



# Statistician

| CLASS TITLE      | CLASS CODE | SALARY GROUP | SALARY RANGE        |
|------------------|------------|--------------|---------------------|
| STATISTICIAN I   | 0624       | B18          | \$45,521 - \$71,055 |
| STATISTICIAN II  | 0626       | B20          | \$51,158 - \$81,351 |
| STATISTICIAN III | 0628       | B21          | \$54,278 - \$87,046 |
| STATISTICIAN IV  | 0630       | B23          | \$61,184 - \$99,658 |

## GENERAL DESCRIPTION

Performs statistical work involving compiling, analyzing, and interpreting statistical data.

## EXAMPLES OF WORK PERFORMED

Conducts and administers surveys and other data gathering methods.

Prepares, compiles, tests, analyzes, and interprets statistical data.

Prepares and analyzes statistical reports, charts, and tables.

Maintains statistical records and databases.

Processes data for statistical modeling and graphic analysis.

Performs related work as assigned.

## DESCRIPTION OF LEVELS

*Examples of work and descriptions are meant to progress through the levels. For example, an employee at level IV may also perform work listed within the previous levels.*

**Note:** *Factors that may distinguish between the journey levels include the degree of independence in performing the work and the complexity of the work, and may include the employee's related experience, education, and certifications. Employees at the journey levels may independently perform the full range of work listed in the examples or may assist others in that work. Other factors may include the type, nature, scope, and complexity of the assigned project(s).*

**STATISTICIAN I:** Performs routine (journey-level) statistical work. Works under moderate supervision, with limited latitude for the use of initiative and independent judgment. Employees at this level occasionally assist others in performing work of greater complexity.

**STATISTICIAN II:** Performs complex (journey-level) statistical work. Works under general supervision, with moderate latitude for the use of initiative and independent judgment. Employees at this level may work more independently than those at the previous level, may provide guidance to others, and may:

- Plan, develop, and present statistical data and reports.
- Plan data collection methods and determine the types and sizes of sample groups.
- Prepare professional papers and reports.

***Note:** Any senior-level employee (levels III-IV) may serve as a lead or supervisor. Senior-level employees may perform the full range of work identified in the levels preceding their own and/or may oversee or coordinate that work for others. Factors that may distinguish between senior levels include the scope of responsibility, oversight, and authority; the complexity of the work performed; the scope, nature, and impact of the assigned project(s); and the employee's related experience, education, and certifications.*

**STATISTICIAN III:** Performs advanced (senior-level) statistical work. Works under limited supervision, with considerable latitude for the use of initiative and independent judgment. Employees at this level may lead and conduct highly complex statistical research projects and may:

- Administer the design of statistical research projects.
- Coordinate work with other departments.
- Develop plans, policies, and procedures for analyzing and interpreting statistical data.
- Evaluate statistical methods and procedures used to obtain data to ensure validity, applicability, efficiency, and accuracy.

**STATISTICIAN IV:** Performs highly advanced (senior-level) statistical work. Works under minimal supervision, with extensive latitude for the use of initiative and independent judgment. Employees at this level may be considered technical experts in the field, may oversee statistical analysis processes and/or multiple complex statistical research projects, and may:

- Oversee the development and testing of experimental designs, sampling techniques, data sets, and analytical methods.
- Design research projects and develops and tests data-gathering designs, sampling techniques, and analytical methods.
- Evaluate sources of information to determine any limitations on reliability, validity, or usability.

## GENERAL QUALIFICATION GUIDELINES

### EXPERIENCE AND EDUCATION

Experience in compiling, analyzing, and interpreting statistical data. Graduation from an accredited four-year college or university with major coursework in statistics, mathematics, computer science, or a related field is generally preferred. Experience and education may be substituted for one another.

## **KNOWLEDGE, SKILLS, AND ABILITIES**

### **For all levels**

- Knowledge of statistics and mathematics, statistical methods and formulas, research techniques, and the sources and availability of information.
- Skill in the use of a computer, applicable software, and statistical tools and databases.
- Ability to compile, analyze, and interpret statistical data; to conduct qualitative and quantitative analysis; to develop statistical reports; and to communicate effectively.

### **Additional for Statistician III – IV levels:**

- Ability to coordinate, design, and direct statistical research projects and reports; to evaluate statistical data; to direct the development of data collection methods and the selection of sample groups; and to oversee and/or supervise the work of others.

### **Additional for Statistician IV level:**

- Ability to conduct qualitative and quantitative analysis.