Package 'wpp2010'

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Title World Population Prospects 2010

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wpp2010-package *World Population Prospects 2010*

Description

Data from the United Nations World Population Prospects 2010.

Details

Package:	wpp2010
Version:	1.2-0
Date:	2013-5-8
Depends:	R (>= 2.14.2)
License:	GPL (>= 2)
URL:	http://esa.un.org/wpp

The package contains the following datasets:

- tfr, tfr_supplemental, tfrprojMed, tfrprojHigh, tfrprojLow: estimates and projections of total fertility rate
- e0F, e0M, e0F_supplemental, e0M_supplemental, e0Fproj, e0Mproj: estimates and projections of life expectancy
- popF, popM: age-specific population estimates and projections
- mxF, mxM: age-specific mortality rates
- migrationF, migrationM: age-specific net migration (see note below)
- sexRatio: sex ratio at birth as a ratio of female to male
- percentASFR: distribution of age-specific fertility rates
- UNlocations: location dataset

Note

Distributions of net migrants by age and sex are provided for illustrative purpose only. Migration figures are based on intercensal net residuals and official statistics, population distribution by age and sex or simplified versions of Rogers-Castro migration age patterns, and incorporate statistical adjustment errors.

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Source

These datasets are based on estimates and projections of United Nations, Department of Economic and Social Affairs, Population Division (2011).

References

World Population Prospects: The 2010 Revision. (http://esa.un.org/unpd/wpp) Special Tabulations.

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e0 *United Nations Time Series of Life Expectancy*

Description

Datasets containing the United Nations time series of the life expectancy (e0) for all countries of the world as available in 2010. Datasets `e0F` and `e0F_supplemental` contain estimates for female historical e0; `e0M` and `e0M_supplemental` contain estimates for male historical e0. The `*_supplemental` datasets contain a subset of countries for which data prior 1950 are available. Datasets `e0Mproj` and `e0Fproj` contain projections of male and female e0, respectively.

Usage

```
data(e0F)
data(e0M)

data(e0F_supplemental)
data(e0M_supplemental)

data(e0Fproj)
data(e0Mproj)
```

Format

The datasets contain one record per country or region. They contain the following variables:

`country` Name of country or region (following ISO 3166 official short names in English - see http://www.iso.org/iso/country_codes/iso_3166_code_lists/english_country_names_and_code_elements.htm and United Nations Multilingual Terminology Database - see http://unterm.un.org).

`country_code` Numerical Location Code (3-digit codes following ISO 3166-1 numeric standard) - see http://en.wikipedia.org/wiki/ISO_3166-1_numeric.

`1950-1955`, `1955-1960`, **...** Life expectancy in various five-year time intervals. The `e0*proj` datasets start at `2010-2015`. The `e0*_supplemental` datasets start at `1750-1755`. Missing data have `NA` values.

Source

These datasets are based on estimates and projections of United Nations, Department of Economic and Social Affairs, Population Division (2011).

References

World Population Prospects: The 2010 Revision. (http://esa.un.org/unpd/wpp) Special Tabulations.

Examples

```
data(e0M)
head(e0M)

data(e0Fproj)
str(e0Fproj)
```

`migration` *Datasets on Migration*

Description

Estimates and projections of male and female age-specific net migration.

Usage

```
data(migrationM)
data(migrationF)
```

Format

Data frames with one row per country and age group. For each country there are 21 age groups. It contains the following variables:

`country` Country name.

`country_code` Numerical Location Code (3-digit codes following ISO 3166-1 numeric standard) - see http://en.wikipedia.org/wiki/ISO_3166-1_numeric.

`age` A character string representing an age interval. For each country there are 21 values: "0-4", "5-9", "10-14", "15-19", "20-24", "25-29", "30-34", "35-39", "40-44", "45-49", "50-54", "55-59", "60-64", "65-69", "70-74", "75-79", "80-84", "85-89", "90-94", "95-99", and "100+" in that order.

`1990-1995`, `1995-2000`, `2000-2005`, **...** Net migration for the specific time period. Not available data are represented by an empty string.

Note

Distributions of net migrants by age and sex are provided for illustrative purpose only. Migration figures are based on intercensal net residuals and official statistics, population distribution by age and sex or simplified versions of Rogers-Castro migration age patterns, and incorporate statistical adjustment errors.

Source

These datasets are based on estimates and projections of United Nations, Department of Economic and Social Affairs, Population Division (2011).

References

World Population Prospects: The 2010 Revision. (http://esa.un.org/unpd/wpp) Special Tabulations.

Examples

```
data(migrationM)
str(migrationM)
```

---

mx *Age-specific Mortality Data*

Description

Age-specific data on mortality for male (mxM) and female (mxF).

Usage

```
data(mxM)
data(mxF)
```

Format

Data frames with one row per country and age group. For each country there are 22 age groups. It contains the following variables:

`country` Country name.

`country_code` Numerical Location Code (3-digit codes following ISO 3166-1 numeric standard) - see http://en.wikipedia.org/wiki/ISO_3166-1_numeric.

`age` A character string representing an age interval (given by the starting age of the interval). For each country there are 22 values: "0", "1", "5", "10", "15", "20", "25", "30", "35", "40", "45", "50", "55", "60", "65", "70", "75", "80", "85", "90", "95", and "100+" in that order.

`1950-1955`, `1955-1960`, **...** Mortality rate for the given time period. Not available data are represented by an empty string.

