Class Concept

Positions in this class provide consultative and highly technical statistical work in the evaluation and analysis of program data for an agency in the State. Positions provide statistical expertise and support for an agency or program with widely varying and numerous reports and data demands of a complex nature. Positions function with independence within very general guidelines and either initiate studies or work from broad goals and objectives to conduct studies. Study design analyses, procedures, and conclusions are the responsibility of the positions. Consequence of error in studies may be great, since program or project direction may result from the conclusions of significance or trends. Completed or draft studies are reviewed in terms of subject matter, correctness of interpretation, and conformance to agency policy; statistical aspects of work are reviewed by other statisticians reading published works or at the request of the statistician.

Recruitment Standards

Knowledge, Skills, and Abilities

- Thorough knowledge of the methods of statistical research and the use of information; and of research and investigative methodology, its application to problems, and the presentation of results.
- Considerable knowledge of statistical software
- Ability to initiate, develop, and design research projects; to apply statistical principles and methods in the evaluation of problems; and to analyze statistical data and to explain findings effectively in oral, written, or graphic form.
- Ability to coordinate and review the work of others; and to establish and maintain effective working relationships with associates, managers, other agencies, and the public.

Minimum Education and Experience

Doctoral degree in statistics, mathematics, data science, data analytics, psychometrics or measurement and evaluation from an appropriately credited institution; or

Master's degree in statistics, mathematics, data science, data analytics, psychometrics or measurement and evaluation from an appropriately credited institution including Doctoral course work and experience equal to two years in study design and data analysis; or

Bachelor’s degree in statistics, mathematics, data science, data analytics, psychometrics or measurement and evaluation from an appropriately credited institution and four years of experience in study design and data analysis; or an equivalent combination of education and experience.

Note: This is a generalized representation of positions in this class and is not intended to identify essential functions per ADA.