



Department of Mathematics
College of Natural Sciences and Mathematics
Assistant Professor
Fall 2024

The Department of Mathematics at California State University, Fullerton, invites applications for a tenure-track position in Statistics/Data Science Education at the Assistant Professor level with appointment to begin in August 2024. Individuals interested in advancing the University's Strategic Plan, diversity, equity, and inclusion goals are particularly encouraged to apply.

Position

CSUF faculty are committed teacher-scholars who bring research and creative discovery to life for students in classrooms, labs, and individually mentored projects. Candidates for this position must have a solid theoretical and applied background in Statistics and/or Data Science education and a passion for teaching and research. The successful candidate will contribute to the expansion of our Statistics/Data Science Education programs here at CSUF through teaching, research, professional activities, and service.

Responsibilities

This position includes the following responsibilities:

- Teach undergraduate and graduate courses in mathematics, including graduate teacher-oriented courses in statistics education and data science in both face-to-face and virtual settings.
- Maintain an active research program which involves students and is related to the teaching and learning of mathematics, with particular emphasis in issues of statistics and mathematics education.
- Participate in departmental service and advise students in the teaching options of the undergraduate and graduate degree programs.

This position offers a number of exciting opportunities to collaborate with elementary, middle school, and high school teachers, CSUF College of Education faculty members, community college instructors, and mathematicians on a variety of teaching, research, and grant-funded projects. The successful candidate will contribute to the mathematics community at CSUF through teaching, research, professional activities, and service on departmental and university-wide committees.

Required Qualifications

The successful candidate must:

- Have a Ph.D. in Statistics Education or Data Science Education. Alternatively, have a Ph.D. in Education or Mathematics Education with substantial training in Statistics; or a Ph.D. in Statistics with demonstrated experience and expertise in Education. All degree requirements must be completed prior to the starting date.
- Be able to teach and contribute to developing a series of courses related to Data Science and Statistics Education at both undergraduate and graduate levels, with a focus on preparing future teachers and practitioners and incorporating topics related to diversity, equity, and inclusion
- Have a well-defined research agenda in either Data Science Education or Statistics Education with a clear vision of current and future work and how both undergraduate and graduate students will be involved in this work.



- Have a demonstrated commitment to teaching and mentoring students of diverse ethnic, cultural, and socioeconomic backgrounds, as well as the ability to communicate effectively with a culturally diverse campus community.

Preferred Qualifications

- Interest in contributing to our growing Data Science programs.
- Excellence in teaching at the undergraduate and graduate levels.
- Experience with Data Science and/or Machine Learning.
- Interest in collaborating and contributing to the mathematics community at CSUF through research and professional activities, such as DEI-focused workshops as well as service on departmental and university-wide committees.
- A successful record of obtaining external funding.
- Teaching expertise in online/virtual environments.

Application Procedure

A complete online application must be received by electronic submission in order to receive consideration. To apply, please visit <https://www.mathjobs.org/jobs/list/22986>. Please provide the following required materials:

- A cover letter addressing the following:
 - Required qualifications
 - Preferred qualifications
 - Your interest in this position
 - How your professional aspirations align with the Department's programs and activities
 - How your professional experience and interests link to issues in secondary and post-secondary education
- Full Curriculum Vitae
- Research statement, including a five-year research plan
- Teaching statement
- Candidate Statement on Commitment to Inclusive Excellence that addresses contributions and commitment to diversity, equity, inclusion and social justice in mathematics teaching and learning. The purpose of this statement is to help the department identify candidates who have professional experience, intellectual commitments, and/or willingness to engage in activities that could help CSUF contribute to its mission in these areas.
- Graduate transcripts (Unofficial transcripts accepted for application deadline – Official transcripts due no later than June 2024)
- Three letters of recommendation
 - On the references page of the online application, enter information for three referents who will provide a confidential letter of reference for your application. They will receive a request via email along with information on uploading the letter. You will be able to verify that each letter has been received by CSUF by logging back into your application portal.

- The letters should speak to the candidate's teaching and/or research potential as well as potential to be a productive member of the Department; at least one of the letters must reference the candidate's teaching potential.

Application Deadline

To be assured full consideration, all application materials must be received by **November 26, 2023**. Please direct all questions about the position to: Dr. Cherie Ichinose at cichinose@fullerton.edu.

