



# Biocomplexity Post-Doctoral Research Associate

The Social & Decision Analytics Division (SDAD) is seeking applications for multiple postdoctoral associates in statistics and social and behavioral sciences. SDAD is a leading laboratory in the Biocomplexity Institute & Initiative (BII) at the University of Virginia. BII performs world-class informatics research in life sciences, social sciences, and human health by integrating theory, modeling and simulation with computational and experimental science in a transdisciplinary, team science research environment.

SDAD combines expertise in statistics and social and behavioral sciences to develop evidence-based research and quantitative methods to inform policy decision-making and evaluation. The researchers at SDAD span many disciplines including statistics, economics, computational social science, psychology, political science, policy, and program evaluation, and data science. SDAD methods integrate statistical learning, network science, cognitive science, behavioral economics, game theory, crowdsourcing, and machine learning.

SDAD researchers address complex social problems by leveraging the diversity of data flows available today including administrative and government records, surveys, social media, and sensors. Through team collaboration, the postdoctoral candidate is expected to develop the capacity to discover, repurpose and redirect these data flows to solve critical social problems. Computational complexity is at the heart of SDAD research and SDAD leverages all the research capability of BII, along with the High Performance Computing infrastructure.

The position will be offered at the rank of postdoctoral associate and will be located in BII's location in Arlington, VA. Position reports to Sallie Keller, Director of SDAD and Professor of Public Health Sciences. The anticipated start date for the position is May of 2019.

#### Required Qualifications:

- Applicants must be on track to receive a PhD in statistics, social and behavioral sciences, digital humanities or in a very closely related field by May of 2019 and must hold a PhD at the time of appointment.
- Willingness to work in a team science environment.
- Experience with advanced approaches to statistics and data-driven model development.
- Experience with statistical software systems such as R, programming, and databases.
- Excellent communication skills, both oral and written, demonstrated through the development of publications and delivery of presentations.
- Be motivated, enthusiastic and self-driven.
- Ability to excel in a highly collaborative team science environment.

#### Preference will be given to those applicants with:

- Experience using diverse sources of data, both traditional ones such as surveys, and non-traditional ones, such as administrative data and social media.

To apply for this position, please go to [jobs.virginia.edu/applicants/Central?quickFind=86114](https://jobs.virginia.edu/applicants/Central?quickFind=86114). Please attach a CV, Cover Letter detailing your relevant experience and interest in the position and summary of your coursework. Please have three confidential letters of reference sent to this email address: [SDADJobs@virginia.edu](mailto:SDADJobs@virginia.edu). Review of applications will begin on January 10, 2019 and will continue until the position is filled.

To learn more about SDAD and BII, please visit us at [biocomplexity.virginia.edu](http://biocomplexity.virginia.edu).

For questions about the application process, please contact Savanna Galambos, Faculty Search Advisor, at [skh7b@virginia.edu](mailto:skh7b@virginia.edu).