Market Risk Measurement and Management

Online course

Chapter 1 - Risk on Single Instrument

- Overview of risks
- Duration and convexity
- Key rate duration
- Stock risk and beta value
- Option risk
  - Delta, Vega, Gamma,Theta, Rho
- Mapping of instruments
  - Objective
  - Example with stocks, bonds and derivatives

Chapter 2 - Volatility and Correlation

- Assumptions using volatilities and correlations
- Simple Moving Average
- Exponentially Weighted Moving Average (EWMA)
- GARCH-methods
- Workshop - Calculating and interpreting volatility using the three methods

Chapter 3 - Value at Risk and Expected Shortfall

- Delta Normal VaR
- VaR on single instrument
  - Stocks, FX, bonds and derivatives
- Portfolio VaR
  Workshop - calculating and interpreting portfolio VaR
- Historical simulation
- Bootstrapping
- Weighting of data
- Monte Carlo Simulation

Chapter 3 - Value at Risk and Expected Shortfall, continued

- Expected Shortfall
- Using VaR to manage risk
  - Delta VaR, Component VaR and Incremental VaR
- Workshop - historical simulation, Delta VaR, Component VaR and Incremental VaR

Chapter 4 - Capital Requirements on Market Risk, Backtesting and Future Regulation

- Standard method
- Internal method
- What can we expect in the future?
  - Fundamental Review of the Trading Book
- Backtesting
  - Objective and methods
  - Regulatory requirements
- Workshop - backtest of portfolio

Chapter 5 - Stresstesting

- Examples of stressed markets
- Stresstest objective and methods
- Experiences from the financial crisis
- Workshop: stresstest of portfolio

Price

The price of the course is Euro 1.540. The price includes recorded training with possibility to ask questions, exercises, and a one-hour individual webinar.

Phone: +45 70 23 23 10
Email: info@FinancialTP.com
Website: www.FinancialTP.com

Financial Training Partner A/S