

Bermuda Monetary Authority is committed to attracting and developing the best people who are dedicated to providing exceptional service.



Data Scientist

Data Science and Artificial Intelligence Department

The Bermuda Monetary Authority is seeking the services of a skilled and capable individual to work as a Data Scientist in our Data Science and Artificial Intelligence Department. Reporting to the Head of Department or his/her designate, the incumbent will be responsible for using machine learning—supervised and unsupervised learning—(or other computer automation) techniques to assist the BMA in effective and efficient decision-making in the fulfilment of its prudential responsibilities.

This is a key role for the Authority and the post-holder will be responsible for:

- Translating business needs into requirements suitable for framing Machine Learning (ML) solutions
- Creating ML Models to uncover hidden and complex patterns, make predictions about future events and transform raw data into actionable insights. Models may include predictions and forecasts, text analytics and NLP, as well as unsupervised tasks such as anomaly detection.
- Researching, proposing and prototyping ML models to demonstrate and provide business value to solve specific business problems
- Designing, developing and implementing ML Model experiments using a scientific approach to configure, organize, log and reproduce experiments.
- Designing, developing, implementing, and deploying ML Pipelines to deploy scalable ML solutions that are sustainable in an enterprise environment.
- Developing assessment and monitoring procedures for ML models.
- Designing and performing meaningful Exploratory Data Analysis over different data sets.
- Presenting and communicating information and insights using advanced and effective data visualization techniques.

This position requires a proven technical and business background. Therefore, the post-holder must have:

- A Bachelor's Degree or equivalent qualification in Computer Science, Mathematics, Statistics or related field from a recognized institution or professional body
- A minimum of seven years related experience in developing machine learning models, including deep learning models
- Strong experience in Data Science and Advanced Data Analytics using statistical computer languages (i.e. R, Python Stack, SQL) to manipulate data and draw insights from large data sets
- Capable of performing statistical analysis, quantitative analysis, multivariate calculus and linear algebra
- Proficient with the deployment of Machine Learning implementations in an enterprise setting
- Proven skills with Text Analytics, NLP, IDP for modelling and processing from the creation of the dataset to the final model in production.
- Competent in conducting data pre-processing and manipulation skills, as well as feature engineering
- Skilful in Data Storytelling and Data Visualization
- Leadership skills required to develop strategic data science initiatives, project development and management
- Strong interpersonal and communication skills
- Display solid analytical and critical thinking
- Ability to work in a fast-paced environment, handling multiple priorities.

The Bermuda Monetary Authority is the integrated regulator of the financial services sector in Bermuda. We offer an opportunity for broad exposure to international regulatory issues, special projects and a variety of work experience.

If you are looking for a challenging opportunity in a team environment, we invite you to submit your application online via our 'Careers' page at www.bma.bm. Applications for this position must be received no later than **23 June 2021**.

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Bermuda Monetary Authority is an Equal Opportunity Employer.

Individual Excellence...Collective Strength

Protection ■ Integrity ■ Accountability ■