



## Example of Quantitative Associate Job Description

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Our company is growing rapidly and is looking for a quantitative associate. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

### Responsibilities for quantitative associate

- Provide general day-to-day quantitative support to the trading desk
- Assist with the pricing of new products and feasibility of modelling approaches
- Co-ordinate with GMO and GRM as part of the process of submitting front office developed models for vetting and use in the bank's risk framework
- Provide technical expertise on capital, margin, and other matters relating to quantitative risk management and collateral disputes
- Perform validation on conceptual model assessment and implementation, input data validation, back testing and benchmark testing
- Identify model limitations and evaluate the materiality
- Assist the team in providing guidance to Members regarding improvements in model design, implementation, output reporting, documentation and governance
- Evaluate model changes upon notification by Member firms, perform testing on the changes, update the documentation and reconfirm model approval
- Assist in the ongoing monitoring of Members' use of approved capital and margin models
- Generating data extracts for use in statistical analysis

### Qualifications for quantitative associate

- High degree of initiative and ability to drive results
- Experience with insurance products preferred

- Experience in pricing complex derivatives and performing advanced statistical analysis on underlying risk factors (returns' distribution, volatility, correlations)
- Preference will be given to candidate with experience in developing risk models like Historical VaR, Monte Carlo VaR, Multi-Factor Risk Models, Stressed VaR, Liquidity Risk models
- The candidate should also be well trained in probability theory, stochastic processes, and have experience providing theoretical justifications of Risk Models they have developed