

Quantitative Finance Analyst

General Job Description:

Responsible for independently conducting quantitative analytics and modeling projects. Responsible for developing new models, analytic processes or systems approaches. Creates documentation for all activities and works with Technology staff in design of any system to run models developed. Incumbents possess excellent quantitative/analytic skills and a broad knowledge of financial markets and products.

Specific Job Description

The company is seeking to employ a Model Risk Manager to work on the validation, risk management and control of models used and developed by the Global Rates line of business. The successful candidate will be responsible for the validation of the relevant models, and work closely with the front office model developers and other support partners, in particular market risk, PVG and middle office.

Responsibilities include:

Reviewing and testing models primarily used by the Global Rates line of business. This includes interest rate and inflation models for both vanilla and exotic products.

Liaising with the Rates class head to discuss the results of reviews, implementations and ongoing monitoring of models.

Independent re-implementation of front office models for benchmarking and validation.

Documentation of validation activities.

Liaising with front office model developers and other control functions to ensure proper governance of the model inventory.

Required Skills

PhD or Master in Computational Finance, Mathematics, Statistics, Physics or related degree along with a quantitative related thesis.

Strong finance or risk background with excellent quantitative skills and expert knowledge of stochastic calculus.

Excellent communication skills (written and verbal) and interpersonal skills.

Extremely well organized and detail-oriented.

Desired Skills

Experience of developing and testing models in Python. Familiarity with the LaTeX document preparation system.

Quantitative modeling experience in rates or related area in a major trading or investment firm