Position Description

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| Title: | **Data Analyst & Data Modeller** |
| RFQ | 25511 |
| Client Name: | **Department of Health and Aged Care** |
| Closing Date | Tuesday, 17th September, 2:00pm |

**Department Website:** <https://www.health.gov.au/>

**Proposed Dates:** Contract starting October (pending notice period and availability) on an initial 12—month contract to 30 June 2024 with a 12-month extension option

**Number of Positions:** Two position

**Business Hours:** Standard hours

**Clearance Level Required:** Baseline Minimum – This role is open to sponsoring an Australian Citizen through the Baseline process.

**Location:** ACT, NSW, VIC

**Role:**

We are seeking a Data Analyst/Modeller, to perform the following duties:

* Develop, enhance and maintain a range of mathematical models relating to the projection of the health workforce demand and supply.
* Apply in depth knowledge in forecasting, statistics, machine learning algorithms and quantitative techniques to produce actionable policy insights.
* Utilise complex analytic techniques and experimental methods independently to develop technological solutions to achieve business outcomes, using computational methods to discover data patterns and to develop classification, prediction and optimisation models.
* Work with a cross functional team of analysts, modellers, software developers and cloud engineers to develop a health workforce supply and demand modelling tool.
* Undertake complex data analysis, interpretation and investigation of large data sets.
* Work collaboratively in a team environment, consult and share information with others to achieve work area and business outcomes.
* Present data and complex numerical information in a clear and concise manner and clearly communicate statistical concepts to senior and non-technical audiences.
* Work closely with project managers and technical leads to meet deliverables and assist in developing the scenario planning tool to industry and agency standards.

Required skills and experience.

* Proven working experience as a data analyst or data scientist.
* Deep expertise in algorithms and statistical methods.
* Demonstrated skills applying computational problem-solving approaches (identify problem, model, define methodology, implementation, and assessment).
* Demonstrated knowledge and experience with analytics programming languages and tools, in particular R.
* Advanced SQL skills.
* Qualifications in Computer Science, Mathematics, Statistics or other relevant disciplines
* Strong practical experience (preferably 2+ years’ experience) across areas such as scientific programming and (micro) simulation, statistical modelling, and behavioural analytics.
* Strong data wrangling, visualisation, and analysis skills.
* Professional commitment and skills of maintaining code quality.
* Can work both independently and as part of a team to achieve results.
* Demonstrated capability of communicating clearly with both technical and non-technical stakeholders.

**Selection Criteria – Max 500 words (per dot point) response to the criteria below (max 500 words)**

1. Data Analyst • Proven working experience as a data analyst • High level SQL and R programming skills • Qualifications in Computer Science, Mathematics, Statistics, Data Analytics or other relevant disciplines • Strong data wrangling, visualisation, and analysis skills • Good report writing skills. • Demonstrated ability to manage time and work in fast-paced environments. • Can work both independently and as part of a team to achieve results • Demonstrated capability of communicating clearly with both technical and non-technical stakeholders

**Desirable Criteria – Max 500 words (per dot point) response to the criteria below (max 500 words)**

1. Data Analyst/Modeller • Proven working experience as a data analyst or data scientist • Deep expertise in algorithms and statistical methods • Demonstrated skills applying computational problem-solving approaches (identify problem, model, define methodology, implementation, and assessment) • Demonstrated knowledge and experience with analytics programming languages and tools, in particular R • Advanced SQL skills • Qualifications in Computer Science, Mathematics, Statistics or other relevant disciplines • Strong practical experience (preferably 2+ years’ experience) across areas such as scientific programming and (micro) simulation, statistical modelling, and behavioural analytics • Strong data wrangling, visualisation, and analysis skills • Professional commitment and skills of maintaining code quality • Can work both independently and as part of a team to achieve results • Demonstrated capability of communicating clearly with both technical and non-technical stakeholders

**Making an Application:**

* Most up-to-date CV (In Word Format)
* The details of 2 professional referee’s (they will only be contacted after interview if successful).
* Rate Expectations
* Pay Type (PAYG of LTD)
* Notice Period