



Classification: Research Analyst II - Statistical Analysis Center (SAC)

Title Code: V00435

Pay Range: 22

POSITION SUMMARY:

An employee in this position conducts research and provides statistical and analytical support to crime and traffic safety authorities from MSHP troops and divisions, state agencies, legislators, advocacy groups, and the general public. Through analyses of various databases maintained by MSHP, FBI, and various state agencies, this employee creates reports, spreadsheets, graphical displays, and dashboards that describe Missouri's crime and crash experience and trends. Work is performed under general supervision.

DESCRIPTION OF DUTIES PERFORMED:

(Any one position may not include all of the duties listed nor do the listed examples include all tasks which may be found in positions of this class.)

Prepares the monthly Governor's Dashboard report.

Prepares annual statistical reports such as Crime in Missouri, Traffic Safety Compendium, and trend analysis reports as necessary.

Assists with the development and construction of new research studies to determine characteristics and patterns of criminal arrest/recidivism, arrest/crash relationships, etc.

Responds to internal and external requests for statistical analyses of crash and crime data.

Assists with system development and maintenance of Web based statistical reports and public dashboards.

Prepares MSHP manpower modeling studies for approval.

Assists with updating existing statistics, graphs, and spreadsheets available on the SAC website; assists with development of new web pages to convey pertinent crash and crime statistics.

Provides criminal justice liaison services to assist with development of electronic crash data interfaces between law enforcement agencies and the statewide data repository.

Assists with management of federal grants provided to the SAC, by developing initial applications, project status reports, budgets, and required deliverables.

May serve as director of the SAC; complies with all associated Bureau of Justice Statistics (BJS)/Justice Research and Statistics Association (JRSA) requirements.

Performs other related work as assigned.

REQUIRED KNOWLEDGE, SKILLS, AND ABILITIES:

Working knowledge of statistical concepts.

Working knowledge of research designs, methodologies, and sampling strategies.

Classification: Research Analyst II - Statistical Analysis Center (SAC) Coordinator

Title Code: V00435

Pay Range: 22

Page 2

Working knowledge of computer word processing, spreadsheet, presentation, and graphics software.

Working knowledge of criminal justice system and associated information systems.

Working knowledge of grant administration, budgeting, and report writing.

Possess written communication skills for reports, documentation, and correspondence.

Possess verbal communication skills for telephone conversations, emails, and meetings.

Possess analytical and interpretative skills to relate crash or crime data collection forms, specifications, and code files.

Ability to research topics via Internet and academic database searches with a high degree of resourcefulness.

Ability to communicate well with individuals having many levels of technical knowledge.

Ability to work on many tasks simultaneously, while maintaining good organizational skills.

Ability to work independently.

Ability to handle restricted and confidential information in a professional manner and maintain the information as such.

Ability to operate basic office equipment.

Ability to communicate in English clearly and concisely, both orally and in writing.

Ability to establish and maintain harmonious working relations with others.

Ability to work with material that may be of a sexual nature relating to criminal activity (e.g., written material, photographs, and/or verbal language, etc.).

Ability to work hours as assigned.

MINIMUM EXPERIENCE AND EDUCATION REQUIRED:

(The following represents the minimum qualifications used to accept applicants, provided that equivalent substitution will be permitted in case of deficiencies in either experience or education.)

Possess a four-year degree in Mathematics, Statistics, Criminal Justice, or related field. College coursework must include at least three credit hours in statistics.

AND

One year as a Research Analyst I or comparable experience. Experience in the following areas is highly desirable: project management, research methodology, statistical analysis through the use of tools such as STATA, SPSS, R, GIS, and data querying tools such as SQL Server Reporting Services (SSRS).

ELSA STATUS: Non-Exempt

Classification: Research Analyst II - Statistical Analysis Center (SAC) Coordinator

Title Code: V00435

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Page 3

WORK SCHEDULE: An employee in this position works an eight-hour shift as directed; however, working hours are subject to change at the discretion of the commanding authority.