

Information on Time Series datasets

The datasets were downloaded from Infoshare:

<http://www.stats.govt.nz/infoshare/Default.aspx> on 6 December 2012, and formatted for importing into iNZight.

Retail sales

RetailNZTS4 **Monthly data** **4 columns** **185 rows**

This series gives the monthly retail sales in millions of dollars for four categories of goods in New Zealand. (There are many more categories available at infoshare).

Rec_goods is recreational goods, and includes sport and camping equipment, toys and games, books and stationery, photographic equipment and marine equipment.

Clothing is clothing and softgoods retailing, and includes clothing and Manchester.

Footwear and **Chemist** are as stated.

Employment conditions

WorkhoursNZTS27 **Quarterly data** **27 columns** **95 rows**

Average Weekly Paid Hours (FTEs) by Sector and Sex (Qrtly-Mar/Jun/Sep/Dec)

- First part of the name is Pub/Priv/All for Public, Private or both sectors
- Second part of name is Male/Fem/Both for male, female or both
- Third part of the name is Ord/Ov/Tot for ordinary hours, overtime hours or total hours.

For example:

- PubMaleOrd: Public Sector, Male, Ordinary hours
- AllBothTot: Both sectors, both sexes, total hours

There is mild seasonality in some series.

HourlyMFNZTS9 **Quarterly data** **9 columns** **53 rows**

Average Hourly Earnings by Size of Firm and Sex (Qrtly-Mar/Jun/Sep/Dec)

Small firm = <2.5 employees.

Strong trend. Little seasonality. Shows the gender gap.

Tourism and travel

AccRegNZTS13 Monthly data 13 columns 195 rows

Accommodation Survey : Guest Nights by Region (Monthly) in thousands

This is really interesting – as there are different seasonal patterns by region.

AccomNZTS12 Monthly data 12 columns

Accommodation Survey: Occupancy rate (percent) and average stay length (in days)

For Total, Hotel, Motel, Backpackers, Holiday Park, Total excluding Holiday Park.

Another really interesting set, as it gets you thinking about the different customers for the types of accommodation.

NZDestNZTS9 Monthly data 9 columns 170 rows

Average number of short-term NZ travellers overseas by main destination (Monthly)

You can see the effect of school holidays, which differs between countries of destination.

VisitorsNatNZTS9 Monthly data 9 columns 170 rows

Average number of visitors in New Zealand by country of residence (Monthly)

The seasonal patterns are different between the countries, due to hemisphere and school holidays.

Births

BirthsNuptialNZTS6 Quarterly data 3 columns 247rows

This gives numbers of births in and out of wedlock starting in 1951. You can see the twenty year “baby boom” cycle.

BirthsNZTS1 Monthly data 2 columns 388 rows

Do births occur more in one month than in others? The first column gives the raw series. You can see quite a dip in February. The second column is the first column, divided by the number of days in each of the months. The seasonality is much smoother as a result.