University of Pennsylvania, Wharton Department of Statistics

Postdoctoral Researcher in Energy Analytics, Causal Inference, and Machine Learning

Description

The Department of Statistics of the Wharton School, University of Pennsylvania, is seeking candidates for a Postdoctoral Researcher position under the supervision of Professors Edgar Dobriban (Statistics), Eric J. Tchetgen Tchetgen (Statistics), and Steven O. Kimbrough (OIDD). The position is designed to be a career-building step for new scholars. The primary focus is for the scholar to develop her/his research program. The earliest start would be October 1, 2020, and the position will continue for two years. A competitive stipend will be provided. This position is contingent upon funding. The focus of the research will be in the development of causal inference and machine learning, with applications to energy and public health.

The work will be part of the newly established Wharton Energy Analytics Lab, and is expected to have a high visibility. Successful candidates will have opportunities to submit papers to top statistics, operations research, and energy journals, as well as leading machine learning conferences. The candidates will also present their research at conferences in these fields.

Qualifications

Candidates should show outstanding capacity for research in the development of statistical, causal inference, machine learning, and operations research methods, and/or in their application in energy analytics. The position will involve innovative research in the development and application of data analytics methods—statistical and machine learning, causal inference, optimization, and market design—to renewable energy. Therefore, expertise on some of these is required, and willingness to learn the rest is expected. Given the interdisciplinary nature of the research, we encourage applications from individuals with diverse skills, including computational data analytics, statistical modelling, etc.

Applicants must have a Ph.D. in statistics, operations research, energy systems, electrical engineering, applied math, computer science or a related field from an accredited institution.

Application Instructions

Please visit our website for a link to submit a CV and other relevant materials: https://statistics.wharton.upenn.edu/recruiting/postdoctoral-researcher-in-energy-analytics-causal-inference-and-machine-learning/

For full consideration, candidates are encouraged to have all required application documents submitted by September 1, 2020. Any questions about the position can be sent to Professor Dobriban at dobriban@wharton.upenn.edu

The University of Pennsylvania is an EOE. Minorities / Women / Individuals with disabilities / Protected veterans are encouraged to apply.