

Ngā Kōrero e pā ana ki te Tūranga

Job Description

Senior Analyst, Forecasting and Modelling

| | |
|----------------|--|
| Business Group | Te Pae Aronui Operations and Integration |
| Location | Wellington/Flexible |
| Salary band | A8 |

Mahi i roto i te Ratonga Tūmatanui | Working in the Public Service

Ka mahitahi mātou o te ratonga tūmatanui kia hei painga mō ngā tāngata o Aotearoa i āianeī, ā, hei ngā rā ki tua hoki. He kawenga tino whaitake tā mātou hei tautoko i te Karauna i runga i āna hononga ki a ngāi Māori i raro i te Tiriti o Waitangi. Ka tautoko mātou i te kāwanatanga manapori. Ka whakakotahingia mātou e te wairua whakarato ki ō mātou hapori, ā, e arahina ana mātou e ngā mātāpono me ngā tikanga matua o te ratonga tūmatanui i roto i ā mātou mahi.

In the public service we work collectively to make a meaningful difference for New Zealanders now and in the future. We have an important role in supporting the Crown in its relationships with Māori under the Treaty of Waitangi. We support democratic government. We are unified by a spirit of service to our communities and guided by the core principles and values of the public service in our work.

Mō ētahi atu kōrero hei whakamārama i tēnei kaupapa, haere ki | You can find out more about what this means at [Role and purpose - Te Kawa Mataaho Public Service Commission](#).

To Mātou Aronga | What we do for Aotearoa New Zealand

At Te Tāhuhu o te Mātauranga | Ministry of Education, delivering our purpose makes a real difference to all ākonga of Aotearoa:

He mea tārai e mātou te mātauranga kia rangatira ai, kia mana taurite ai ōna huanga
We shape an education system that delivers excellent and equitable outcomes

We fulfil our purpose by:

- delivering services and support nationally, regionally and locally to and through the education sector and in some cases directly to ākonga and whānau
- shaping the policies, settings and performance of the education system so that it is well placed to deliver equitable outcomes for ākonga and their whānau, from early learning through tertiary.

Tēnei Tūranga | About the role

The Forecasting & Modelling (FaM) team is responsible for forecasting and modelling to support the Ministry's Early Learning and Schooling policy and operational functions. The Senior Analyst, FAM is responsible for providing statistical, analytical, modelling, forecasting, reporting and advisory services across the Analysis, Research & Evaluation teams to support the information and policy needs of the Ministry of Education, and driving continuous improvement in forecasting throughout the Ministry. The Senior Analyst is able to understand and communicate detail behind data, is familiar with data techniques and enjoys innovative ways to improve the translation of data and evidence.

Ngā Kōrero e pā ana ki te Tūranga

Job Description

Ngā Haepapa | Accountabilities

As a Specialist within Te Tāhuhu o te Mātauranga | the Ministry of Education you will:

- Share specialist knowledge across the organisation and with stakeholders, working with others to inform operational level decision making.
- Contribute to an effective team with a positive approach to the work environment that encourages and supports high performance, collaboration and problem solving.
- Lead the resolution of issues, identifying risks and solutions to protect and enhance the integrity and reputation of the Ministry.
- Lead or contribute to the development and implementation of innovative and fit-for purpose solutions and frameworks for current and future challenges.
- Develop and use data and insights to make evidence-based decisions and recommendations on operational issues.
- Build capability in others through coaching, quality assurance, and proactively sharing knowledge and expertise.

