

## Position Description: NIST PREP Fellow – Data Analyst Position

The Applied Economics Office (AEO) of the Engineering Laboratory at the National Institute of Standards of Technology (NIST) anticipates the need for a Postdoctoral researcher in engineering, economics, or a related field to work on data analysis and modeling for the National Windstorm Impact Reduction Program (NWIRP) project “Recovery of Business and Supply Chains” under NIST’s Hurricane Maria Program (<https://www.nist.gov/disaster-failure-studies/hurricane-maria>). The position would be supported through the NIST Professional Research Experience Program (PREP): (<https://www.nist.gov/iaao/academic-affairs-office/nist-professional-researchexperience-program-prep>).

Proposed start date: Negotiable  
Proposed duration: 1 year with potential for extension  
Position Location: Telework

### **General Duties and Responsibilities**

Responsibilities include, but are not limited to:

- Clean data
- Analyze data
  - Regression analysis
  - Agent-based modeling
- Background literature review
- Qualitative data coding

### **Requirements**

- Degree in economics, engineering, computer science, or related field
- Interest in disaster-related research
- R, STATA, SPSS, or other quantitative data platform
- Logical thinking and Problem solving
- Patience and Attention to detail
- Excellent writing and documentation are a must
- Google Analytics, GIS capabilities, and data visualization experience a plus
- NViVO, ATLAS.ti, or other qualitative data platform experience a plus
- Spanish language ability is a plus

### **About AEO and NIST’s Engineering Laboratory**

The AEO (Applied Economics Office), a part of the Engineering Laboratory (EL) at NIST, provides economic products and services through research and consulting to industry and government agencies in support of productivity enhancement, economic growth, and international competitiveness, with a focus on improving the life-cycle quality and economy of constructed facilities and manufacturing processes that support social and economic functions. The AEO is integrated within EL’s major research thrusts: sustainability, energy conservation, community resilience planning, manufacturing, fire, smart grid, building construction, and safety.

The AEO delivers high quality research and tool development that informs and assists stakeholders in their decision-making processes.

Interested parties should email Jennifer Helgeson at [Jennifer.helgeson@nist.gov](mailto:Jennifer.helgeson@nist.gov) with “AEO PREP Fellow” in the subject line with a recent curriculum vitae (CV) or resume.