Improved privacy for aggregated data sets

The problem	Our solution	Value pro	oposition	Advantage	Customer segments
Top 3 problems					
As a government agency wanting to meet their obligations by sharing data with either researchers and the public I need to know whether it is safe, in terms of privacy, to do so.	We will determine what sections of datasets are sensitive and need protection from what sections don't. We then anonymise the data by simplifying the sensitive sections so that individuals don't stand out and are not identifiable. This whole process is executed using algorithms in R (an open source software). The solution will initially only be used for social and demographic environments, however it is easily scalable to business scenarios and for reaching to a wider audience. After several rounds of validation the IP will be used to develop an "R Shiny" app.	We will be addressing data sharing & usage v automated and quanti ready to be used. Hent will be capitalising on s connections and solid	with the flexible, fied solution that is ce, in doing so, we Stats NZ's IP,	This solution is the only one in the market/NZ and the IP is ready for usage and has been internationally reviewed.	Agencies wanting to know more about how to fulfil their government obligations.
As a government agency that already has data available, I want to know why it is safe and if not, how do I make it safe, and about the right balance between providing what the users want and the safety that is necessary.	Кэлгү дүр.			We have connections/stewardship with other agencies.	Researchers & academia wanting to know that when they release their findings their output is completely confidential.
As a business owner, I'm not sure about what kind of metrics I should be using or how I should be measuring them on my data e.g. how to measure privacy, risk, utility etc. Hence I need privacy assurance and integration of data.				Stats NZ is a big data owner and already has a reputation built surrounding privacy. Stats NZ would like to recover some costs based on the build of the IP. Promoting privacy preserving data sharing is the first step for Stats NZ to promote the capacity building for organisations.	Business wanting to share data within units and create synergy with other organisations to better profit on the strategic asset.
As a user, I need data to be available for research.				Also from aggregation, the rate of drop in data quality is not as high as existing methods.	Data owners wanting to open up the possbility of creating different use cases or business models based on what they own.
A perceived dilemma is that privacy safety and utility of data cannot be achieved at the same time and the traditional process of assurance is manual and hence slow.					
Existing alternatives	Key metrics	High level concept		Channels	Early adopters
Statistics Netherlands developed their own variant of this called tau-ARGUS.	Safety	We have a method to maintain confidentiality and value when bringing together identifiable data sets.		Association meet-up groups	Agencies
	Utility Number of organisations that release datasets usin Number of datasets released with no personally id			Events/conferences or training around privacy/open data Connections with other agencies Stats NZ (stakeholders) Open Government Data Programme Social Media	Businesses
Scoring		ļ.	Revenue strean		
Complexity: 3 - Based on the understanding of what we know in the IP, there's still an element of understanding the definitions of the risks behind certain fields/data. Risk: 4 - There are ways to mitigate the risk around this venture. Risk metrics are calculated using a well-defined, automated algorithm that has been tested internationally. The anonymising algorithms have been used and tested, however there are			In the early stages, we will provide consulting services to generate quick revenue, and with sufficient use cases, we will encapsulate it into a generic product to sell.		
identifiable information in data. Effort: 3 - There are examples of this type of produc	ation. Hence, for the time being we will focus on ind ct/UI around data handling being done before. We w	-			
the solution using R Shiny. Acquisition: 2 - Stats NZ already has the product in	use and working with other government agencies.				
	nent doing something around protecting their priva	cy. This will ideally			