Source

This dataset is based on estimates and projections of United Nations, Department of Economic and Social Affairs, Population Division (2011).

References

World Population Prospects: The 2010 Revision. (http://esa.un.org/unpd/wpp) Special Tabulations.

Examples

```
data(mxF)
str(mxF)
```

---

percentASFR *Datasets on Age-specific Distribution of Fertility Rates*

Description

Datasets giving the percentage of fertility rates over ages 15-50.

Usage

```
data(percentASFR)
```

Format

A data frame with one row per country and age group. For each country there are seven age groups. It contains columns `country`, `country_code`, `age` and one columns per time interval.

Source

This dataset is based on estimates and projections of United Nations, Department of Economic and Social Affairs, Population Division (2011).

References

World Population Prospects: The 2010 Revision. (http://esa.un.org/unpd/wpp) Special Tabulations.

Examples

```
data(percentASFR)
str(percentASFR)
```

pop *Estimates and Projections of Population Counts*

Description

Datasets with age-specific male and female historical population estimates and projections.

Usage

```
data(popM)
data(popF)
```

Format

Data frames with one row per country and age group. For each country there are 21 age groups. It contains the following variables:

`country` Country name.

`country_code` Numerical Location Code (3-digit codes following ISO 3166-1 numeric standard) - see http://en.wikipedia.org/wiki/ISO_3166-1_numeric.

`age` A character string representing an age interval. For each country there are 21 values: "0-4", "5-9", "10-14", "15-19", "20-24", "25-29", "30-34", "35-39", "40-44", "45-49", "50-54", "55-59", "60-64", "65-69", "70-74", "75-79", "80-84", "85-89", "90-94", "95-99", and "100+" in that order.

`1950`, `1955`, ... Population estimate or projection for the given time.

Source

These datasets are based on estimates and projections of United Nations, Department of Economic and Social Affairs, Population Division (2011).

References

World Population Prospects: The 2010 Revision. (http://esa.un.org/unpd/wpp) Special Tabulations.

Examples

```
data(popM)
str(popM)
```

sexRatio *Sex Ratio at Birth*

Description

Estimates and projections of the sex ratio at birth derived as the number of female divided by the number of male.

Usage

```
data(sexRatio)
```

Format

A data frame with one record per country. It contains columns `country`, `country_code`, and one columns per time interval.

Source

This dataset is based on estimates and projections of United Nations, Department of Economic and Social Affairs, Population Division (2011).

References

World Population Prospects: The 2010 Revision. (http://esa.un.org/unpd/wpp) Special Tabulations.

Examples

```
data(sexRatio)
str(sexRatio)
```

tfr *United Nations Time Series of Total Fertility Rate*

Description

Datasets containing the United Nations time series of the total fertility rate (TFR) for all countries of the world as available in 2010. Dataset `tfr` contains estimates of the historical TFR starting with 1950; `tfr_supplemental` contains a subset of countries for which data prior 1950 are available. Datasets `tfrprojMed`, `tfrprojHigh` and `tfrprojLow` contain median, high and low projections, respectively.

Usage

```
data(tfr)
data(tfr_supplemental)
data(tfrprojMed)
data(tfrprojHigh)
data(tfrprojLow)
```

Format

The datasets contain one record per country or region. It contains the following variables:

`country` Name of country or region (following ISO 3166 official short names in English - see http://www.iso.org/iso/country_codes/iso_3166_code_lists/english_country_names_and_code_elements.htm and United Nations Multilingual Terminology Database - see http://unterm.un.org).

`country_code` Numerical Location Code (3-digit codes following ISO 3166-1 numeric standard) - see http://en.wikipedia.org/wiki/ISO_3166-1_numeric.

`1950-1955`, `1955-1960`, `...` TFR in various five-year time intervals. The `tfrproj*` datasets start at `2010-2015`. The `tfr_supplemental` datasets start at `1740-1745`. Missing data have `NA` values.

Source

These datasets are based on estimates and projections of United Nations, Department of Economic and Social Affairs, Population Division (2011).

References

World Population Prospects: The 2010 Revision. (http://esa.un.org/unpd/wpp) Special Tabulations.

Examples

```
data(tfr)
head(tfr)

data(tfrprojMed)
str(tfrprojMed)
```

UNlocations *United Nations Table of Locations*

Description

United Nations table of locations, including regions, as available in 2010.

Usage

```
data(UNlocations)
```

Format

A data frame with one observations per country or region. It contains the following seven variables:

`name` Name of country or region (following ISO 3166 official short names in English - see http://www.iso.org/iso/country_codes/iso_3166_code_lists/english_country_names_and_code_elements.htm and United Nations Multilingual Terminology Database - see http://unterm.un.org).

`country_code` Numerical Location Code (3-digit codes following ISO 3166-1 numeric standard) - see http://en.wikipedia.org/wiki/ISO_3166-1_numeric.

`reg_code` Code of the regions.

`reg_name` Name of the regions.

`area_code` Area code.

`area_name` Area names, such as `Africa`, `Asia`, `Europe` `Latin America and the Caribbean`, `Northern America`, `Oceania`, `World`.

`location_type` Code giving the type of the observation (0=World, 2=Major Area, 3=Region, 4=Country/Area, 5=Development group, 12=Special groupings).

Source

Data provided by the United Nations Population Division

Examples

```
data(UNlocations)
```

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