



The University of Chicago
Booth School of Business
5807 South Woodlawn Avenue
Chicago, Illinois 60637
Stephen.Lamb@chicagobooth.edu
Sendhil Mullainathan
Ziad Obermeyer

RESEARCH ASSISTANT

Professors Sendhil Mullainathan (Chicago Booth) and Ziad Obermeyer (UC Berkeley School of Public Health) are looking for full-time research assistants for a period of two years. The preferred start date is July 1, 2020, although we are willing to accommodate an earlier or later start. Applications will be evaluated on a rolling basis.

The ideal candidate will be inquisitive, resourceful, and analytical, with an entrepreneurial spirit. Applicants should have (i) a strong quantitative background, (ii) strong computer programming skills, (iii) the ability to work independently to solve problems, and (iv) a long-term interest in pursuing a PhD in Economics, Statistics, Computer Science, or a related field; or an MD with an orientation towards quantitative clinical or health policy research.

We believe machine learning, combined with rigorous statistics and behavioral science, gives us a fresh new way to approach critical questions in health and health policy. For example, one of our projects creates a machine learning algorithm to identify patients at high risk for heart attack. We can look at physicians' decisions through this lens — 'what would the algorithm have done with this same patient, using the same data the physician had available to her?' — to identify cognitive errors, and estimate just how much we could improve testing decisions by augmenting physicians with algorithms. We can also use these tools to make fundamental new discoveries in health, not just health care: by mining medical data (like ECG waveforms, or x-rays) for signals too complex or subtle for the human eye to see, we can find new drivers of illness and uncover new treatments.

We welcome candidates with strong technical backgrounds who are looking for more exposure to the role data science has to play in healthcare.

If interested, please fill out this form at <https://forms.gle/cNr7GRQo8AZ4r3aw6>. Your application is not complete until submission of the form. You must also fill out a formal application at https://uchicago.wd5.myworkdayjobs.com/External/job/Hyde-Park-Campus/Research-Professional_JR08265-1. Please submit all ancillary materials (resume, cover letter, postsecondary transcripts (unofficial are fine)) in the Resume/CV field. You may upload multiple files.

<https://labsysmed.org/>

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