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## EMPLOYMENT OPPORTUNITY

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### SR. STATISTICIAN

The UCLA Center for Health Policy Research (the Center) has an outstanding opportunity for senior statistician. The Center, which was established in 1994, is based in the School of Public Health and is the premier source of health policy information for California. The Center is one of the nation's leading health policy research centers and the premier source of health policy information for California.

#### **Responsibilities:**

The senior statistician will work under the general supervision of the Director, Statistical Unit for the UCLA Center for Health Policy Research (Center), the Senior Statistician will perform methodology research, statistical support and analyses for research projects, data processing, data imputation, data file development and production for California Health Interview Survey (CHIS) data. The incumbent will conduct independent consultation with department representatives and principal investigators in the planning and implementation of major study projects; advise principal investigators on appropriate experimental designs and statistical tests in order that valid conclusions can be obtained; plan statistical analysis for research projects where designs are made complex by the numbers and kinds of variable number of levels of variables and/or interactions or relationships between variables consult with researchers to derive understanding of the hypotheses and experimental approaches; decide appropriate statistical analyses; develop mathematical models; and write and revise programs and macros for analysis as necessary using SAS, R, and other software such as Stata, SUDAAN, etc. Incumbent may participate in planning meetings with representatives of cooperating institutions for purposes of identifying and communicating necessary statistical approaches to meet research objectives. The incumbent will research and develop methods for measuring and analyzing health outcomes and evaluating efficacy of health programs. The Senior Statistician will prepare research manuscripts for publication and write research grants to obtain internal/external funding.

#### **Qualifications:**

- Ability to create and use statistical algorithms to answer complex research questions.
- Expertise in statistical analyses including generalized linear model, multilevel modeling, data mining, survey methodology and Bayesian influences.
- Ability to conduct power calculations to determine sample size needed to answer research questions.
- Demonstrated ability to work with large data sets using statistical software packages (SAS, R, SPSS, STATA, etc.)
- Demonstrated knowledge and experience in creating confidential and public analytical survey

files including survey data quality control and augmentations.

- A doctorate degree in quantitative methods, statistics or a related field and one year relevant work experience.
- Demonstrated collaborative research and statistical consulting.
- Demonstrated ability work independently to perform tasks, investigate and solve problems.
- English communication skills to effectively communicate in oral and written form with all levels of people including Principal Investigators, Project Managers, co-workers of equal stature, and subordinate staff.
- Track record demonstrating ability to publish and present research.
- Demonstrated ability to use computing systems in a network environment. Proficiency with Microsoft Windows software including: Word, Excel, and database programs. Familiarity with the world-wide-web as an information resource.
- Demonstrated ability to adapt to changing priorities and circumstances while maintaining professional demeanor.
- Demonstrated organizational skills to set-up tracking systems, prioritize job duties, and track each assignment to a satisfactory completion.
- Demonstrated knowledge and experience in the specialized area of Geographic Information System (GIS).
- Demonstrated ability and experience in the integration and analysis of very large data sets from multiple sources such as surveys, the census, administrative data files.
- Demonstrated ability to be detail oriented and work with high degree of accuracy.
- Demonstrated knowledge of general programming language (Python or similar) and experience with UNIX/LINUX.

**Other Details:**

Full-time, Career position. Salary: \$5,325 - \$10,533. Salary commensurate with experience. Excellent benefits. Equal Opportunity Employer.

**How to Apply:** <https://hr.mycareer.ucla.edu> search for Requisition #30202.