Munich RE ☰

RE_IMAGINE YOUR FUTURE
Data Scientist
Dublin, Ireland

© Shutterstock

Munich Re is one of the world's largest reinsurers providing solutions for complex risks to 40 million clients in over 30 countries.

Munich Re Automation Solutions are the market leader in providing new business processing and underwriting automation solutions to the life insurance industry. The Automation Solutions division of Munich Re delivers exceptional solution-based expertise that enables straight through processing (STP), increases sales and reduces costs for life insurers worldwide.

Munich Re Automation Solutions have enabled STP and "instant issue" for insurers and banks globally, who are now able to auto-assess the majority of new applications at the point of sale for a variety of life insurance products across the full spectrum of distribution channels. This has been accompanied by a significant reduction in new business acquisition costs.

Headquartered in Dublin Ireland, the Automation Solutions division of Munich Re also has offices in Sydney, Tokyo, Singapore and Chicago.

About the role

At Munich Re Automation Solutions Data Scientists play a very important role within the Analytics team, prototyping and defining enhancements to our digital products and services and working with stakeholders to realise practical applications of AI and Advanced Analytics.

The successful candidate will be joining a team in Dublin that has been at the forefront of the digital revolution in the insurance market for over 30 years. They will translate market requirement into product features and new machine learning capabilities for the cloud platform, and developing the broader analytic strategy.

Great people are an essential part of our success, you and your team's work, will enable life insurance companies around the world succeed in the new digital age, reinventing the consumer experience and ultimately help people to get life insurance faster.

What you will work on

- Engage with customers and internal stakeholders around the world to discover unmet analytic & AI needs and articulate requirements to meet their needs.
- Proactively run analysis and evaluate "proof of concepts" to unlock new statistical insights, which can be developed into future customer product & service offerings.
- Deliver analysis and insights on specific customer data sets as part of contracted customer service arrangements.
- Collaborate with architects, designers and developers across all phases of product development: ideation, design, development and product rollout.
- Work with stakeholders throughout the organization to identify opportunities for leveraging company data to drive business solutions.
- Mine and analyse data from company databases to drive optimization and improvement of product development, marketing techniques and business strategies.
- Be a key contributor in company decisions regarding usage of analytic tools, software packages, and customer visualization products, where these impact on data analytics.
- Develop custom data models and algorithms to apply to data sets.
- Coordinate with different regional analytics centers to implement models and monitor outcomes.

What we are looking for

- 2/3 years' experience in a relevant role
- A BA or Master's in Statistics, Mathematics, Computer Science or another quantitative field
- Experience using statistical computer languages (R, Python, SQL, etc.) to manipulate data and draw insights from large data sets.
- Knowledge of a variety of machine learning techniques (clustering, decision tree learning, artificial neural networks, etc.) and their real-world advantages/drawbacks.
- Knowledge of advanced statistical techniques and concepts (regression, properties of distributions, statistical tests and proper usage, etc.) and experience with applications.
- Excellent written and verbal communication skills.
- A drive to learn and master new technologies and techniques.

You will stand out if you have..

- Hands-on experience working with natural language processing
- Coding knowledge and experience with several languages is an advantage, e.g. Java, Node JS, etc.
- Knowledge and experience in statistical and data mining techniques: GLM/Regression, Random Forest, Boosting, Trees, text mining, social network analysis, etc.
- Experience querying databases and using statistical computer languages, e.g. R, Python, SQL, etc.
- Experience using web services: Google Cloud AI Platform, Redshift, S3, Spark, etc.
- Experience creating and using advanced machine learning algorithms and statistics: regression, simulation, scenario analysis, modelling, clustering, decision trees, neural networks, etc.
- Experience visualizing/presenting data for stakeholders using: Tableau, D3, ggplot, etc.

Want to apply ?

please send your CV and cover letter to careers@munichre.digital