Every year, a list of internship opportunities for students is published in *Amstat News*. Internships benefit both the organization and the student. The student has the opportunity to work with practicing statisticians who are proficient in their fields and to learn what it is like to work in an industrial, laboratory, or office setting. The organization gains the benefit of the student’s academic and other training, contributes to the professional development of that student, and has a first-hand opportunity to evaluate the student’s potential for future employment.

If your organization would like to list an internship opportunity on our web site, please complete the form at [www.amstat.org/education](http://www.amstat.org/education). Interested students will be informed directly of the contact and location you list.

Additional internships will be posted as received at [www.amstat.org/education](http://www.amstat.org/education). Contact Rebecca Nichols at (703) 648-1221, Ext. 1877, or [educationinfo@amstat.org](mailto:educationinfo@amstat.org). If you have any questions.

**Abbott**
Abbott Park, Illinois

*Number of Positions:* Multiple

*Type of Student:* MS or PhD in statistics or biostatistics

*Deadline:* February 1, 2009

The Clinical Statistics Department within Global Pharmaceutical Research and Development at Abbott anticipates having internship positions available for the summer of 2009. Internships will begin in May/June and are typically 10–12 weeks in duration, with housing provided to qualified applicants. During this time, you will be provided with practical hands-on experience and given an opportunity to build your understanding of the pharmaceutical industry and of Abbott. The successful candidate will be assigned specific projects in support of one of our Global Project Teams and work under the guidance of a senior statistician (mentor) to perform statistical analyses of data from clinical trials and/or conduct statistical research in areas of interest to the Clinical Statistics Department. The successful candidate also may have the opportunity to participate in statistical seminars and workshops. At the conclusion of the internship, the intern is expected to give a presentation summarizing some aspect of their work while at Abbott. Applicants must be enrolled in a graduate-level curriculum leading to an MS or PhD in statistics or biostatistics, have completed at least one full year of study, be in good academic standing within their graduate program and overall at their university, and continue to be enrolled in graduate school the fall semester following the potential internship. In addition, applicants must demonstrate excellent communication, teamwork, and problem-solving skills.

*Contact:* Use our online Career Center at [www.abbott.com](http://www.abbott.com). Click on Careers, Job Search, and enter Keyword 59709BR.

**ACT, Inc.**
Iowa City, Iowa

*Number of Positions:* Up to 10

*Type of Student:* Doctoral student enrolled in statistics, measurement, educational, or quantitative psychology or related doctoral program at an institution in the United States

*Deadline:* February 13, 2009

ACT conducts an eight-week summer internship program for outstanding doctoral students interested in careers related to assessment and educational studies. The 2009 program will run from June 8
to July 31 at ACT’s headquarters in Iowa City, Iowa. The summer internship program provides interns with practical experience through completion of a project, seminars, and direct interaction with professional staff responsible for research and development of testing and intervention programs. The focus of projects is analysis of real or simulated data in areas such as equating, computer-based testing, validity, test theory, and score reporting. Information and application materials are available at www.act.org/humanresources/job/intern.html. Interns are provided a $5,000 stipend, plus reimbursement for round-trip transportation costs. A $1,000 supplemental housing allowance is available for applicants living outside a 50-mile radius. An additional program objective is to increase representation of women and minority professionals in measurement and related fields. ACT is an Equal Opportunity Employer and values diversity in people and ideas.

**Contact**: Mark Larson, Human Resources Dept., ACT, Inc., 500 ACT Drive, P.O. Box 168, Iowa City, IA 52243-0168; (319) 337-1763; (319) 341-2450 (fax); working@act.org

**American Association for the Advancement of Science**

Washington, DC

**Number of Positions**: 15-20

**Type of Student**: Senior undergraduate, graduate, and postgraduate students

**Deadline**: January 15, 2009

Increase your science communication skills as a science journalist. AAAS Mass Media Science and Engineering Fellows work for 10 weeks during the summer at mass media sites nationwide, including the Los Angeles Times, Chicago Tribune, and NPR. Fellows use their academic training in the sciences as they research, write, and report today’s headlines, sharpening their abilities to communicate complex scientific and technical issues to the public. Applicants must be enrolled as college or university students in mathematics or the natural, physical, health, engineering, computer, or social sciences. Students enrolled in English, journalism, science journalism, or other non-technical fields are not eligible. A $5,000 stipend plus travel expenses. Visit www.aaas.org/education/MAF/Media for an application and more information.

