



Supervisory Data Scientist, GS-14

Location: Fort Huachuca, AZ

POSITION DUTIES:

Serves as a Chief of the Business Operations Analytics Division and as Senior Subject Matter Expert (SME) in the Data Science Directorate and advisor to the Director. In this capacity, the incumbent is responsible for the analysis, review, coordination, and integration actions necessary to inject sound analytics into the military decision-making process with regard to the Army's networking and information architecture and the associated infrastructure and information systems assigned to NETCOM and its subordinate commands. Serves as a senior SME and consultant in all areas of enterprise information systems data analytics to Senior Leaders of this command, external command's operating the Army's information network, and other government agencies.

MAJOR DUTIES:

- 1.** Technically and administratively supervises a team of civilian personnel. In addition to planning regular work assignments, prepares plans to meet substantial changes in workload; justifies revisions in staffing levels, work priorities, and deadlines. Assigns work to employees based on selective considerations of such factors as the difficulty and requirements of assignments; availability, capability, and special qualifications of employees; and workload. Develops and issues written instructions and standard operating procedures, ensures compliance. Reviews work and accepts or rejects the product. Keeps employees informed on organizational goals and objectives, as well as changes in regulations, policies, and procedures governing the work. Prepares formal requests for personnel action to fill vacancies, detail, reassign, or promote employees. Interviews and makes selections of employees from lists of eligible candidates. Approves and disapproves leave. Receives and resolves grievances and complaints. Develops performance plans, and appraises performance. Counsels employees regarding their progress in meeting performance requirements, or actions needed to meet standards. Initiates disciplinary measures, such as warnings and reprimands, recommending other action in more serious cases. Identifies employee training needs, locates sources, and initiates training requests. Periodically reviews position descriptions of subordinates for currency and accuracy; reports detailing of employees to jobs other than their own; participates with supervisor in review and recommends improvements in work methods, organizational features, and the structuring of positions to eliminate unnecessary ones and to achieve optimum content in those remaining. Assures adherence to safety regulations, implements equal employment opportunity action plans, and implements provisions of award and incentive programs.

Approximately 25%

- 2.** Incumbent analyzes, reviews, coordinates, and integrates the actions necessary to implement the Data Analysis/Science and the Army's Cost and Economic Analysis Program within the Army's Information





Mission Area for issues, projects, programs, and initiatives assigned to Network Enterprise Technology Command (NETCOM) and its subordinate commands from the Department of Defense, HQ DA, CIO/G-6, and associated Program Executive Offices (PEOs). Applies the rigors of the Operations Research and Data Science disciplines, including state-of-the-art concepts, techniques, and technologies, to cost and economic analyses of a highly complex and controversial nature. Analyses concern Army and DOD major information systems and networks. Incumbent ensures that cost estimates and cost justification from the command's planning process are accurately translated into reliable and defensible inputs to the Army's Planning, Programming, Budgeting, and Execution System (PPBES). Serves as a senior consultant on all areas of cost and economic analyses to senior managers of the command, the Army's Information Mission Area, and other government agencies which have signed Reimbursable Matrix Support Agreements with HQ NETCOM. Leads the analytical study efforts for teams of analysts, all engaged in the conduct of cost, economic, and business transformation analyses of current, evolving, or proposed DOD and Army Enterprise Information Systems initiatives. Accomplishes a variety of liaison, advisory, and consultant duties with key management personnel of HQ, NETCOM, HQDA, DISA, Office of the Secretary of Defense (OSD), and related agencies. Requires routine and recurring access to Top Secret Sensitive Compartmented Information (SCI) materials, equipment, facilities and programs.

Approximately 20%

3. Collaborates with the US Army Cyber Command, Deputy Assistant Secretary of the Army for Cost and Economics DASA(C&E); various Army PEOs; and the Chief Information Officer (CIO)/G-6, HQDA, on the translation of Congressional and OSD programmatic and costing directions and guidance; e.g., DODI and DODD 8000 series, into Army policies, directives, procedures, and implementation guidance for execution on programs within the Army's Information Mission Area. Develops fundamentally new and innovative approaches. Formulates program plans, policies, procedures, and programmatic guidance necessary for implementing the Army's Cost and Economic Analysis Program on the Army's Information Mission Area projects managed within HQ NETCOM and its subcommands. Interprets new and revised cost reporting policies and procedures received from the CIO/G-6; the DA; and/or other higher authorities; and formulates implementation strategies, policies, and instructional guidance for implementing throughout the command, including subordinate data science and cost analysis activities. Assures that all cost and economic analyses being forwarded to higher review authorities at the DA and OSD levels, whether done within the division or by subordinate cost analysis activities, conforms to applicable policies and reporting procedures.

