

NATIONAL INSTITUTE OF STATISTICAL SCIENCES
NEW POSITIONS OPEN AT NISS
POSTDOCTORAL FELLOW / EARLY CAREER RESEARCHER POSITIONS

The National Institute of Statistical Sciences (NISS) is a research institute focused on bringing advances in statistics to high priority projects with national / international impact. Early career researchers at NISS have the opportunity to work with researcher leaders to develop innovative statistical solutions to high impact problems.

MULTIPLE POSITIONS ANTICIPATED

NISS projects develop and implement new statistical methodology for high priority federal agency problems and analyses of massive datasets. Appointments will be for one year with expectation of renewal. Positions will remain open until filled.

RESEARCH CHALLENGES

Develop, implement and test innovative statistical methodologies.

Apply statistical thinking and technology to high-profile social, economic and survey data.

Conduct research to meet one or more of five objectives:

- (1) Innovative methodology for modeling and estimation for survey data.
- (2) Uncertainty quantification and computation, often for combining different sources of uncertainty.
- (3) Design and analysis of simulations and experiments to validate new methodology and models.
- (4) New methodology for analysis and interpretation of Big Data.
- (5) Complex analysis of federal Big Data to answer specific substantive questions.

STATISTICAL EXPERTISE

Preferred Areas: Survey sampling, Small area statistics, Bayesian inference, Statistical computation, Statistical modeling, Foundations of data science, Image analysis, Space-time modeling, High-dimensional data analysis.

Computing Skills: SAS, R; Other proficiencies depending on specific project (Python, Spark, SQL, Graphics, etc.).

APPLICANTS

Education: Doctorate in statistics, data science or related discipline expected or received within the last 5 years.

Experience or Interest: Demonstrated ability to apply statistical theory/methods in substantive area context.

Research: Demonstrated ability with professional publications and/or presentations.

Other Requirements: Commitment to collaborative research, excellent verbal and written communication skills.

The National Institute of Statistical Sciences is an Equal Opportunity/Affirmative Action Employer

POSITION

Location: Washington, DC

Salary: Dependent upon qualifications and experience. Recent PhD recipients could expect \$85,000 per year.

Dates: Appointment starting any time after 1 October 2019; application pool open until positions are filled.

Expectations: Active participation in research with publications in top statistical and domain science journals, also presentations at national professional conferences.

APPLICATION – SUBMIT VIA EMAIL TO positions@niss.org.

Letter of Interest: Full contact information, year graduated, concise response to research emphases above.

CV: Educational background (including relevant coursework), research experience, publications.

References: Contact information for three references (no letters please).