



Pre-Doctoral Research Fellow – Data Innovation Lab
Abhishek Nagaraj (UC Berkeley) and Matteo Tranchero (Penn)

Job description: Abhishek Nagaraj, Associate Professor at UC Berkeley’s Haas School of Business, and Matteo Tranchero, Assistant Professor at the Wharton School of the University of Pennsylvania are accepting applications for **one** pre-doctoral research fellow to begin as soon as possible in Summer 2024. The position will last for one year, until July 2025, with an opportunity for extension depending on mutual agreement. Fellows are active participants in the Berkeley and Penn research communities and will have the opportunity to attend graduate classes. Professor Nagaraj studies the role of new forms of data in shaping market outcomes, especially in the context of innovation and entrepreneurship, and directs the Data Innovation Lab. Professor Tranchero investigates how big data are changing strategic decision-making and the innovation process, with an emphasis on the pharmaceutical industry, and co-directs the Data Innovation Lab. Most research will be conducted with large-scale observational data using applied microeconomic techniques (e.g. diff-in-diffs, RDs, etc), as well as applied machine learning tools. More information on his research can be found at <https://abhishekn.com/> and <https://www.matteotranchero.com/>.

Qualifications: Candidates must hold a bachelor’s degree or equivalent, and should have a long-term interest in pursuing research related to Economics and/or Business. Prior background in these areas is preferred but not strictly necessary. Candidates with a strong quantitative background (e.g. CS or Math majors) interested in gaining exposure to these areas of research are also very welcome to apply. This position is ideal for candidates looking to develop their research skills in preparation for applying to PhD programs in Economics, Business, or other related fields. Preference will be given to detail-oriented applicants with experience performing regression analysis in Stata, Python, or R. Past students have gone on to PhD programs in Economics, Business, Statistics, and Computer Science at Harvard, Cornell, MIT, London Business School, and other peer institutions.

Compensation: The pre-doctoral research fellow position will be in-person, physically based at the University of California, Berkeley or at the University of Pennsylvania, in Philadelphia. Salary will be approximately \$60,000/year and includes a full benefits package including generous medical insurance. Fellows will also receive mentorship on graduate school applications, their own research agenda, and the opportunity to co-author publications. Fellows will also have the opportunity to enroll in Berkeley or Penn’s graduate classes and seminars. The position is open to international applicants and we are able to sponsor a work visa.

How to apply: Please create a single PDF with: 1) A short cover letter describing your interest in this position, your familiarity with programming languages (e.g. Stata, R, Python), your prior experience as a research assistant and/or with independent research projects, whether or not you need visa sponsorship, your preferred timeline, and names and e-mail addresses of two



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references (letters not required yet); 2) A current CV; 3) An unofficial transcript of your undergraduate coursework; and 4) A writing sample (e.g. course paper or a thesis). Please submit this single PDF by email to data-innovation-lab@berkeley.edu with the subject line "Predoctoral Fellow Application". Applications will be considered on a rolling basis. Short-listed applicants might be asked to complete a technical exercise and/or be called for an interview. Applicants may also be asked to submit recommendation letters at that point.

Contact: Any questions regarding this opportunity should be addressed to data-innovation-lab@berkeley.edu