



POSITION DESCRIPTION

Position Title:	Logistics Data Scientist
Position Reference Number:	ECRJOAD005(CV2016)
Division	JOAD
Position Classification:	S&T3-4
Position Location:	DST Edinburgh
Security Level:	NV1
Minimum Academic Qualification:	Undergraduate
Enquiries:	Derek Henderson, derek.henderson@dst.defence.gov.au , Tel (08) 7389 7667

Academic Disciplines

Aerospace/ Aeronautical Engineering, Naval Architecture	Chemical, Radiological, Biological, Food sciences	Materials Science
Computer Sciences, IT, Software Engineering, Telecommunications	Mathematics and physics	Psychology and Social Sciences
Mechanical and Mechatronic Engineering (including robotics)	Electronic/ Electrical Engineering	Other

Position Overview

Work in a small multidisciplinary team developing techniques and software prototypes suitable for analysing military supply chains and infrastructure data. The purpose of this work is to help ensure that appropriate quantities of supplies are on hand when required to support effective military operations. Candidates should have a passion for working with data and have a good knowledge of relevant data science disciplines such as algorithm development, mathematical/statistical techniques, data modelling, data mining, machine learning, data visualisation and knowledge representation and reasoning. Furthermore, current skills in computer languages such as Java, C#, R, SQL and Python would be beneficial. An ideal candidate will need to both self-motivated and team oriented. You will need to be confident communicating, both verbally and in writing, with DST staff and military officers. Finally you must be innovative, inquisitive, and possess good problem solving skills.

Position Duties

Under guidance of staff, the Logistics Data Analyst will:

- Apply appropriate data science/ analysis, mathematical modelling or analysis approaches to solve logistics problems. This may involve using and improving existing tools and techniques or researching/developing new and novel approaches and tools.
- Liaise with other stakeholders in Defence to identify priorities, understand their problems, elicit requirements and develop solutions that meet their goals and expectations.
- Research new analysis methodologies, data analytic techniques and mathematical modelling approaches appropriate to logistics capability. Develop and maintain an understanding of emerging applications, knowledge and techniques applicable to the logistics research discipline.
- Collaborate with other scientists from other disciplines and DST Divisions to understand and leverage related fields of research.
- Document activities and results to a scientific standard.
- Provide timely reports and presentations to DST management and Defence stakeholders.

Other Requirements

There may be some interstate travel to engage with clients and attend conferences.