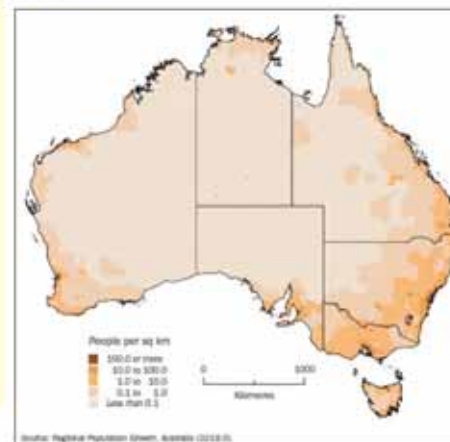
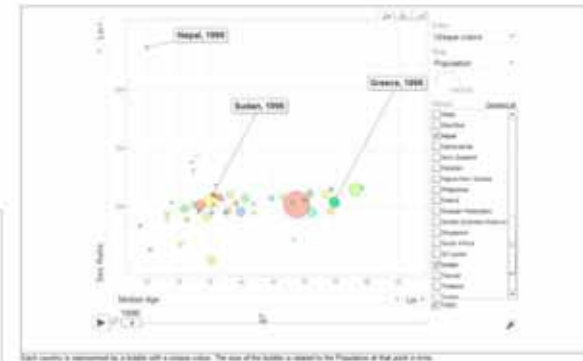
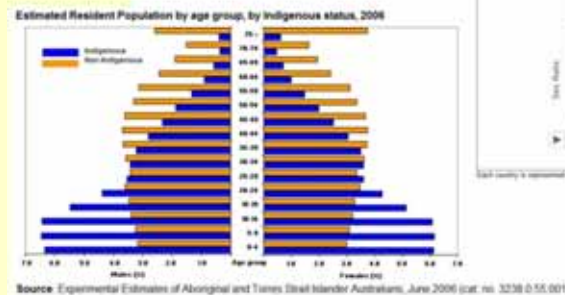


Spotlight on Population Resources for Geography Teachers

Pat Beeson,
Education Services,
Australian Bureau of Statistics

Population

- Population size
- Distribution
- Age Structure
- Ethnic composition
- Gender
- Growth rates
- Local area data



Spotlight on ABS

Let's begin by putting the spotlight on you!



<http://spotlight.abs.gov.au/>

NICKNAME'S PERSONAL INFOGRAPHIC

*BASED ON 2006 CENSUS DATA
CREATED BY SPOTLIGHT.ABS.GOV.AU

WHERE SHE LIVES:



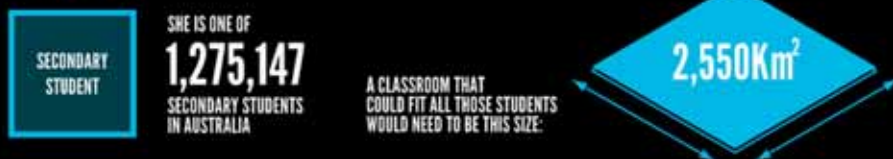
WHERE SHE'S FROM



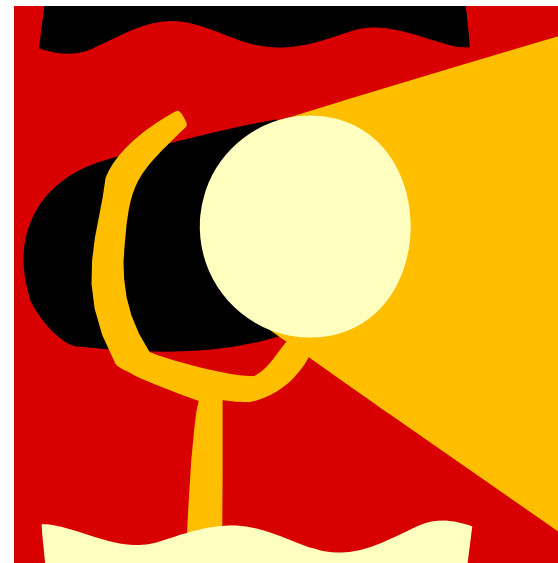
HER AGE



WHAT SHE DOES



Let's Shed
Some Light
on ABS
Website





Australian Bureau of Statistics

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Labour Force

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Measures of Australia's Progress

Regional Statistics

Selected information with a regional focus

National Regional Profile

State and Territory Indicators

Key Products

Australian Social Trends

Australian Year Books

Australian Economic Indicators

Papers and Articles

Selected information & statistics on a range of topics

Economy

Environment & Energy

Industry

People

Regional

International Statistics

Other Statistical Agencies

All Headlines Labour Force: Employment increased 23,400 persons to 11,455,200 in June 2011 (seasonally adjusted) (released 7 July 2011)

Spotlight on ...



ABS launches State and Territory Statistical Indicators - new resource with new features

A new resource for users of state and territory data is now available. This dynamic product contains interactive graphs and other features making it easy to navigate and visually pleasing. It includes information of relevance to individual jurisdictions; providing consistent content across jurisdictions. Find out more about the [State and Territory Statistical Indicators](#)

Product Releases

[Previous](#) | [Upcoming](#) | [All Updates](#)
[ABS Release Calendar](#)
[Main Economic Indicators](#)

Releases for Wednesday 27 July 2011 at 11.30am (Canberra time)



CPI rises 0.9% in the June quarter 2011; rises 3.6% through the year - [Consumer Price Index, Australia](#) (cat. no. 6401.0) [View the Media Release](#)



[Autism in Australia](#) (cat. no. 4428.0)

Media Releases

[View All](#)
[Subscribe](#)

07/07/2011 Australia's unemployment rate steady at 4.9 per cent in June 2011

06/07/2011 1.1 million Queenslanders use some form of flexible working arrangements

05/07/2011 \$43 Billion generated by health care businesses

04/07/2011 Dwelling approvals continue to weaken in May

04/07/2011 Retail turnover falls 0.6% in May 2011

This page last updated 27 July 2011



**AUSTRALIAN
POPULATION CLOCK**
22,662,325
1 new person: 1 min 27 sec
[How does this work?](#)

Census
9 August 2011
For a brighter future

2011-2014 **EA**
Proposed ABS
Enterprise Agreement

MicroDATA

**THE AUSTRALIAN
HEALTH SURVEY**

BetaWorks
where ideas grow

**ABS
Presents...**
online video series

**Survey
Participant
Information**

Education Web Pages



Education Services



Education Services webpages are being revitalised. If you can't find information or a page that you want, please contact us on 1800 623 273.

Bringing Data to Life in the Classroom

Teachers	Students	Quick Links	Eye On
<ul style="list-style-type: none"> Economic Datasets Social Datasets History Datasets and Visualisations Interactive Population Pyramid Datasets About Education Services Statistical Literacy Competencies Statistical Literacy Contact Us Feedback 	<ul style="list-style-type: none"> Mathematics Activities Geography Activities Census Activities Teacher Submitted Stats Quest: Student Work Games - ABS Games - Education Services Australia ABS Video Tutorials Steps in Running A Survey Interesting Stats Professional Support Materials 	<ul style="list-style-type: none"> CensusAtSchool Indigenous Statistics for Schools Education News Interactive ABS Graphs For Librarians Statistical Stories FactsOnStats Statistical Language Social Studies list Business Studies list Economic list Census Measuring Australia's Economy Australian Social Trends Careers in Statistics Careers in the ABS FAQs Australian Curriculum Maths Glossary 	<p>New Census Activities</p> <ul style="list-style-type: none"> Activities for students about the Census of Population and Housing. <p>The 2011 CensusAtSchool Questionnaire has closed</p> <ul style="list-style-type: none"> 2011 data is now available in Random Sampler

Catalogue Numbers

Statistics

The Statistics section of the Australian Bureau of Statistics (ABS) website gives you access to the full range of ABS statistical and reference information. It is updated weekdays at 11.30am, Canberra time.

Everything on the ABS website is accessible [free of charge](#). You can now [Interact with our Data](#), and also [get help](#) on finding, using and [understanding statistics](#).