**Contact**: Stacey Pasco, Manager, Mass Media Program, 1200 New York Ave., Room 608, Washington, DC 20005; (202) 326-6441; (202) 371-9849 (fax); spasco@aaas.org

**Amgen Inc.**

Thousand Oaks and San Francisco, California; Seattle, Washington

**Number of Positions**: Multiple

**Type of Student**: PhD

**Deadline**: February 28, 2009

Interns will work closely with a senior-level statistician on topics related to the design and analysis of clinical trials and/or nonclinical research. Amgen research and development uses science and innovation to dramatically improve people’s lives in various therapeutic areas, including oncology, nephrology, bone metabolism, and inflammation. At the conclusion of the internship program, interns will give a presentation summarizing their work. Applicants must be a current PhD student who has completed one year of PhD work in biostatistics or statistics as well as a master’s degree in biostatistics or statistics. Additionally, proficiency in SAS or S-Plus on either a UNIX or NT platform is preferred. As an EEO/AA M/F/D/V employer, Amgen values and encourages diversity in the workplace.
To apply, visit www.amgen.com, click on the Careers link, select Job Search, and then enter NB5035738 in the search field. You may also search by selecting Career Category > College Job.

**Contact:** Amgen Inc., University Relations Department, One Amgen Center Drive, 19-1-A, Thousand Oaks, CA 91320; collegeprograms@amgen.com

Arkansas Children’s Hospital, Department of Pediatrics, University of Arkansas for Medical Sciences
Little Rock, Arkansas

**Number of Positions:** 1–2
**Type of Student:** Graduate
**Deadline:** February 28, 2009

Summer interns will work with biostatisticians and clinical investigators to provide statistical expertise in the design, evaluation, and analysis of research studies. Arkansas Children’s Hospital (ACH) is one of the largest pediatric health care centers in the nation and the only facility in Arkansas dedicated exclusively to children. Stretching along the Arkansas River, Little Rock is truly a wonderful place to live, work, and play. The city continues to be a vibrant and growing community that still retains a small-town charm. As the capital of Arkansas, Little Rock remains the state’s major area for government, finances, and health care. The city has numerous parks, golf courses, and outdoor activities. Whether an applicant will be offered a position will depend on ACH’s need and funding and the applicant’s qualifications. To apply, send an undergraduate and graduate transcript, résumé, and cover letter to the contact below. For more information about ACH, visit www.ach.uams.edu.

**Contact:** Maria A. Cleves, Arkansas Children’s Hospital Department of Pediatrics, University of Arkansas for Medical Sciences College of Medicine, 1120 Marshall Street, Slot 512-40, Little Rock, AR 72202; (501) 364-5001; (501) 364-5107 (fax); ClevesMariaA@uams.edu

Boehringer Ingelheim Pharmaceuticals
Ridgefield, Connecticut

**Number of Positions:** 4
**Type of Student:** PhD as close as possible to graduation
**Deadline:** April 30, 2009

Interns will provide support to the statistical group as needed. Can include writing TSAP, QC, programming, literature review, and implementation of technical statistical analyses. The internship will run the first week of June until mid-August.

**Contact:** Christopher Kyle, 900 Ridgebury Road, Ridgefield, CT 06877; (203) 798-5152; (203) 778-7731 (fax); intern@boehringer-ingelheim.com

Department of Health and Human Services/ National Institutes of Health/National Cancer Institute
Bethesda, Maryland

**Number of Positions:** 2
**Type of Student:** Graduate students in statistics or biostatistics
**Deadline:** March 1, 2009

The Division of Cancer Prevention of the National Cancer Institute offers unpaid clinical trials research training internships for outstanding statistics and biostatistics students who have a strong interest in both clinical trials and methodological research. Each intern will select a research project from any of the areas of active research interest of the preceptor and work with the preceptor to design the project into a paper that can be published (with the intern as a coauthor). In the past, interns have worked on projects dealing with ordered categorical data, methodologic aspects of prostate cancer screening trials, improved methods of randomization, and methods to control selection bias in randomized trials. Other research interests include endpoint selection (including the validation of surrogate endpoints) and nonparametric covariate adjustment. In some cases, interns may be able to suggest a suitable research project on which to work. The hours are flexible to allow the intern to also work at a paying job, and interns enjoy the benefits of access to the world-class NIH library. Interns also are free to attend lectures presented by cutting-edge researchers on and around the NIH campus. The strongest consideration will go to those candidates who familiarize themselves with at least some of the aforementioned work and mention this in their cover letter. The DCP/NCI/NIH/DPHHS

**Contact:** Vance Berger, 6130 Executive Boulevard, MSC 7354, Bethesda, MD 20892-7354; (301) 435-5303; (301) 402-0816 (fax); rb78c@nih.gov

Eli Lilly and Company
Indianapolis, Indiana

**Number of Positions:** 4–6
**Type of Student:** MS or PhD in statistics or biostatistics with two years of completed graduate work
**Deadline:** January 31, 2009

