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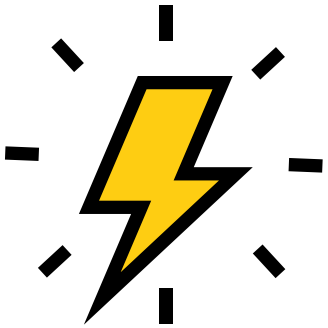
Building IDI Algorithms to Benefit Aotearoa

Dr. Todd Nicholson

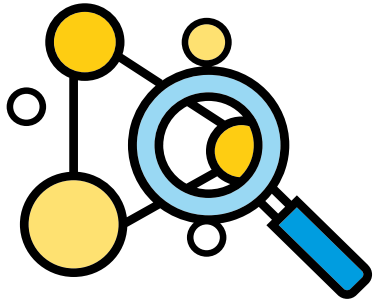
Why build an algorithm?

Automated Decision Making

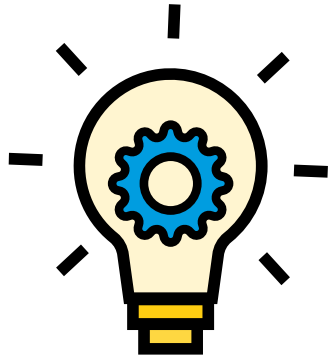


Faster

Consistent

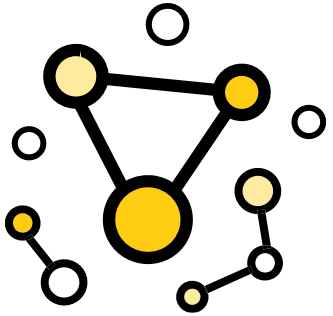


Transparent



Efficient

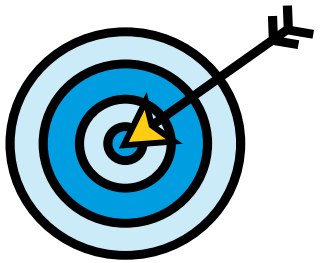
What problems do algorithms suit?



High volume

Low complexity

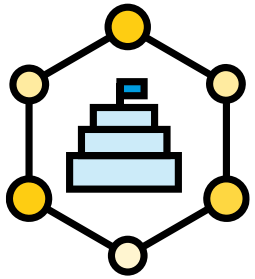
Speed is important



Consistency is important

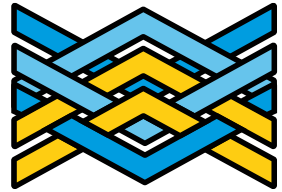
Why use the IDI?

Why use the IDI?

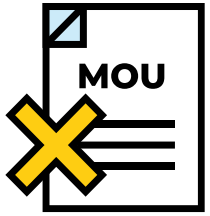


Integrated data across agencies

Clear privacy rules



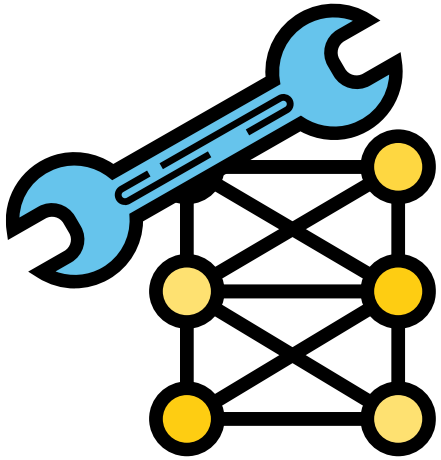
Ngā Tikanga Paihere / Five Safes



No MoU’s

Everyone is in the IDI

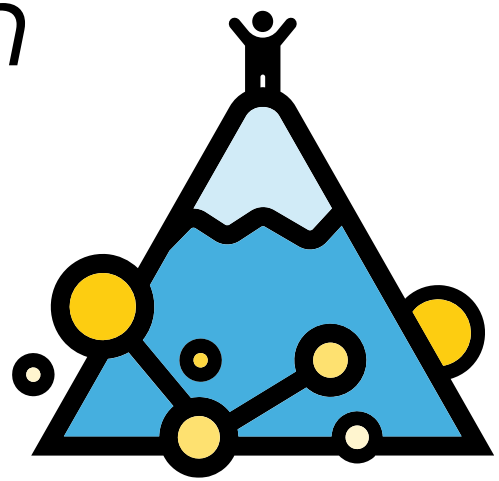
Building IDI algorithms - *technical*



- Build model in IDI
- Take insights and learnings
- What data do we require
- Build model outside the IDI

Building IDI algorithms

- broader solution

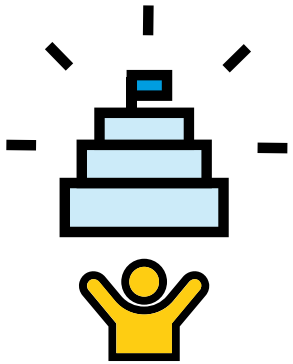


- Business Context
- Model Development Lifecycle
- Algorithm the right solution?
- Test biases
- Transparency
- Increasing access (e.g. Modular Coding)

Risks to building algorithms in the IDI

- Is the IDI set up for this?
- Social licence
- Trusting data in the IDI
- Including Communities

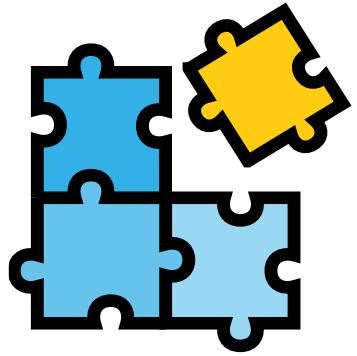
What this could mean



Better outcomes for government

Improved services for people/ communities

Improved Transparency



Include unmet need

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