All Statistics by

Catalogue Number **Release Date** **Topic** **Title** **Statistics Filter** **CURF**

Popular Statistics [Based on our web analytics](#)

Alcohol
[Alcohol Consumption of Alcohol](#)
[Alcohol Consumption in Australia, A Snapshot](#)

Building Approvals
[Building Approvals](#)

Crime
[Crime and Safety Australia](#)

Employment/Unemployment
[Labour Force, Australia](#)

Gross Domestic Product (GDP)
[National Accounts, National Income, Expenditure and Product](#)

Household Expenditure
[Household Expenditure Survey](#)

Income
[Household Income and Wealth](#)
[Employee Income and Taxes](#)

Indigenous
[Indigenous Population and Torres Strait Islander Statistics](#)
[The Health and Welfare of Australia's Indigenous and Torres Strait Islander Peoples](#)

Inflation
[Consumer Price Index](#)
[Producer Price Index](#)
[Labour Cost Index](#)

International Accounts
[Balance of Payments and International Investment Position](#)
[International Trade in Goods and Services](#)

Internet
[Household Internet Use](#)
[Internet Subscribers and Internet Service Providers](#)

Obesity
[National Health Survey, Summary of Results](#)
[Overweight and Obesity in Adults](#)
[Health of Children in Australia, A Snapshot](#)
[Australian Social Trends article, Children who are Overweight or Obese](#)

Population
[Population Clock \(Australia's Current Population\)](#)
[Population for States and Territories](#)
[Population for Local Government Areas](#)
[2008 Census Data by Location](#)

Religion
[Year Book Australia article, Religious Affiliation](#)

Retail Trade
[Retail Trade Australia](#)

Suicide
[Suicides Australia](#)
[Causes of Death, Australia](#)

Tourism
[Tourist Accommodation](#)
[Domestic Arrivals and Departures](#)

This page last updated 29 October 2010

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1. General
2. Census
3. Demography (births, deaths, migration, population)
4. Social (education, health, environment)
- 5 – 9 National accounts, labour, agriculture, industry and transport

Use the tabs

3412.0 - Migration, Australia, 2008-09 [Quality Declaration](#)
LATEST ISSUE Released at 11:30 AM (CANBERRA TIME) 29/07/2010






- Summary
- Downloads
- Explanatory Notes
- Related Information
- Past and Future Releases

Please collect: Publications of Use to Geography Teachers: Population


Downloads

Downloads | Explanatory Notes | Related Information | Past & Future Releases



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Publications



3412.0 - Migration, Australia 



Data Cubes



Estimated resident population, Selected countries of birth, age and sex—30 June 1996 to 2009  

Net overseas migration, Arrivals and departures, State/territory, age and sex—Calendar and Financial years, 2004 to 2009  

Interstate migration: Arrivals, departures and net, State/territory, age and sex—Calendar and Financial years, 1997 to 2009  

Estimated resident population, Country of birth, Median age—30 June 1996 to 2009  

Estimated resident population, Country of birth, Sex ratio—30 June 1996 to 2009  

Estimated resident population, Selected countries of birth, State and territory by age—30 June 2006  

This page last updated 5 August 2010

Population Clock and Population Pyramids

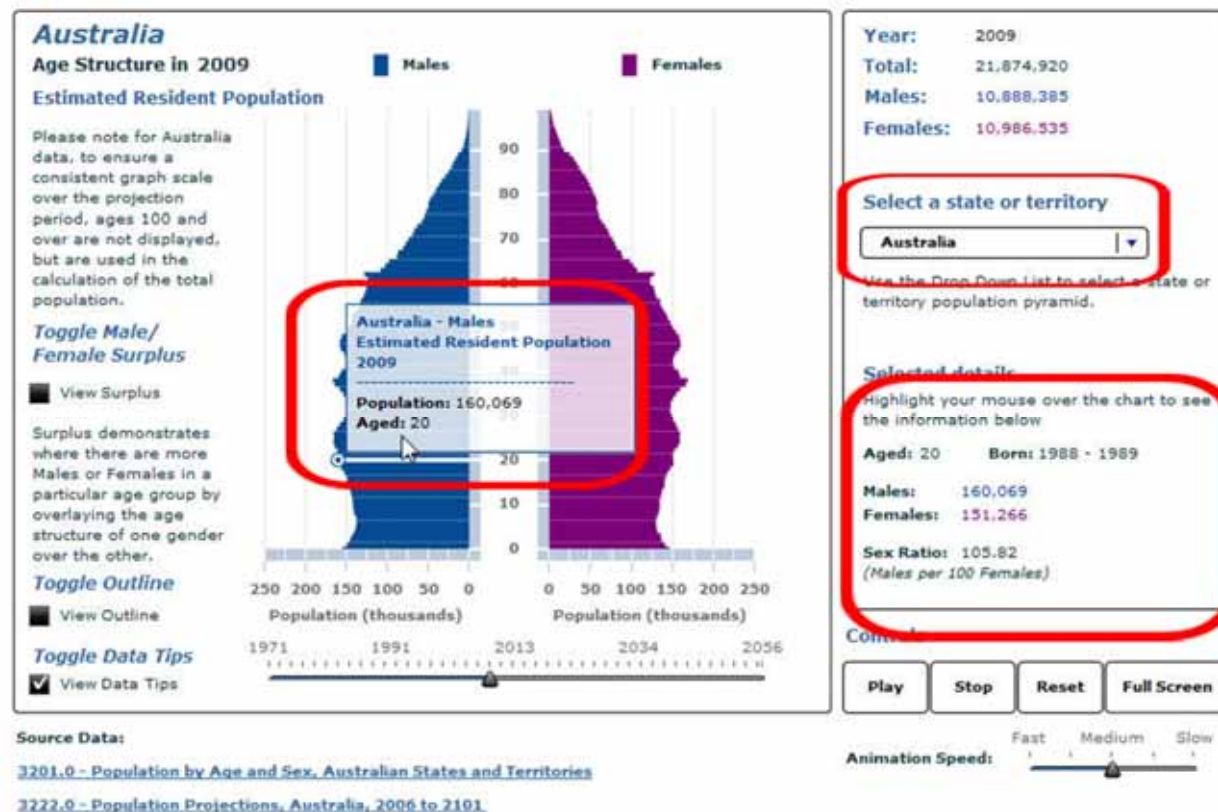


On 2 August 2011 at 02:12:53PM (Canberra time), the resident population of Australia is projected to be:

22,667,772

- One birth every 1 minute and 46 seconds
- One death every 3 minutes and 40 seconds
- A net gain of one international migration every 3 minutes and 05 seconds
- Overall total population increase of one person every 1 minute and 37 seconds
- Links to animated population pyramids and historical population statistics

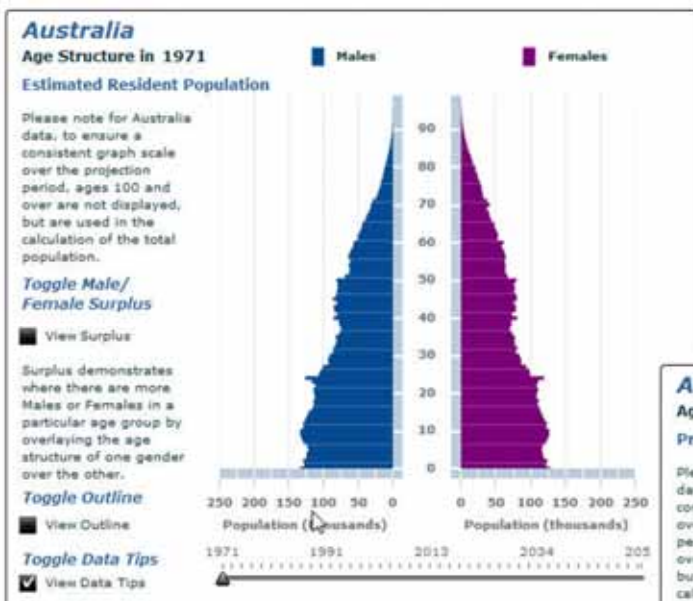
Animated pyramids



Links to historical and other demographic statistics

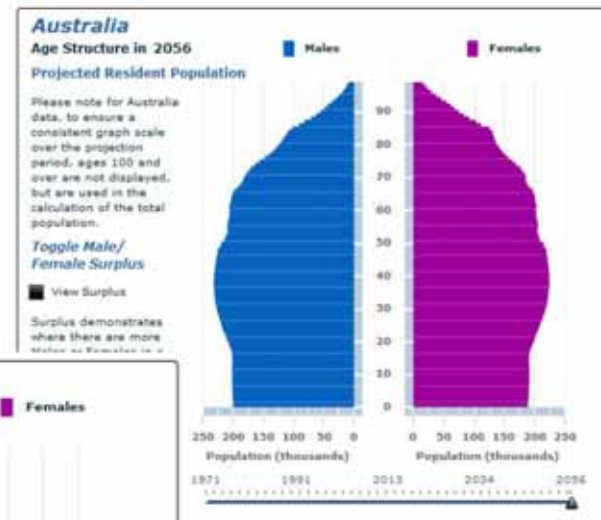
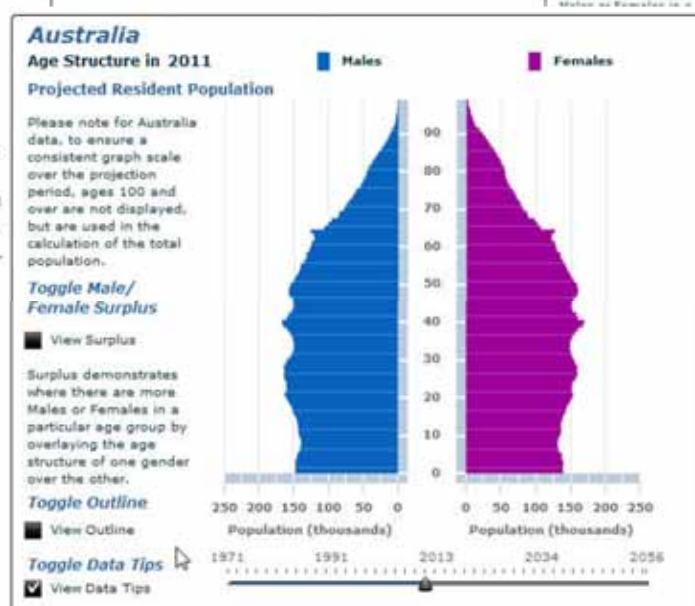
Requires free plug in from Adobe Flash Player

