

Enterprise Risk Portfolio Management New Graduate Program Quantitative Analyst

Mandate

The objective of the Credit Risk Models group is to create and innovate quality and efficient analytic and business solutions, to guide the Bank's credit risk strategies, policy, and management. The group develops, implements, and maintains risk rating, risk parameters, and adjudication models and methodologies for wholesale and consumer credit, stress test and loss forecasting models and methodologies, and methodologies for risk capital.

These methodologies in conjunction with other inputs guide strategic and business decision making and serve for the purposes of capital and performance measurement and management, loan pricing, financial planning and forecast, target setting, and compliance to regulatory requirements including Internal Capital Adequacy Assessment Process (ICAAP), US Comprehensive Capital Analysis and Review (CCAR), and US Dodd-Frank Act Stress tests (DFAST).

The Quantitative Analyst will develop, calibrate, implement and maintain a suite of credit risk models, provide risk intelligence and data analytics, methodological support to the enterprise-wide stress testing programs and stress testing infrastructure as well as the activities related to ICCAP, CCAR, and DFAST.

The program will begin in June 2016.

Key Accountabilities

The successful incumbent is accountable for performing or assisting with any of the following:

- Develop, communicate, and integrate risk analytics, adjudication, account management, and credit capital assessment models into all aspects of the banking business
- Explore and recommend opportunities to extend the scope and applicability of statistical models or analysis as well as developing new models to support value potential
- Develop improve document and implement stress testing and loss forecasting models for credit risk related to consumer and wholesale credit portfolios across the enterprise (BMO and BCF) to meet business and regulatory constraints
- Develop new, improve current, document, and implement models used to measure risk based capital including risk capital
- Support the implementation, monitoring and validation of credit risk adjudication scorecards
- Keep abreast of Basel developments; ensure internal processes and methodologies are compliant with current and evolving regulatory requirements in order to meet and sustain regulatory capital target at the most advantageous level possible.
- Liaise with various users/stakeholders (e.g. Business, Credit, Capital Mgmt, independent Vetting, and Technology and Solutions groups) in respect of input to model development, guidance on application of rating models, changes to rating methodologies/models to facilitate understanding and approval or system development.
- Develop and maintain key competency in external credit risk measurement models
- Constantly demonstrate strong analytic and interpersonal skills while interacting with and influencing their colleagues and co-workers in implementation, risk management, product development, marketing, and acquisition business areas.
- Have opportunities to mentor fellow team members in the development, communication, and business integration of analytics, quantitative models, and strategies that will enhance customer experience of the banking business.

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Knowledge

- Graduate University in quantitative discipline, MSc, MA, MMF or Ph.D. degree in Mathematics/Statistics, Computer Science, Engineering, Economics, Operations Research or Business preferred. Outstanding undergraduates will be considered. A relevant professional designation (e.g. FRM, CFA) is a plus
- Previous work experience in an analytical role using SAS, Matlab, or any other statistical/data mining software is a benefit
- Very strong analytical and technical skills required including quantitative analysis, programming and statistical model development
- Proficiency in at least two of the following statistical/numerical software: Matlab, SAS, SQL, VBA, VB, C++
- Strong mainframe, UNIX and PC skills
- Experience with statistical software packages, including SAS and KnowledgeStudio
- Experience with manipulating data using Excel, Ms Access, and SQL
- Excellent knowledge of bank products and credit lending services
- Knowledge of the Basel Capital Accord

Skills

- Excellent interpersonal and relationship building skills
- Excellent analytical and technical skills
- Excellent written and verbal communication skills.
- Excellent time management, planning and organizing skills to manage multiple priorities and deliver quickly under pressure
- Strong leadership and mentoring skills
- Strong project management and change management skills

Working Conditions

This role requires minimal lifting and minimal exposure to risk to safety. The working environment requires prolonged periods of sitting at a desk using a computer with a need for focus visual and mental concentration. During month/quarter-end periods, CaR planning and OSFI requests, there is an inherent pressure to meet deadlines.

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