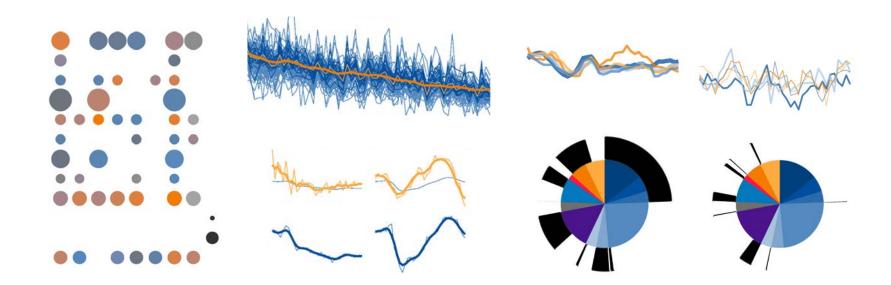


Towards a big data CPI for New Zealand

Paper presented at the Ottawa Group 2017, Eltville, Germany

Alan Bentley and Frances Krsinich

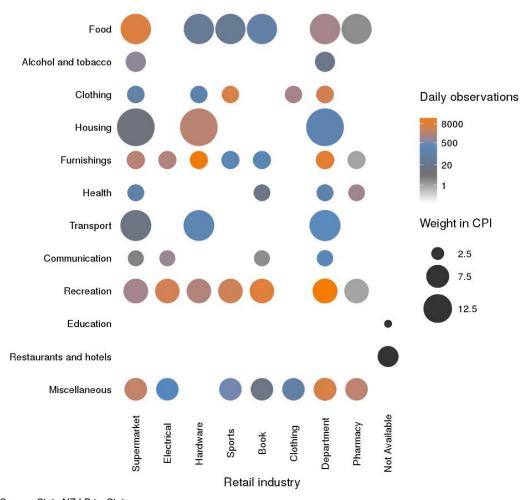




New data sources

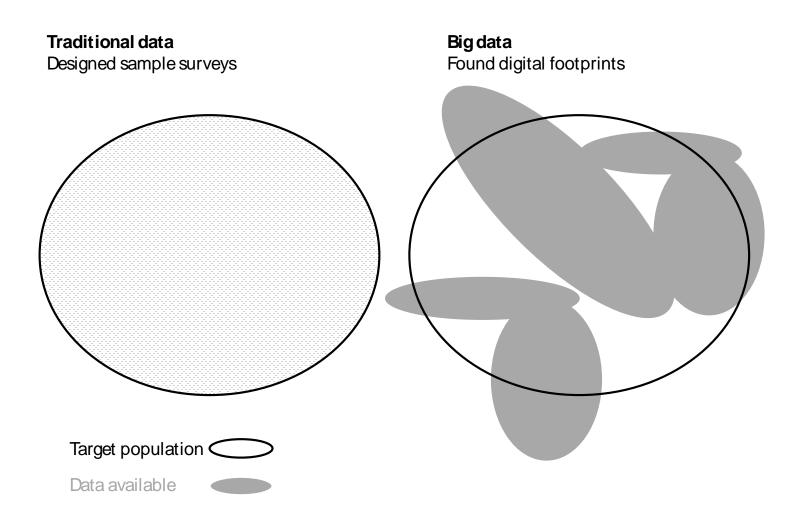


Online data trial: Spread across products and outlets