Australia: 1971, 2011, 2056



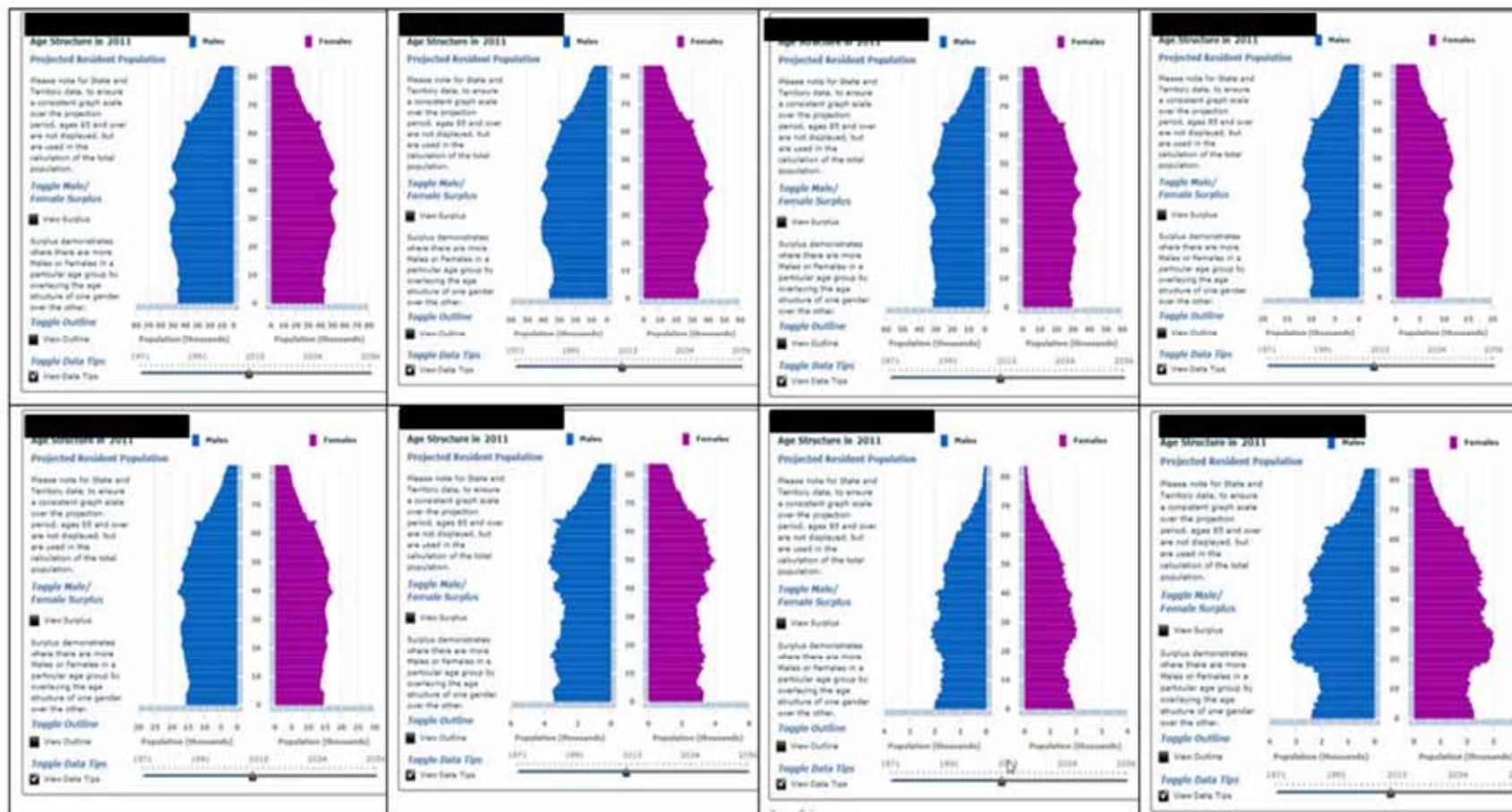
1971

2011



2056

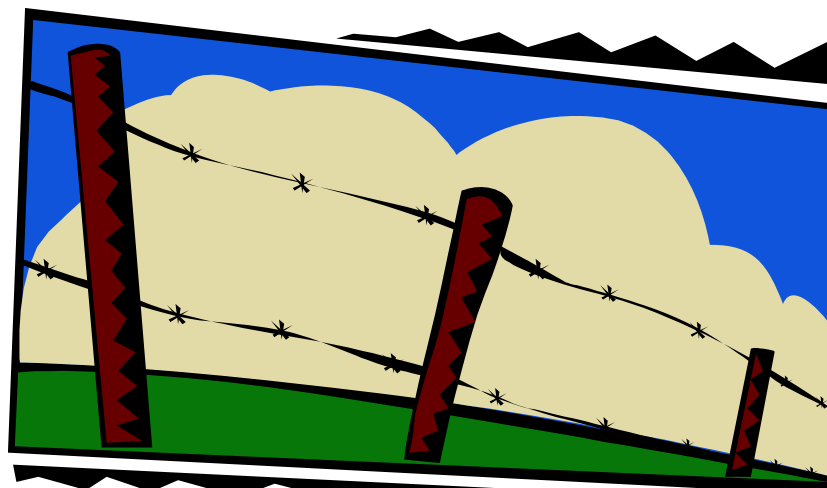
Population Structure



Competition: Guess the state or territory

Estimated Resident Population(ERP)

Official Population Count.

