



**USC** University of  
Southern California

## Statistician II Job Description

### JOB INFORMATION

|                          |  |
|--------------------------|--|
| <i>Job Code:</i>         | 185511   |
| <i>Job Title:</i>        | Statistician II  |
| <i>FLSA Status:</i>      | Exempt   |
| <i>Supervisory:</i>      | May supervise staff, student, temporary or resource workers. |
| <i>Job Family:</i>       | Business Data Analysis                                       |
| <i>Job Family Group:</i> | Data Analysis  |
| <i>Management Level:</i> | 7 Individual Contributor                                     |

### JOB SUMMARY

Performs data management and statistical analysis for complex research projects. Participates in planning, design and development of research protocols and writing research papers for publication. Oversees maintenance of computer software and hardware. Writes computer programs as needed. May supervise the data entry/programming staff.

### JOB QUALIFICATIONS:

#### Education

| <i>Req</i> | <i>Pref</i> | <i>Degree</i>   | <i>Field of Study</i> |
|------------|-------------|-----------------|-----------------------|
| X          |             | Master's degree |                       |
|            | X           | Doctorate       |                       |

#### Additional Education

*Check here if experience may substitute for some of the above education.*

☐ Combined experience/education as substitute for minimum education

#### Work Experience

| <i>Req</i> | <i>Pref</i> | <i>Work Experience</i> | <i>Experience Level</i> |
|------------|-------------|------------------------|-------------------------|
| X          |             | 3 years                |                         |
|            | X           | 5 years                |                         |

#### Additional Work Experience

*Check here if education may substitute for some of the above work experience.*

☐ Combined experience/education as substitute for minimum work experience

#### Knowledge, Skills and Abilities

| <i>Req</i> | <i>Pref</i> | <i>Functional Skills</i>  |
|------------|-------------|---|
| X          |             | Master's degree in biometry, biostatistics or statistics.   |
| X          |             | Mainframe and PC experience.  |
| X          |             | Experience with SAS, Epilog, BMDP, GLIM and/or SPSS and other programming languages (e.g., FORTRAN, C++). |

#### Other Job Factors

## JOB ACCOUNTABILITIES

|  | % Time | Essential | Marginal | N/A |
|--|--------|-----------|----------|-----|
| Participates with Principal Investigators in the planning, design and development of research protocols and measurement instruments.   |        |           |          |     |
| Evaluates, recommends and implements procedures for data management and quality control. Develops input methodology and data file structure. Oversees data entry and maintenance of data files, including backups and hard copies.   |        |           |          |     |
| Evaluates and recommends statistical methods for data analysis. Reviews results for anomalies, investigates to determine cause and makes corrections if necessary. Interprets results and prepares tables or graphs for inclusion in reports and research papers.  |        |           |          |     |
| Prepares technical reports and papers on the research project's statistical methods and results. Assists Principal Investigators in writing scholarly empirical papers for publication and presentation. May participate in presentations.   |        |           |          |     |
| Designs, codes, tests, debugs, documents and maintains computer programs for statistical analysis as needed. Installs and tests software, oversees maintenance of hardware and software.   |        |           |          |     |
| Provides consultation and training on computer, methodological and statistical topics for research project staff and/or students.  |        |           |          |     |
| May supervise the data entry and/or programming staff, with duties including: scheduling, assigning and prioritizing workloads, setting appropriate deadlines, ensuring timely completion of work, and monitoring employee performance on a day-to-day basis. Assists in staff recruitment, screening, hiring, orientation and training, as necessary. |        |           |          |     |
| Keeps informed of developments in field. Reads journals and other relevant publications, attends professional association meetings and seminars as appropriate.  |        |           |          |     |

## Other Requirements

| <i>Essential:</i>  | <i>Emergency Response/Recovery</i>   | <i>Essential:</i> | <i>Mandated Reporter</i>  |
|--|--|-------------------|---|
|  | In the event of an emergency, the employee holding this position is required to "report to duty" in accordance with the university's Emergency Operations Plan and/or the employee's department's emergency response and/or recovery plans. Familiarity with those plans and regular training to implement those plans is required. During or immediately following an emergency, the employee will be notified to assist in the emergency response efforts, and mobilize other staff members if needed. |                   | A mandated reporter who in his or her professional capacity has knowledge of, or reasonably suspects a person who is under the age of 18 years, elderly, or a dependent adult has been the victim of abuse or neglect must report the suspected incident. The reporter must contact a designated agency immediately or as soon as practically possible by telephone or in writing within 36 hours. By virtue of the associated job duties, this position qualifies as a mandated reporter as required by state law and USC's policy at: <a href="https://policy.usc.edu/mandated-reporters/">https://policy.usc.edu/mandated-reporters/</a> |
| <i>Campus Security Authority (CSA)</i>   |  |                   | <i>Essential:</i>   |
| By virtue of the associated job duties, this position qualifies as a Campus Security Authority as required by law and USC's policy at: <a href="https://dps.usc.edu/alerts/clery/">https://dps.usc.edu/alerts/clery/</a> |  |                   | No  |

## ACKNOWLEDGMENTS

The above statements reflect the essential and non-essential functions as necessary to describe the principle contents of the job. They are not intended to be a complete statement of all work requirements or duties that may be required of the position. I understand that I may be asked to perform other duties as assigned. USC reserves the right to add or change duties at any time.

The University of Southern California is an Equal Opportunity Employer. USC prohibits discrimination on any basis protected under federal, state, or local law, regulation, or ordinance or university policies. All employment decisions are based on individual qualifications and business need.

I acknowledge receipt of this job description and its associated physical requirements. I have read and understand the job description and job requirements and agree to abide by their contents. I realize that duties may be requested of me that are not specifically stated herein. I understand that I will be expected to adjust to potential fluctuations in work volume. I understand that, if I have any questions about the essential functions or expectations of my position, my supervisor and/or HR partner are available to discuss them with me.

---

Print Employee Name

---

Signature

---

Date

---

Print Manager Name

---

Signature

---

Date

This job description describes the general nature and level of work required by the position. It is not intended to be an all-inclusive list of qualifications, skills, duties, responsibilities or working conditions of the job. The job description is subject to change with or without notice, and Management reserves the right to add, modify or remove any qualification or duty. Nothing in this job description changes the existing at-will employment relationship between the university and the employee occupying the position.