QUANTITATIVE PORTFOLIO MANAGEMENT

Research, optimize, simulate, and manage the risk of your portfolios using one integrated platform.

Research Factors and Identify Alpha Signals
Create quantitative backtesting models to test your theories about which factors drive performance. Identify sources of alpha by evaluating characteristics' correlation to returns, set up custom reports and charts to easily highlight results, and leverage automation features to obtain results on a regular basis. Use proprietary or integrated third-party data to construct factors and leverage FactSet’s extensive symbology mappings to ensure complete and accurate historical data in your backtests.

Construct Optimal Portfolios and Simulate Strategies through Time
Use mean-variance optimization to create and rebalance your portfolios. Integrate third-party risk models from Axioma, Barra, and Northfield. Provide the optimizer with portfolio constraints to generate a list of trades necessary to construct an optimal portfolio and a desired risk return tradeoff. Set limits on sector weights, asset weights, turnover, and other metrics important to your strategy to ensure that your optimal portfolio complies with fund mandates. Integrate security ranks or forecasted returns from your alpha model. Iterate optimization through time in order to analyze historical performance.
Streamline and Automate Your Process

Gain a complete, end-to-end solution for your quantitative portfolio analysis, and eliminate the need for disparate systems. Save time with scheduled tasks and automated calculations that run at specified times and frequencies. Easily build presentation-ready reports that combine risk and performance analytics, and batch reports for all of your client portfolios. Add links to Microsoft Excel or fully integrated statistical packages that dynamically pull results from your models.

Measure Realized Performance and Decompose Predictive Risk

Use risk-based performance attribution to identify systematic sources of return. Decompose predictive risk characteristics such as Tracking Error, Exposures, and Value-at-Risk. Stress test your portfolio to identify vulnerabilities using exogenous market factors and extreme events. Identify and hedge against unintended sources of exposure and risk. Utilize predictive risk models from Axioma, Barra, Northfield, or your own custom models.