

## Postdoctoral researcher, Statistics and Data Science

**Note: This is one of the two concurrent tenure-track assistant professor openings with different preferences.**

### Unleash Your Potential with Us

As a next-generation public research institution, we are an inclusive community of thinkers, doers, creators, innovators, healers, and leaders striving to shape the future and solve the world's most challenging problems. No matter what your role is, when you join Knight Nation, you become an integral part of our mission to become a university for the future. You'll be met with opportunities to connect and collaborate with uniquely talented faculty, staff, and students across 13 colleges and multiple campuses and regional locations. That means greater challenges to tackle, more meaningful opportunities to grow, and rewarding experiences that go beyond a paycheck.

### The Opportunity

The Department of Statistics and Data Science at the University of Central Florida (UCF) invites applications for a one-year postdoctoral researcher position anticipated to begin immediately. The position may be renewed depending on the availability of funds.

The selected candidate will teach three courses per academic year based on the unit's current workload policy. The selected candidate will have demonstrated ability to conduct high-quality research in statistics, data science, or a related field. Additionally, we are especially interested in an individual who can contribute through their research, teaching and service to the excellence of our academic community and foster an environment in which faculty, staff, and students from a variety of backgrounds, cultures and personal experiences are welcomed and can thrive.

The Department of Statistics and Data Science at UCF is dedicated to high-caliber research at the intersection of statistics, machine learning, data mining, computer science, and applied mathematics and to developing the statistical and analytical abilities of students for success in an increasingly data-driven world. The department currently offers a B.S. in Statistics, a B.S. in Actuarial Science, a joint B.S. in Data Science, and M.S. in Statistics and Data Science with a track in Data Science, and a Ph.D. in Big Data Analytics. The Ph.D. program in Big Data Analytics is the first of its kind in Florida, and one of only a few programs globally. For more information, visit <http://sciences.ucf.edu/statistics/>.

The College of Sciences (COS) houses most of the university's natural, computational, and social sciences in eight departments, two schools, and several centers. The college's programs play a key role in advancing UCF as a national research university that is determined to help students from all backgrounds achieve success. For more information, visit <https://sciences.ucf.edu/>.

UCF, located in Orlando, Florida, is classified as a Very High Research Activity university by the Carnegie Foundation. With a diverse student body of more than 68,000 students, UCF is one of the largest.

universities in the country. The university offers more than 200-degree programs. UCF is designated a Hispanic Serving Institution. For more information, visit <http://www.ucf.edu>.

### **Minimum Qualifications:**

A doctorate in Statistics or a closely related field from an accredited institution by time of hire is required. All but dissertation (ABD) will be considered as long as the doctorate is completed by the date of hire.

### **Preferred Qualifications:**

Preference will be given to candidates who have made outstanding contributions in the areas of data science, big data analytics, Bayesian inferences and computation, spatial and temporal statistical modeling, high-dimensional data analysis, machine learning, and/or deep learning and demonstrated ability to teach courses in these areas.

### **Additional Application Materials Required:**

UCF requires all applications and supporting documents be submitted electronically through the Human Resources employment opportunities website, <https://www.ucf.edu/jobs/>. In addition to the online application, candidates should upload: a letter of interest, a teaching philosophy statement, a research interest statement, a curriculum vitae (CV), and the contact information for three professional references.

The selected candidate will be required to submit official transcripts (and, as applicable, U.S. degree equivalency evaluations) documenting the conferral of their qualifying academic credentials.

Applicants will not be considered if all the above materials are not received. You are responsible for ensuring all materials have been uploaded correctly.

Review of applications will begin immediately and will continue until the position is filled.

Questions regarding the positions should be directed to Shunpu Zhang, at [shunpu.zhang@ucf.edu](mailto:shunpu.zhang@ucf.edu).

### **Special Instructions to the Applicants:**

N/A

### **Job Close Date:**

Open until filled.

### **Are Benefits Important to You?**

Working at UCF has its perks! In addition to helping drive change and having a positive impact by supporting our students, staff, and faculty, UCF offers:

- Benefit packages including medical, dental, vision, life insurance, healthcare flexible spending accounts, and an Employee Assistance Program.
- Paid time off, including annual and sick leave and paid holidays.
- Retirement savings options.
- Employee discounts, including tickets to many Orlando area attractions.
- Education assistance.
- Flexible work environment.

And more...For more benefits information, go to 'Prospective Employees' on the UCF Human Resources website (<https://hr.ucf.edu/>).

### Who Are We?

Founded in 1963 to fuel the region's talent pipeline and support the growing U.S. space program, UCF is built to make a better future for our students and society. It's one of the reasons *U.S. News & World Report* ranks UCF among the nation's top 20 most innovative colleges, while *Forbes*, *Kiplinger*, and *The Princeton Review* rank us a best-value university. UCF is one of 14 universities nationwide designated as both a Hispanic-Serving Institution and a Research 1 university. With 13 colleges, including a fully accredited College of Medicine, UCF offers more than 240-degree programs between its main campus, downtown campus, hospitality campus, academic health sciences campus, and 11 UCF Connect centers located throughout the region. In addition, UCF extends its reach to communities in and beyond Central Florida by offering complete online programs leading to bachelor's degrees, master's degrees, Ph.D.'s., certificates, and more.

**The University of Central Florida is proud to be a smoke-free campus and an E-Verify employer. Unless explicitly stated on the job posting, it is UCF's expectation that an employee of UCF will reside in Florida as of the date the employment begins.**

### Additional Requirements related to Research Positions

Pursuant to Florida State Statute 1010.35, prior to offering employment to certain individuals in research-related positions, UCF is required to conduct additional screening. Applicants subject to additional screening include any citizen of a foreign country who is not a permanent resident of the U.S., or who is a citizen or permanent resident but is affiliated with or has had at least 1 year of higher education, employment, or training in China, Cuba, Iran, Russia, North Korea, Syria, or Venezuela.

The additional screening requirements only apply to employment in research-related positions, including, but not limited to faculty positions (including employed visiting positions), graduate positions, individuals compensated by research grants or contract funds, postdoctoral scholar positions, and undergraduate positions.