Assistant Professor (Data Science and Biostatistics) - Alvarez College of Business, Department of Management Science and Statistics

Location: San Antonio, TX

Regular/Temporary: Regular

Job ID: 8619

Full/Part Time: Full Time

Department Marketing Statement
UTSA Department of Management Science and Statistics invites applicants for a tenure-track Assistant Professor position in Data Science and Biostatistics, beginning Fall 2023.

Department of Management Science and Statistics

The department has 17 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 and Hispanic-thriving university, with over 34,000 students on four campuses in San Antonio, committed to student success and academic excellence, including growing doctoral education. UTSA has achieved the Very High Research Activity (R1) classification by the Carnegie Foundation. 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 the 7th largest city in the US, located within a few hours’ drive to Austin, Dallas, Houston, the Gulf of Mexico, and the Mexican border. Major industries in the city are in the areas of healthcare and biosciences, finance, tourism, military and cyber security. 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/.

Org Marketing Statement
The University of Texas at San Antonio is a Hispanic Serving University specializing in cyber, health, fundamental futures, and social-economic development. With more than 34,000 students, it is the largest university in the San Antonio metropolitan region. UTSA advances knowledge through research and discovery, teaching and learning, community engagement and public service. The university embraces multicultural traditions and serves as a center for intellectual and creative resources as well as a catalyst for socioeconomic development and the commercialization of intellectual property—for Texas, the nation and the world. Learn more

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UTSA, situated in a global city that has been a crossroads of peoples and cultures for centuries, values diversity and inclusion in all aspects of university life. As an institution expressly founded to advance the education of Mexican Americans and other underserved communities, our university is committed to ending generations of discrimination and inequity. UTSA, a premier public research university, fosters academic excellence through a community of dialogue, discovery and innovation that embraces the uniqueness of each voice.

Posting End Date
Applications will be accepted until the position is filled. However, to ensure full consideration, applicants should submit their application materials no later than October 17th, 2022, the date that screening of applications will begin.

Salary
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. https://www.utsa.edu/hr/Benefits/

Hours per Week
Exempt Position: 40 hours per week.

Required Application Materials
Please submit all documents together in a single PDF in order to be considered.

• Letter of application, which should include the names of three references along with their contact information (address, email, phone number);
• CV, which should include information about the date of graduation or expected graduation date, field of their academic degree(s) and citizenship or visa status;
• Separate statements of research and teaching, which should include a discussion on the role of diversity, equity, and inclusion in academic environments, evidence of research (publications and/or working papers) and evidence of teaching accomplishments.

Essential Functions
This position aims at fulfilling the department's needs to support numerous college- and university-wide programs in the statistics, biostatistics, and bioinformatics areas such as Ph.D. in Applied Statistics, M.S. in Statistics & Data Science, M.S. in Data Analytics, M.S. in Artificial Intelligence, B.S. in Statistics & Data Science, and B.BA. in Actuarial
Science. This position aligns with the department, college, and university goals to support multidisciplinary and transdisciplinary programming and collaboration with the College for Health, Community & Policy and the College of Science as well as the School of Data Science. The department's degree programs in Statistics and Data Science are in need of faculty with strong understanding of and research interests and/or experience in statistics, biostatistics, and data science. These 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 is instrumental in the endeavor of increasing funded research expenditures (e.g., National Institute of Health (NIH) and National Science Foundation (NSF)). Collaborations between departments are critical and this position will allow the hired faculty to serve on various research and practical projects and contribute to the growing demand in biostatistics, bioinformatics, and data science. Overall, the faculty position's skill set will provide unique perspectives that will expand the profile of the department and current faculty.

**Required Qualifications**

- An earned (or expected before the Fall semester of 2023) Ph.D. in Statistics, Biostatistics, Data Science or a closely related area from an accredited university.
- Strong potential for engaging in high quality research in biostatistics, bioinformatics, and data science, and for publishing in the highest-level journals.
- Expertise in one or more of the following areas: biostatistics, bioinformatics, survival analysis, machine learning, artificial intelligence, statistical computing, statistical learning, and decision theory with the focus on biostatistics, epidemiology, public health, image analysis (fMRI), etc.
- Strong potential for getting external funding for research projects.
- A demonstrated ability in teaching effectively at the undergraduate, master's and Ph.D. levels in the areas of statistics and biostatistics.
- Strong verbal and written communication skills.
- The ability and desire to work collegially with faculty and students from diverse cultural backgrounds, especially with historically underrepresented students.

**Preferred Qualifications**

- Strong interests in interdisciplinary collaborations with researchers from: (i) departments within the Alvarez College of Business; (ii) departments in other UTSA colleges (e.g., Public Health, Biomedical Engineering, Neuroscience, etc.); or (iii) other institutions (e.g., UT Health San Antonio).
- Research interests aligning with the Institutional Strategic Research Initiatives:
  - Data Science / Biostatistics / Bioinformatics
  - Epidemiology / Public Health / Healthcare Analytics
• Computational / Informatics

**Working Conditions**

**On Campus:** Primary work location will be on campus

**Additional Information**

• UTSA is a tobacco free campus.
• This is a security sensitive position. Employment is contingent upon a successful background check.
• Applicants selected must be able to show proof of eligibility to work in the United States by time of hire.

**EO/AA 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.

**To view the full job posting and apply for this position, go to**

[https://apptrkr.com/3441250](https://apptrkr.com/3441250)

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