Job Role: Climate Risk Intern

Availability: Immediate is preferred

Job Purpose: -

Require candidates to enhance, manage and implement firmwide models relating to credit or operational risk for Bank’s portfolios. Review and create various risk model which measures impact of climate risk or climate change. If candidate has worked on catastrophic risk on bank’s credit risk or operational risk may also apply. Candidate is expected to build financial models and recommend remedial actions.

Key responsibilities include -

* Explore various data sources in the physical and transition risk areas to be used for building climate risk models. In addition, explore ESG data sources which can be used to determine a company’s compliance to ESG norms.
* Support the ongoing initiatives on the team's physical and transition risk analytical frameworks. Candidate should contribute towards scenario analysis, credit risk impacts (such as PD, LGD etc.) from climate risk and surrounding governance policies including views on evolving market, policy, technology and weather trends/patterns
* To quantify impact of climate risk events on bank’s balance sheet and provisions on a 20-30-year horizon based on TCFD recommendation.
* To calculate the loss impacts of transition and physical risk events by calculating the PD, LGD and EAD forecasts adjusted for climate risk
* To identify key risk indicators, risk identification, risk appetite, tolerance and governance pertaining to climate risk
* To quantify financial impact of climate risks after considering the risk drivers and their potential impact on bank’s book; robustness of model assumptions and testing the performance of model output
* To produce probabilistic estimates of losses to companies due to various perils including earthquake, windstorm, etc.

Desired skills -

* Quantitative modelling experience, including the minimum of 1+ year in credit risk models
* University degree in a relevant field (e.g. environmental studies, sustainability, economics, finance); a quantitative academic background is also acceptable
* Ability to convey information clearly, accurately and succinctly (both written and verbally)
* Excellent analytical skills: proficient in Excel modelling and comfortable working large datasets
* Ability to draft high-impact presentations and documentation
* **Software/Tools:** Statistical tools namely SAS, Python, R for 2+ years
* Others:
  + Strong knowledge of statistics
  + Strong written and verbal communication skills
  + Knowledge of SQL