NOTE: The CSU requires faculty, staff, and students who are accessing campus facilities to be fully vaccinated against the COVID-19 virus (including all booster doses of an approved vaccine for which an individual is eligible per current CDC recommendations) or declare a medical or religious exemption from doing so. As a condition of employment, any candidates advanced in a currently open search process should be prepared to comply with this requirement as well as with other safety measures established on the campus. The systemwide policy can be found at https://calstate.policystat.com/policy/9779821/latest/ (https://calstate.policystat.com/policy/9779821/latest/) and questions may be sent to jobs@sjsu.edu (mailto:jobs@sjsu.edu).

Assistant Professor - Statistics / Data Science
Job no: 519480
Work type: Instructional Faculty – Tenured/Tenure-Track
Location: San José
Categories: Unit 3 - CFA - California Faculty Association, Faculty - Mathematics/Statistics, Tenured/Tenure-Track, Full Time

SAN JOSÉ STATE UNIVERSITY

Position Rank and Title: Assistant Prof Statistics/Data Science
Department Name: Mathematics and Statistics
Target Start Date: August 17, 2023
Application Deadline: November 15, 2022 (Applications are accepted until position is filled)

Position Description

The Department of Mathematics and Statistics at San José State University invites applications for one full time tenure-track faculty position in Statistics/Data Science at the rank of Assistant Professor.

The Department of Mathematics and Statistics at San José State University offers undergraduate and graduate degrees that prepare students to pursue continuing graduate study, to work in industry, and to teach in secondary schools or community colleges. Our department has faculty expertise in Pure and Applied Mathematics, Statistics, Data Science and Mathematics Education. We strive to teach our students to communicate statistical ideas effectively and to use basic computational skills, mathematical and statistical models, and technology to solve practical problems. The Department offers a variety of courses that serve students in other departments, notably engineering, science, and business, to help them use mathematics, statistics and quantitative analysis effectively in their chosen field. We also strive to teach well, maintain high standards for student performance, and keep our curriculum up-to-
date. Our faculty are active in scholarship and research, and are highly involved in student research via the Center for Applied Mathematics, Computation and Statistics (CAMCOS) projects and graduate student theses. You can read more about us at [www.sjsu.edu/math](http://www.sjsu.edu/math).

The Department of Mathematics and Statistics and San José State University value diversity, equity, inclusion, and belonging. Our excellence in research, teaching, and service can only be fully realized by faculty, students, and staff who share our commitment to these values. SJSU enrolls more than 36,000 students, many of whom are historically underserved, and around 45% are first-generation and 38% are Pell-recipients. SJSU is a Hispanic Serving Institution (HSI) and Asian American and Native American Pacific Islander (AANAPISI) Serving Institution. The university’s commitment to social justice extends from its vibrant, inclusive campus to an international network of over 275,000 alumni. As such, San José State is committed to increasing the diversity of its faculty so our disciplines, students, and the community can benefit from multiple ethnic and gender perspectives.

Successful candidates will demonstrate evidence of a commitment to equity and inclusion through their research, teaching, and/or service. We ask that all applicants include a Diversity Statement with their application package. A guide to writing this statement can be found at [SJSU Diversity Statement Guidelines](https://www.sjsu.edu/provost/faculty-success/sjsu-diversity-statement-guidelines-for-faculty-applicants.php), along with information about how these statements will be evaluated.

**Required Qualifications**

- Doctoral degree in Statistics or a closely related field completed by July 2023.
- We seek applicants with demonstrated evidence/potential of excellence in teaching at the university level, outstanding research potential, and a commitment to department service.
- A successful candidate will have expertise in an area of statistics or data science.
- Applicants should demonstrate an awareness of and sensitivity to the educational goals of a socially and economically diverse student population as might have been gained in cross-cultural study, training, teaching, and other comparable experience.

**Preferred Qualifications**

- Experience or interest in projects involving statistics or data science with business, industry, or government is desired, as we are looking for faculty who will help students find careers in business, industry, or government.

**Key Responsibilities**

The candidate is expected to teach a variety of undergraduate and graduate statistics or data science courses in the Department of Mathematics and Statistics, to maintain a program of scholarly activity, and to work on curriculum and program development.

The candidate is expected to supervise students on their research projects in both the department’s statistics and data science programs.

The candidate is expected to supervise student teams working on industrial research projects in the department’s Center for Applied Math, Computation, and Statistics (CAMCOS) program.

The candidate will participate in shared governance, usually in department, college, and university committees and other service assignments.

The candidate must demonstrate awareness and experience understanding the needs of a student population of great diversity – in age, abilities, cultural background, ethnicity, religion, economic background, primary language, sexual orientation, gender identity, and academic preparation – through inclusive course materials, teaching strategies and advisement.