The Global Statistical Sciences Division of Eli Lilly and Company anticipates having several internship positions available for the summer of 2009. The internships start in either May or June and last 12 weeks. We will provide you with practical experience and give you the opportunity to build your understanding of the pharmaceutical industry and Eli Lilly and Company during your internship. An ideal candidate would have strong SAS programming skills. Additional preferences/skills include demonstrated leadership and ability to influence; excellent communication, teamwork, and interpersonal skills; strong problem solving skills; creativity and innovation; and self-management skills. Successful candidates will...
be assigned specific projects to work on under the guidance of a senior statistician/research scientist (mentor) in one of our varied research areas. To apply for this position, visit www.lbl.gov/careers and apply for Job ID 16391.

Energy Information Administration, U.S.
Department of Energy
Washington, DC

Number of Positions: Opportunities exist in 8 program offices, depending on the need
Type of Student: Undergraduate, graduate
Deadlines: January 15, 2009, for the spring semester; March 15, 2009, for the summer; August 1, 2009, for the fall semester

The Energy Information Administration provides policy-neutral data, forecasts, and analyses to promote sound policymaking, efficient markets, and public understanding regarding energy and its interaction with the economy and environment. While all majors are considered for these internships, we generally prefer students with backgrounds in mathematics, statistics, economics, operations research, and engineering—especially those who have taken courses in regression and linear modeling, exploratory data analysis, programming, and econometrics. Opportunities also exist for web design/development. U.S. citizenship is required. Duties will vary depending on the assignment, the program office, and the student. For instance, some interns may analyze the effects of proposed energy legislation or explore and analyze trends in energy markets. Required application materials include a résumé with cover letter, transcripts, and the days and times available. A salary or stipend is available. Work schedule hours will be at least 40 hours per week (negotiable) for spring semester, summer, and fall semester.

Contact: careers@eia.doe.gov 1000 Independence Ave., SW, Washington DC 20585; www.eia.doe.gov

ESPN
Bristol, Connecticut

Number of Positions: Multiple
Type of Student: All students
Deadline: Year-round internships available

If statistics, story lines, and news headline writing and editing are a big part of your sports game, then the Stats and Information Group is the place for you. We are a pressure-packed, exciting work environment specializing in information dissemination across ESPN. Our product is seen across multiple platforms—television, ESPN.com, ESPN The Magazine, and ESPN Mobile Publishing. Candidates must be passionate about sports and statistics; in fact, they should possess elite-level sports knowledge. Strong communication skills are necessary, as is an affinity for detail. Accuracy is essential. Candidates must thrive under deadline and be willing to work nontraditional hours (nights, weekends, and holidays). We frequently have openings for all levels of experience. If you would like to join a company with a broadcast portfolio that includes more than 40 national and international business entities, we have room on the team for one more. If you're interested in an internship or full-time position, email a copy of your résumé to Samantha Rudolph at Samantha.T.Rudolph@espn.com and create a profile at www.espn.com/joinourteam.

Contact: Samantha Rudolph, Stats & Information Group; (860) 766-6570; samantha.t.rudolph@espn.com

Ewing Marion Kauffman Foundation
Kansas City, Missouri

Number of Positions: Multiple
Type of Student: Undergraduate or graduate student with a strong grade point average and focus in economics, finance, law, public policy, or other social science
Deadline: TBD

The Ewing Marion Kauffman Foundation seeks summer interns for our Research and Policy team. The foundation promotes research and policies that initiate and grow innovative, sustainable enterprises and improve the academic achievement of children. As an intern, you will work closely with members of the Research and Policy team to accomplish their objectives. Specific job responsibilities may include analyzing performance requests by the vice president of research and policy, director of entrepreneurship, and other research staff; compiling basic descriptive statistics and assisting in data analysis of medium and large data sets; completing specific research projects and producing summary reports in an independent manner; and assisting with logistical duties, including processing grant proposals on entrepreneurship and organizing conferences and assignments. Applicants should have an interest in entrepreneurship research and policies; exceptional writing, research, and data analysis skills; excellent organizational and project management skills; strong computer skills; knowledge of statistical software packages (preferred, but not required); and a willingness to travel, if necessary.