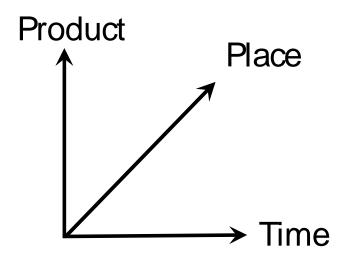
Paradigm shift





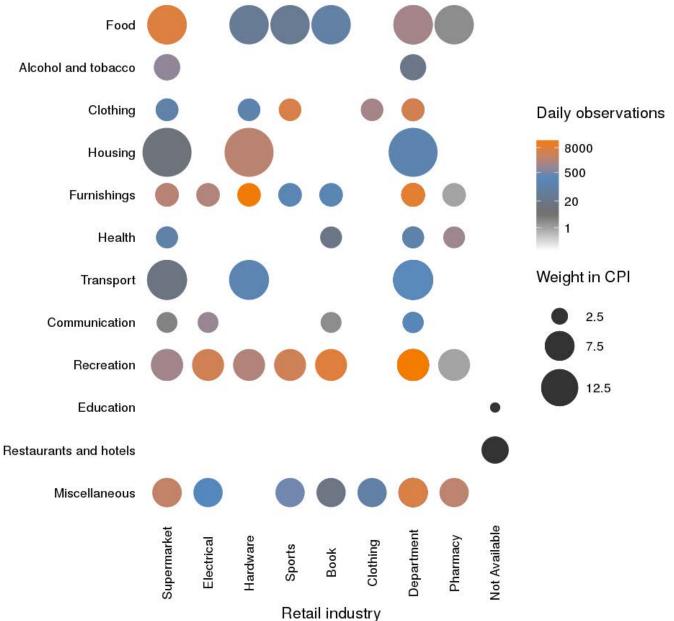
Assessing coverage





Online data trial: Spread across products and outlets

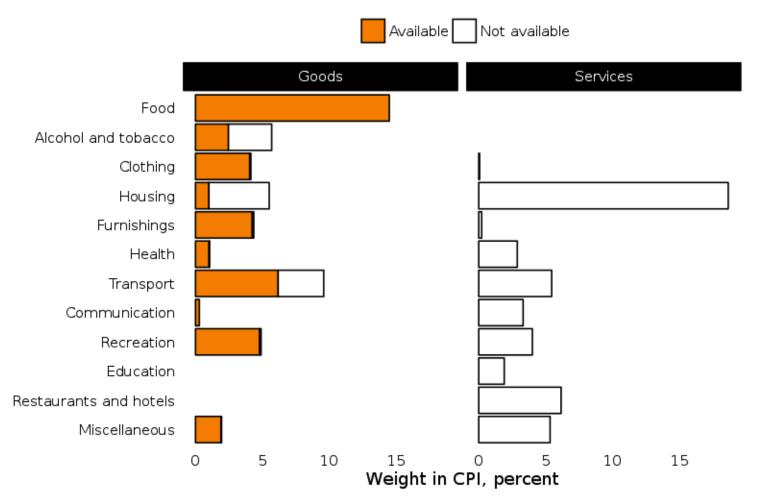




Product coverage



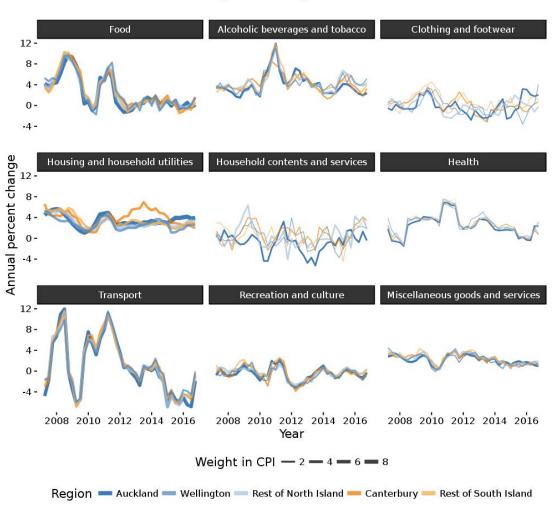
Online data trial: Better coverage of goods than services



