

Flow chart for the best-practice approach on the collection and use of data for location-based analysis



The Problem

I want to visualise my data and how it relates to a particular area or region within Australia or New Zealand.

Collecting Data

The best practice approach is to:

1. Collect a complete address
2. Validate the address at the point of collection using [Geocoded National Address File \(G-NAF\)](#) in Australia, or the [AIMS: Street Address Set](#) in New Zealand.

Geocoding Data

This allows data to be used for location-based analysis and business intelligence. For more information on geocoding, refer to the ABS' [Geocoding Unit Record Data Using Address and Location](#).

Privacy

If the data is sensitive, refer to the ABS' [Protecting Privacy for Geospatially Enabled Statistics: Geographic Differencing](#).

Geospatial Layer

Objective, audience, and privacy will determine which geospatial layer to use. If integration of geospatial and socio-economic information is required, refer to the ABS' [Using Geographic Boundaries and Classifications with Statistics](#). [New Zealand Statistical Areas](#) and boundaries are available from the [Stats NZ Geographic Data Service](#).