

Position: Econometrics Researcher

Four Twenty Seven, an award-winning climate risk analytics and market intelligence firm, is looking for a researcher well-versed in econometrics to support and co-author a publication related to the impacts of weather on the economy. The position is targeted for a graduate-level or post-doctoral researcher to assist with research design, data preparation, and regression modeling for a study aiming to infer causal relationships between weather outcomes and economic output. Pending completion of the quantitative analysis, the study is expected to be published alongside other academic research in a book about extreme events and climate change.

Background & Responsibilities

The proposed study seeks to identify relationships between measurable weather variables and economic output. Under the proposed research design, the study will employ a fixed effects regression model to study how variations in weather disproportionately affect different sectors or industries of the United States economy. The study has been selected as a chapter in an upcoming book on extreme events and climate change to be published by the American Geophysical Union and Wiley in 2018.

The successful candidate will begin with a review of the pertinent literature. Following the literature review, the researcher will be responsible for preparation of economic data and coding of the statistical model. Assistance with weather and climate data will be provided by Four Twenty Seven analysts. A preliminary research design has already been selected for the project, but the researcher will have the opportunity to provide feedback on the design and implementation of the work. The researcher will also contribute to the text of the publication, particularly surrounding the data and the statistical model.

Key Tasks

- Read and summarize existing academic and grey literature on the topic.
- Collect and curate economic data from Bureau of Economic Analysis and other potential data sources.
- Contribute to the econometric research design and code statistical software to run the regression model.
- Contribute to writing the text of the publication.

Qualifications

- Completion of Master's-level education in economics, including relevant sub-disciplines.
- Experience with at least one statistical analysis software package (Stata, Python, MATLAB, R, etc.).
- Coursework and experience with research methods in econometrics and causal inference.
- Detail-oriented and able to self-manage to meet deadlines.
- Some background knowledge of climate change and environmental sciences.

About Four Twenty Seven, Inc.

Four Twenty Seven (www.427mt.com) is an award-winning, climate risk analytics and market intelligence firm that brings climate intelligence to business decision-makers. Four Twenty Seven helps business leaders and investors understand how climate change will impact their assets, price climate change risk in economic decisions, and invest in resilience. Our team is comprised of highly qualified professionals with backgrounds in

climate science, economics, finance, natural resources management, policy analysis, public health, and international development.

Four Twenty Seven was a finalist for the prestigious Cartier Women's Initiative Award (2014), earned Climate Change Business Journal Awards for Climate Risk Management and Adaptation (2014 and 2015), took first prize in the ESRI Human Health and Climate Change Challenge 2015, and, won the Verdantix Environment, Health and Safety Information Management Award (2016). The company was founded in 2012 and is headquartered in Berkeley, California.

To apply for this position

To accommodate current post-doctoral fellows and PhD students, the position will be structured as a part-time position of approximately 10 hours per week for 16 weeks coinciding with the Fall 2017 academic semester. Depending on the scheduling flexibility of the applicant, work hours can be shifted such that the work is completed earlier. The bulk of the work can be done remotely, but the candidate is expected to meet with collaborators from time to time at our office in Berkeley, CA. Hourly rates will be set to be competitive with academic research assistant positions. We offer a flexible work environment with a team of highly motivated individuals and strong team spirit.

Target start date: September 2017. Applications will be considered on a rolling basis until the position is filled.

To apply, send your resume and cover letter to careers@427mt.com with the subject line "Econometrics Researcher application."

Four Twenty Seven is an equal opportunity employer with a global culture that embraces diversity. All qualified applicants will receive consideration for employment and will not be unfairly discriminated against on any arbitrary ground including race, colour, sex, religion, national origin, veteran status, disability, gender identity, sexual orientation, or other protected category.

Note that we are unfortunately unable to sponsor for work visa at this time.