



DARTMOUTH COLLEGE

Postdoctoral Position in Statistics and Machine Learning

The Department of Mathematics at Dartmouth College invites applications for a full-time residential postdoctoral appointment with start date July 1, 2026, although earlier start dates are possible. The postdoctoral fellow will join a research team led by Assistant Professor Nianqiao (Phyllis) Ju. Dr. Ju's lab focuses on research in statistical data privacy, computational statistics, and statistical machine learning. A main goal of this project is to develop scalable and privacy-preserving Bayesian computational algorithms. The position is intended for two to three years, with an initial one-year appointment renewable contingent upon performance and subject to budgetary approval.

Eligibility requires completion of the Ph.D. in statistics, data science, mathematical sciences, computer science, or a closely related field before the start date. We seek qualified candidates with strong analytical, computational, and communication skills. Applicants should have a solid background in mathematical statistics and statistical machine learning. Programming expertise in R/Python/MATLAB is essential, and some knowledge of C/C++ will be preferred. Candidates with demonstrated accomplishment in academic research, as can be judged from published papers or preprints, will be given priority. Successful applicants are expected to be no more than 3 years past their doctorate.

The post-doctoral appointee may have the opportunity to teach one or two ten-week courses; contingent on course availability in the Mathematics Department and teaching qualifications. Salary will be adjusted accordingly and set by the Associate Dean for Sciences.

Located in Hanover, New Hampshire, Dartmouth College is an Ivy League university that offers students, postdoctoral scholars, and faculty a close-knit academic community with global reach. Part of the School of Arts and Sciences, the Department of Mathematics has 24 tenured and tenure-track faculty members, a strong PhD program, and outstanding undergraduate majors. Members of the department have collaborative connections across campus. In addition, postdoctoral scholars and graduate students are supported by the [Guarini School for Graduate and Advanced Studies](#), including their [community initiatives](#).

[Dartmouth](#) is committed to academic excellence and encourages the open exchange of ideas within a culture of mutual respect. Dartmouth welcomes people with different backgrounds, life experiences, and perspectives and believes that diversity in all its forms enhances academic excellence. In addition, the Mathematics Department values applicants who have a demonstrated ability to contribute to Dartmouth's undergraduate research initiatives in

STEM, such as the [WISP Research Internship](#), [E. E. Just STEM Scholars Program](#), and Academic Summer Undergraduate Research Experience ([ASURE](#)). Applicants should address in their materials how their research, teaching, service, and/or life experiences prepare them to serve Dartmouth's commitment to academic excellence in an environment that is welcoming to all.

Applicants should submit the following via MathJobs:

1. Cover letter,
2. Curriculum vitae,
3. Statement of research experience, plans and interests,
4. Statement of pedagogical experience and interests,
5. At least three letters of recommendation. At least one reference should address the applicant's ability as a teacher and, if the applicant's native language is not English, the applicant's ability to use English in the classroom. At least two references should address the applicant's research ability.

To initiate an application, go to <http://www.mathjobs.org> — Position ID# PDSML #26966 and fill out the required application form online. The position will remain open until filled; applications completed by December 1, 2025, will receive first consideration. General inquiries can be sent to Amy Potter, Amy.I.Potter@dartmouth.edu, Department of Mathematics, Dartmouth College, 6188 Kemeny Hall, Hanover, New Hampshire 03755-3551. Specific questions on the selection process can be referred to Professor Nianqiao (Phyllis) Ju (nianqiao.ju@dartmouth.edu).

A complete list of all current openings in Mathematics can be found on our website: <http://www.math.dartmouth.edu/activities/recruiting/>. For all openings at Dartmouth, the [Dartmouth Interfolio Job Board](#), the [Office of the Provost](#), and the [Office of Human Resources](#).

Equal Employment Opportunity Statement

Dartmouth College is an equal opportunity employer under federal law. We prohibit discrimination on the basis of race, color, religion, sex, age, national origin, sexual orientation, gender identity or expression, disability, veteran status, marital status, or any other legally protected status. Applications are welcome from all.

Dartmouth is committed to accessibility for its community. If you are an applicant with a disability and would like to request a reasonable accommodation to aid in the job application and/or interview process, please email ADA.Institutional.Diversity.and.Equity@Dartmouth.edu. In the subject line, please state "application accommodations" and include the job number or title. Someone from the ADA/504 Office will be in touch within 2 business days.

For additional employment opportunities at Dartmouth College, please visit the [Dartmouth Interfolio Job Board](#), the [Office of the Provost](#), and the [Office of Human Resources](#).

Offers of employment are contingent upon consent to a pre-employment background check with results acceptable under Dartmouth [policy](#). Please visit the Dartmouth [policy portal](#) for faculty handbooks and details of other Dartmouth [policies](#).