Senior Quantitative Researcher  
Roofstock, Inc

Position Overview

Roofstock is looking for experienced statisticians or computer scientists to join our Research and Development team. This team works on a diverse collection projects with a common theme of building a more complete understanding of the dynamics of the US housing market, identifying and delineating neighborhoods, isolating the financial characteristics of individual properties, and developing a model for the individual retail real estate investor. These efforts will help to encourage transactions in our online marketplace by better aligning buyers and sellers while giving them enough information feel confident in their decisions. We are looking for adaptable researchers with expertise in statistical and methodological research with the ability to deliver principled solutions.

What You Will Do

- Drive methodology development for complex statistical problems in the domain of real estate, online marketplaces, and/or recommender systems
- Evaluate the limitations of existing data sources and provide concrete recommendations for data needs
- Engage with a range of teams to understand their products and data needs, and provide strategic advice on both their short term solutions and their longer term roadmaps
- Write robust, well-documented research code
- Communicate results to stakeholders in various parts of the organization, including business strategy, sales, product managers, and engineers

Requirements

- MS or PhD in statistics, machine learning, computer science, biostatistics, economics, or a related field
- Expert in R or python; some experience with C++/Java
- Significant experience developing and applying advanced statistical/machine learning models and algorithms for one or more of the following areas: classification, clustering, time series, spatial modeling, recommender systems
- Ability to rapidly prototype and test new ideas
- Demonstrated ability to work independently
- Interest in understanding all aspects of the US housing market from national trends to neighborhoods and individual properties
- Excitement to learn new topics, develop new skills, and use new tools
- Drive to solve problems, meet deadlines, and build whatever is necessary along the way
- Demonstrated expert communication, facilitation, and collaboration skills to effectively present, explain, influence, and advise; including interdisciplinary communication and collaboration
- (Preferred) Previous industry experience implementing statistical/ML algorithms
- (Preferred) Established track record of publication in peer-reviewed technical journals
What We Offer

The environment is extremely engaging and fast-paced, with a diverse set of business leaders, product managers, analysts, real estate experts, engineers, and data scientists working together to provide the best possible products and experiences for our customers.

We provide competitive salaries, benefits, and some great perks, including:

- Unique opportunity to make a real world impact - we are building a unique marketplace with the potential to have a transformative impact on the single family home market.
- As a rapidly growing business you’ll see your projects shape the products we build and our customers’ experience.
- We let you explore personally compelling topics by taking time to work on independent projects; if you have a great idea -- build it!
- We encourage participation in relevant workshops and conferences.
- At less than 50 employees, we’re a tight knit group where you’ll have a chance to understand all aspects of the business!

About Us

Roofstock is the first online marketplace created exclusively for investing in leased Single-Family Rental homes. Created by investors for investors, Roofstock provides research, analytics, and insights to evaluate and purchase independently certified properties. Roofstock brings transparency and efficiency to a curated marketplace creating a better way to transact. Buyers access vetted homes with current cash flow. Sellers market homes without lost income or disrupting tenants. Neighborhoods avoid signs in yards which could depress values. It’s win-win all around.

The most revolutionary aspect of the Roofstock marketplace is enabling investors to treat their real estate investments more like stock portfolios, focusing on asset allocation, rather than dealing with the hassles of researching and buying vacant homes that need to be repaired and leased. This creates significant time and cost savings for all parties.

Website: [www.roofstock.com](http://www.roofstock.com)

Application instructions: Candidates apply by emailing a CV / resume, a cover letter, and three references to Paul Kidwell, [paul@roofstock.com](mailto:paul@roofstock.com)