

Biostatistician
California University of Science and Medicine

Direct Link: <https://www.AcademicKeys.com/r?job=228957>

Downloaded On: May. 9, 2024 6:40am

Posted Jan. 16, 2024, set to expire May 19, 2024

Job Title Biostatistician
Department Department of Medical Education
Institution California University of Science and Medicine
Colton, California

Date Posted Jan. 16, 2024

Application Deadline Open until filled
Position Available immediately
Start Date

Job Categories Lecturer/Instructor
Assistant Professor

Academic Field(s) Public Health & Epidemiology
Medical Informatics & Clinical Epidemiology

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Job Description

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Title: Biostatistician

FLSA Status: Exempt

Department Name: Department of Medical Education

Supervisor: Director of Research and the Chair of the Department of Medical Education

Our University

The California University of Science and Medicine was founded to help overcome the health disparities experienced by the diverse populations of San Bernardino and Riverside Counties in southern California. The Inland Empire is a medically underserved area ranking in the lower half of all counties in California for physicians per capita. The university strives to recruit students who are from the area and will serve this area upon graduation. The building contains numerous labs, lecture halls, faculty offices, student areas, and an Info Commons space for mostly digital access to references and resources.

The Department of Medical Education

The Department offers a Masters degree in Biomedical Sciences as well as a Doctor of Medicine degree. There are 60 students per year in the Masters program and 130 students per year in the MD program. The faculty consists of basic science and clinical instructors, with nearly all of those instructors having terminal degrees. The basic science faculty, clinicians, and students are engaged in research and scholarly activities.

Our faculty are committed to utilizing effective and novel evidence-based teaching strategies to produce excellent, caring, and service-oriented physicians. We serve an ethnically and socioeconomically diverse student population. Faculty are extremely supportive of one another and strive to create a collegial, diverse, equitable, and inclusive working environment. The Department has dedicated research and clinical faculty in house as well as over 350 community-based faculty with clinical practices in the surrounding area.

Position Purpose

The Biostatistician is a member of the CUSM Faculty. Their primary responsibilities are dedicated to training students in the basics of statistical theory, biostatistical and bioinformatics methods in planning studies, conducting analyses, and writing reports, the interpretation of numeric data for scientific

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inference in studies in medicine and public health, and the ability to collaborate and communicate effectively with scientists in related disciplines. Application areas include observational studies, clinical trials, computational biology and quantitative genomics, medical and public health research, among other areas.

In addition to teaching responsibilities the Biostatistician will provide support to students and faculty in these areas as well. They will also work with faculty, research staff, and students to perform statistical analyses and other tasks to support qualitative and quantitative data collection, analyses, and reporting for research projects and scholarly activity. The successful candidate will also advise and/or mentor students in individual or group research projects in the various research programs available in our curriculum.

Information provided below is a general description of responsibilities; it is not intended to provide an all-inclusive list of responsibilities and may change depending on the needs of CUSM.

Teaching responsibilities

- Teach Masters and medical students the principles of statistics, research methods, tools, and data mining skills
- Provide research support services for faculty and students research needs and assist them in quantitative and/or qualitative research projects related to both basic science and clinical disciplines
- Work with the faculty and students on the statistical methods and analysis for their research activities addressing strategies and methods to generate research questions and build scientific hypotheses from research data sets.
- Contribute to educational activities related to teaching of basic statistical principles, procedures, data collection/management, and software training.
- University service work includes serving on committees, mentoring and advising students, overseeing student research activities, and other service as required
- Play a key role in the evaluation of assessment tools

Other Essential Responsibilities

- Build and support collaborative relationships with individuals in different disciplines and serve as statistics expert for research teams, internal and external committees, and collaborators.
- Assists in the preparation of clinical trial documents and reports, protocols, investigator brochures, scientific abstracts, peer-reviewed manuscripts, and responses to requests from regulatory agencies, CUSM Institutional Review Board, and grant reports to funding agencies

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when applicable.

- Conduct and participate in research within the Department of Medical Education and clinical sites
- Design studies using advanced statistical methods to answer questions of public health using a mixture of institutional clinical data and large nation-wide datasets
- Generate and interpret statistical outputs through presentations, reports, figures, and tables
- Performs miscellaneous job-related duties as assigned.

We are especially interested in qualified candidates who can contribute, through their research, teaching, and service, to the diversity and excellence of the academic community.