Contact: Colette Hunt, Human Resources; (816) 932-1018; chunt@kauffman.org

Fannie Mae
Washington, DC

Number of Positions: 12
Type of Student: Spring 2009 graduates (undergrad)
Deadline: March 2009

Fannie Mae will be hiring graduating college seniors for a unique training program. This program will offer selected candidates robust training in SAS programming and an opportunity to develop analytical skills through research assignments and report generation. Participants also will receive training from top PhDs in the industry on applications including Microsoft Office, Unix, Oracle, and SQL. Using these tools and through hands-on experience and interaction with the best professionals in the business, training program participants will gain a strong understanding of the mortgage industry in the areas of automated underwriting, property valuation, and credit pricing. Fannie Mae is seeking students with a variety of majors—including liberal arts, economics, and business—who have an interest in learning and gaining practical training in economic modeling. We are looking for demonstrated academic success with evidence of strong
performance in a technical or mathematical class, research project, or work. Highly motivated, self-starters who can effectively contribute to a team atmosphere and have demonstrated leadership qualities through extracurricular activities should apply. Applicants also should possess superior communication skills and a goals-oriented mindset. No previous computer or business training or experience is required. To learn more about Fannie Mae, visit www.fanniemae.com.

Contact: Jenny Luecking, Campus Recruiter, 3900 Wisconsin Ave., NW, Washington, DC 20016; Mailstop: 1H-GR-03; (202) 752-6734; (202) 752-4934 (fax); jennifer_luecking@fanniemae.com

Geisinger Center for Health Research, Geisinger Health System
Danville, Pennsylvania

Number of Positions: 1
Type of Student: Graduate
Deadline: February 28, 2009

Geisinger Health System is the nation’s foremost rural health care provider, as well as one of the leading fully integrated health care providers. Serving more than 2 million residents throughout central and northeastern Pennsylvania, the physician-led organization is at the forefront of the country’s rapidly emerging electronic health records (EHR) movement. The center is accepting applications for a funded summer graduate internship. The intern will work with experienced statisticians and clinical investigators in the design and analysis of research projects originating from any number of specialty areas, including childhood obesity, weight-loss surgery, autism, stroke, cardiovascular disease, diabetes, hypertension, genomics, overactive bladder, etc. In some cases, the intern may be able to suggest a suitable research project on which to work. The intern will prepare a written report and a brief presentation summarizing the work and forming a permanent record of the intern’s efforts. Qualified candidates must be enrolled in an MS program in statistics or biostatistics and have completed at least two semesters of graduate work by May 2009. The candidate must have a good working knowledge of SAS, good communication skills, and an eagerness to work with real-world data. Start dates and durations are flexible. Housing is available on campus. Applicants should submit a résumé/CV, a cover letter detailing research interests or goals for the internship, and the names and contact information for two references.

Contact: Jerry Foley, Geisinger Center for Health Research, Geisinger Health System, 100 N. Academy Ave., Danville, PA 17822-4400; (570) 214-5529; jfoley@geisinger.edu

Genentech, Inc.
San Francisco, California

Number of Positions: 8–10
Type of Student: Pursuing PhD in statistics, biostatistics, or related field
Deadline: February 6, 2009, but offers may be made earlier

Genentech is a leading biotechnology company that discovers, develops, manufactures, and commercializes biotherapeutics for patients with significant unmet medical needs. Our biostatistics summer interns work for 10–12 weeks under the supervision of experienced biostatisticians on theoretical or applied problems with direct relevance to ongoing clinical or nonclinical drug-development research in oncology, immunology, ophthalmology, and pulmonology. Specific topics range from problems in genomics and, more generally, translational research to late-stage clinical trials. At the end of his/her internship, each student gives a department-wide presentation on their research topic. It is not uncommon for an intern to summarize their work in a peer-reviewed publication. Applicants must be at least 18 years old and legally authorized to work in the United States. In addition, applicants should have a good working knowledge of R, S-Plus, or SAS and have good communication skills. For more information about Genentech, see www.gene.com.

Contact: Please send CV and personal statement of interest to gne2009@gene.com

GlaxoSmithKline Pharmaceuticals, R&D
King of Prussia, Pennsylvania

Number of Positions: 4
Type of Student: Graduate student in statistics or biostatistics
Deadlines: April 15 to start in June 2009; July 15 to start in September 2009; November 15 to start in January 2010

In our student co-op program, students will work with PhD and MS pharmaceutical industry statisticians on experimental design and data analysis projects in a variety of drug discovery and development areas. Positions are available in nonclinical R&D and clinical pharmacology (phase I trials). Positions are targeted for 6–12 months. The length of time and starting dates are negotiable. Some knowledge of SAS and S-plus/R is preferred. Please email a cover letter and résumé with a list of statistics courses taken, including textbooks used.

