Senior Applied Scientist - Zestimate

P711326 · Data Science & Analytics · Zillow Group · Seattle

Apply at: https://careers.zillowgroup.com/ShowJob/JobId/400995/SeniorAppliedScientistZestimate

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About the team

The Zestimate team is focused on all things related to real-estate valuation. The home valuation problem is an unsolved, complicated spatial-temporal modeling challenge. We are always looking for the best model for the job, whether it is a random forest, deep neural nets, matrix factorization, or GLM. If we cannot find one, we will invent it. The work we do is at the core of Zillow’s mission to empower the consumer and provide them with the tools to make informed decisions.

This is the team behind Zillow Prize, our million dollar competition to crowdsource ideas that push automated home valuation models further. Learn more at www.zillow.com/ai and www.zillow.com/research

About the role

Zillow is looking for a Senior Applied Scientist to join the Zestimate team. This is a high-impact role as the Zestimate, Rent Zestimate, and related products are some of the most sought-after content on the Zillow site and are critical to the company’s mission to create the largest, most-trusted, and vibrant home-related market in the world.

As a Senior Applied Scientist, you will:

- Push the boundary of data driven, systematic real estate market intelligence and insights
- Efficiently collect and wrangle data from various data sources with complex formats
- Search for the best approach to solve a particular problem, whether implementing a well-known approach or inventing novel solutions from scratch
- Work closely with applied scientists, data scientists, engineers, and developers to implement ML solutions and products at large scale into production
- Communicate machine learning analyses clearly to technical and non-technical audiences
- Mentor and develop junior team members and lead technical projects
- Provide guidance toward the development of an organization-wide machine learning and valuation platform
Who you are

- PhD in Applied Mathematics, Statistics, Computer Science, Machine Learning, Data Science, Economics, Real Estate or a related discipline.
- 3+ years of hands-on experience solving business problems with applied data science and machine learning techniques
- Deep knowledge of probabilistic machine learning, high performance computing and cloud environment
- Expertise working with machine learning tools and packages like R, Python, Numpy, Pandas, Scikit-learn, SciPy, Tensorflow, etc.
- Working experience with relational databases and SQL query methods
- Experience with large scale distributed systems like Hadoop, Spark, etc.
- Demonstrated technical breadth and depth across several applied science areas
- Passionate about learning new business domains and solving problems
- Proven ability to conduct research, assimilate state-of-the-art methods from research papers, and turn product requirements into algorithmic solutions.

Get to know us

At Zillow Group, we’re powered by our inclusive work culture, where everyone has the support and resources to do the best work of their careers. Our efforts to streamline the real estate transaction is supported by our passion to empower people and enrich lives around everything home, a deep-rooted culture of innovation, a fundamental commitment to Equity and Belonging, and world-class benefits. But, don’t just take our word for it. Read our reviews on Glassdoor and recent recognition from multiple organizations, including: Fortune 100 Best Companies to Work For (#69), Fortune Best Workplaces for Diversity (#38), Fortune Best Workplaces for Parents (#31), Fortune Best Workplaces for Women (#20), Fatherly’s Best Workplaces for New Dads (#37), JUST Capital 100 Company (#69), Bloomberg Gender Equality Index constituent.

Zillow Group is an equal opportunity employer committed to fostering an inclusive, innovative environment with the best employees. Therefore, we provide employment opportunities without regard to age, race, color, ancestry, national origin, religion, disability, sex, gender identity or expression, sexual orientation, or any other protected status in accordance with applicable law. If there are preparations we can make to help ensure you have a comfortable and positive interview experience, please let us know.