



Example of Quantitative Research Analyst Job Description

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Our company is looking to fill the role of quantitative research analyst. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

Responsibilities for quantitative research analyst

- Provide technical expertise in C# and SQL
- Assist in the maintenance and support of related infrastructure and the Quantitative Analytics team's ALM stack
- Establish research frameworks, based on a materiality matrix for specific groups of corporations and other issuers of securities
- Establish frameworks to develop investable universes focusing on liquidity and material ESG factors
- Support the enhancement of Calvert Research System by performing data quality tests and analytics
- Ensure data relevance and quality through appropriate selection of data sources, sound collection, data quality tests and strong data management
- Perform backtesting and other quantitative analysis to identify ESG performance indicators that are most impactful on stock price performance / company financials
- Support new product development and current product through running backtests performance attribution
- Ability to generate models from complex large databases and effectively use Data Visualizations tools like Tableau, BI
- Develop expertise in critical issue areas, such as energy, natural resource efficiency, environmental sustainability, economic development, supply chain management, health care

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- High level education is Statistics, Mathematics, Finance, Quantitative Finance or relevant studies
 - Undergraduate degree in a Quantitative major such as Finance, Computer Science / Engineering, Math or Statistics
 - 1+ years of post-graduate work experience (in a business or post-doc setting) involving complex quantitative modeling and analysis
 - Experience or natural interest in the capital markets, data science and behavioral analysis
 - Strong organizational and communication skills, with an emphasis on accuracy, concision, timeliness, and clarity
 - Ability to work effectively and efficiently under tight deadlines and other pressures