

Anti-Money Laundering New Graduate Program Statistical Modeler

Mandate

The AML Statistical Modeler will support the development of leading edge AML models for transaction monitoring, name matching, watch-list monitoring and customer risk scoring. The role provides input to the framework for model development that would further improve the discipline. This position carries responsibility for the timely and accurate development of AML models. The testing, reviewing and validation activities include but is not limited to assisting technical writers with model documentation, following the AML and Enterprise Modeling Governance standards; stating key assumptions, including qualitative and expert judgment, logic and conceptual soundness; conducting various tests. The program will begin in **June 2016**.

Key Accountabilities

- Assess the quality of the data for model development as well as inputs to models;
- Accomplish AML Program objectives through the effective oversight and support of critical AML models;
- Properly identify report and escalate issues which may impact the AML Office resulting from lack of model performance, functionality or changes within critical applications;
- Perform first level review and analysis of issues or escalations received from other areas within the AML Office;
- Provide recommendations to improve monitoring systems and capabilities based on identified risk and control gaps;
- Assist in preparing materials required for Audits and Exams;
- Assist in the evaluation of projects and initiatives across BMO to properly identify areas of impact concerning critical AML models;
- Scope of Scenarios & Parameters Change: Amend existing AML parameters;
- Scope of Scenarios & Parameters Design: Design of component parts;
- Integration Complexity: Single/few impacted systems or applications;
- Time span of longest component part: 6 to 9 months;
- Managerial Leadership: N/A;

Cross Functional Relationships

- AML Team (CAMLO Office, FIU, Enterprise AML Modeling and Data Governance)
- Product Groups
- Line Of Business' (AMLRO's)
- Model Risk Vetting Group
- Technology & Operations

Knowledge

- Master degree in a quantitative discipline e.g., Statistics, Mathematics, Engineering, Economics, Finance or MBA or other quantitative field.
- In-depth technical development skill and sound knowledge of advanced technology concepts
- Deep understanding of specialized technical/business processes within the bank
- Good knowledge of Bank products, services, organization and interrelationships
- In-depth knowledge of Financial Crimes, including current ML/TF behaviors
- In-depth knowledge of Statistical Analysis and Human Behavior Modeling
- Knowledge of Data Mining Tools
- Working knowledge of parametric and non-parametric statistical techniques.

Anti-Money Laundering New Graduate Program Statistical Modeler (cont.)

Skills

- Analytic Thinking In-depth
- Data Mining & Modeling In-depth
- Problem Solving In-depth
- Information Management In-depth
- Applied Innovation Working
- Risk Management Working
- Project Management Basic

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Must be a U.S. citizen/permanent resident
Must not require sponsorship