



APES WEEK 2019

ASIA-PACIFIC ECONOMIC STATISTICS WEEK

Integrating economic statistics in monitoring the 2030 Agenda

New Zealand: a case study

Big data for CPI

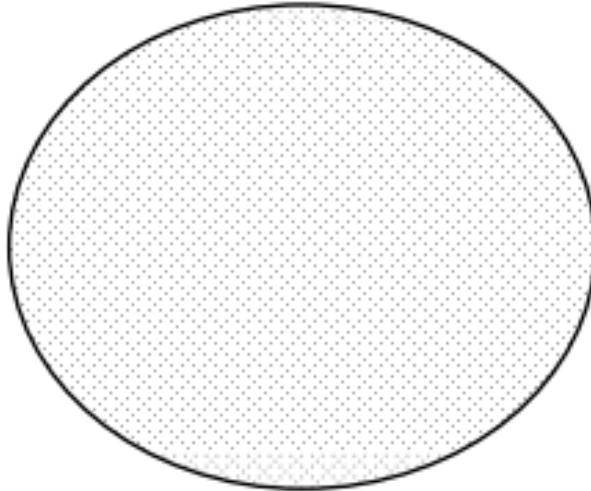
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Introduction

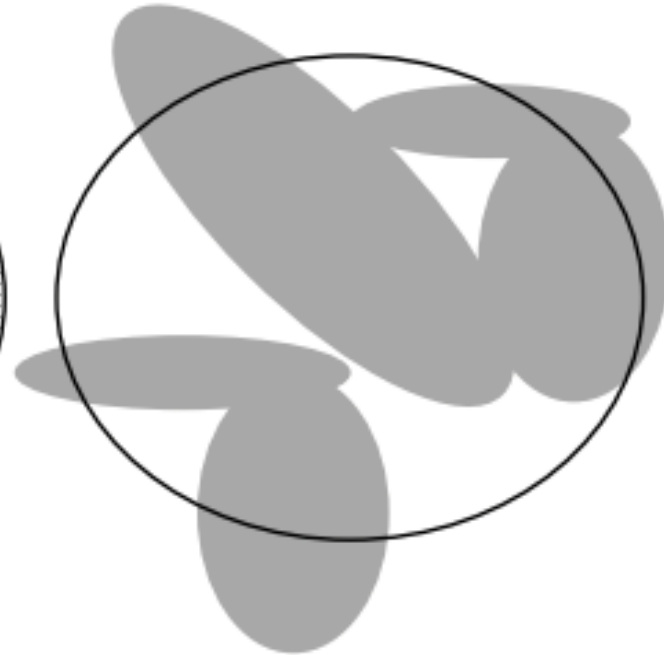
- New Zealand an early adopter of big data for CPI
- Hedonic methods since 2000 (used cars)
- Import price index - import data for mobile phones and TVs since 2013
- Scanner data for consumer electronics since 2014
- Tenancy bond data for rental index introduced 2019
- Actively researching online data for food price index


Paradigm shift: traditional to big data


Traditional data
Designed sample surveys



Big data
Found digital footprints

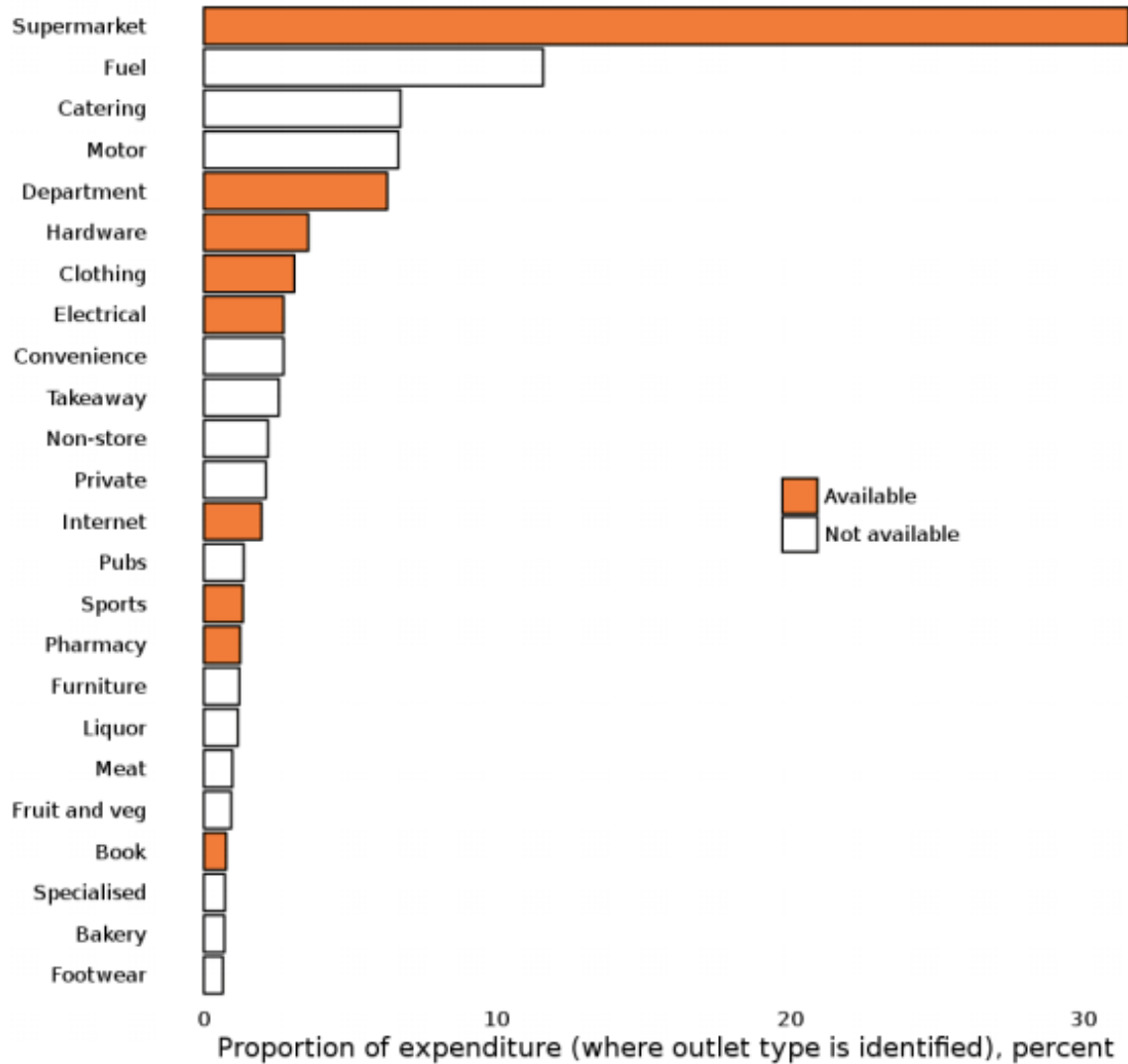


Target population 

Data available 

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Online data trial: Coverage of top 20 outlet types



Some key points

- An initial focus on methodology paid dividends - no need for characteristics (FEWS)
- Collaboration (Netherlands, Australia, Ottawa Group, EMG, UNECE/ILO, UN GWG)
- Production process important and non-trivial
- Documentation important - black boxes don't work for long
- Ongoing developments (eg online data from PriceStats, scanner data for supermarkets)