



## Currently recruiting Analyst level and Senior level Catastrophe Modeling Staff

### Job Description

**Position Title:** Catastrophe Modeling Analyst

**Company:** BMS Intermediaries Inc

### Overall Purpose of the Role

Provide analyses of client and prospects portfolios using catastrophe modeling software. Completing all aspects of the analysis process from preparing the raw data provided by the client/prospect for modeling, including modeling in any of the BMS licensed catastrophe modeling software systems, to producing any files, reports, exhibits, presentations or maps as needed to present final results to brokers, clients/prospects and reinsurance markets.

### Key Responsibilities and Duties

- **Portfolio Analysis:** Provide high quality, robust analyses of the client portfolios.
- **Pre-processing for Modeling:** Verify quality and integrity of the input data; prepare data to import to AIR, RMS, EQE software or any other software products utilized by the Analytics team. Understand and explain related data quality issues and secondary characteristics effects on modeled results.
- **Documentation of Analyses:** On each project provide complete, clear documentation on project scope, assumptions, data edits, analyses completed and results provided to brokers and clients.
- **Catastrophe Modeling Software:** Understand the differences in and run analyses in all catastrophe modeling software products licensed by BMS. Currently RMS, AIR and EQECat products.
- **Data Management:** Follow designated workflows, procedures and utilizes designated templates and automated tools.
- **Presentation of Results:** Produce accurate, clear, professional and detailed results in the file formats, reports, exhibits, presentations or maps as needed to present final results to brokers, clients/prospects and reinsurance markets following BMS templates and formats.
- **Portfolio and Model Evaluation:** Provide analysis of changes and variances in the modeled exposure due to exposure changes and model changes.
- **Internal and External Communication:** Maximize business impact internally and externally through effective communication with brokers, clients, prospects and information systems.



- **Software Product Knowledge:** Serve as a subject matter expert and resource for catastrophe model initiatives. Includes results presentations to clients and prospects, conveying model methodology and principles to non-technical audiences. Evaluate and communicate technical updates of catastrophe model software systems to brokers, clients and prospects.
- **Specialty Analyses:** Conduct post event analysis, "optimization" and other specialty analyses as needed.
- **Rating Agency Reporting:** Complete catastrophe modeling related sections of rating agency reporting forms for clients and prospects as needed.

### **Desired Skills & Experience**

- Bachelor's degree in mathematics, finance, economics or other related areas.
- Must be able to work independently, under tight timeframes and manage multiple projects.
- Must be detailed oriented
- Proven ability to work in team environment both locally in the Minnesota office and within the overall BMS Group.
- Proven excellence in communicating conclusions to analytics staff, managers and senior executives, both internally and externally.
- Extensive knowledge of commercially available catastrophe models.
- A good appreciation of complex insurance and reinsurance structures.
- Strong analytical and critical thinking skills.
- Basic understanding of accounting principles and financial reporting.
- Demonstrate advanced knowledge of business software such as MS Excel, Access and SQL.
- Knowledge of using VBA and ODBC connections a plus
- Experience with mapping software (ideally ESRI products) a plus.
- Occasional travel and overtime as needed.