Package ‘Census2016’

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Type Package
Title Data from the Australian Census 2016
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Description Contains selected variables from the time series profiles for statistical areas level 2 from the 2006, 2011, and 2016 censuses of population and housing, Australia. Also provides methods for viewing the questions asked for convenience during analysis.
Depends R (>= 2.10)
Imports data.table
LazyData true
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RoxygenNote 6.0.1
Suggests knitr, rmarkdown, ggplot2, ggrepel, magrittr, scales, testthat, png,
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Census2016_wide_by_SA2_year

*Census data by SA2*

**Description**

Census data by SA2

**Usage**

Census2016_wide_by_SA2_year

**Format**

An object of class `data.frame` (inherits from `data.table`) with 6720 rows and 43 columns.

**Details**

If no data is offered by the ABS for that SA2, the data is marked as missing and the column `isMissing` is TRUE.

**see_question**

*View census form for particular question*

**Description**

View census form for particular question

**Usage**

`see_question(...)`

```r
## S3 method for class 'data.frame'
see_question(.data, ...)
```

```r
## S3 method for class 'numeric'
see_question(qn, ...)
```

**Arguments**

| ... | Passed to method: either a question number or a data frame. |
| .data | A data.frame from this package. |
| qn | Question number. |
TwoDimTbl

Value

Primarily called for its side effect: plots an image of the question (and available answers, if appropriate) in the plot window. If a data.frame from this package is called, it is returned (invisibly if knitr.in.progress is TRUE).

Examples

```r
## Not run:
see_question(5)
see_question(Census2016_languages)

## End(Not run)
```

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TwoDimTbl

Two dimensional tables

Description

Tables with two keys (the SA2 and a label for which the count applies)

Usage

Census2016_ancestories

Census2016_countries_of_birth

Census2016_languages

Census2016_religions

Census2016_n_women_by_children-ever-born

Format

A data.table of 4 columns. The keys are sa2_code

Details

From the Community Series time series data packs. N.B. countries_of_birth only includes the top 35 responses countries of birth across Australia. sa2_code is not necessarily the same as SA2_MAINYY for 2006, 2011, and 2016. Instead, the code reflects the 2016 boundaries and the values given allow comparisons to be made over time on these boundaries.
Census2016_ancestries

N.B. This table is a multi-response table, and therefore the total response count will not equal the total persons count. Sinhalese is equivalent to Sri Lankan.

| sa2_code | The SA2 code. See details. |
| year | The census year. |
| ancestry | Selected ancestries are based on the 30 most common ancestry responses reported in the 2011 Census. |
| persons | Count of persons. |

Census2016_religions

| sa2_code | The SA2 code. See details. |
| year | The census year. |
| religion | Religion. "What is the person’s religion?". |
| persons | Number of adherents. |

Census2016_languages

| sa2_code | The SA2 code. See details. |
| year | The census year. |
| language | Does the person speak a language other than English at home? |
| persons | Number of persons who speak the specified language. Note that the complement of "English" is not the number of people who do not speak English. |

Census2016_n_women_by_children_ever_born

| sa2_code | The SA2 code. See details. |
| year | The census year. |
| n_children_ever_born | Number of children ever born. |
| n_women | Count of females over 15 by the number of children they have ever given birth to. |
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