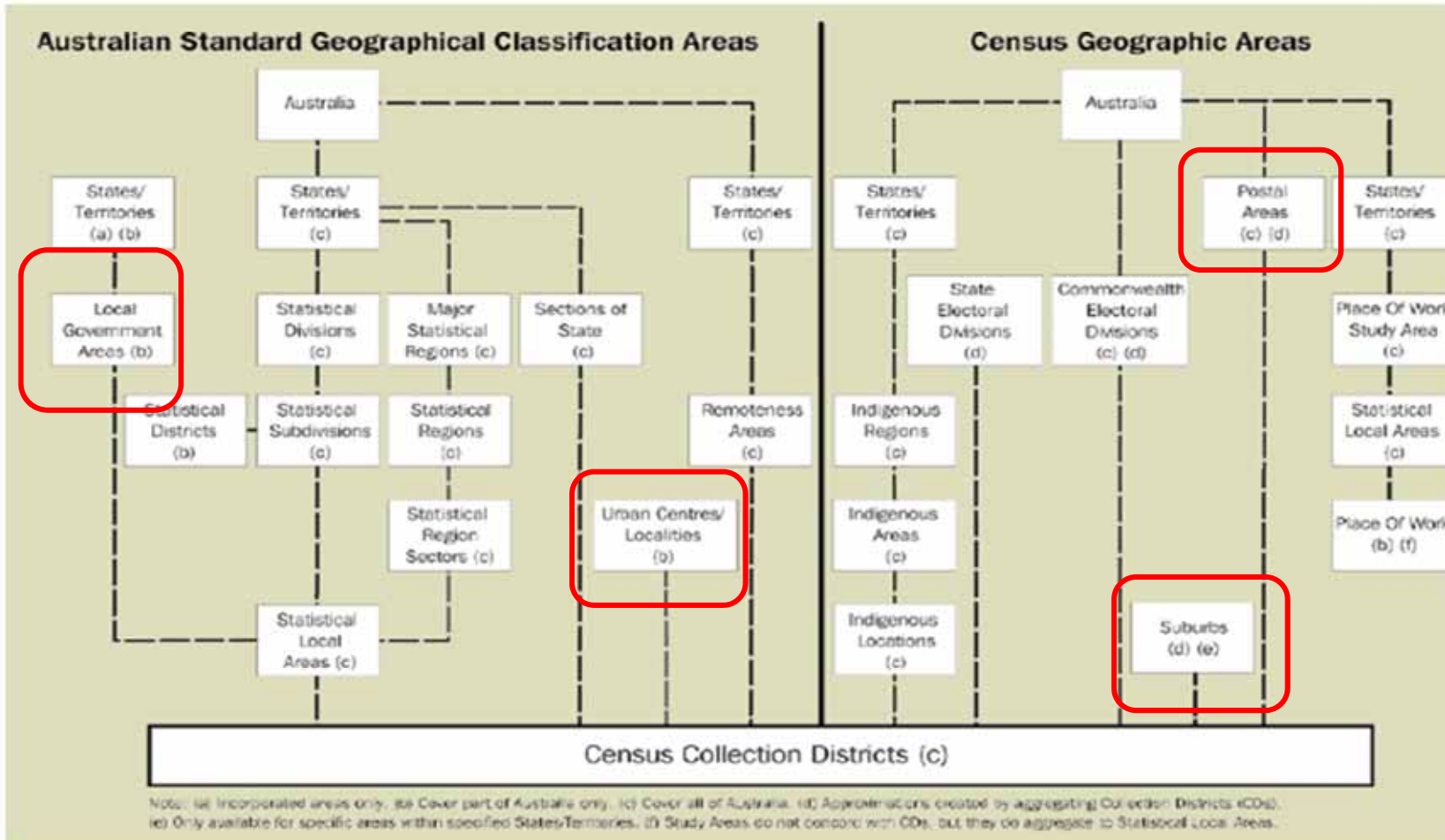


Australian Demographic Statistics – Cat. no. 3101.0

Population by Age and Sex – Cat. no. 3201.0

Regional Population Growth – Cat. no. 3218.0

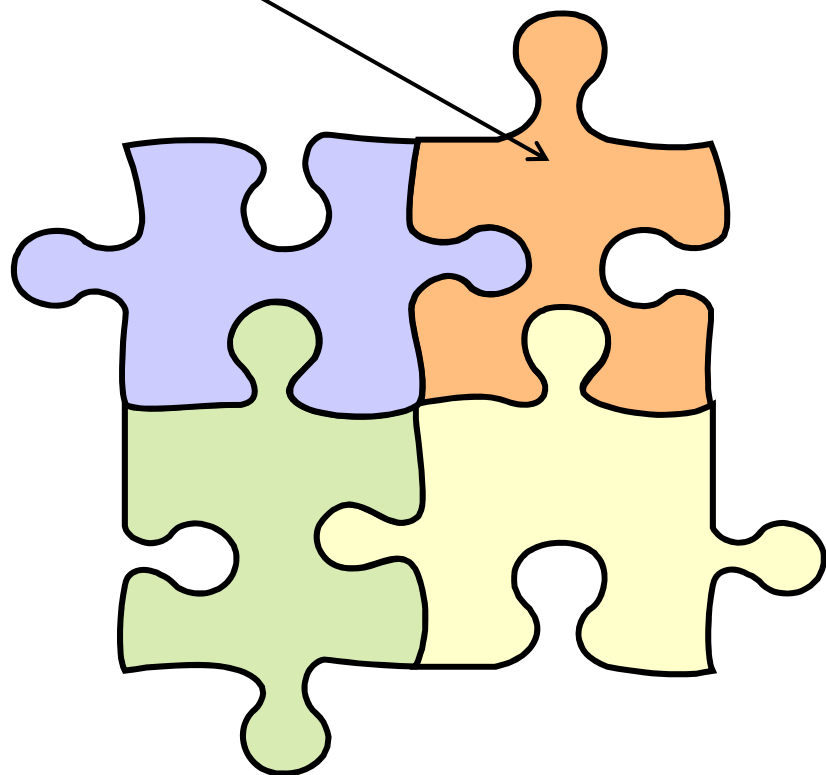
Old ABS Geography- ASGC



Changing ABS Geographies

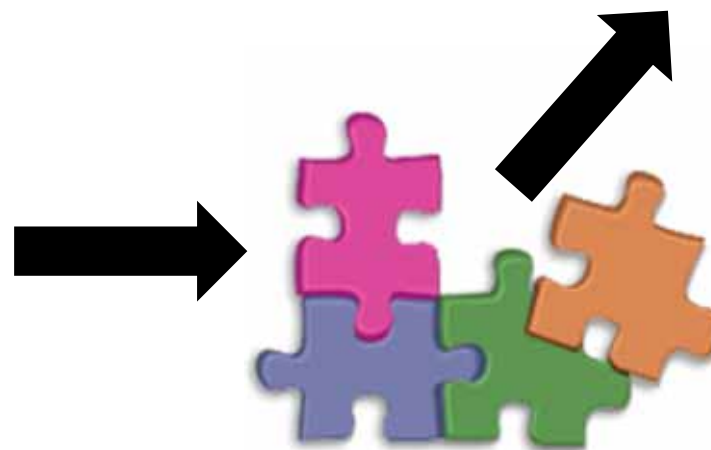
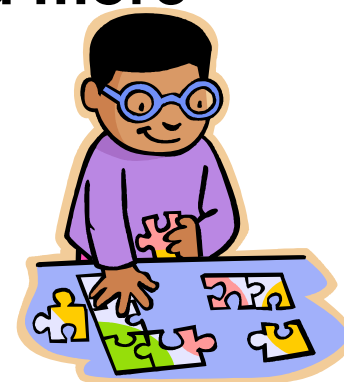
Collection Districts

Collection district



Mesh Blocks and more

347,627 mesh blocks
Census – population
and dwellings only



Mesh Blocks NSW



The Australian Statistical Geography Standard (ASGS): Structure and Summary

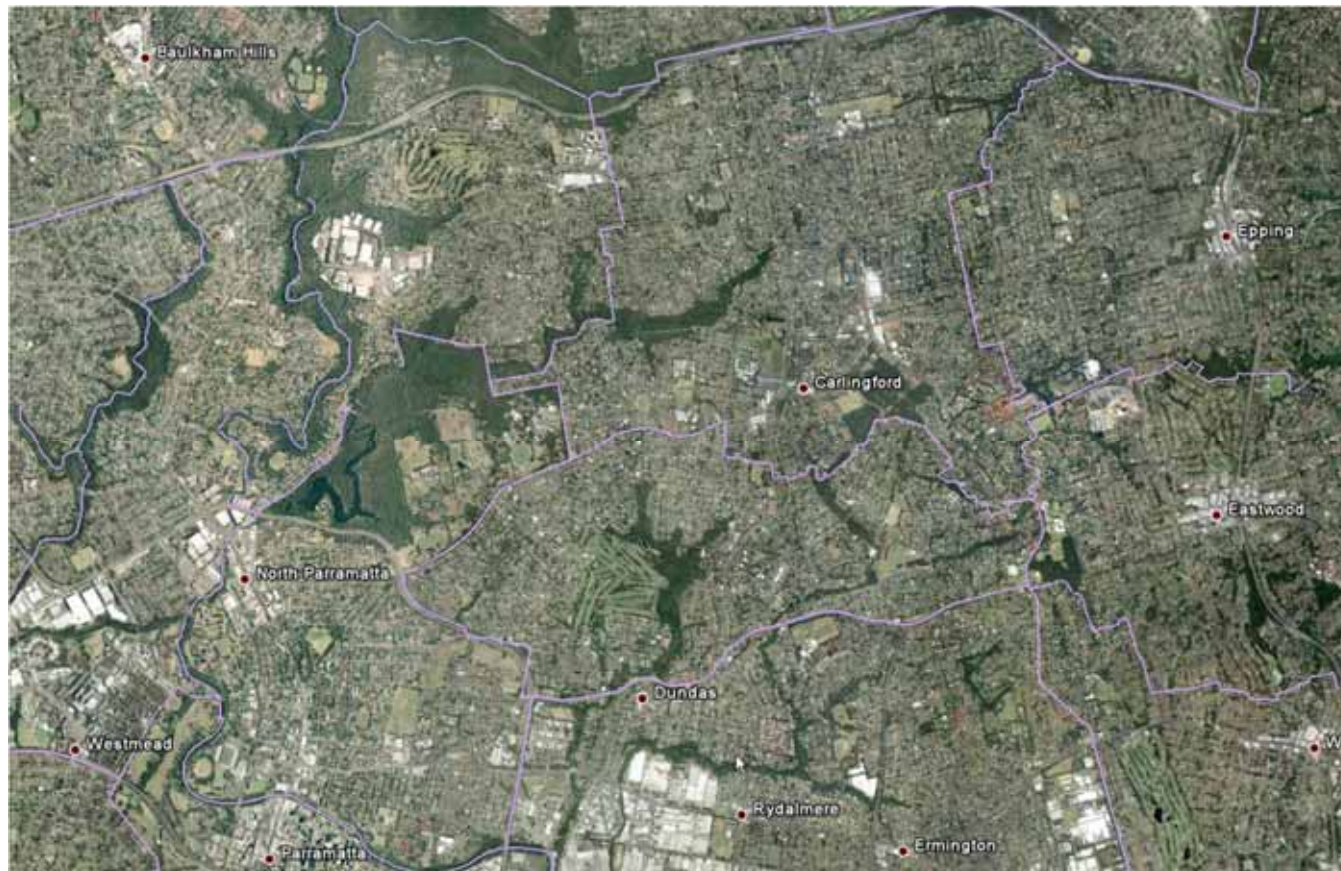
SA 1 Rural NSW



SA 1 Urban NSW



SA 2 Urban NSW



Digital Boundaries

- FREE
- For GIS use
- Geographies - ASGC, Census and new ASGS
- ESRI .shp and MapInfo .MIF formats
- Downloadable zip files
- Join data to map using a common field

For Catalogue numbers see Guide
to ABS website or pick up a listing
from my desk

ASGS digital boundaries

1270.0.55.003

- Australian Drainage Divisions
- Natural Resource Management Regions
- Tourism Regions
- LGA
- Postal Areas
- State suburbs
- Commonwealth Electoral Divisions
- State Electoral Divisions

Census Products

Census Data

Access Census Data Online [Quality Declaration](#)

This page provides you with access to all Census data that is available online. Census data is displayed based upon your selected location and topic of interest, and can be viewed in different formats including thematic maps or tables. You can search for data based primarily on your selected location or topic, or you can go straight to one of the online tools to access data in the format you need:

Find Census data by Location:

[2006 Census](#) - [2001 Census](#) - [1996 Census](#)

Find Census data by Topic:

[2006 Census](#) - [2001 Census](#)

Find Census data using our Online Tools:



QuickStats - provide a summary of key Census data relating to persons, families and dwellings. QuickStats cover general topics about your chosen location and include Australian data to allow comparison.

