



UNIVERSITY OF CALIFORNIA  
**SANTA CRUZ**

**UNIVERSITY OF CALIFORNIA, SANTA CRUZ**

**DEPARTMENT OF STATISTICS**

**Assistant Professor, Statistical Science for Big Data**

The Department of Statistics <https://www.soe.ucsc.edu/departments/statistics> at the University of California, Santa Cruz (UCSC) invites applications for a tenure-track position in Statistics at the Assistant Professor level. We seek outstanding applicants whose research complements our existing strengths in Statistics and Data Science. We are particularly interested in candidates with expertise in statistical methods for high-dimensional data, whose research focuses on analysis of structured models that describe complex patterns in data using sophisticated hierarchical specifications. Candidates should have research expertise on model development (incorporating subject-matter information), predictive approaches, optimal decision-making, and probabilistic quantification of uncertainty. The successful candidate will be expected to develop and maintain externally funded research programs; to teach, mentor, and advise students at the graduate and undergraduate level individually and in the classroom; to contribute significantly to graduate education; and, to perform university and professional service.

The recently formed Department of Statistics is part of the Baskin School of Engineering. The department has been established by the statistics group of the former Applied Mathematics and Statistics department. The group has been present on campus since 2001, and has built a stellar reputation for its dynamism and innovation. Our graduate program has a steady throughput of professionals that perform brilliantly in academia, industry and government, and currently has about 45 students. Research and instruction are supported by excellent facilities in the breathtaking environment of our campus. There are strong opportunities to collaborate with colleagues within the department as well as in the other existing programs in the School of Engineering, including Biomolecular Engineering, Computer Science and Engineering, Electrical and Computer Engineering, Computational Media, and Applied Mathematics. More widely, our campus offers fertile grounds for scientific research in physical, biological and social sciences. Given the proximity of the campus to Silicon Valley, there are multiple opportunities for collaboration with investigators working on cutting edge science and engineering problems in institutions and companies in the area. Examples of these are NASA Ames, Lawrence Livermore National Laboratory, Sandia National Laboratory, National Marine Fisheries Service of NOAA, Google, e-Bay, and The Climate Corporation, among others. The new faculty member will have the opportunity to leverage the positive environment of the Department of Statistics to advance a professional focus on high quality teaching and cutting-edge research.

We welcome candidates who understand the barriers facing women and minorities who are underrepresented in higher education careers (as evidenced by life experiences and educational background), and who have experience in equity and diversity with respect to teaching, mentoring, research, life experiences, or service towards building an equitable and diverse scholarly environment.

UC Santa Cruz campus is located approximately 75 miles from San Francisco and 35 miles from the heart of Silicon Valley. Campus comprises two thousand acres of forested hills overlooking the Pacific Ocean and Monterey Bay with one of the most visually spectacular settings in higher education. In 2016-17, the *Times Higher Education* ranked UC Santa Cruz 4th in research influence.

The UCSC Silicon Valley Campus is located in the heart of Silicon Valley near San Jose, the worldwide epicenter for industry and innovation in games and information technology. The location affords extensive consulting opportunities and avenues for collaborative research with industry. Opened in 2016, the UCSC Silicon Valley Campus features contemporary interior design with multiple classrooms, computer labs, and project rooms, along with an event center and television studio.

## ACADEMIC TITLE

Assistant Professor, tenure-track

## SALARY

Commensurate with qualifications and experience; academic year (nine-month basis).

## BASIC QUALIFICATIONS

Ph.D. degree (or equivalent foreign degree) in Statistics or closely related field. Teaching experience (demonstrated by college level teaching experience, TA experience, research presentations and/or professional training seminars). Demonstrated record of research in Statistics. It is expected that the degree requirement will be completed by June 30, 2020.

## POSITION AVAILABLE

July 1, 2020 (with academic year beginning September 2020). All degree requirements must be completed by June 30, 2021 for employment beyond that date.

## APPLICATION REQUIREMENTS

Applications are accepted via the UCSC Academic Recruit online system; all documents and materials must be submitted as PDFs.

**APPLY AT** <https://recruit.ucsc.edu/apply/JPF00763>

Please refer to Position # JPF00763-20 in all correspondence.

## Documents/Materials

- Letter of application that briefly summarizes your qualifications and interest in the position (required)
- Curriculum vitae (required)
- Statement of research plans (required)
- Statement of teaching interests and experience (required)
- Statement addressing contributions to diversity, equity, and inclusion through research, teaching, and/or service (required). See guidelines at <https://apo.ucsc.edu/diversity.html>
- 1--3 selected publications or technical reports (a minimum of 1 is required and a maximum of 3 will be accepted)
- 3 confidential letters of recommendation\* (required)

## Reference Requirement

Applications must include confidential letters of recommendation\* (3 letters are required). Please note that your references, or dossier service, will submit their confidential letters directly to the UC Recruit System.

\*All letters will be treated as confidential per University of California policy and California state law. For any reference letter provided via a third party (i.e., dossier service, career center), direct the author to UCSC's confidentiality statement at <http://apo.ucsc.edu/confstm.htm>.

## RECRUITMENT PERIOD

Full consideration will be given to applications completed by **December 9, 2019**. Applications received after this date will be considered only if the position has not been filled.

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The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, or protected veteran status. UC Santa Cruz is committed to excellence through diversity and strives to establish a climate that welcomes, celebrates, and promotes respect for the contributions of all students and employees. Inquiries regarding the University's equal employment opportunity policies may be directed to the Office for Diversity, Equity, and Inclusion at the University of California, Santa Cruz, CA 95064 or by phone at (831) 459-3676.

Under Federal law, the University of California may employ only individuals who are legally able to work in the United States as established by providing documents as specified in the Immigration Reform and Control Act of 1986. Certain UCSC positions funded by federal contracts or sub-contracts require the selected candidate to pass an E-Verify check (see <https://www.uscis.gov/e-verify>). More information is available at the APO website (see <https://apo.ucsc.edu/policy/capm/104.000%20.html>) or call (831) 459-4300.

UCSC is a smoke & tobacco-free campus

If you need accommodation due to a disability, please contact the Academic Personnel Office at [apo@ucsc.edu](mailto:apo@ucsc.edu) (831) 459-4300.

Visit the Apo Web Site at <http://apo.ucsc.edu>

Our institution is committed to addressing the spousal and partner employment needs of our candidates and employees. As part of this commitment, our institution is a member of the Northern California Higher Education Recruitment Consortium (NorCal HERC). Visit the NorCal HERC website at [norcalherc.org](http://norcalherc.org) to search for open positions within a commutable distance of our institution

[10.8.19]