Contact: Feng Liu, GlaxoSmithKline R&D, 709 Swedeland Road UW2112, King of Prussia, PA 19406; (610) 270-7934; (610) 270-5860 (fax); Feng2.Liu@gsk.com

John Deere Credit
Johnston, Iowa

Number of Positions: 1
Type of Student: Graduate
Deadline: January 31, 2009

John Deere Credit was founded to offer financing solutions to the industries we serve and the customers we know best. John Deere Credit is looking for a credit risk analyst intern in the RISK Management Division. This person will be responsible for analyzing, monitoring, and reporting on portfolio trends and scoring information for the purpose of evaluating and controlling credit risk. We are looking for a student interested in pursuing practical applications of risk tools and skills including statistical modeling, credit scoring, and behavior scoring.

Contact: Melissa Junkins (junkinsmelissa@johndeere.com), Kira Sisson (kirasokirby@johndeere.com), 6400 NW 86th Street, Johnston, IA 50131; (515) 267-4109; (515) 267-4549 (fax)
The Joint Program in Survey Methodology
University of Maryland, College Park, Maryland

Number of Positions: 30
Type of Student: Sophomore or junior undergraduates
Deadline: December 1, 2008 (deadline may be extended)

Each summer, JPSM sponsors the Junior Fellow Program for a limited number of undergraduate students. Successful applicants have paid research assistantships in a federal statistical agency in the Washington, DC, area. They participate in weekly seminars at JPSM and elsewhere in the area on survey methodology and career options in survey research. Throughout the summer, students learn about surveys, statistics, graduate studies, and how government agencies work. The online application is available at www.ipom.umd.edu/jfellow.

Contact: Rupa Jethwa Eapen, 1218 Lefrak Hall, University of Maryland, College Park, MD 20742; (301) 314-7911; (301) 314-7912 (fax); rjeapen@survey.umd.edu

Lansky Consulting LLC d/b/a Precision Bioassay
Burlington, Vermont

Number of Positions: 1–2
Type of Student: Master’s or PhD candidate
Deadline: February 15, 2009, for full consideration

Precision Bioassay consults with industry, academia, and government on biological assay, including design, analysis, development, and validation. Our focus is on statistical methods and their implementation in R, as well as creating effective links between statistical software and laboratory robotics. The successful candidate will participate in data analysis and report writing for consulting projects, statistical research (partially supported by grant funding), and software or assay development and testing. Candidates should have training and some experience with statistical theory (at least likelihood and estimation) and methods, experience with R or S-plus (at least data handling, writing functions, and performing simulations), and some consulting experience. Working familiarity with linear models, nonlinear models, mixed effects models, and strong communication skills (written and oral) are required. Training or experience in one or more of the following areas will be particularly appreciated: design of experiments, biological sciences, biological assay, pharmaceutical industry, laboratory automation, working in a Linux environment, R package development, and web/Python application development. Submit a cover letter, CV, and a short (three pages maximum) description of 1–3 consulting projects. These should include a description of the application area problem, the statistical problem you extracted, how you solved the statistical problem (were there any innovations?), and how the statistical solution resolved the application problem.

Additional information can be found at www.precisionbioassay.com. Inquiries about the content of the work may go to David Lansky (dlansky@precisionbioassay.com) or Carrie Wager (carrie@precisionbioassay.com).

Contact: Please submit application materials to Georgana Little, 257 South Union Street, Burlington, VT 05401; (802) 865-0155; (802) 861-2365 (fax); glittle@precisionbioassay.com

Lubrizol Corporation
Wickliffe, Ohio

Number of Positions: 1–2
Type of Student: Students enrolled in a graduate statistics program
Deadline: February 15, 2009

The Lubrizol Corporation is an innovative specialty chemical company that produces and supplies technologies that improve the quality and performance of our customers’ products in the global transportation, industrial, and consumer markets. The R&D Statistical Sciences Department is seeking applications for three-month summer internships. Typical activities include creating predictive models, designing and analyzing experiments, performing general data analyses, and teaching courses. The group also plays a key role in the development and deployment of a global formulation prediction system known as Q.LIFE. Whereas actual intern duties will depend on the skills of the individual and current needs of the group, some possible areas of involvement include performing data manipulation and analysis, programming of statistical algorithms, and presenting results to clients. A minimum of one year of graduate coursework in statistics is required, along with strong problem-solving, statistical computing, and communication skills. Expertise in SAS/Macro language, JavaScript, and/or MCMC algorithms would be a plus. Apply at www.lubrizol.com.