This is a full-time position. Rank and salary will be determined through educational preparation and experience.

Skills and Abilities

- Knowledge of scientific approach and methodologies.
- Knowledge and understanding of the principles, concepts, methods, and standards of statistical research.
- Knowledge and understanding of public health epidemiology and measures of risk pertinent to community health.
- Knowledge of both quantitative and qualitative research techniques.
- Ability to apply a range of advanced statistical techniques in support of scientific research studies and/or experiments.
- Ability to collect, manage, and process computer data and to format and generate reports.
- Ability to consult with scientific investigators, interpret research requirements, and determine statistical analysis strategies.
- Ability to analyze, interpret, and draw conclusions from complex statistical information.
- Knowledge of R, SPSS, SAS programming and/or other statistical software.
- Excellent time management skills and ability to prioritize projects.
- In-depth knowledge and understanding of probability and medical statistics theory.
- Strong focus and quality and timely delivery of work

Desirable Skills

- Knowledge of current and emerging trends in advanced statistical analysis for scientific application.
- Knowledge of scientific reporting and manuscript preparation requirements and standards.
- Ability to work in a team environment to design, analyze, and report on research projects.

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- Strong analytical communication, critical thinking and problem-solving skills.
- Ability to plan, create, program and manage complex statistical databases.
- Ability to provide technical guidance and leadership to professional personnel in area of expertise.
- Knowledge of data management principles and regulatory requirements for clinical trials and medical research.

Minimum Requirements

- Master's degree in Public Health, Biostatistics, Epidemiology, or similar discipline; at least 3 years of experience directly related to the application of Biostatistics and Epidemiology to Basic Science and/or Medicine
- Completed degree(s) from an accredited institution that are above the minimum education requirement may be substituted for experience on a year for year basis.
- Expertise in statistical software such as R, SPSS, SAS, or other statistical software programs.
- Documentation of relevant scholarly and research activity

Desirable Qualifications

- Teaching experience in the health professions
- PhD in Biostatistics
- Familiarity of the Family Educational Rights and Privacy Act (FERPA) (20 U.S.C. § 1232g; 34 CFR Part 99). This law applies to all schools that receive funds under an applicable program of the U.S. Department of Education

Salary

The expected base pay for this position is:

Instructor: \$85,000/year

Assistant Professor: \$100,000/year

Salary may vary based on faculty rank, the scope of the position, and qualifications of the applicant. In addition to salary, CUSM offers a comprehensive benefits package and professional development funds.

Working Environment

- General Office Environment

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Physical Demands

- Occasional lifting, carrying, bending, pushing and/or pulling.
- Significant fine finger dexterity
- Sitting – 50%
- Walking – 25%
- Standing – 25%

SARs-CoV-2 (Covid-19) Vaccination:

Proof of full vaccination and one booster of SARS-CoV-2 (COVID-19) is a condition of employment or, if applicable, submit a request for Exception (based on Medical Exemption, Disability, and/or Religious Objection.)

EEO/AA Policy

California University of Science and Medicine (CUSM) supports the principles of equal opportunity, inclusion and diversity in employment and education. The University seeks to ensure that no person will encounter discrimination in employment or education on the basis of age, color, disability, sex, national origin, race, religion, sexual orientation, or veteran's status. This policy is applicable to both the employment practices and administration of programs and activities within the University. It is the policy of the University that no person shall be excluded from the participation in, be denied the benefits of, or in any way be subject to discrimination in any program or activity at the University.

California University of Science and Medicine (CUSM) applies this commitment to all employment and educational practices, including but not limited to, recruitment of and students, admissions, hiring and training procedures, advancement and retention policies, and curriculum/course materials. More specifically, CUSM is committed to diversification of all its internal divisions by race and gender. This commitment stems not only from legal and moral considerations, but also from a conviction that an institution of higher learning is enriched by the presence of diversity and that narrow cultural biases serve to limit rather than enhance the teaching, research, and service functions which are the hallmarks of CUSM's mission.

Compliance with this Diversity and Equal Employment Opportunity Policy is the responsibility of all administrators and others whose duties are related to any personnel decisions regarding employees

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and students. Further, it is the University's obligation to fully participate in the implementation of all applicable federal, state and local laws dealing with nondiscrimination.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Human Resources
California University of Science and Medicine
1501 Violet St
Colton, CA 92324

Contact E-mail careers@cusm.org