Approximately 15%

4. Represents NETCOM on a variety of liaison, advisory, and consulting assignments with key technical and management personnel of HQ DA, CIO/G-6, OSD, US Army Cyber Command the Defense Information Systems Agency, PEO/PMs, the Army Center for Cost and Economics, the Army's Cost Review Board and Working Groups, and the DA/OSD Major Automated Information Systems Review Council on current and emerging operations research, cost/economic analysis, and Business Transformation, to include Lean Six Sigma, Portfolio Management and other process improvement issues. Attends as a principal participant



a wide variety of conferences, meetings, working groups, and professional seminars to develop solutions to highly complex and specific programs, data science analytics, or cost analysis projects. Establishes and maintains contacts with other recognized experts in operations research, cost analysis, and information technology within the MILDEPs, other government agencies, and university research facilities involved in state-of-the-art operations research, cost/economic analysis, and business transformation/process improvement technology. Proposes novel ideas, exchanges information, obtains additional views, and coordinates efforts. Contributes in open forum among other subject matter experts and while serving as the command representative and technical authority on operations research methods, cost/economic analysis, and business transformation/process improvement. Obtains and presents critical information, interprets technical program requirements, employs data science tools and techniques, and resolves unique and complex problems on matters of mutual concern which impact the successful execution of the command's business area. Collaborates with heads of other organizations to negotiate, decide on, and/or coordinate work-related changes affecting their units.

Approximately 15%

5. Provides advice and makes recommendations on study direction to Operations Research Analysts, Data Scientists, and Computer Scientists/Engineers who are organized into study teams and engaged in the network operations, the conduct of cost and economic analyses of current, evolving, or proposed major Army and DoD information systems programs and acquisitions as well as process improvement projects. Program initiatives being analyzed are usually managed by Army and DoD Acquisition Agencies and/or Program Management Offices; are very large scale, complex, and controversial; involve alternative courses of actions which have political and economic sensitivity; have life cycle costs estimates frequently exceeding a billion dollars; and are subjected to scrutiny by Army, DoD, and/or Congressional oversight committees. Incumbent performs the technical planning functions necessary for the execution and integration of study efforts by analyzing assignments and taskings; recommending program objectives and alternatives; developing current and long-range plans, sub-projects, and operating schedules; and incorporating innovative analytical approaches and methods into business area. Collaborates with heads of tasking organizations to negotiate, decide on, and/or coordinate work-related changes affecting the analyses. Assures continuity of work effort among and between the teams within the division by formulating and issuing analytical and technical policies and procedures, thereby ensuring program assignments, study results, problem resolutions, and customer assistance are provided as required. Incumbent identifies the need for other beneficial areas of analyses; formulating proposals for original studies; presenting and defending studies' results to the appropriate authorities or oversight committees; investigating new cost methods and approaches for applicability to projects; proposing new cost strategies and cost estimating policies for implementation.

Approximately 15%

6. Manages from a technical perspective the implementation of the command's Data Analytics Cost and Economic Analysis Program. Monitors the work progress of the teams of analysts within the division to



assure program integration objectives and PPBES policies are met, making necessary technical and day-to-day work adjustment to accomplish program direction. Translates relevant technical and programmatic information received from the Division Chief or higher authority into guidance and actions to be implemented by the teams. Reviews teams' projects deliverables for conformance to command, Army, and OSD policies, procedures, methodology, and suggests amendments to work products' analytical content, approaches, and conclusions to assure acceptance by tasking authorities of delivered products. Elevates to the Division Chief potential problem areas needing personnel, scheduling, budgeting and/or administrative resolution. Keeps informed on progress of the various projects and programs within the division in order to maintain cognizance of workload and capabilities to meet business area requirements and, within the framework of budgetary limitations and guiding policies, recommends to senior managers the type and amount of personnel, facilities, equipment and supplies needed to accomplish the program objectives.

Approximately 10%

Performs other duties as required.

Salary Range: \$113,027 - \$146,935 annually