



Multiple Teaching Professor Positions in Data Science

Position Title:

Assistant, Associate, or Full Teaching Professor, Rice Center for Transforming Data to Knowledge (D2K Lab) & Departments of Statistics or Computer Science, Rice University

The Rice Center for Transforming Data to Knowledge, informally called the D2K Lab, in conjunction with the Departments of Statistics and Computer Science seeks applicants with strong applied data science experience for multiple, open-rank teaching-track professors.

The D2K Lab is a new center within the George R. Brown School of Engineering at Rice University in Houston, TX. The mission of the D2K Lab is to provide students with immersive, experiential learning opportunities in data science while enhancing data-intensive research at Rice and building partnerships with companies, institutions, and community organizations. This will be achieved through a series of curricular and co-curricular programs and events for students that connect them to real world data science problems from partners and clients. The D2K Lab will work closely with data science oriented departments in the School of Engineering (Statistics, Computer Science, Computational and Applied Math, and Electrical and Computer Engineering), and all D2K Lab experiential learning courses will be embedded into existing or newly created academic programs and degrees.

The Rice Computer Science department is a vibrant community of 28 faculty members, over 500 undergraduate students, and over 200 graduate students. Teaching and research in the department spans several areas, including computer systems, programming languages, artificial intelligence, machine learning, and interdisciplinary fields. The Rice Statistics department offers both graduate and undergraduate degree programs. Faculty maintain active research groups with focus in modern statistics including Bayesian methods, computational finance, functional data, multivariate analysis, networks or graphical models, probability theory, statistical machine learning, spatial and temporal processes, statistical computing, stochastic processes and optimization.

Candidates for these Teaching Track positions should have a PhD in a relevant quantitative field and have demonstrated potential or a strong record of teaching excellence.

Candidates with industry experience or strong applied data science research experience in the areas of healthcare and biomedical research, social science and public policy, energy, finance, or technology are especially encouraged to apply. Each candidate will have an academic home in the Department of Statistics or the Department of Computer Science. Teaching track faculty positions at Rice University offer promotable career paths for faculty who are committed to excellence in teaching.

The main responsibilities of D2K Teaching Track faculty will be to:

- Co-teach two sections of D2K Lab experiential learning courses each semester.
- Teach one traditional (lecture-style) data science course at the undergraduate or masters level per semester.
- Build and foster partnerships by helping to develop client-sponsored data science projects.
- Mentor students teams on client-sponsored data science projects.
- Conduct research in data science, data science education, or develop data science software.
- Perform service with the D2K Lab and the Department of Statistics or Computer Science in support of data science education.

To apply to these positions, please submit a cover letter, CV, a teaching statement, examples of teaching materials, and optionally, a statement on relevant data science research experience to <http://jobs.rice.edu/postings/16921>. Questions regarding this position can be directed to Genevera Allen (d2k@rice.edu), the D2K Lab Faculty Director. Applications will be reviewed on a rolling basis, with start dates in January 2019 or summer 2019.

Rice University has undertaken a university-wide data science initiative, funded at roughly \$45 million, that has hired eight new faculty members and launched new educational programs. Rice University is well placed to capitalize on the data-rich resources of the United States' fourth largest city. Rice is across the street from the world's largest medical center and has long ties to Houston's major industries, its school districts, its civic organizations, and the City of Houston. Houston, Texas is an unstoppable city that offers affordable housing, a tremendously diverse population, over 11,000 restaurants, a thriving arts and museum culture, and the 2017 World Series Champions!

Rice University is a private, coeducational, nonsectarian university that aspires to path-breaking research, unsurpassed teaching, and contributions to the betterment of our world. Rice fulfills this mission by cultivating a diverse community of learning and discovery that produces leaders across the spectrum of human endeavor.

The George R. Brown School of Engineering is strongly committed to nurturing the aspirations of faculty, staff and students in an inclusive environment. We seek greater representation of women, minorities, people with disabilities, and veterans in disciplines in which they have historically been underrepresented; to attract international students from a wider range of countries and backgrounds; to accelerate progress in building a faculty and staff who are diverse in background and thought; and we support an inclusive environment that fosters interaction and understanding within our diverse community.

Rice University is an Equal Opportunity Employer with commitment to diversity at all levels, and considers for employment qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national or ethnic origin, genetic information, disability or protected veteran status.