

# Career Opportunities in Statistics

## ASA RESOURCES

### Careers in Statistics Web Site

[www.amstat.org/careers](http://www.amstat.org/careers)

### Careers in Statistics PowerPoint Presentation

[www.amstat.org/careers/presentation.cfm](http://www.amstat.org/careers/presentation.cfm)

### Schools Offering Degrees in Statistics

[www.amstat.org/education/sods](http://www.amstat.org/education/sods)

### Business and Economic Statistics Section

[www.amstat.org/sections/bus\\_econ](http://www.amstat.org/sections/bus_econ)

### Statistical Consulting Section

[www.amstat.org/sections/cnsl](http://www.amstat.org/sections/cnsl)

### Section on Physical and Engineering Sciences

[www.amstat.org/sections/SPES](http://www.amstat.org/sections/SPES)

### Quality and Productivity Section

[www.amstat-online.org/sections/qp](http://www.amstat-online.org/sections/qp)

### Section on Risk Analysis

[www.amstat.org/sections/srisk](http://www.amstat.org/sections/srisk)

### Section on Statistics and Marketing

[www.amstat.org/sections/mktg](http://www.amstat.org/sections/mktg)

### ASA JobWeb

[jobs.amstat.org](http://jobs.amstat.org)

### Center for Statistics Education

[www.amstat.org/education](http://www.amstat.org/education)

Placement Service—ASA Annual Meetings

[www.amstat.org/meetings](http://www.amstat.org/meetings)

Jobs for statisticians in business and industry are found in not-for-profit and for-profit public and private companies. Statisticians work in areas such as market research, quality control, financial planning, insurance, and management. In addition to statistics and mathematics, future statisticians should study economics, finance, marketing, operations management, computer science, and writing.

## FIELDS OF APPLICATION

### INSURANCE

Actuarial statisticians work in pension plans, life tables, risk assessment, customer retention, and operations management. They assist in financial decisions regarding interest, annuities, mortgages, bonds, and determining pricing and product design.

### ENGINEERING

Engineers work in a range of industries, including electronics, chemicals, aerospace, pollution control, and construction. Statistical methods allow engineers to make a consistent product, detect problems early, minimize chemical waste, and predict product life.

### WRITING

Science writers are employed by the mass media, universities, and corporations to produce news briefs, articles, and news releases. Writers with scientific backgrounds are in demand because of their ability to explain complicated data in easy-to-understand terms.

### FINANCE

Financial statisticians build models that help an organization exploit opportunities and avoid risk. Statisticians build prediction models from historic business or economic information. Financial statisticians also work in consumer credit and fraud detection.

### MARKETING

Statistics is used to quantify the extent of variation in customers' needs and wants. Statisticians design experiments for new products, conduct focus groups and sample surveys, and perform field experiments in test markets. Statistics and data mining also are used to analyze sales data and predict future trends.

# BUSINESS & INDUSTRY

## OTHER RESOURCES

American Society for Quality

[www.asq.org](http://www.asq.org)

Institute for Operations Research and the Management Sciences

[www.informs.org](http://www.informs.org)

Society for Industrial and Applied Mathematics

[www.siam.org](http://www.siam.org)



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