



## Mathematical Statisticians

Thirty years ago, Congress decided that high-quality information enhances wise energy decisions, and so created the Energy Information Administration (EIA) within the Department of Energy. EIA has forged a world-class information program that stresses quality, teamwork, and employee growth. In support of our program, we offer a variety of professional positions, including the Mathematical Statistician, whose work is associated with the design, implementation and evaluation of statistical methods.

### Responsibilities:

Mathematical Statisticians perform or participate in one or more of the following important functions:

- Use statistical computing software packages, research, select, and apply mathematical statistical techniques and theories in the collection, processing, analysis, evaluation, and dissemination of energy pricing, production, supply, and distribution data
- Keep up-to-date with changes in energy industries and markets, including the effects of new and emerging technologies, rapidly changing industry practices, mergers and restructurings, new legislation and regulations, and other changes affecting energy production, pricing, supply and distribution patterns
- Contribute to frames development, selection, and maintenance; survey design, confidentiality, editing, imputation, estimation, graphical validation; and statistical analysis, regression, forecasting, suppression and data quality
- Keep up-to-date with advances in statistical analysis techniques
- Contribute analyses to EIA publications and special reports
- Develop presentations and Congressional testimony to be used by senior-level officials
- Prepare written and oral reports and answer questions from the public

### Core Qualifications:

A Bachelor's degree that demonstrates superior academic achievement and includes 24 semester hours in mathematics and statistics, of which 12 semester hours must be in mathematics and 6 semester hours must be in statistics.

Knowledge of the application of standard quantitative techniques, such as mathematical statistics or statistical inference, statistical computing, regression analyses, survey sampling, probability, sample design, data collecting, data editing, and/ or data imputing.

## Contact EIA's Recruitment Team

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