

**Job Title** Senior Data Scientist Level 1  
**Division** Product (Pricing)  
**Location** Dublin, IRL, Madrid, SP & Lisbon, PT – Digital Working Model  
**Reports to** Pricing / Analytics Manager



If you are interested in, please contact with **Rita Aires (Talent Advisor)** – [rita.aires@libertyseguros.pt](mailto:rita.aires@libertyseguros.pt)

### **Job summary**

We are making a significant strategic investment in further developing Pricing sophistication in our European markets. As a Senior Data Scientist you will play a key role in the execution of our Grow 2025 Pricing Sophistication strategy aiming to implement best-in-world Pricing. You will partner with the Product teams in initiating and driving the vision, strategy and deliverables to meet key objectives in a fast-paced, results-driven environment.

Successful candidates will use a combination of outstanding analytical reasoning, business acumen, and technical skills to deliver data-driven change recommendations. They will also use their ability to analyse and understand complex data to drive decisions and will have strong cross-functional skills and will be comfortable working with key functions across the organisation.

### **Key Tasks & Responsibilities**

- Apply sophisticated, cutting-edge statistical techniques to very large data sets in the course of predictive modelling and various analytical projects. Examples of the techniques include Decision Trees, Clustering, GLM, Boosting, Neural Networks, Text based analytics.
- Research and develop complex tools and analytical models for use by business operations and/or functional groups (e.g. Pricing, Underwriting, Marketing, Claims etc.).
- Produce meaningful observations and recommendations through synthesizing data from internal and external sources. (E.g. economic, weather, customer sat, social media activity, etc.).
- Present findings / recommendations to influence management, senior business stakeholders and the rest of the department.
- Carry out predictive modelling and other analyses to solve business problems.
- Perform data preparation steps, including extraction of target data from multiple databases, integration of multiple datasets, and creation of derived variables, application of business rules, and quality control checks.
- Provide guidance and lead other team member to share best practices in predictive modelling and build the advanced analytics community.

### **Qualifications**

- Master's/PhD degree in Mathematics, Computing, Statistics or another quantitative field.

### **Knowledge & Experience**

- Ideally 4/5+ years' experience in data science or related analytical role
- Experience / specialized knowledge of using statistical techniques e.g. regression analysis, cluster analysis and dimension reduction.
- Experience with numerical optimisation algorithms and concepts such as gradient descent, simulated annealing, convex optimisation
- Identification of relevant statistical techniques for addressing various problems.
- Previous use of various analytical methodologies, e.g. Gradient Boosting, Random Forest, Neural Networks, GLM, K-means clustering, etc., including advanced performance validation and testing
- Knowledge of big data concepts, strategies, and methodologies
- Previous experience using machine learning and big data products within Amazon Web Service (AWS) is highly desirable
- Interpretation of results mathematically and strategically
- Strong technical background; comfortable with programming and / or use of statistical software packages (Python required, SAS & R advantage), Git and Excel
- Ability to identify and communicate limitations of tools and methods
- Knowledge of data sources, tools and business drivers in insurance industry
- Understanding of the insurance industry, including external influences and internal functions

**Liberty Seguros is an Equal Opportunity Employer**

## Competencies

- Highly motivated to deliver consistent high performance.
- Good interpersonal skills, works closely with other individuals / teams to achieve goals.
- Seeks to maximise the benefits of a team focussed organisation and supports collaboration.
- Effective communicator with the ability to generate and present insights in a way that can be clearly understood by both technical and non-technical audiences.
- Ability to balance multiple projects to ensure timely delivery of accurate results.
- Ability to adapt to evolving techniques and changing business challenges.
- Actively utilise data quality and data preparation best practices (documentation, GIT versioning, etc).
- Ability to find creative solutions to problems.
- Able to collect, analyse and challenge technical information.
- Distils complex quantitative and qualitative information into key facts and makes well-reasoned recommendations to management.
- Proficiency in English, also Spanish or Portuguese language skills or an interest in learning.