Faculty shall organize all their classes within the Canvas Learning Management System (LMS).

Other Duties

Note that all San José State University employees are considered mandated reporters under the California Child Abuse and Neglect Reporting Act and are required to comply with the requirements set forth in CSU Executive Order 1083 as a condition of employment.

Pursuant to the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act (Clery Act) and CSU systemwide policy, some faculty duties may lead to designation as a Campus Security Authority (CSA). CSAs are required to complete Clery Act training and to immediately report Clery incidents to the institution.

Application Procedure

Select Apply Now to complete the SJSU Online Employment Application and attach the following documents:

- Letter of interest
- Curriculum vitae
- Diversity statement (https://www.sjsu.edu/provost/faculty-success/sjsu-diversity-statement-guidelines-for-faculty-applicants.php). Please include, if possible, demonstrated awareness of sensitivity to the educational goals of a multicultural population and note any preferred cross-cultural experience. Discuss how you would address the needs of ethnically diverse students through course materials, teaching strategies and advisement. (1-2 pages)
- Statement of teaching interests/philosophy. Please include a paragraph or two that describes what role faculty play in student success. (1-2 pages)
- Research Statement. In addition to a brief outline of your plans to establish your research program, include a paragraph or two on how you plan to include students in your research activities. (1-2) pages.
- Three references with contact information. We will be contacting your references to request letters of recommendation.

For full consideration, please submit your completed application by **November 15, 2022**.

Inquiries may be directed to the Search Committee Chair: Dr. Martina Bremer (martina.bremer@sjsu.edu)

**Conditional Offer**

The work for this faculty position is located in the State of California. Employment is contingent upon proof of eligibility to work in the United States. Proof of immunization and booster shots against COVID-19 or proof of a medical or religious exemption and compliance with testing protocols is required for employment. Satisfactory completion of a background check (including a criminal records check) is required for employment. SJSU will make a conditional offer of employment, which may be rescinded if the background check reveals disqualifying information, and/or it is discovered that the candidate knowingly withheld or falsified information. Failure to satisfactorily complete the background check may affect the continued employment of a current employee who was conditionally offered the position.

**San José State University: Silicon Valley's Public University**

Located in the heart of Silicon Valley — one of the most innovative regions in the world — San José State University ([http://www.sjsu.edu/about/index.php](http://www.sjsu.edu/about/index.php)) is the founding campus of the 23-campus California State University (CSU) system and the first public university in the West. Recognized as a leading transformative educational institution, San José State is an essential partner in the technological, economic, cultural, and social development of Silicon Valley, the Bay Area, and California. SJSU is a top-200 school nationally in research funding and second highest in research productivity in the CSU system. Cutting-edge research, world-class scholarship, student-centered learning, diverse communities, and commitment to social justice, allow SJSU to provide life-changing opportunities and advance the public good locally and globally.

**Equal Employment Statement**
San José State University prohibits discrimination on the basis of Age, Ancestry, Caste, Color, Disability, Ethnicity, Gender, Gender Expression, Gender Identity, Genetic Information, Marital Status, Medical Condition, Military Status, Nationality, Race, Religion, Religious Creed, Sex, Sexual Orientation, Sex Stereotype, and Veteran Status. This policy applies to all San José State University students, faculty, and staff as well as University programs and activities. Reasonable accommodations are made for applicants with disabilities who self-disclose.

Campus Security and Fire Safety Notification

Pursuant to the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act, the Annual Security Report (ASR) is also now available for viewing at https://www.sjsu.edu/clery/docs/SJSU-Annual-Security-Report.pdf. The ASR contains the current security and safety-related policy statements, emergency preparedness and evacuation information, crime prevention and Sexual Assault prevention information, and information about drug and alcohol prevention programming. The ASR also contains statistics of Clery crimes for San José State University locations for the three most recent calendar years. A paper copy of the ASR is available upon request by contacting the Office of the Clery Director by phone at 408-924-1501 or by email at clerycompliance@sjsu.edu.

Pursuant to the Higher Education Opportunity Act, the Annual Fire Safety Report (AFSR) is available at https://www.sjsu.edu/clery/docs/SJSU-Annual-Fire-Safety-Report.pdf. The purpose of this report is to disclose statistics for fires that occurred within SJSU on-campus housing facilities for the three most recent calendar years, and to distribute fire safety policies and procedures intended to promote safety on Campus. A paper copy of the AFSR is available upon request by contacting the Housing Office by phone at 408-795-5600 or by email at uhs-frontdesk@sjsu.edu.

Advertised: September 26, 2022 (9:00 AM) Pacific Daylight Time

Applications close: Open Until Filled