Regional coverage



Little significant regional variation

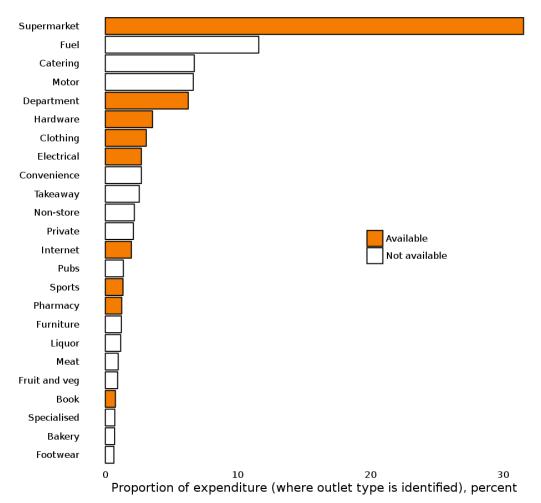


Source: Stats NZ

Outlet coverage



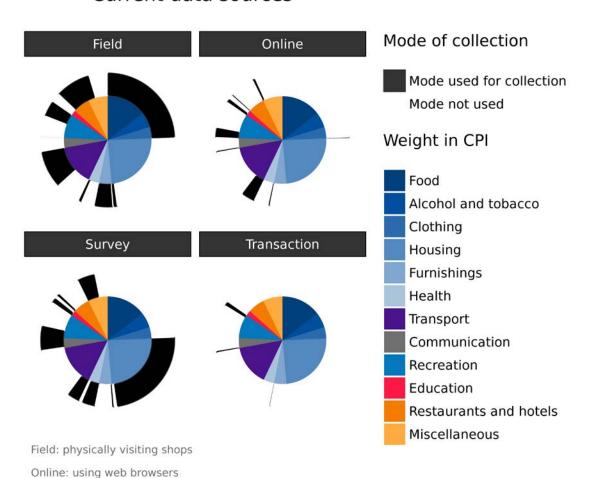
Online data trial: Coverage of top 20 outlet types



Implementation



Current data sources



Source: Stats NZ

Survey: directly from businesses

Transaction: point-of-purchase scanner data



Price, William Archer, 1866-1948 :Collection of post card negatives.

Ref: 1/2-001796-G. Alexander Turnbull Library, Wellington, New Zealand.

Warkworth.

/records/23190869

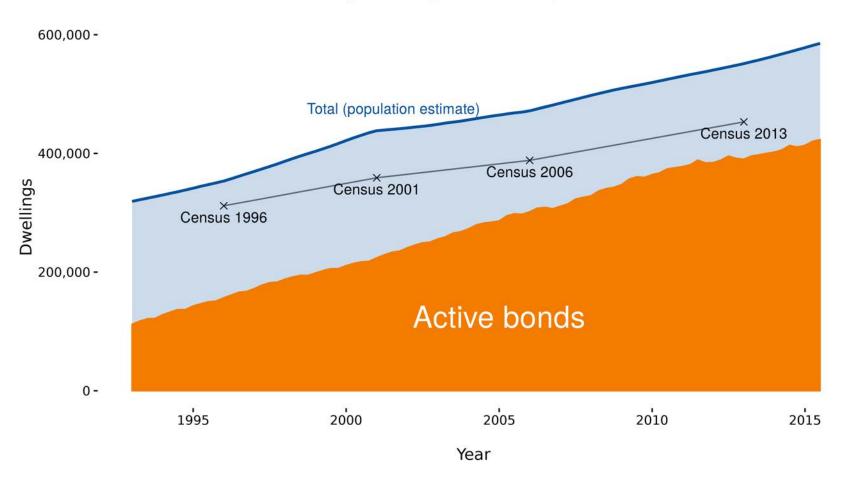
Cottages in Pulham Road, Warkworth part of Cottages in Pulham Road, PULHAM . POAD

ARKWORTH. 1410.

