

POSITION DESCRIPTION

COMPANY: Prescio Consulting, LLC
LOCATION: Casa Grande, Arizona
POSITION: Senior Quantitative Analyst

FIRM DESCRIPTION

Prescio Consulting is a financial risk management consulting and IT development firm. Prescio has several decades of combined experience in fundamental and applied R&D, analytical product development in financial and commodity contexts, and customized software development and implementation. Prescio is a small minority-owned global business headquartered in Casa Grande, Arizona. We are currently certified as a minority owned business. We actively seek opportunities to demonstrate our speed of execution and quality of service.

JOB DESCRIPTION

Prescio is looking for an experience Quant to work within the Quant team in Casa Grande. Tasks include but are not limited to:

- Lead development and validation of Basel II credit risk model(s): Calculation and validation of Probability of Default, Loss Given Default and Exposure at Default; Develop recovery rate assumptions and exposure at default estimation and their ongoing validations and refinements.
- Lead development and validation of Basel II operational risk model(s): Apply LDA (Loss Distribution Approach) to calculate VAR (Value at Risk) for each business line and loss type of a financial institute; Develop methods to combine internal loss data with external data and scenario data; Apply EVT (Extreme Value Theory) to model and simulate heavy tailed data; Apply Copula theory to calculate dependent economic capitals.
- Lead development and validation of Basel II market risk model(s): Implement historical simulation and Monte Carlo simulation to calculate VAR of portfolios.

REQUIREMENTS

- PhD in statistics or related quantitative field or advanced degree with equivalent experience
- Must have academic or industrial experience in implementing:
 - Risk model validation techniques: Scenario Analysis; Stress Testing; Back Testing
 - Credit risk measurement methods for PD (probability of default), LDG (loss given default) and EAD (exposure at default)
 - AMA (advanced measurement approach) for operational risk using LDA (loss distribution approach) and copula theory
- Experience must also include quantitative Basel II risk capital modeling
- Basic understanding of accounting concepts: GAAP; LIFO-FIFO
- Proficient in statistical packages R and Development skills in C++, Java and VBA

**Interested parties should send email to s.zajac@prescio.com.
Use "Senior Quantitative Analyst" in subject line.**