

Te Pokapū Hātepe o Aotearoa

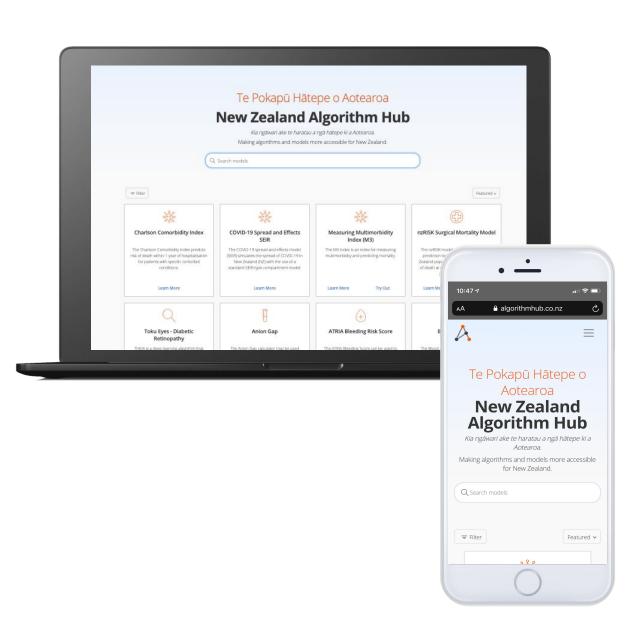
New Zealand Algorithm Hub

Innovations in Applied Data Symposium Pieta Brown, June 2021

Algorithm Hub Overview

- National algorithm management solution the New Zealand Algorithm Hub.
- Provides a central repository for algorithms and models for NZ
- Six-month initiative to implement use cases supporting NZ's COVID-19 response
- Three different interaction channels website,
 API, SFTP





What are the benefits?

For citizens:

 Ensuring equitable access and that decisions are being made with the best available toolkit

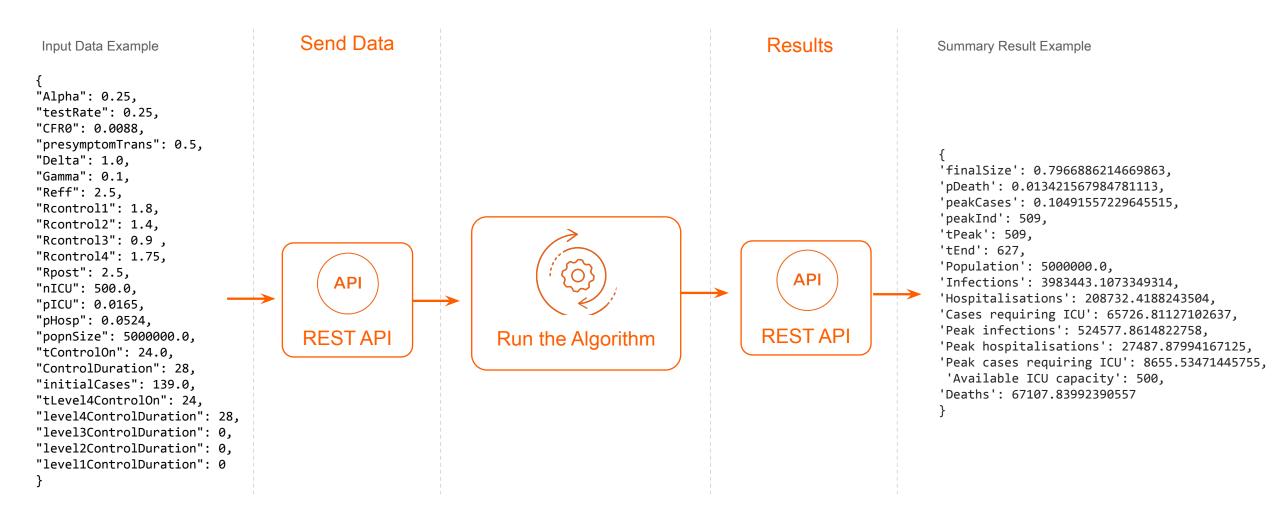
For NZ hospitals, clinicians and government decision makers:

- Free use of models deployed via this initiative
- Access to insights that will help to inform decision making and planning.
- Ability to automate model inputs and dissemination of outputs into workflows, where data sources and systems allow.
- Opportunity to create a central, shared knowledgebase of NZ-validated algorithms and models

For data scientists, researchers and others creating algorithms and models:

- Path to adoption / use without burden of support falling on creator.
- Deployed in a stable, automated and scalable system.
- Frees up time to focus on solving new challenges or making improvements.

What it looks like in action (REST API)



Governance Process

Review Options available



Select
Highest priority
based on criteria

Approve

When ready for use

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Gill Dobbie
Data Science



Daniel WilsonMāori Interests



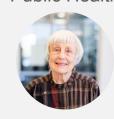
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