About the Mathematics Department

The Mathematics Department has 36 tenured or tenure-track faculty members and offers an undergraduate degree program with concentrations in Teaching Mathematics, Statistics, Actuarial Science, Pure Mathematics, and Applied Mathematics. The department also offers the following graduate degree programs: M.A. in Teaching Mathematics, M.S. in Statistics, and M.S. in Computational Applied Mathematics. Extra-curricular activities are an integral part of our department culture. We are considered a leader in cutting edge and inclusive pedagogical practices. Our faculty often pursue and are awarded grants to fund efforts to support our students. The Department of Mathematics at CSUF received the 2022 Award for Mathematics Programs That Makes a Difference by the American Mathematical Society. For more details, please visit the Mathematics Department webpage at <http://www.fullerton.edu/math/>.

Mathematics and Statistics Education at CSUF

The Mathematics Department currently has seven full-time tenured or tenure-track faculty members in the area of Mathematics Education and statistics. Research areas of the Mathematics Education group include advanced mathematical thinking, problem posing and problem solving, mathematical modeling, professional development, and access and equity issues in mathematics. In addition, the Mathematics Department has seven full time tenure or tenure track faculty members in Statistics. The faculty in the Statistics group are engaged in a wide spectrum of research activities, including statistical modeling of education data, Biostatistics, statistical learning and statistical computing, Bayesian Statistics, and design of experiments.

We encourage and support faculty in their efforts to secure grants. The Mathematics Education and Statistics groups are both involved in a number of nationally funded projects, having received more than twenty million dollars in funding over the past ten years, including a recent grant for developing pathways and overcoming equity gaps in data science learning in partnership with local universities and community colleges. Other current grants include partnerships with local school districts and community colleges that serve diverse student populations.

The University and College

California State University, Fullerton is one of the largest universities in California, serving 40,000 students from southern California and especially Orange County. It is the largest of the 23 California State University campuses, the largest and most diverse university system in the country, and one of the most affordable. It ranks fifth and ninth nationally in the number of baccalaureate degrees awarded to Hispanic and minority students, respectively.

“The College of Natural Sciences and Mathematics (CNSM) is dedicated to the principle that teaching and research are intricately mixed and that undergraduate research, when properly approached, is an integral part of teaching. This fine balance between teaching and research is CNSM's greatest strength. Through the combination



of quality instruction, student involvement in research and strong academic advisement, CNSM provides its students with the best education possible.” (<http://www.fullerton.edu/NSM/>)

Compensation

The Assistant Professor (Academic Year) classification salary range is \$5,405 to \$11,994 monthly (12 monthly payments per academic year). The anticipated hiring range is \$6,856 to \$7,000 per month.

Salary offered is commensurate with experience and qualifications. In addition, the California Equal Pay Act prohibits employers from paying its employees less than those of the opposite sex and/or another race or ethnicity for substantially similar work (https://www.dir.ca.gov/dlse/california_equal_pay_act.htm).

Summer research grants, moving expenses, start-up funds, and a reduced teaching load may be available.

CSUF Benefits

An excellent comprehensive benefits package includes health/vision/dental plans; spouse, domestic partner, and dependent fee-waiver; access to campus child-care; and a defined-benefit retirement through the state system and optional tax sheltering opportunities. For a detailed description of benefits, please visit <https://hr.fullerton.edu/total-wellness/>.

Additional Information

Multiple positions may be hired from this recruitment based on the strength of the applicant pool. California State University, Fullerton (CSUF) is a minority-serving institution, affirmative action, and equal opportunity employer. CSUF is firmly committed to increasing the diversity of the campus community and the curriculum and fostering an inclusive environment within which students, staff, administrators, and faculty thrive. Candidates who can contribute to this goal through their teaching, research, advising and other activities are encouraged to identify their strengths and experiences. Individuals advancing the University’s strategic diversity goals and those from groups whose underrepresentation in the American professoriate has been severe and longstanding are particularly encouraged to apply.

CSUF is committed to retaining all faculty and has established affinity groups you can join to support your success.

CSU Policies

The person holding this position is considered a ‘mandated reporter’ under the California Child Abuse and Neglect Reporting Act and must comply with the requirements set forth in CSU Executive Order 1083, revised July 21, 2017, as a condition of employment.

A background check (including a criminal records check) must be completed satisfactorily before any candidate can be formally offered a position with the CSU. Failure to satisfactorily complete the background check may affect the application status of applicants or the continued employment of current CSU employees who apply for the position.

Reasonable accommodations will be provided for qualified applicants with disabilities who self-disclose. Notice of Non-Discrimination based on Gender or Sex and Contact Information for Title IX Coordinator



<http://www.fullerton.edu/titleix/about/notice.php>.

In accordance with the California State University (CSU) Out-of-State Employment Policy, the CSU is a state entity whose business operations reside within the State of California. It requires hiring employees to perform CSU-related work within the State of California.