[2006 QuickStats](#) - [2001 QuickStats](#)



MapStats - provide thematically mapped Census statistics for your chosen location. The maps illustrate the distribution of selected population, ethnicity, education, family, income, labour force, and dwelling characteristics.

[2006 MapStats](#) - [2001 MapStats](#)



Census Tables - are designed for clients who are interested in data on a specific topic. Census Tables provide individual tables of Census data for a chosen location in excel format.

[2006 Census Tables](#) - [2001 Census Tables](#)



Community Profiles - are available as six distinct profiles of key Census characteristics relating to persons, families and dwellings, and covering most topics on the Census form for your chosen location.

[2006 Community Profiles](#) - [2001 Community Profiles](#)



CDATA Online allows you to create your own tables of Census data on a range of topics such as, age, education, housing, income, transport, religion, ethnicity, occupation and more. All Census geographies will be available, from a single collection district to an entire state/territory or Australia. [More info...](#)

[2006 CDATA Online](#)



TableBuilder - Census TableBuilder is an online tool which allows you to create your own tables of Census data by accessing all variables contained in the Census Output Record File for all ABS geographic areas. It is a charged subscription service.

[More info...](#)

[Access TableBuilder](#)

Can't find what you're looking for? More Census products are available on the [Census Products](#) page.

QuickStats

Current Selections: 2525 (Postal Area) - NSW

Select a location using one of the following selection methods:

Search

Address Search

States & Cities

Browse

Map

☒ Choose a type of location.
 HINT: Use this list to drill down to any location in Australia e.g. postal areas, suburbs or local government areas.
[Which location do I select?](#)

products Postal Area

☒ Select a State:
 New South Wales


☒ Select a Postal Area and then click 'Select Product'.

2525
 2526
 2527
 2528
 2529
 2530
 2533
 2534
 2535
 2536

Select Product >

Map is not clickable

☒ Display map



© Commonwealth of Australia & [PSMA Australia](#) 2007

QuickStats

- Persons, Families, Dwellings
- One area
- Statistics as a percentage of all people
- Australia comparison
- Based on Place of Usual Residence, 2006

On this page:

[Person Characteristics](#) | [Age](#) | [Selected Characteristics](#) | [Country of Birth](#) | [Main Language Spoken at Home](#) | [Religious Affiliation](#) | [Marital Status](#) | [Labour Force](#) | [Occupation](#) | [Industry of Employment](#) | [Income](#) | [Family Characteristics](#) | [Dwelling Characteristics](#) | [Dwellings Characteristics Occupied Private Dwellings](#) | [Tenure Type](#) | [Household Composition](#) | [Landlord Type](#)

PERSON CHARACTERISTICS

(Place of usual residence)

PERSON CHARACTERISTICS	Selected Region	% of total persons in Region	Australia	% of total persons in Australia
Total persons (excluding overseas visitors)	10,524	-	19,855,288	-
Males	5,256	49.9%	9,799,252	49.4%
Females	5,268	50.1%	10,056,036	50.6%
Indigenous persons (comprises Aboriginal and Torres Strait Islander)	100	1.0%	455,031	2.3%

In the 2006 Census (held on 8th August 2006), there were 10,524 persons usually resident in 2525 (Postal Area): 49.9% were males and 50.1% were females. Of the total population in 2525 (Postal Area) 1.0% were Indigenous persons, compared with 2.3% Indigenous persons in Australia.

AGE	Selected Region	% of total persons in Region	Australia	% of total persons in Australia
Age groups:				
0-4 years	678	6.4%	1,260,405	6.3%
5-14 years	1,441	13.7%	2,678,807	13.5%
15-24 years	1,282	12.2%	2,704,276	13.6%
25-54 years	4,172	39.6%	8,376,751	42.2%
55-64 years	1,369	13.0%	2,192,675	11.0%
65 years and over	1,584	15.1%	2,644,374	13.3%
Median age of persons	39	-	37	-

In the 2006 Census 20.1% of the population usually resident in 2525 (Postal Area) were children aged between 0-14 years, and 28.1% were persons aged 55 years and over. The median age of persons in 2525 (Postal Area) was 39 years, compared with 37 years for persons in Australia.

SELECTED CHARACTERISTICS	Selected Region	% of total persons in Region	Australia	% of total persons in Australia
Australian citizenship	9,583	92.0%	17,095,569	86.1%
Persons born overseas	2,252	21.4%	4,416,037	22.2%
Overseas visitors (excluded from all other classifications)	32	0.3%	206,358	1.0%

In the 2006 Census, 92.0% of persons usually resident in 2525 (Postal Area) were Australian citizens, 21.4% were born overseas and 0.3% were overseas visitors.

COUNTRY OF BIRTH MAIN RESPONSES IN SELECTED REGION	Selected Region	% of total persons in Region	Australia	% of total persons in Australia
Australia	7,860	74.7%	14,072,944	70.9%
England	412	3.9%	856,939	4.3%
Former Yugoslav Republic of Macedonia	224	2.1%	40,655	0.2%
Italy	202	1.9%	199,121	1.0%
New Zealand	94	0.9%	389,463	2.0%
Scotland	90	0.9%	130,204	0.7%

In the 2006 Census, 74.7% of persons usually resident in 2525 (Postal Area) stated they were born in Australia. Other common responses within 2525 (Postal Area) were: England 3.9%, Former Yugoslav Republic of Macedonia 2.1%, Italy 1.9%, New Zealand 0.9% and Scotland 0.9%.

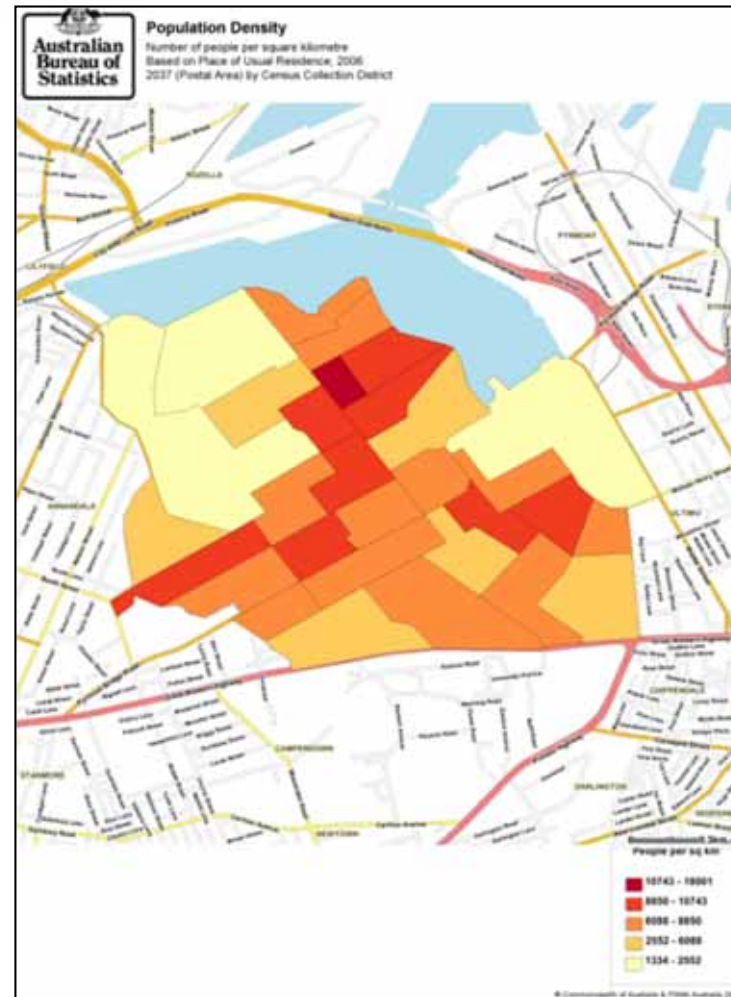
Population Density, 2006

Postal area 2037

Glebe

Choropleth mapping by
collection district

Categories in legend vary
for adjacent areas



SEIFA: Measuring Advantage and Disadvantage

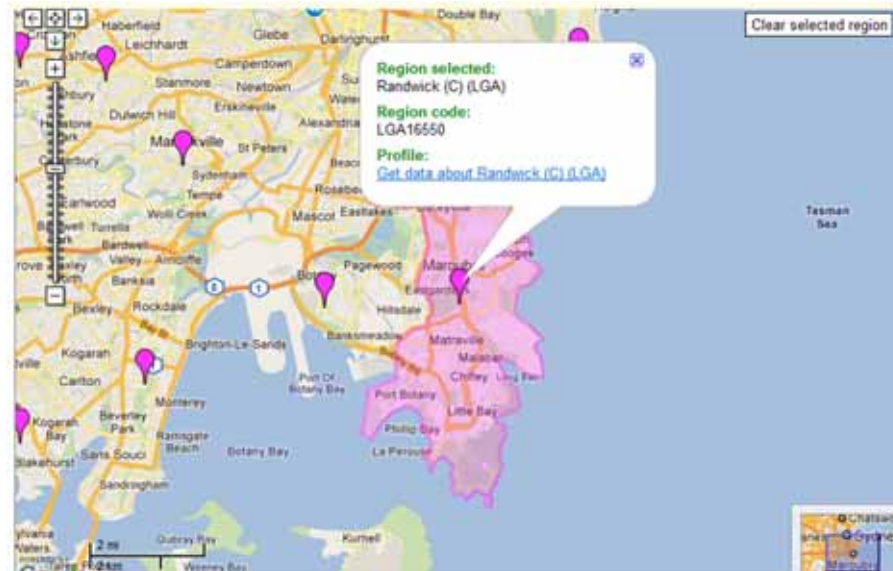
- Relative Socio-economic Disadvantage
- Scores within the State allow comparison between areas
- Smaller areas provide a better picture.
- Collection Districts (2006)
Suburbs, LGAs and SLA Geographies

Census measures include

- Low Income
- Low Educational Attainment
- Unemployment
- Dwellings without Motor Vehicles

National Regional Profile

- LGAs
 - Economy
 - Population/People
 - Industry
 - Environment/Energy
 - 2005 – 2009
- Excel Spread sheets



ABS Betaworks

- Look for 'First Visit'?

