligible and qualified to work in the United States by the time of hire.

Applications will be accepted until the position is filled. However, to ensure full consideration, applicants should submit their application materials no later than November 15, 2021, the date that screening of applications will begin.

UTSA is an Affirmative Action/Equal Employment Opportunity Employer. Women, minorities, veterans and individuals with disabilities are encouraged to apply.

Additional information about UTSA, the Carlos Alvarez College of Business, and the Department of Management Science and Statistics can be found at the following websites: http://www.utsa.edu/, https://business.utsa.edu/ and https://business.utsa.edu/management-science-statistics/.

Equal Employment Opportunity and Affirmative Action Statement

As an equal employment opportunity and affirmative action employer, it is the policy of The University of Texas at San Antonio to promote and ensure equal employment opportunity for all individuals regardless of race, color, religion, sex, gender identity, sexual orientation, national origin, age, disability or genetic information, and veteran status. The University is committed to the Affirmative Action Program in compliance with all government requirements to ensure nondiscrimination. Women, minorities, people with disabilities and veterans are encouraged to apply. UTSA campuses are accessible to persons with disabilities.