

Job Description: Climate Data Analyst

Four Twenty Seven is currently seeking a Climate Data Analyst with expertise in translating applied climate change science for a wide range of stakeholders. This role will be situated on the Climate Analytics Team and report directly to the Director of Analytics. The Climate Analytics Team conducts research and analysis on physical climate risk, working with large datasets, conducting statistical analysis, and developing new climate risk indices and products for Four Twenty Seven and its clients. The analyst will work closely with the literature and data related to climate, weather and impacts on society. Analysts must be able to ingest and evaluate complex climate data, catalog the sources of climate data used in research, and run advanced statistical analysis.

This role is a full-time position based in Berkeley, CA.

Responsibilities

- Curate climate data, extract, clean and process datasets
- Perform stochastic modeling of climate and weather data
- Evaluate the limitations of existing data sources and test methods of extreme weather modeling
- Contribute to sector- and site-specific climate risk analysis and consulting projects as needed
- Contribute to white papers and publications from concept to delivery

Required Skills

- Master's degree in atmospheric or physical sciences, meteorology, hydrology, environmental science or a related field
- Passionate about climate science, climate adaptation and risk modeling
- 3+ years of experience in climate data analysis and research, either in industry or academia
- Proficiency with scientific computing in an interpreted language for data analysis such as Python
- Familiarity working with GIS platforms (e.g. QGIS, ArcDesktop, ArcOnline)
- Robust understanding of climate change science and knowledge of Bayesian statistical methods
- Excellent written and oral communication skills, including the ability to effectively communicate complex, technical issues to non-expert audiences
- Exceptional organizational skills and attention to detail
- Self-starter, autonomous and responsible – must be able to meet deadlines
- Comfortable in a fast-paced environment and able to juggle multiple deadlines

About Four Twenty Seven

Four Twenty Seven (427mt.com), an affiliate of Moody's, is a leading publisher and provider of data, market intelligence and analysis related to physical climate and environmental risks. We tackle physical risk head on with analytics that identify the exposure of any location in the world to climate change hazards such as floods, sea level rise, hurricanes & typhoons, heat stress and water stress, which pose an immediate threat to investment and loan portfolios.

Four Twenty Seven provides [on-demand analytics and subscription data products](#) to access this unique offering. Our physical climate risk application allows users to explore the climate risk drivers for a single asset or a portfolio of assets, scoring thousands of locations in minutes. We also offer forward-looking climate risk scores for equities, based on an ever-growing database that now includes over one million corporate sites and covers over 2,000 publicly-traded companies globally. Additional datasets include climate risk scores for Real Estate Investment Trusts, sovereigns and U.S. municipalities.

Four Twenty Seven has won multiple awards for its innovative work on climate risk and resilience and our work has been featured by Bloomberg, the Financial Times and the New York Times. Four Twenty Seven was founded in 2012 and is headquartered in Berkeley, California with offices in Washington, DC, Paris, France and Tokyo, Japan, local representatives in London and Sydney.

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 grounds including race, color, sex, religion, national origin, veteran status, disability, gender identity, sexual orientation or other protected category.

To apply

Send your resume, cover letter, and a writing sample (or Github) to careers@427mt.com with the subject line "Climate Data Analyst 2020".

Please note that we are unable to sponsor H1-B visas at this time, and candidates must have a valid work visa or be a U.S. citizen / permanent resident to be considered for employment.