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Mathematical Statistician 09

GS-1529-09

NOTE: THE SENTENCE IN PART I DESCRIBING THE PURPOSE OF THE POSITION AND PARTS II AND III IN THEIR ENTIRETY ARE PERMANENT PARTS OF THE LIBRARY AND MAY NOT BE CHANGED OR EDITED IN ANY WAY.

I. INTRODUCTION

This position is located in

This is an advanced mathematical statistician trainee, involved in applying mathematical methods and techniques to assigned projects and programs.

II. MAJOR DUTIES AND RESPONSIBILITIES

Assignments typically require planning and successful completion of individual projects or portions of larger projects. May perform the following:

Implements assigned projects requiring the application of mathematical statistical theory.

Assists in studies of the practical application of relevant theory.

Evaluates data and related information. Develops or modifies procedures. Documents procedures and results.

Makes preliminary recommendations.

III. FACTOR LEVELS

Factor 1 - Knowledge Required by the Position FL 1-6, 950 pts.

Knowledge of mathematical statistical theories and methodology including calculus of probability, sampling theory, theory of design of experiments, systematic methods of curve fitting, and set theory, to set up and carry out integrated procedures.

Ability to use standard statistical methods and procedures to evaluate data from standard data sources.

Knowledge of organizational programs, terminology, procedures, and standards in order to perform background research and analysis of data.

Factor 2 - Supervisory Controls FL 2-3, 275 pts.

The supervisor outlines or discusses possible problem areas and defines objectives, plans, and priorities and assists the incumbent with situations having unclear precedents. The incumbent independently plans and performs work assignments adhering to accepted policies and practices and handling deviations in accordance with instructions. Completed work is reviewed for conformity to requirements, effectiveness of employee's approach to the problem, technical soundness and accomplishment of objectives. Documentation is also reviewed for completeness, clarity, and validity in detail.

Factor 3 - Guidelines FL 3-3, 275 pts.

A wide variety of reference materials, regulations, policies, precedents, and practices relevant to the assigned projects are available; however, they provide only limited guidance for specific work assignments. Most

assignments require incumbent to apply judgment in selecting which guides apply and the assignment may require some adaptation and modification of existing guidelines. The incumbent uses judgment in interpreting, adapting, and applying them to specific situations or problems. The incumbent articulates reasons for modifying specific guidelines to address unusual situations.

Factor 4 - Complexity FL 4-3, 150 pts.

The work consists of participating with senior staff on various segments of a specific program or project. The incumbent decides from among many alternatives when determining what needs to be done. This requires the incumbent to consider and analyze the particular assignment, existing conditions, and related issues to ensure accuracy and consistency. The incumbent must recognize and apply an understanding of interrelationship among different functions and activities to determine the most appropriate technique for processing or presenting data.

Factor 5 - Scope and Effect FL 5-3, 150 pts.

The purpose of the work is to address various mathematical statistical issues, from design and estimation to analysis and conclusions. The work affects the accuracy and reliability of project-related activities. It may affect the mathematical statistical methodology or procedures used.

Factor 6 - Personal Contacts FL 6-2, 25 pts.

Contacts are with employees throughout the organization who perform work for the assigned programs/projects. Contacts may include employees of other Federal agencies or the general public.

Factor 7 - Purpose of Contacts FL 7-2, 50 pts.

Contacts are to plan and implement project assignments and to resolve problems.

Factor 8 - Physical Demands FL 8-1, 5 pts.

Work is primarily sedentary, requiring no special physical demands.

Factor 9 - Work Environment FL 9-1, 5 pts.

The work is performed in a typical office setting.

TOTAL = 1885 pts.

This position is exempt from coverage under the Fair Labor Standards Act.

IV. UNIQUE POSITION REQUIREMENTS

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