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## Mathematical Statistician 11

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### GS-1529-11

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 position just below the full-performance level applies mathematical methods and techniques to statistical processes.

#### II. MAJOR DUTIES AND RESPONSIBILITIES

Performs a wide range of conventional assignments requiring considerable planning, individual analysis of data and information, and careful interpretation of findings and results. May perform the following:

Independently implements assigned projects requiring the application of mathematical statistical theory.

Defines problem areas. Studies the practical application of relevant theory to these areas. Develops and applies models, achieving resolution.

Evaluates data and related information. Documents procedures and results. Makes recommendations.

#### III. FACTOR LEVELS

Factor 1 - Knowledge Required by the Position FL 1-7, 1250 pts.

Professional knowledge of and skill in applying a wide range of complex mathematical and statistical theories to perform the full range of specialized duties in the field.

Knowledge of mathematical and statutory provisions, content, and objectives of relevant aspects of the assigned program to recognize variations in statistical findings.

Ability to coordinate efforts of assigned project.

Factor 2 - Supervisory Controls FL 2-4, 450 pts.

The supervisor outlines overall objectives of the work and the employee and supervisor, in consultation, discuss scope of the assignment, approaches, timeframes, and possible execution phases. The incumbent plans and performs work assignments, resolves most of the conflicts that arise; interprets policy and regulatory requirements; and develops changes to plans and/or methodology. The incumbent keeps the supervisor apprised of progress or controversial issues. Completed work is reviewed for soundness of overall approach, feasibility and conformity to requirements.

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

Guidelines such as a range of reference materials, regulations, policies, precedents, and practices relevant to the assigned projects are available, but they are not always directly applicable to the work or provide only limited guidance for specific work assignments. 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 4-4, 225 pts.

The work consists of carrying out technical aspects of various mathematical statistical programs or activities that often relate to a segment of a specific area in the field. Assignments involve assessing unusual circumstances, variations in approach, and incomplete or conflicting data. Decisions require interpreting data and refining mathematical statistical methods and techniques to be used.

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, exchange technical information, and 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 = 2435 pts.

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

#### **IV. UNIQUE POSITION REQUIREMENTS**

(Last Updated: June 12, 2006)

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