Position Title:	Data Scientist
Position Reference Number:	PDNSID007
Division	National Security and Intelligence, Surveillance, Reconnaissance Division
Position Classification:	S&T3-4 Above
Position Location:	Edinburgh, SA
Security Level:	Top Secret Positive Vetting
Enquiries:	Dr. Ralph Gailis ralph.gailis@dst.defence.gov.au (02) 6128 6472

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

The Data Scientist will work as part of a small team that collaborates with the Defence and National Security community, and Universities to develop novel analytic techniques to improve the capabilities of intelligence analysts in utilising vast amounts of complex data. A technical background in data science and artificial intelligence is important, and a focus will be on developing richer models of how analysts develop insights and how online communities function. This will require the Data Scientist to work in multi-disciplinary teams that may include psychologists or social scientists.

Position Duties

Under guidance, the Data Scientist will:

1. Develop intelligence mission-specific models, analytic methods, algorithms and data processing pipelines to provide improved analytic capabilities for Defence and National Security agencies.

2. In partnership with the academic and industry community, undertake research into new analytic methods beyond standard practices, that show promise to significantly enhance current intelligence analytic capabilities.

3. Partner with the Defence and National Security analytics community to understand, develop and deliver technological solutions that meet client requirements.

4. Prepare to scientific publication standard, papers discussing the work undertaken.

5. Provide timely reports for clients and DST leadership on relevant research areas.

Other Requirements

Some knowledge of psychology or social sciences, or the ability to work with such scientists is desirable.

Appointees will be initially engaged on a **BASELINE** security clearance, with an upgrade to a **Top Secret Positive Vetting (TSPV) Security Clearance** required upon commencement.