1. Openings for Assistant, Associate, and Full Professor of Statistics and Data Science

Yale University's Department of Statistics and Data Science invites applications for open rank faculty positions to start in July 2018. The Department seeks outstanding researchers having expertise in both theory and applications, with significant interests in working with real data. Many opportunities exist for collaboration with other Yale departments and programs. The Department strongly encourages excellence in teaching.

Candidates for both untenured and tenured positions should submit a CV, a statement of interest, and three letters of recommendation. More information about the department can be found at http://statistics.yale.edu/. Applications submitted by December 15, 2017 will be given highest priority. Please apply at apply.interfolio.com/45650.

Yale is an affirmative action equal opportunity employer. Yale values diversity among its students, staff, and faculty and strongly welcomes applications from women, persons with disabilities, underrepresented minorities, and protected veterans.

2. Joint Openings for Assistant, Associate, or Full Professor of Computer Science and Statistics and Data Science

Yale University's Department of Computer Science and Department of Statistics and Data Science invite applications for joint, open rank faculty positions to start in July 2018. Outstanding researchers with expertise in areas of importance in Computer Science, Statistics and Data Science, and having strong interest in working with real data, are encouraged to apply. Many opportunities exist for research collaborations across campus, and interdisciplinary work is encouraged. Applicants are expected to excel in both research and teaching. Research areas of particular interest include, but are not limited to, machine learning, vision, natural language processing, data-centric computing systems, optimization, and privacy and fairness in computing.

Candidates for both tenured and untenured positions should submit a CV, a statement of interest, and three letters of recommendation. More information about the departments can be found at http://cpsc.yale.edu and http://statistics.yale.edu/. Applications submitted by December 15, 2017 will be given highest priority. Please apply at apply.interfolio.com/45802.

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3. Joint Opening for Assistant, Associate, or Full Professor of Statistics and Data Science

The Department of Statistics & Data Science together with the Yale Quantitative Biology Institute seeks applicants for a faculty appointment in the area of biological image analysis. Applications will be considered for a position at any level-Assistant Professor, Associate Professor or Full Professor. The anticipated start date is July 1, 2018.

Over the last decade, there has been revolutions in microscopy, resulting in large increases in resolution, as well as techniques to visualize, in three dimensions, structures ranging in size from single molecules to whole organisms. There has also been rapid development of new probes for dynamic and functional imaging of electrical and chemical activity in cells, tissues
and bacterial communities. As a consequence of the explosion in the amount of image data, image analysis has become a rate limiting step for scientific discoveries, and the extraction of information from biological images poses new challenges in statistics, mathematics and computer science. We are looking for an individual who is excited by these challenges and whose primary appointment would be in the Department of Statistics & Data Science, with a possible joint appointment in one of the biology departments at Yale: Molecular Biophysics & Biochemistry; Molecular, Cellular and Developmental Biology; or Ecology & Evolutionary Biology. The candidate's group will be located in the Quantitative Biology Institute, in the new Yale Science Building under construction on Science Hill. Several additional positions in the Quantitative Biology Institute are anticipated.

The Department of Statistics & Data Science together with the newly established Yale Quantitative Biology Institute offer a dynamic and interactive community of biologists, working on a wide range of topics ranging from molecular function, cell and tissue biology, to population and evolutionary biology, and using a wide range of techniques including cryoEM, light microscopy, genetic and proteomic tools and computational approaches. There is also a very strong community of applied mathematicians, theoretical physicists, statisticians, data scientists and computer scientists working on a wide range of biological questions.

The successful candidate is expected to establish an active research group, be an interactive member of the faculty, and contribute to the teaching program at the undergraduate and graduate levels in the interdisciplinary area of Quantitative Biology. Communication skills conducive to excellence in interdisciplinary research and teaching are necessary. Applicants must hold a Ph.D. or equivalent degree in a relevant discipline and a record of outstanding research that demonstrates originality and independence.

Applicants should create a profile at Interfolio at apply.interfolio.com/46515 and upload a cover letter, curriculum vitae, statement of current and future research plans (up to 3 pages), and up to five reprints of papers published or in press. Assistant Professor applicants should also arrange for three referees to upload their letters of recommendation; letters of recommendation for Associate Professor and Full Professor applicants, while not required, would be useful to the committee. Review of applications will begin on December 1, 2017 and will continue until the position is filled. To ensure full consideration, please submit all materials by December 31, 2017.

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