Denison University

Position Title  Assistant Professor of Data Analytics (specialization in applied statistics)

Position Type  Faculty

Tenure or non-tenure track  Tenure

Job Summary and Requirements

We will be attending the American Statistical Association annual meeting 2019 in Denver and would be happy to meet to discuss the position. Interested individuals should contact bonifontea@denison.edu

Denison University seeks to hire a tenure-track faculty member to further develop its new interdisciplinary program in Data Analytics to start in the Fall of 2020. Candidates must have earned a Ph.D. no later than August 2020, and have a broad and deep formal education in Applied Statistics, Data Science, or closely related field. The primary field for statistical application and experience may be in the social, natural, or quantitative sciences or the humanities. Successful applicants will be actively engaged in research that applies and/or develops advanced statistical and data-driven techniques to address questions of practical significance. New hires are normally made at the rank of Assistant Professor, but hiring at an advanced rank may be possible with significant prior experience.

For more information on Denison’s new Data Analytics program, please visit http://denison.edu/academics/data-analytics.

We seek to hire an individual from the Statistics discipline that is representative of the applied, interdisciplinary nature of Data Analytics. This individual will join an existing group of interdisciplinary faculty to continue to grow and develop the Data Analytics major within our liberal arts curriculum. The candidate will have an opportunity to build statistics examples into existing curriculum, develop new courses, and to help integrate and raise the level of applied statistical research and quantitative reasoning at Denison and in the broader community.

Candidates must demonstrate successful teaching at the undergraduate level and a strong desire for pedagogical and curricular innovation within a liberal arts environment. We are seeking energetic self-starters who have a passion for bridging traditional disciplinary boundaries and an interest in linking the classroom to the wider faculty and community. Teaching responsibilities will include core courses across all levels of the Data Analytics major and potentially additional courses in the candidate’s specialization (with applications to Data Analytics). The typical teaching load is 5 courses per year.

Core courses include Introduction to Data Analytics, Applied Statistics, Practicum in Data Analytics, Advanced Methods in Data Analytics, and Senior Seminar in Data Analytics. Course details can be found on the website: https://denison.edu/academics/data-analytics/courses. The Data Analytics Program is growing rapidly at Denison, and is currently among the largest majors on campus, with more than 120 students. As interdisciplinary majors, all students choose a domain area in which to develop disciplinary
knowledge in addition to the core Data Analytics skills. Thus, candidates have an opportunity to creatively engage with students across broad demographic, academic, and career interests, to apply and connect their skill sets.

The Denison faculty is a community of teacher-scholars. Therefore, candidates must also have a clearly articulated, productive research program related to Data Analytics that is able to accommodate undergraduate research and flourish in a liberal arts environment. Denison hosts a vibrant and well-funded undergraduate research program, and offers competitive professional development funds and a pre-tenure research leave following a successful third-year review.

Finally, successful candidates will demonstrate their interest in contributing to campus governance and the life of the broader Denison community. Individuals with a demonstrated interest in community outreach are especially desirable.

Denison University is an increasingly diverse, highly selective, residential liberal arts college enrolling approximately 2,300 students from across the nation and around the world. We are located thirty miles from Columbus, Ohio, the state capital, which hosts a wide range of cultural and artistic opportunities.

Qualifications

• Proven knowledge of one or several programming languages (R and Python strongly desired)

• Proven experience and ability to conduct research in applied statistics

• Some experience and demonstrated ability to effectively teach novice to advanced level undergraduate courses

• Very good communication, organization, and team collaboration skills

• Ability to contribute in meaningful ways to the university’s continuing commitment to diversity and inclusive pedagogy

• Collaboration with interdisciplinary subject-matter researchers and students

• PhD defense completed no later than August 2020

• PhD in Statistics, Applied Statistics, Data Science, or a closely related field preferred, with strong research or work experience in applied statistics

To apply, please go to https://employment.denison.edu and submit

• a cover letter speaking to the areas mentioned above

• a curriculum vita

• transcripts of graduate work (unofficial acceptable for applications)
• a statement on your teaching philosophy, experience and effectiveness, including how you will engage with and foster diversity on campus
• evidence of effective teaching, including teaching materials and evaluations
• a statement on your current and future research program
• a recent article-length example of your data analytics related research
• 4 references, of which at least 2 must address teaching

We will begin reviewing applications on October 7, 2019 and actively continue to consider applications until the position is filled.

To achieve our mission as a liberal arts college, we continually strive to foster a diverse campus community, which recognizes the value of all persons regardless of religion, race, ethnicity, gender, color, gender identity and or expression, sexual orientation, family configuration, disability, socioeconomic status, religion, national origin, age, or military status. For additional information and resources about diversity at Denison please see our Diversity Guide at http://denison.edu/forms/diversity-guide. Denison University is an Affirmative Action, Equal Opportunity Employer.