



Ngākau aroha Have heart

Kotahitanga Better together

Kia māia Be brave

Mahia Nail it

## Position Description

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<b>Title:</b>	Data Science Intern
<b>Group:</b>	Corporate Support
<b>Reports to:</b>	Manager, Advanced Analytics & Modelling
<b>Band:</b>	12
<b>Date:</b>	September 2021

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### Context

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**Our purpose** *Waka Kotahi. Moving. Together*  
A land transport system connecting people, products and places for the thriving Aotearoa.

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**Group and team purpose** Our Corporate Support Group provides key specialist corporate functions that are core to enabling Waka Kotahi to run efficiently and to achieve organisational excellence internally and for the land transport system.

The Data Science team sits in and is part of the Research and Analytics team at the Agency. It aims to provide an evidence base to support and underpin smarter, evidence-based decisions, for NZTA decision makers and those in the wider land transport sector.

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**Position purpose** The purpose of this role is to positively influence the delivery and achievement of the Transport Agency's strategic objectives by contributing to the provision of high quality data extraction, well researched and reasoned data and statistical analysis.

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**Key relationships**

Internal:

- Corporate Support
- All Agency business groups

External:

- None

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**Dimensions** **Location:** Auckland / Wellington

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## What the position involves

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### Accountabilities

As well as being accountable for the Waka Kotahi values and behaviours, your role has the following specific key accountabilities:

- Understand and extract data contained in the NZTA and external databases
- Processing, integration, analysis and interpretation of these datasets
- Work with Data Scientists in providing advanced modelling solutions over this data
- Engage effectively with internal experts/staff across the Transport Agency so that the best information is available for decision making
- Engage with stakeholders to understand and process requirements

There is an expectation that the role accountabilities may evolve over time. You may also be involved in other activities as part of a career and development plan. These will be reflected in your performance and development goals that are set in discussion with your People Leader.

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### Working effectively with Māori

Te Ara Kotahi – our Māori Strategy – supports Waka Kotahi to work effectively with Māori and is underpinned by uara (values) and our mātāpono (principles) of – Rangatiratanga, Manaakitanga, Kaitiakitanga, Whanaungatanga, Te Tiriti o Waitangi, Mana o te Reo, Huna Kore (no surprises approach), Auahatanga (creativity and innovation), Whakaponon (integrity and honesty) and in recognition of Cultural Values.

As Waka Kotahi is an agent of the Crown, Te Tiriti o Waitangi/The Treaty of Waitangi is important to everything we say or do. We recognise it as an enduring document central to New Zealand's past, present and future. Building and maintaining meaningful relationships is important to work effectively with Māori, stakeholders and other agencies.

We accept our privileged role and responsibility to the partnership of the Treaty of Waitangi / Te Tiriti o Waitangi.

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### Values and Behaviours

Our values and behaviours underpin everything we do and form the core behavioural expectations for your role.

**NGĀKAU AROHA** *Have heart* means we have the wellbeing of our people, community and planet at the heart of everything we do. As Waka Kotahi we:

- Contribute to a safe and sustainable work environment.
- Show respect for all people.
- Treat others how we would like to be treated.
- Are inclusive and connected
- Look out for each other

**KOTAHITANGA** *Better together* means we achieve great things when we work together to build trusted relationships inside and outside of Waka Kotahi. As Waka Kotahi we:

- Build better relationships
- Join up our thinking and our doing
- Remove barriers to collaboration
- Seek and listen to others to learn and grow
- Invite conversation and feedback and always improve

**KIA MĀIA** *Be brave* means our outcomes are better when we bring courage and self-belief to our passion and purpose. As Waka Kotahi we:

- Speak up when it matters
- Challenge to achieve the right outcome
- Make and own the tough decisions

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- Find different perspectives to challenge thinking
  - Face up to the difficult issues

**MAHIA** Nail it means we create enduring legacy, delivering our best work every day. As Waka Kotahi we:

- Are clear on what's important
- Deliver on the right outcomes
- Hold ourselves to account
- Help others succeed
- Celebrate success

As a member of the state sector we also hold ourselves to the highest standards of integrity and conduct.

### **SPIRIT OF 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.

More information on all the behaviours and standards are included in the Waka Kotahi Te Tikanga Whanonga – Our Code of Conduct.

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## **The value you will bring**

### **Knowledge and experience:**

- Intern level of experience in undertaking data collection, processing and analysis
- Strong programming knowledge of Python and/or R
- Good working knowledge of SQL and at least one NoSQL platform
- Good understanding of applied statistics and machine learning
- Strong written skills for documentation and presentation

### **Qualifications:**

- In the early stages of a Data Science career

You will demonstrate knowledge of, or a willingness to gain an understanding of Te Ao Māori and promote tikanga and Te Reo Māori. You will also have knowledge of, or a willingness to gain an appreciation of te Tiriti o Waitangi (the Treaty of Waitangi) as it applies in the public sector.

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