Contact: Debbie DeRenzo, 29400 Lakeland Blvd., Wickliffe, OH 44092; (440) 347-1044; (440) 347-5317 (fax); debbie.derenzo@lubrizol.com

Mayo Clinic College of Medicine
Rochester, Minnesota

Number of Positions: 6–8
Type of Student: Undergraduate, graduate, PhD
Deadline: February 2, 2009

The Mayo Clinic Division of Biomedical Statistics and Informatics has multiple summer internship opportunities for undergraduate students who have completed their junior year and graduate students at all levels. Internships of six to nine months also may be offered. Interns will work with statisticians and clinical investigators on research projects in areas such as clinical trials, statistical genetics, and bioinformatics. Experience with SAS, S-PLUS, and R is preferred. To apply, send an up-to-date transcript, résumé, and cover letter to the contact below. Applications for longer-term internships or nonsummer internships are accepted throughout the year. For more information, visit www.mayo.edu.

Contact: Erika Wohlfel, Division of Biomedical Statistics and Informatics, Harwick 7, 200 First Street SW, Rochester, MN 55905; (507) 284-8763; (507) 284-9542 (fax); wohlfel.erika@mayo.edu

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The Biostatistics and Research Decision Sciences (BARDS) Department has internships in biometrics research (preclinical biostatistics), nonclinical statistics, clinical biostatistics, statistical programming, health economics, and epidemiology for full-time students pursuing an MS or PhD degree in statistics, biostatistics, economics, or epidemiology. In these internships, students will work closely with an experienced pharmaceutical industry statistician or epidemiologist to perform statistical analysis of data from and/or conduct statistical/epidemiological research related to basic drug research, clinical pharmacology, drug and vaccine development, pharmacogenomics, health economics, or epidemiology. To be considered, students must have completed at least two semesters of graduate work toward an MS or PhD degree in statistics, biostatistics, economics, or epidemiology by May 30, 2009; be returning to school in fall 2009; have effective oral and written communication skills; and have a good working knowledge of SAS, S-Plus, and/or R. Visit www.merck.com/careers/university to create a profile and submit your resume for requisition # STA000481 (statistics/biostatistics/economics) or # STA000482 (epidemiology). A letter of reference from a professor is highly recommended; it may be attached in the same section of the profile as your resume. If applying to STA000481, a professor also may email a reference letter to stat.interna@merck.com. If applying to STA000482, a professor may email a reference letter to epi.interna@merck.com. If the recommendation is sent via email, the subject title of the email must be the applicant’s name and the phrase “Reference Letter” (i.e., “John Doe—Reference Letter”).

National Agricultural Statistics Service
Fairfax, Virginia

Number of Positions: 3
Type of Student: Graduate student (PhD student preferred)
Deadline: May 1, 2009

NASS is the principal data collection and estimation arm of the U.S. Department of Agriculture. The agency designs and conducts a variety of surveys focusing on agricultural output and farm conditions, from which it produces a wide range of official estimates. It also makes numerous crop production forecasts. Intern positions are in the Research and Development Division, which is constantly trying to improve and enhance the agency’s abilities to estimate and forecast accurately using the latest developments in mathematical statistics, cognitive science, and remote sensing. Applicants must be U.S. citizens. Preference will be given to candidates having an interest in a future career with the agency.

Contact: Dale Atkinson, National Agricultural Statistics Service, 3251 Old Lee Highway–Room 305, Fairfax, VA 22030-1504; (703) 877-8054; (703) 877-8042 (fax); dale.atkinson@nass.usda.gov

National Security Agency
Fort Meade, Maryland

Number of Positions: Multiple
Type of Student: Undergraduate
Deadline: Applications are accepted August 1 through October 31 each year

The Mathematics Summer Employment Program runs from the end of May through the middle of August and is open to students majoring in mathematics, Computer science majors with either a minor in math or a strong math curriculum also may apply. These programs afford the opportunity to “earn while you learn” by providing hands-on experience during a 12-week paid work assignment. Assignments are based on the student’s experience and academic status. These intense 12-week programs give the brightest math students in America’s colleges and universities the chance to put their problem-solving skills to the test while receiving valuable work experience. Students participating in the programs have the opportunity to learn and develop cryptomatheamtical theory. Applicants must be U.S. citizens. Visit www.nsa.gov/Careers for more information.

Contact: National Security Agency, Arl: R1 (DSP/MSEP/GMP), 9800 Savage Road, Suite 6515, Ft. George G. Meade, MD 20755-6515; (301) 688-0983; (301) 688-0689 (fax); math@NSA.gov

Novartis Oncology
Florham Park, New Jersey

Number of Positions: 4
Type of Student: At least 18 months of graduate work (also see below)
Deadline: February 22, 2009

The internship program will be approximately 12 weeks in duration (May-August, but dates are flexible). Interns will work with senior-level statisticians and focus on statistical research in both early clinical development using biomarkers and full clinical development in oncology. Topics include survival analysis, Bayesian methods, analysis of missing values, modeling, and simulation. Candidates must be graduate students within an MS or PhD program in biostatistics, statistics, or a related degree with at least 1.5 years of graduate work; have a working knowledge of SAS, including SAS/GRAPH and S-Plus; and have good verbal and written communication skills.

