data sources for research

Source: OECD Better Life Index
http://www.oecdbetterlifeindex.org/countries/new-zealand/

Alexander Ritchie, MFCO Librarian
lies, lies and damn statistics...

‘A technology for extracting meaning from data and uncertainty.’

starting with statistics & data

- **Hand, D. Statistics: a very short introduction.**
  *Oxford: OUP, 2008*

- **Calling Bullshit** | Carl T. Bergstrom and Jevin West

- **StatsChat** – University of Auckland’s Statistics Blog
.data journalism?

- Data Journalism | Global Investigative Journalism Network
- Data Journalism at the Guardian
- Resources | Data Driven Journalism
- The Data Journalism Handbook | @ddjournalism
visualising data

DIAGRAM OF THE CAUSES OF MORTALITY IN THE ARMY IN THE EAST.

The areas of the blue, red, & black wedges are each measured from the centre as the common vertex.
The blue wedges measured from the centre of the circle represent areas for the deaths from Preventable or Mitigable Zymotic diseases; the red wedges measured from the centre the deaths from wounds; & the black wedges measured from the centre the deaths from all other causes.
The black line across the red triangle in Nov 1854 marks the boundary of the deaths from all other causes during the month.
In October 1854 & April 1855, the black area coincides with the red; in January & February 1855, the blue coincides with the black.
The entire areas may be compared by following the blue, the red & the black lines enclosing them.

https://understandinguncertainty.org/coxcombs
.visualising data

visualising data

https://insights.nzherald.co.nz/article/counting-crime/
figure.nz

Find and use figures about our country, for free.

Search charts, maps, and tables

Try searching for child health, dogs, or milk exports.
.aotearoa data sources

StatsNZ
Tatauranga Aotearoa

Statistics

- Population of NZ
  4,926,400
  at 31 December 2018

- Unemployment rate
  4.3%
  December 2018 quarter

- Consumers price index
  +1.9%
  December 2018 year

- Gross domestic product
  +0.6%
  December 2018 quarter

Data tools

- NZ.Stat
  View datasets in tables, customise variables and layout, and download Excel or CSV files.

- InfoShare
  Build tables from our biggest range of datasets, including long-term time series. View on screen or download Excel or CSV files.

- Statistics by place
  Stats about the population by region, city or district, Auckland local board area, and area unit.

More tools
New Zealand Government departments and agencies:

- ACC Statistics
- Education Counts - Statistics
- Ministry of Health Statistics
- Ministry of Transport | Research & Statistics
- Ministry of Social Development | Statistics
.aotearoa new zealand governmental data sources

https://www.data.govt.nz/
aotearoa new zealand
administrative data sources

- **Electoral Commission**
- **Local Government NZ** & **City Councils** & **Regional Councils**
.aotearoa administrative data

Crash Analysis System (CAS)

The NZ Transport Agency manages the Crash Analysis System (CAS) - New Zealand’s primary tool for capturing information on where, when and how road crashes occur.

The system provides tools to analyse and map crashes and enables users to identify high-risk locations and monitor trends and crash sites. This information helps inform transport policy, design and prioritise road safety improvements and monitor their effectiveness.

CAS is used by a range of organisations all with the broad aim of improving road safety. It is an essential tool in supporting Safer Journeys and its vision of a ‘safe road system increasingly free of death and serious injury’. It enables the transport sector, over the long term, to improve road safety through knowledge, research and the measurements of the effects of changes to the network and network user behaviour.

Delivering the new Crash Analysis System

Over the last few years the NZ Transport Agency, NZ Police and the Ministry of Transport have been working to improve how road crash information is recorded, processed and then provided to the road safety community.

There have already been some changes. The NZ Police now submit crash information electronically via iPhones. The Transport Agency is maximising this data by improving and modernising CAS through a replacement project.

New Crash Analysis System - differences and user guidance
.aotearoa new zealand
administrative data sources

FYI - Official Information Act Requests
newspaper sources

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international data sources

Other UNSD Databases:

Popular statistical tables, country (area) and regional profiles
.search tools for data & statistics

- Zanran
- Google Public Data
- Wolfram Alpha
- Zenodo
questions?

MFCO Subject Librarian | Kaitiaki Pukapuka

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