

## **Rhode Island Innovative Policy Lab (RIIPL): Openings March 2017**

The Rhode Island Innovative Policy Lab at Brown University is a collaboration between Brown University and the Office of the Governor in Rhode Island to develop evidenced-based policy using data and state-of-the-art research. RIIPL provides a unique opportunity to use data science and economics to impact society through improved public policy. Team members work closely with faculty affiliates and senior data scientists to combine economics, data and computer science around big data resources. They develop and apply their skills and talents to tackle some of the most pressing social problems from criminal justice, to education, to healthcare and environmental policy.

We are seeking candidates for the following positions:

### **Junior Fellow in Data Science & Junior Fellow in Economics:**

We are looking for highly skilled, motivated individuals to work as junior economists and data scientists. Research projects apply data science, data engineering and econometric skills to policy questions which incorporate Behavioral Economics, Public Economics, Education, Health and Industrial Organization. Responsibilities include:

- Cleaning and analyzing new, extensive administrative data sets
- Assisting with designing surveys and randomized controlled trials
- Conducting regression analysis and estimation of econometric models
- Implementing machine learning, predictive analytics and text mining techniques
- Visualization and custom software design
- Assisting with technical writing and documentation of lab methodologies

Coming from an economics-focused background, this position is ideal for those who are seeking research experience before going on to PhD programs in Economics, Public Policy, or related quantitative social science fields. For those coming from a Computer Science background, this position is ideal for those looking to be involved in a start-up environment with the benefits of an academic setting, providing an opportunity to apply and develop technical skills to improve equity of opportunity in society. It would also be a great fit for those interested in pursuing an advanced degree in Computer Science with a focus in quantitative social science or marketing research. It is an opportunity to work closely with senior economists and data scientists on innovative research projects to learn the big-data research process from start to finish.

**Required Experience:** Candidates must have strong analytic and quantitative skills, prior experience working with large data sets and excellent programming skills in Python, R. Proficiency in SQL, Stata, SAS, Matlab is a plus. Candidates must have strong organizational and communication skills, and the ability to work well independently and collaboratively in a team. Candidates should have at least a bachelor's degree in computer science, economics, applied mathematics, or statistics, including some training in microeconomics, econometrics, statistics, and advanced mathematics. Candidates must have excellent grades from a top university.

This is a 2 year position with the possibility of continuation dependent on continued grant funding. The position includes Brown health benefits as well as the ability to take a course a semester towards continued skill development and/or an advanced graduate degree.

To apply, please submit a cover letter, cv, and official or unofficial transcript(s) to [connect@riipl.org](mailto:connect@riipl.org) with “Fellow in Economics & Data Science” in the subject line. In addition, please complete the information requested in this [google form](#).