Contact: Linda Finelli and Bryna Caughey, 1 Health Plaza, E. Hanover, NJ 07936; (862) 778-7404 (Linda), (862) 778-1254 (Bryna); (973) 781-2703 (fax); Linda.finelli@novartis.com, Bryna.caughey@novartis.com

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Pfizer Global Research and Development
Midwest (Kalamazoo and St. Louis); La Jolla, California; and Groton/New London, Connecticut

Number of Positions: 1–2 in Midwest, Multiple in La Jolla and Groton/New London
Type of Student: Students enrolled in a graduate-level curriculum leading to an MS or PhD in statistics, biostatistics, or a closely related field
Deadline: January 31, 2009

The program will consist of up to 480 hours of work at the Pfizer Global Research and Development facilities in Kalamazoo, St. Louis, La Jolla, or Groton/New London, commencing as early as April and ending as late as December. The intern's project will be biopharmaceutically oriented, with one-on-one supervision by a senior staff statistician. The project will be a hands-on learning experience involving both statistical and related data review and data transformation programming tasks. Programming tasks will involve the use of SAS, R, and/or other statistical software on the UNIX or NT platforms. The intern will prepare a written report and give a brief presentation summarizing the work and forming a permanent record of the intern's efforts.

Contact: Liqiang Yang, Pfizer Global Research and Development, La Jolla Laboratories, 10777 Science Center Drive, CB10-2332, San Diego, CA 92121; (858) 678-8276 (fax); liqiang.yang@pfizer.com

Rice University Summer Institute of Statistics
Houston, Texas

Number of Positions: 17
Type of Student: Undergraduate
Deadline: February 28, 2009

Students with a mathematics, statistics, physics, or engineering background who have taken the calculus sequence and a course in linear or matrix algebra are encouraged to apply. The program starts with an intensive course in probability and statistics for four weeks. Students learn to use R, Mathlab, Mathematica, and LaTeX. In addition, topics on survival analysis, statistical genetics, stochastic processes, and extreme value theory are introduced as a basis for research projects students engage in during the last six weeks of the program. Students are encouraged to present their work at national meetings. The program pays $3,750 for 10 weeks and up to $500 for travel expenses and to from the student's home institutions. In addition, the program subsidizes a good portion of the summer rent. During the summer of 2009, students will spend at least a week in Mexico at the Center for Mathematical Research in Guanajuato. Students will need to have the necessary paperwork to travel to and from Mexico. Expenses will be covered. Visit www.stat.rice.edu/~jrojo and www.stat.rice.edu/~jrojo/RUSIS.

Contact: Javier Rojo, Statistics Department, MS-138, Rice University, 6100 Main Street, Houston, TX 77005; (713) 348-2797; (713) 348-5476 (fax); jrojo@rice.edu

sanofi-aventis
Malvern, Pennsylvania

Number of Positions: 5
Type of Student: PhD
Deadline: January 31, 2009

The Biostatistics and Programming Department has several 2008 internship positions for students enrolled in a PhD statistics/biostatistics program. These positions are located in Malvern, Pennsylvania, and Bridgewater, New Jersey, and have flexible start dates and durations. Interns will work under the direction of experienced statisticians in study design and data analysis in nonclinical and clinical areas and in the conduct of statistical methods research for drug development. Requirements include effective communication skills, a good working knowledge of SAS, and completion of at least two years of graduate coursework.

Contact: Fred Snikeris, sanofi-aventis, 9 Great Valley Parkway, Malvern, PA 19355; (610) 889-8815; (610) 889-6932 (fax); GV-biostat-interns@sanofi-aventis.com

SAS Institute
Cary, North Carolina

Number of Positions: 1
Type of Student: PhD students studying in the United States who will have completed at least two years of graduate work by the end of spring semester 2009
Deadline: February 1, 2009

Open to doctoral candidates in statistics, biostatistics, and related graduate departments in the United States, the SAS Summer Fellowship offers the opportunity to work closely with professional statisticians who develop software used throughout the world. The statistical fellow will contribute to research, numerical validation and testing, and documentation. The program provides the graduate student with an excellent opportunity to explore software development as a career choice. Eligible candidates must have demonstrated experience in statistical computing beyond the routine classroom use of statistical packages. We are particularly interested in candidates with a combination of computational and research experience in one of the following areas: Bayesian computing, nonparametric regression, survey research methods, survival analysis, variable selection, cluster analysis, and reliability analysis. The program provides a salary and stipend for a 12-week internship at SAS headquarters in Cary, North Carolina, during the summer of 2009. For details, visit www.sas.com/gwedutech/programs/staffellow.html.