Rent



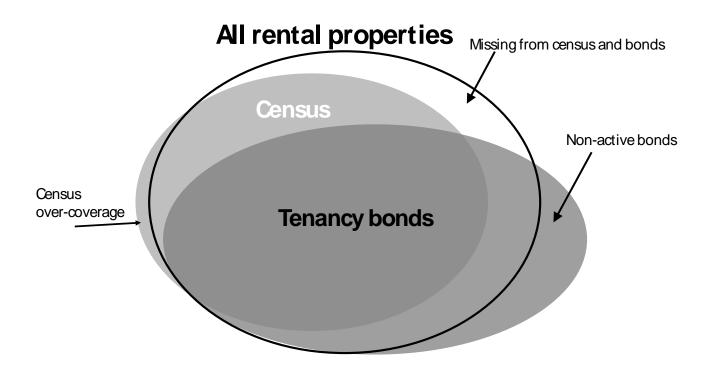
Growing coverage of tenancy bond data



Source: Stats NZ | Ministry of Business, Innovation and Employment

Rent: data sources

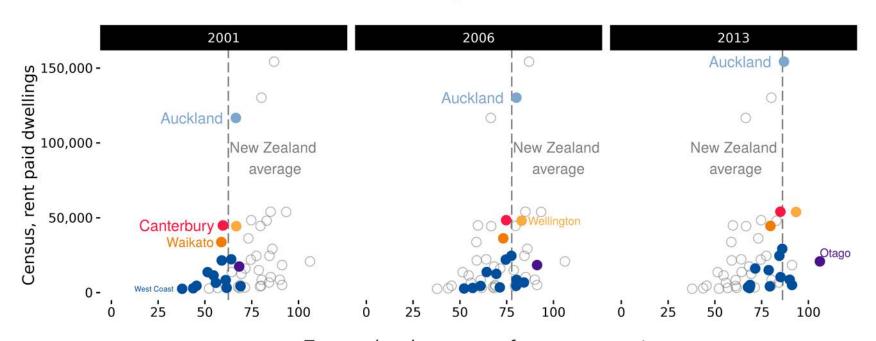




Rent: regional coverage



Better coverage of main centres



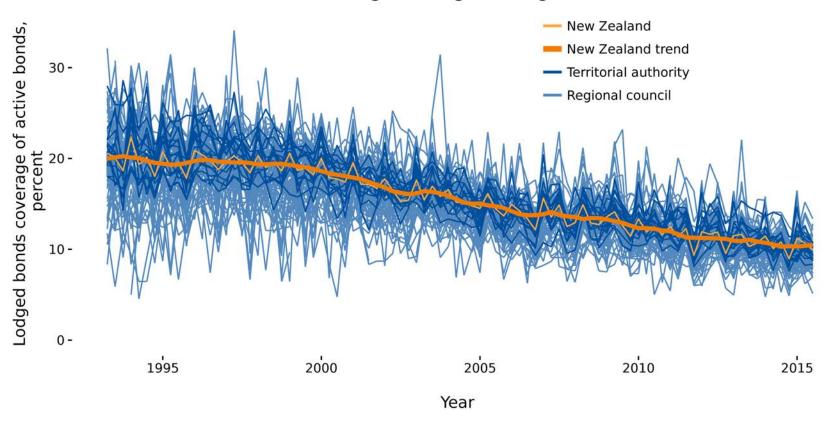
Tenancy bond coverage of census, percent

Source: Stats NZ | Ministry of Business, Innovation and Employment

Rent: temporal coverage



Stabilising coverage of lodged bonds

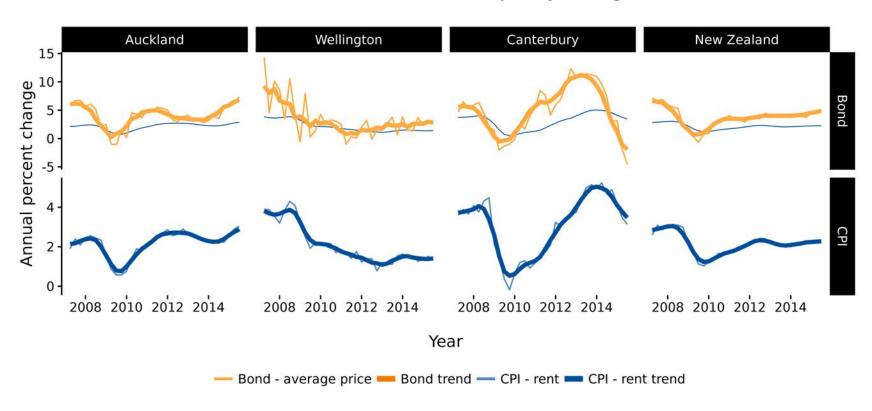


Source: Ministry of Business, Innovation and Employment

Rent: timing



Tenancy bond data appears a leading indicator, but does not account for quality change



Source: Stats NZ | Ministry of Business, Innovation and Employment