# Risk Modeler

Boston, MA, USA
Full-time
Verisk Business: Extreme Event Solutions

## Company Description

We help the world see new possibilities and inspire change for better tomorrows. Our analytic solutions bridge content, data, and analytics to help business, people, and society become stronger, more resilient, and sustainable.

## Job Description

The **Risk Modeler** is primarily responsible for developing, enhancing, and managing vulnerability component of Verisk's wildfire portfolio risk analysis models. The candidate will be located in Boston and work closely with a team of engineers, scientists, statisticians, and specialists in the research department. Candidates fit this position are expected to be highly motivated and detail-oriented team player with sophisticated problem-solving skills.

### Main responsibilities

- Collect and analyze wildfire datasets to build a solid understanding of wildfire damages and losses.
- Build vulnerability models of buildings, infrastructures, and industrial facilities subjected to wildfires as well as wildfire smoke.
- Build a broad knowledge base of wildfire risk mitigation, state legislation, and wildfire related insurance regulations. Incorporate the knowledge into Verisk's wildfire models through robust, efficient, and realistic algorithms.
- Assist in client support by providing technical analysis, conference presentation, and written documentation.

## Qualifications

- Master's degree in Mathematics/Statistics/Economics/Engineering or other quantitative discipline with 3+ years of related experience or PhD degree in Mathematics/Statistics/Economics/Engineering or other quantitative discipline.
- 3+ years working with large data sets.
- Hands-on experience in wildfire risk assessment and modeling. Without wildfire modeling experience, candidates with rich experience in modeling other natural catastrophe perils is equally qualified.
- Proficient in programming with Python or R. C++ programming capability is a plus.
- Demonstrated experiences in statistical and probabilistic modeling. Familiar of GIS data process, analyzation, and visualization is a plus.
- Excellent written and verbal communication skills.

### Preferred

- Coding in SAS or SQL

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**Additional Information**

In 2022, Verisk received Great Place to Work® Certification for our outstanding workplace culture for the sixth year in a row and second-time certification in the UK, Spain, and India. We're also one of the 38 companies on the UK's Best Workplaces™ list and one of 18 companies on Spain's Best Workplaces™ list.

For over fifty years and through innovation, interpretation, and professional insight, Verisk has replaced uncertainty with precision to unlock opportunities that deliver significant and demonstrable impact. From our historic roots in risk assessment, we've grown to provide analytic insights that help transform industries focused on some of the world's most critical areas. Today, the insurance industry relies on Verisk to be, and to make the world, more productive, resilient, and sustainable.

Verisk works in collaboration with our customers and at the intersection of people, data, and advanced technologies. Through proprietary platformed analytics, advanced modeling, and interpretation, we deliver immediate and sustained value to our customers and through them, to the individuals and societies they serve, with greater speed, precision, and scale.

We're 9,000 people strong, committed to translating big data into big ideas. We help others see new possibilities and empower certainty into big decisions that impact individuals and societies. And we relentlessly and ethically pursue innovation to help move our customers, and the world, toward better tomorrows.

Everyone at Verisk—from our chief executive officer to our newest employee—is guided by The Verisk Way, to Be Remarkable, Add Value, and Innovate.
• Be Remarkable by doing something better each day in service to our customers and each other
• Add Value by delivering immediate and sustained results that drive positive outcomes
• Innovate by redefining what's possible, embracing challenges, and pushing boundaries

**Verisk Businesses**

Underwriting Solutions — provides underwriting and rating solutions for auto and property, general liability, and excess and surplus to assess and price risk with speed and precision

Claims Solutions — supports end-to-end claims handling with analytic and automation tools that streamline workflow, improve claims management, and support better customer experiences

Property Estimating Solutions — offers property estimation software and tools for professionals in estimating all phases of building and repair to make day-to-day workflows the most efficient

Extreme Event Solutions — provides risk modeling solutions to help individuals, businesses, and society become more resilient to extreme events.

Specialty Business Solutions — provides an integrated suite of software for full end-to-end management of insurance and reinsurance business, helping companies manage their businesses through efficiency, flexibility, and data governance

Marketing Solutions — delivers data and insights to improve the reach, timing, relevance, and compliance of every consumer engagement

Verisk Maplecroft — provides intelligence on sustainability, resilience, and ESG, helping people, business, and societies become stronger

At Verisk you can build an exciting career with meaningful work; create positive and lasting impact on business; and find the support, coaching, and training you need to advance your career. We have received the Great Place to Work® Certification for the 7th consecutive year. We've been recognized by *Forbes* as a World's Best Employer and a Best Employer for Women, testaments to our culture of engagement and the value we place on an inclusive and diverse workforce.  Verisk's

Statement on Racial Equity and Diversity supports our commitment to these values and affecting positive and lasting change in the communities where we live and work.

Verisk Analytics is an equal opportunity employer.

All members of the Verisk Analytics family of companies are equal opportunity employers. We consider all qualified applicants for employment without regard to race, religion, color, national origin, citizenship, sex, gender identity and/or expression, sexual orientation, veteran's status, age or disability.

http://www.verisk.com/careers.html

Unsolicited resumes sent to Verisk, including unsolicited resumes sent to a Verisk business mailing address, fax machine or email address, or directly to Verisk employees, will be considered Verisk property. Verisk will NOT pay a fee for any placement resulting from the receipt of an unsolicited resume.

HR CCPA Privacy Notice.pdf

**At Verisk, the health and safety of our people is our number one priority.  Effective November 15, 2021, and subject to applicable law, all prospective hires for office based roles or roles that support any of our businesses' government contracts will be required to demonstrate that they are fully vaccinated against COVID-19 by their start date, or qualify for a legally-required medical or religious accommodation to this vaccination requirement, as a condition of employment. Hired candidates who do not demonstrate that they are fully vaccinated against COVID-19 by their start date, and who have not been approved for a legally-required medical or religious accommodation will no longer meet the requirements for employment and their offers of employment will be immediately rescinded, in accordance with applicable law.**

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Posted by
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