Contact: Maura Stokes, SAS Institute, SAS Campus Drive, Cary, NC 27513; staffellow@sas.com
Significant Opportunities in Atmospheric Research and Science (SOARS)—UCAR
Boulder, Colorado

**Number of Positions:** 8  
**Type of Student:** Undergraduate  
**Deadline:** February 1, 2009

(SOARS) is a paid summer internship program for students interested in the atmospheric and related sciences. The program provides up to four years of paid summer research, mentoring, community support, and funding for undergraduate and graduate education. Students from many disciplines are invited to apply their expertise to understanding the Earth's atmosphere and to use that understanding to improve life. SOARS seeks to involve more students from historically under-represented groups in the sciences, including African-American, American Indian or Alaska Native, Hispanic or Latino, female, students with disabilities, and first-generation college students. Protégés work with a team of scientists at the National Center for Atmospheric Research and partnering laboratories on a project matched to their interests and skills. They perform original research, prepare a scientific paper, and present their research at a colloquium. Housing in Boulder and transport to and from Boulder is provided.

**Contact:** SOARS Office, P.O. Box 3000, Boulder, CO 80305; (303) 497-8622; (303) 497-8629 (fax); soars@ucar.edu; www.soars.ucar.edu

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Travelers Insurance
Hartford, Connecticut

**Number of Positions:** 12–16  
**Type of Student:** Graduate  
**Deadline:** January 15, 2009

Travelers Insurance is offering summer internships that will allow students to apply statistical techniques to real business problems. Students will work with the research and statistical modeling staff engaged in data mining, predictive modeling, and other actuarial research applying advanced statistical tools. Interns will use SAS and other software tools to retrieve and summarize data in preparation for analysis. They will perform statistical analyses using statistical software and be expected to interpret the results, identify significant outcomes, and produce reports to explain findings. Effective communication skills and the ability to work as part of a modeling team are critical. The types of business problems considered may include analyzing the profitability of individual customers, finding marketing opportunities, identifying fraudulent claims, and predicting ultimate costs of insurance claims. The fourth-largest publicly held property and casualty insurance company (#93 on Fortune 500) and boasts one of the largest research and development teams in the industry. For the second year in a row, Travelers has been named by Business Week as one of the "Best Places to Launch a Career."

**Contact:** Submit application to http://travelers.com/corporate-infra/careers/index.aspx and use Job Opening ID 787279

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U.S. Census Bureau
Suitland, Maryland

**Number of Positions:** Multiple  
**Type of Student:** BS/BA/MS/MA/PhD  
**Deadline:** Continuous

The U.S. Census Bureau has several summer and cooperative education positions for candidates interested in producing our nation's official economic and demographic statistics. Interns/co-ops may work on a variety of applications, including survey design and analysis, evaluation of non-sampling errors, and coverage and measurement error and analysis. These positions require excellent communication and interpersonal skills and knowledge in one or more of the following areas: sampling techniques, experimental design, times series analysis, regression analysis, linear models, exploratory data analysis, statistical inference, statistical analysis, statistical computing, and applied probability. U.S. citizenship is required. The U.S. Census Bureau is an Equal Opportunity Employer. To apply, visit www.census.gov. Click on Jobs@ Census and go to Student and Research Opportunities. Choose either Student Career Experience Program or Student Temporary Employment Program.

**Contact:** Katherine Clements, Human Resources Division, U.S. Census Bureau, 4600 Silver Hill Road, Washington, DC, 20233; (301) 763-3371; (301) 763-4706 (fax); katherine.Clements@ census.gov

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Wyeth
Cambridge, Massachusetts; Collegeville, Pennsylvania; Pearl River, New York

**Number of Positions:** 5  
**Type of Student:** Statistics/biostatistics graduate students (at least two years of completed graduate work required)  
**Deadline:** March 1, 2009

The program will be 10 to 16 weeks, commencing as early as April and ending as late as December. The internship project will be related to either preclinical or translational medicine or clinical statistics. The intern will receive one-on-one supervision from an experienced statistician in the pharmaceutical industry. The projects will include hands-on learning of the typical responsibilities of a statistician working in biopharmaceuticals and include a research-focused project. At the completion of the internship, interns will present a summary of their work to the biostatistics group. Applicants must have completed at least two semesters of graduate work in statistics; more is preferred. In addition, applicants should have working knowledge of SAS, S-plus, or other statistical software and good communication skills.

**Contact:** Apply online at http://wyeth.recruitment.com/main/careerportal/login.cfm and use Keyword Search: 22491. For more information, visit www.wyeth.com.