



School of
Public Health
BROWN UNIVERSITY

DEPARTMENT OF BIOSTATISTICS

JOSEPH W HOGAN, ScD

Carole and Lawrence Sirovich Professor of Public Health
Professor and Chair of Biostatistics

February 21, 2024

Dear Colleague:

I am writing to request your assistance in the recruitment of a Postdoctoral Research Associate at the Brown University School of Public Health. The Department of Biostatistics is recruiting a postdoctoral research associate with interest and expertise in conducting research at the interface of causal inference and machine learning, with emphasis on global health and population health. The two-year position will involve conducting research on development and application of statistical methodology to large-scale observational data that includes electronic health records and statewide surveillance data. The program of research will be conducted in collaboration with investigators at Brown University, Moi University in Kenya (through the AMPATH Consortium), and Rhode Island Department of Health.

Current research projects include developing methods for clinical decision support systems for a large HIV care program in Kenya, development and application of novel methods of causal inference for complex trial designs and developing models for infectious disease surveillance in Rhode Island. The postdoctoral associate will be primarily mentored by Professor Joseph Hogan.

We seek the following qualifications:

- PhD degree or equivalent in biostatistics, statistics, machine learning, computer science, or related quantitative field.
- Considerable knowledge and experience in statistical computing.
- Candidates with experience and interest in methods for data-driven decision making, methods for electronic health record data, and interest in conducting research at the intersection of data science and global health are especially encouraged to apply.
- Significant research experience as evidenced by peer-reviewed publications.
- Excellent oral and written and communication skills are required.

The preferred start date for the position is July 1, 2024 or sooner; however, an earlier start date can be negotiated. Review of applications will begin immediately and will continue until the position is filled or the search is closed. The Department of Biostatistics believes that diversity, equity, and inclusion are essential to achieving our mission of advancing scientific knowledge and improving human health. We are committed to creating a welcoming and supportive environment that values

and respects the diverse backgrounds, experiences, and perspectives of all members of our community. We recognize that diversity encompasses a wide range of characteristics and believe that a diverse and inclusive community fosters creativity, innovation, and excellence in research. The Department is dedicated to recruiting and retaining talented individuals from underrepresented groups. Candidates should apply with a cover letter (summarizing research experience, qualifications, career goals, as well as addressing the reasons for their interest in the position and their commitment to diversity, equity and inclusion, and/or how they intend to show this commitment in future work through scholarship, teaching, mentoring, service and community engagement), curriculum vitae, sample publication or equivalent, and the names and contact information for 3 references. We value the different ways this might be demonstrated including in scholarship, teaching, mentoring, service and community engagement. Candidates should apply online at: <http://apply.interfolio.com/141561>. Please indicate in your letter of application the search number (PH-327).

Sincerely yours,

A handwritten signature in black ink, appearing to read "Joe Hogan", with a stylized flourish at the end.

Joseph W Hogan, ScD