

# CALIFORNIA STATE UNIVERSITY, EAST BAY

## FACULTY EMPLOYMENT OPPORTUNITY

### DEPARTMENT OF STATISTICS AND BIOSTATISTICS

#### *FULL-TIME TENURE-TRACK*

OAA Position No. 16-17 STAT-DATASCIENCE-TT

**THE UNIVERSITY:** California State University, East Bay is known for award-winning programs, expert instruction, a diverse student body, and a choice of more than 100 career-focused fields of study. The ten major buildings of the Hayward Hills campus, on 342 acres, contain over 150 classrooms and teaching laboratories, over 177 specialized instructional rooms, numerous computer labs and a library, which contains a collection of over one million items. The University also has campuses in Contra Costa County, Online, and in Oakland, California. With an enrollment of approximately 13,000 students and 600 faculty, CSUEB is organized into four colleges: Letters, Arts, and Social Sciences; Business and Economics; Education and Allied Studies; and Science. The University offers bachelor's degrees in 50 fields, minors in 61 fields, master's degrees in 37, and 1 doctoral degree program. <http://www20.csueastbay.edu/>

**THE DEPARTMENT:** The Department of Statistics and Biostatistics offers an undergraduate degree in Statistics, two post-baccalaureate certificates (in applied or theoretical statistics), and master's degrees in Biostatistics and Statistics. The Biostatistics MS degree is an accredited Professional Science Master's Program, and the Statistics MS degree offers four options (actuarial, applied, computational, and mathematical statistics). The Department also teaches basic statistics courses for many major programs throughout the University.

The options in the MS Statistics program allow students to customize their program specific to their career goals. The MS programs focus largely on applications and methodology. The courses are designed to prepare students for employment in the large and diverse Bay Area job market for analytics, statistics and biostatistics, as well as for employment opportunities nationwide. Our programs are flexible enough to allow students to prepare for Ph.D. programs, including at major research universities. Currently (June 2015) there are about 20 undergraduate majors (including double majors) and minors, about 35 biostatistics MS majors and about 100 statistics MS majors. Many alumni continue their ties with the Department, often recruiting current students for job openings or providing advice about curriculum development.

The members of our faculty are devoted to teaching, involved in University affairs, maintain active research programs, and actively participate in local and national statistics professional societies. Faculty expertise covers a broad range from clinical biostatistics, non-clinical biostatistics, theoretical statistics, computational statistics, and applied statistics. University computer labs are well-equipped, with access to R, SAS<sup>®</sup>, MINITAB<sup>®</sup> and SPSS<sup>®</sup>, and allow students to program using full versions of statistical software packages often used in the market. Applied courses include extensive computer use; elementary and theoretical courses meet in a computer lab at least a few times a quarter.

The class size for elementary statistics courses required by other majors is approximately 50 students. Classes for statistics undergraduate majors and minors are generally far smaller in size. The size of required master's-level courses varies from 30 to 50 students. Summer courses are offered on specialized topics; historically, these have been offered at both the graduate and undergraduate levels. To learn more about the Department visit: <http://www20.csueastbay.edu/csci/departments/statistics/>.

**DUTIES OF THE POSITION:** Teach undergraduate and master's level students in statistics, computational statistics, analytics, probability theory and modeling, and (if applicable) biostatistics. The areas of application we seek are: Data Science, Computational Statistics, Statistical Learning, and Big Data. In addition to teaching, all faculty have advising responsibilities, assist the Department with administrative and committee work, and are expected to assume campus-wide committee responsibilities. Faculty members teach, mentor, and advise an ethnically diverse student body. Faculty members maintain active research programs, oversee student research and consulting activities, and assist in preparing and

administering the Comprehensive Examination for the MS degrees (given in Spring and Fall Quarters every year).

Please note that teaching assignments at California State University, East Bay include courses offered at the Hayward, Concord and Online campuses.

**RANK AND SALARY:** Assistant Professor. Salary is dependent upon educational preparation and experience. Subject to budgetary authorization.

**DATE OF APPOINTMENT:** Fall Quarter 2016.

**QUALIFICATIONS:** Ph.D. in Statistics or Biostatistics, preferably by June 2016, but in no case later than the effective date of the appointment. Candidates with successful teaching experience at the university level are preferred. Candidates should demonstrate experience in teaching, mentoring, research, or community service that has prepared them to contribute to our commitment to diversity and excellence. Additionally, applicants must demonstrate a record of scholarly activity. This University is fully committed to the rights of students, staff and faculty with disabilities in accordance with applicable state and federal laws. For more information about the University's program supporting the rights of our students with disabilities see: <http://www20.csueastbay.edu/af/departments/as/>.

**APPLICATION DEADLINE:** Review of applications will begin on November 2, 2015. The position will be considered open until filled. Please submit hard copies of a statement of teaching philosophy, proposed research plan, copies of major publications, and three letters of recommendation to the Chair of the search committee as noted below.

Please submit online a letter of application, which addresses the qualifications noted in the position announcement, and a complete and current vita [here](#) (Faculty Job ID 4643).

Shenghua (Kelly) Fan  
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**NOTE:** California State University, East Bay hires only individuals lawfully authorized to work in the United States. All offers of employment are contingent upon presentation of documents demonstrating the appointee's identity and eligibility to work, in accordance with the provisions of the Immigration Reform and Control Act. If you are considered as a finalist for the position, you may be subject to a background check.

As an Equal Opportunity Employer, CSUEB does not discriminate on the basis of any protected categories: age, ancestry, citizenship, color, disability, gender, immigration status, marital status, national origin, race, religion, sexual orientation, or veteran's status. The University is committed to the principles of diversity in employment and to creating a stimulating learning environment for its diverse student body.