As the Senior Analyst, Forecasting and Modelling you will:

- Drive the improvement of expenditure forecasting across the Ministry.
- Lead development of a deeper understanding of the drivers underpinning expenditure in Education.
- Study trends in migration, labour market participation and other macro-economic drivers to understand how to improve the accuracy of forecasts.
- Act as a strategic thought leader for forecasting in both underlying assumptions and analytical techniques which are applied.
- Consider the consistency of underlying assumptions between Early Learning and Schooling forecasts.
- Translate underlying assumptions of data models to senior leaders to increase their understanding of forecast expenditure and achieve buy-in.
- Undertake complex analysis which contributes to better understanding the Education Sector.
- Collaborate across the Data and Insights group to access data, analysis and comparative educational research. Compile and interpret this information in a meaningful way to improve stakeholder understanding.
- Proactively identify new insights from existing data and analysis, foreseeing opportunities, and medium term trends.
- Advise on innovative ways to improve the translation of data and evidence to strengthen policy and decision making.
- Facilitate data sharing and matching between government agencies to improve insights across the social sector pipeline and improve educational and social outcomes for all children and young people.
- Manage data quality, reporting, and analysis on large datasets.
- Produce budget forecasting and variance reporting, able to apply models to forecast

Ngā Kōrero e pā ana ki te Tūranga

Job Description

expenditure and determine variance from previous forecasts.

- Carry-out Analysis of financial and budget information – in-depth understanding of what drives expenditure and how this relates to the sector and the broader New Zealand economy.
- Undertake financial monitoring and reporting including to internal stakeholders and publishing on the Ministry's Education Counts website.

Wheako | Experience

To be successful in this role you will have the following experience:

- Experience in a complex organisation
- Experience in building relationships and partnerships to achieve shared outcomes.
- Experience in the application of financial modelling techniques especially in the context of budget forecasting and monitoring.
- Experience working with large datasets using programming languages such as R, SQL, and SAS.
- Experience with computer applications, including MS Word, Outlook, Excel, and PowerPoint (intermediate to advanced), and familiarity with database products.
- A relevant tertiary qualification in a quantitative discipline (e.g., economics, statistics, mathematics, data science, or similar).

Ngā Āheinga | Capabilities

To be successful in this role you will have the following capabilities and competencies:

- A track record of bringing people together and leading, coaching and mentoring others to achieve outcomes.
- A proven ability to use data and insights to identify trends, risks and opportunities, to influence and guide organisational and system-level decision making.
- Excellent interpersonal and communication skills.
- A commitment to ongoing personal and professional development.
- Ability to develop solutions to novel and complex analytical problems.
- Knowledge of education systems in New Zealand.
- Ability to navigate sensitive political issues.
- Ability to understand the drivers of expenditure and opportunities for policy change.
- Understanding of policy development process and how operations inform and are informed by policy thinking.
- Ability to think strategically in the context of government expenditure and the annual budgetary cycle.
- Knowledge of economic theory and technique.
- Managing and delivering on work priorities.



Ngā Kōrero e pā ana ki te Tūranga

Job Description

Tātai Pou | Our Cultural Competency

Tātai Pou is our Māori Cultural competency framework. It has been aligned and is complementary to the Māori Crown Relations Capability Framework (MCR). Tātai Pou is designed to support our people and organisation to give effect to the articles of te Tiriti o Waitangi in our work. The work-based capabilities have four focus areas and describe four levels of competency (high, confident, developing and essential) that enable us to deliver our partnership approach so that Māori enjoy and achieve educational success as Māori.

| | |
|--|------------|
| Pou Hono Valuing Māori | Developing |
| Pou Mana Knowledge of Māori content | Developing |
| Pou Kipa Achieving equitable education outcomes for Māori | Developing |
| Pou Aroā Critical consciousness of racial equity for Māori | Developing |

Leadership Success Profile - Te Kawa Mataaho | Public Service Commission

Leadership matters. Strong leadership at every level in the Public Service will transform the experiences of New Zealanders. The Leadership Success Profile establishes “what good looks like” for leadership at all levels. Information about how the Leadership Success Profile applies to this role is available on the Ministry’s intranet.

Ngā Whakaaetanga | Approvals

| | |
|----------------------------|-------------------|
| Date Reviewed and Approved | August 2025 |
| Approved By | HR Advisory Taeam |