Google Earth



Animated fly over video:
Gross Value of Irrigated Agricultural
Production along the Murray River

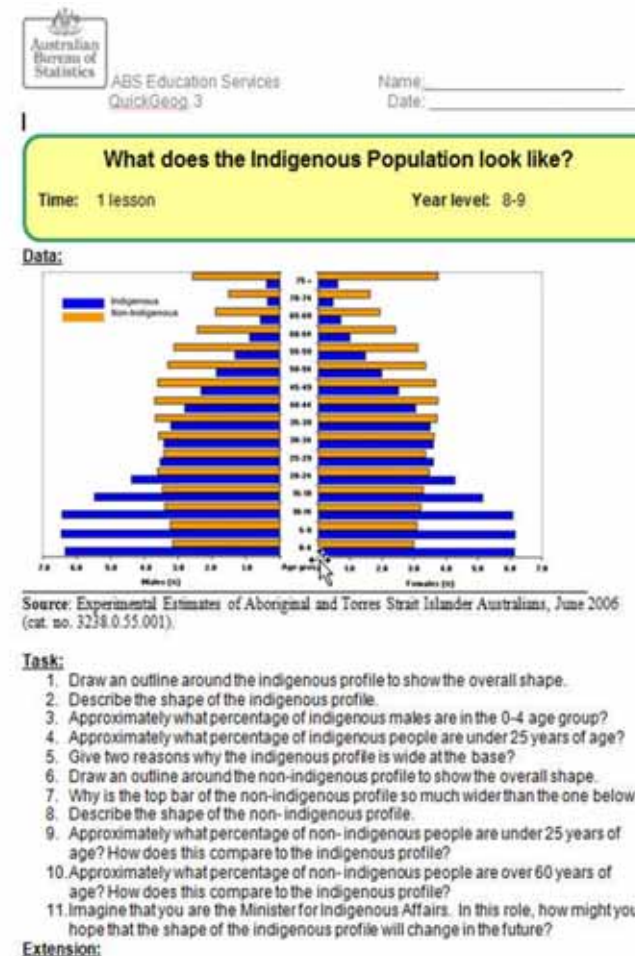


Interactive overlay:
Land Account: Great Barrier Reef Region,
Experimental Estimates, 2011



Education services

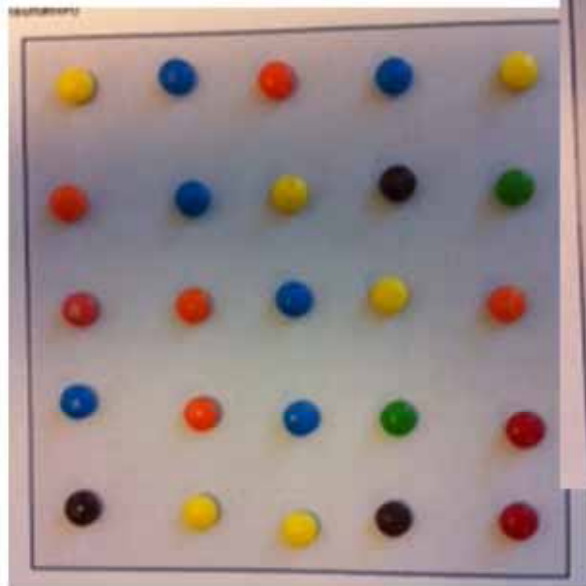
- Quickgeog
- Geo_01-14
- Historical statistics
- Visualisations
- [Interactive pyramids](#)
- Datasets
- Indigenous statistics
- CensusAtSchool
- Education News



Classroom Ideas

- Distributions

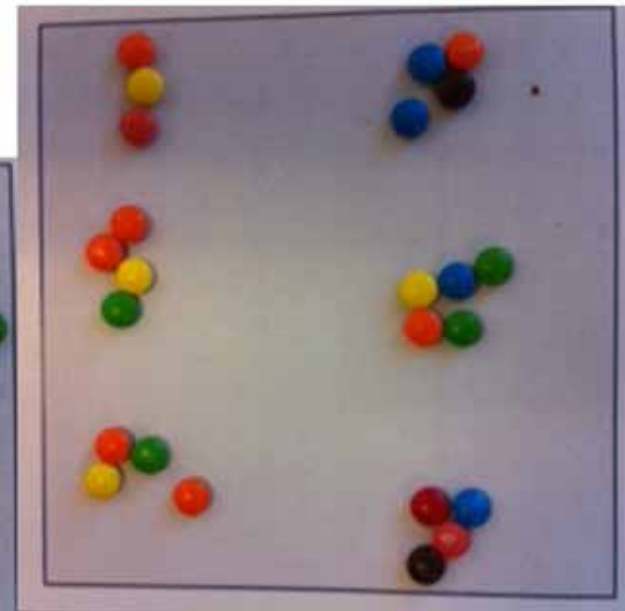
Even distribution

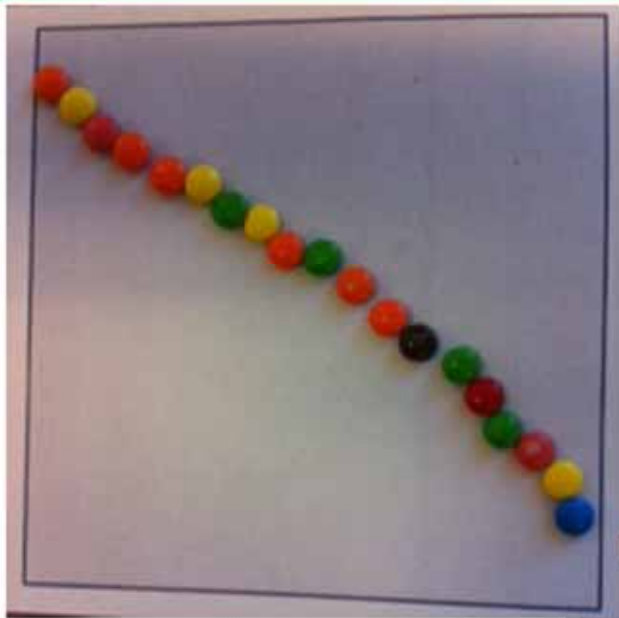


Clustered distribution



Settlement on the
edge of a flood plain
or in a glaciated valley
perhaps





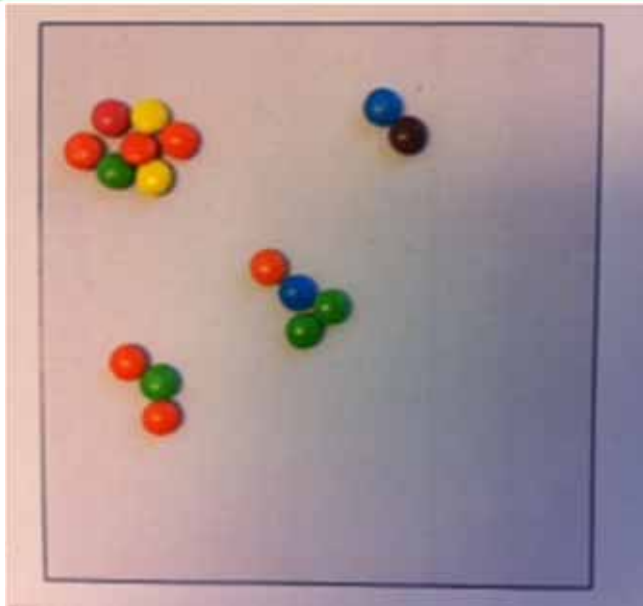
Settlement along a
river

Settlement along a
road



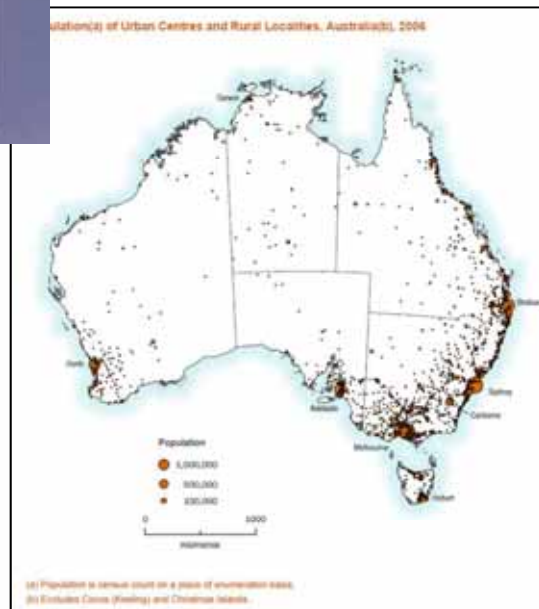
Radial settlement-
reflecting a transport
network perhaps





