State of Washington Class Specification

IT Data Consultant 4
TBD

Definition:
Performs expert level specialized professional data consultant work planning, directing and managing research, statistical or data analysis activity of major scope, significance, and high complexity.

Distinguishing Characteristics:
Independently performs highly complex data analysis such as:
- Assisting executive management in making strategic data-related decisions by analyzing, manipulating, tracking, internally managing, and reporting data.
- Determining feasibility of major research projects; plans, assigns, schedules and directs research studies;
- Directing and developing technical work methods in production of projects and analyses of research data.
- Providing expertise in the development of highly complex statistical reports applying advanced statistical predictive modeling techniques to build, maintain, and improve on multiple re-time decision systems;
- Ensuring high quality data report production that integrates the use of multiple analytical processes.

May supervise staff of professional consultants involved in research, data mining, statistical analytics, or data analysis work. Prioritize, assign and schedule research activities of subordinate staff. Positions also carry responsibility for final reports, conclusions and recommendations; and for all technical and/or supervisory decisions related to their assigned research or statistical responsibilities.

Typical Work:
Leads discovery process with stakeholders;
Models and frames business scenarios that impact business decisions / processes;
Designs or directs design of computerized reporting systems; supervises gathering and analysis of highly complex data and preparation of periodic or special statistical and narrative reports; coordinates work of unit with that of data processing and other groups;
Studies proposed program changes to ascertain costs, equity, social desirability, and administrative feasibility; studies department programs to determine effectiveness and need for changes; drafts proposed legislation;
Determines the development, design, implementation, maintenance and modification of complex research projects involving data collection, algorithms, data manipulation, analytical modeling, data warehousing, and computer applications and reporting systems.

Develops innovative and effective approaches to solve clients analytics problems and communicates results and methodologies;

Writes and reviews articles, speeches, and news releases; addresses business and other groups; furnishes advice on research problems to other members of department and representatives of other organizations and the Legislature;

Performs other duties as required.

Knowledge and Abilities

Knowledge of: research methods; statistical theory and techniques; current project theory, principles and problems.

Ability to: develop, organize, direct difficult research; lead coordination of highly complex statistical projects; analyze and interpret complex data; write clearly and concisely; supervise and coordinate the work of others; deal practically and effectively with others in a staff relationship; proficient use of visualization tools, organize and prepare professional reports.

Legal Requirement(s)

There may be instances where individual positions must have additional licenses or certification. It is the employer's responsibility to ensure the appropriate licenses/certifications are obtained for each position.

Desirable Qualifications

A Bachelor's degree including college level course in Statistics and/or Mathematics

And

Three years of year experience working as a Data Consultant 3 or equivalent. Graduate training in related discipline may be substituted for up to two years of experience.

OR

Equivalent education/experience

For those positions required to supervise, experience must include at least one year of supervisory experience.

Class Specification History

New class; adopted date, effective date.