Representing
Australia's
population
distribution

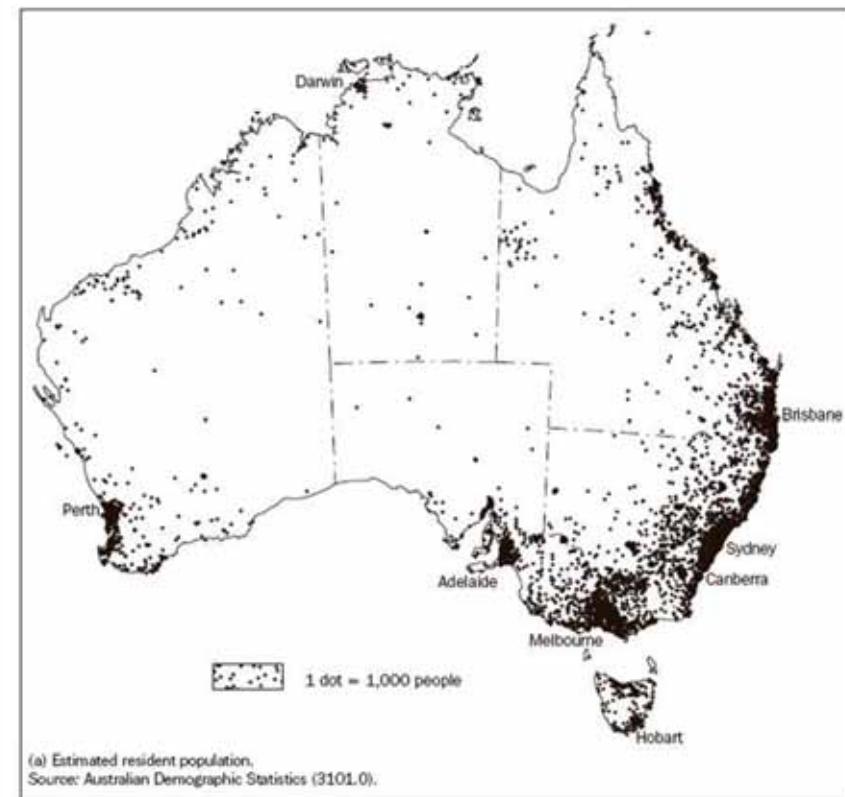
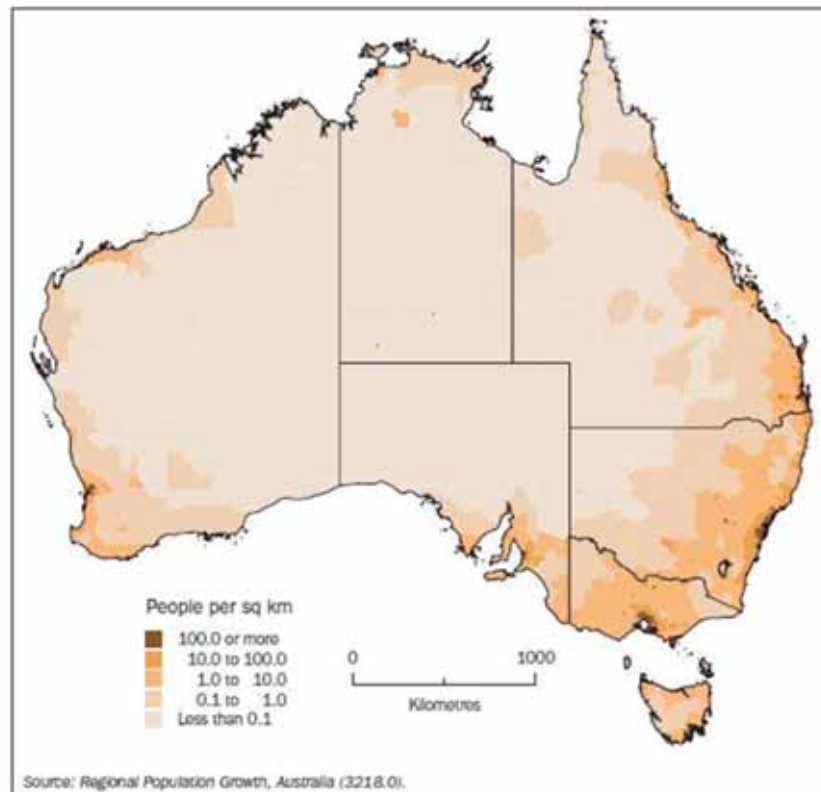
Why is SE corner
empty?



What is the population
density for Australia?

?

Population Distribution



What is the best method to represent population distribution?

Population Growth

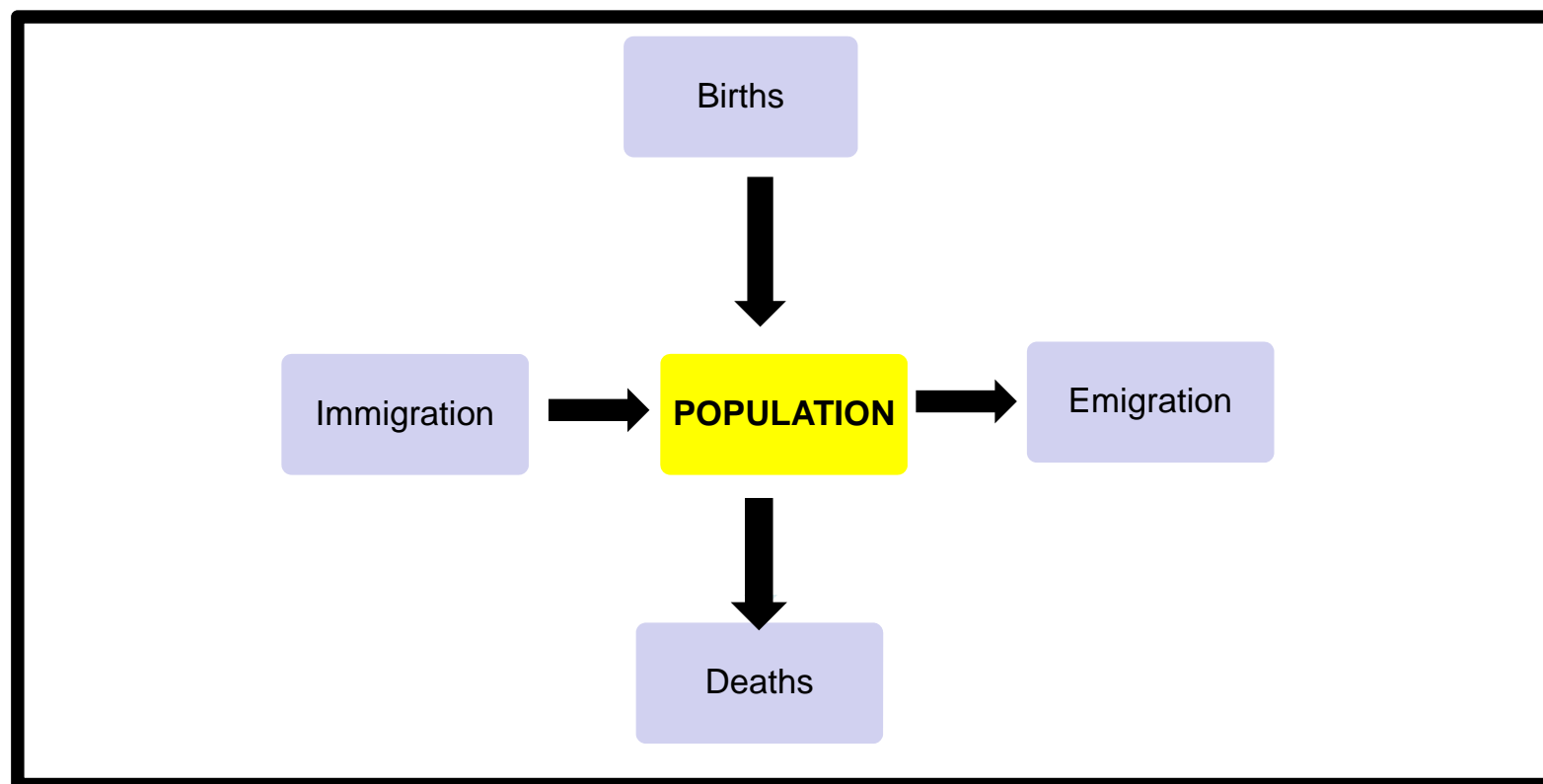
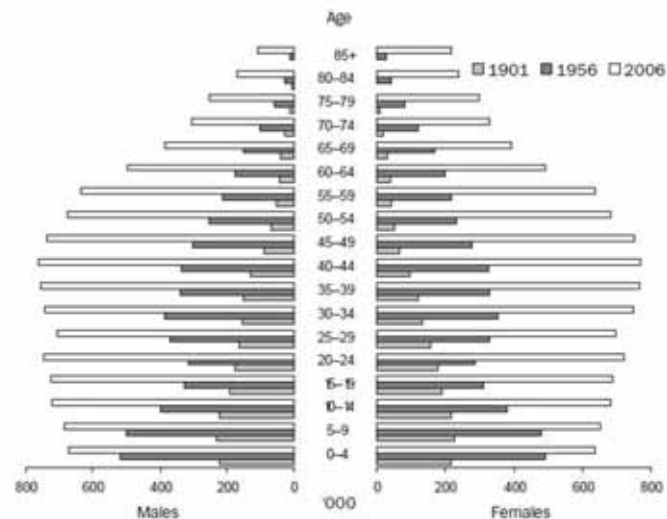


Diagram used in QuickGeog. No. 1 Activity

Quickgeog Activities

Demographic transition



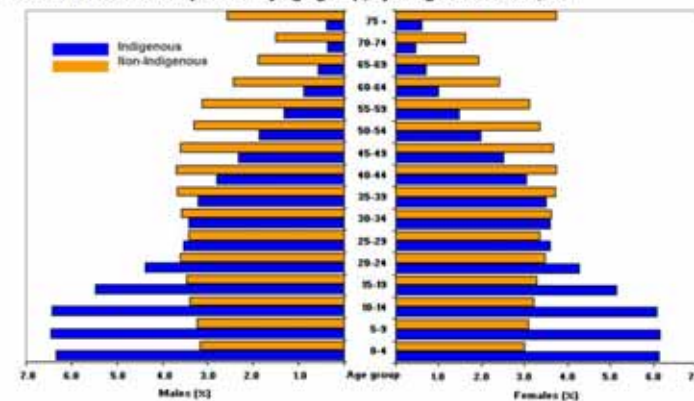
(a) Data for 1901 are census counts; data for 1956 are population estimates; data for 2006 are estimated resident population.

(b) In 2006, Christmas Island and Cocos (Keeling) Islands are included as part of Australia.

Source: Australian Historical Population Statistics, cat. no. 3105.0.85.001.

Indigenous Structure

Estimated Resident Population by age group, by Indigenous status, 2006

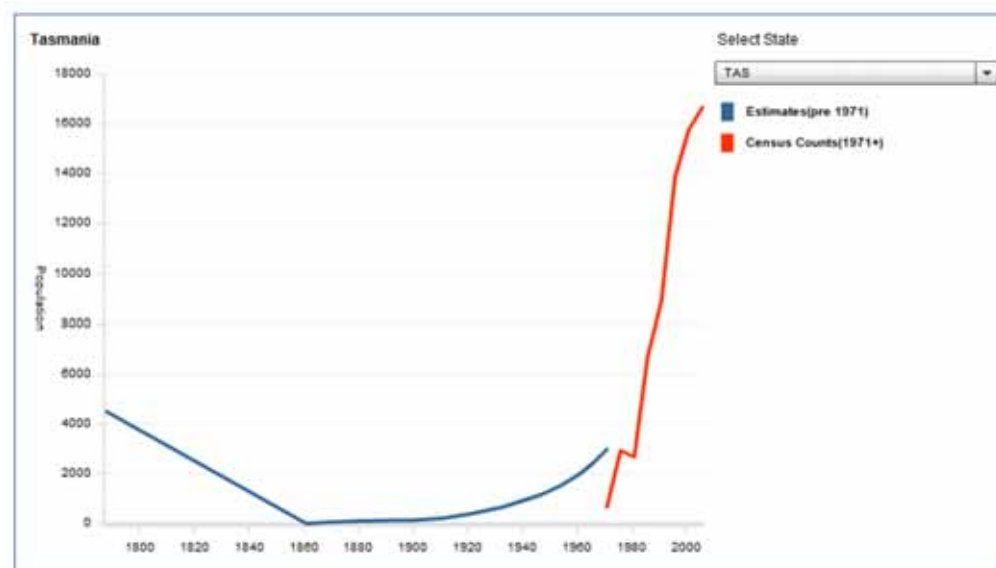


Source: Experimental Estimates of Aboriginal and Torres Strait Islander Australians, June 2006 (cat. no. 3238.0.55.001).

Diagrams provided in QuickGeog. Activities

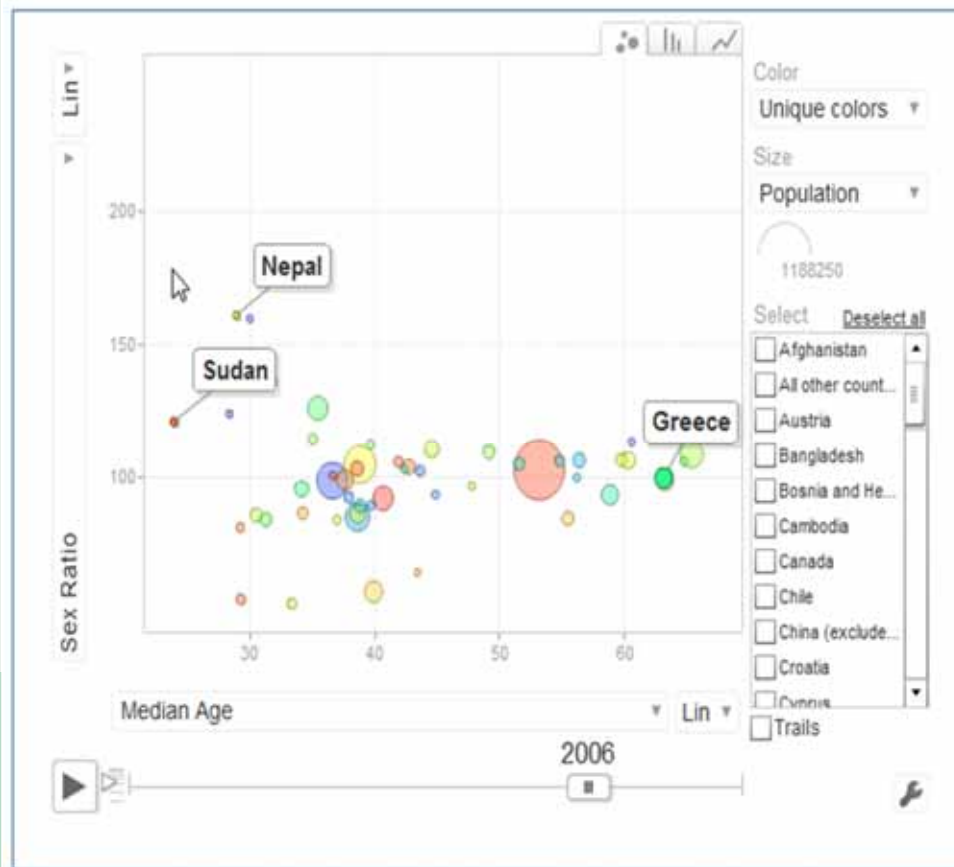
Historical statistics

- Growth population
- 1788 +
- Indigenous
- Countries of birth
- Sex ratios
- Interactive Visualisations



Source: [Australian Historical Population Statistics, 2008, Tables 2.1 and 2.2](#)

Visualisations



Each country is represented by a bubble with a unique colour. The size of the bubble is related to the Population at that point in time.

History Dataset: H1

What are the stories?

Country of Birth, median age
and sex ratio 1996 -2010

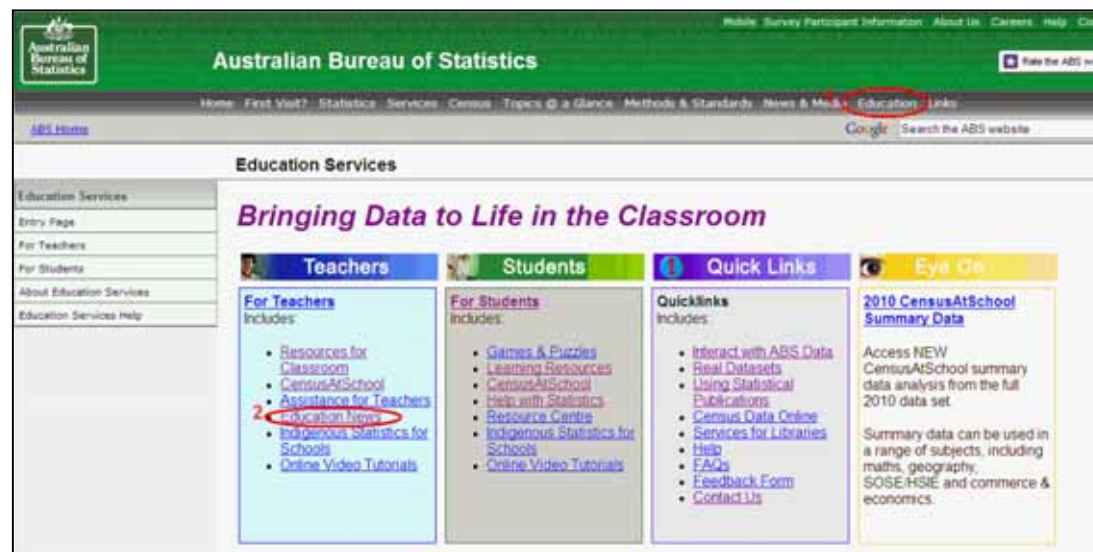
CensusAtSchool

- Annual online survey of students
- Over 25,000 responses
- 30 questions
- Opinions on environment
- Supporting materials



Education News

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pat.beeson@abs.gov.au

Phone: 03 9615 7103.