Package ‘yowie’

September 6, 2021

Title  Longitudinal Wages Data from the National Longitudinal Survey of Youth 1979

Version  0.1.0

Description  Longitudinal wages data sets and several demographic variables from the National Longitudinal Survey of Youth from 1979 to 2018. There are three data sets in this package: The wages data from the cohort whose highest grade completed is up to high school; The wages data of the high school dropouts and; The demographic data of the cohort in the survey year 1979.

License  GPL (>= 3)

Encoding  UTF-8

LazyData  true

RoxygenNote  7.1.1

URL  https://github.com/numbats/yowie

BugReports  https://github.com/numbats/yowie/issues

Depends  R (>= 3.5.0), tsibble (>= 1.0.1)

Suggests  ggplot2, knitr, markdown, rmarkdown, dplyr, tidyr, forcats, janitor, kableExtra

VignetteBuilder  knitr

NeedsCompilation  no

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Repository  CRAN

Date/Publication  2021-09-06 09:20:02 UTC

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| demog_nlsy79 | Demographic Data from the National Longitudinal Survey of Youth (NLSY79) |

Description


Format

A data frame contains 12,686 rows and 7 variables:

- **id**: A unique individual’s ID number.
- **age_1979**: The age of the subject in 1979.
- **gender**: Gender of the subject, FEMALE and MALE.
- **race**: Race of the subject, NON-BLACK, NON-HISPANIC; HISPANIC; BLACK.
- **hgc**: Highest grade completed.
- **hgc_i**: Integer of highest grade completed.
- **yr_hgc**: The year when the highest grade completed.

Source


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| wages | Wages Data from the National Longitudinal Survey of Youth (NLSY79) |

Description

A data set contains longitudinal data of mean hourly wages along with several demographic variables of Americans from the National Longitudinal Survey of Youth (NLSY79) held by the U.S. Bureau of Labor Statistics from Round 1 (1979 survey year) to Round 28 (2018 survey year). The cohort provided in this data set is the highest grade completed, up to 12th grade, and participated in at least five rounds of surveys.
wages

Format

A tibble with 103,994 rows and 15 variables:

**id**  A unique individual’s ID number. This is the key of the data.

**year**  The year the observation was taken. This could be the index of the data.

**wage**  The mean of the hourly wages the individual gets at each of their different jobs. The value could be a weighted or an arithmetic mean. The weighted mean is used when the information of hours of work as the weight is available. The mean hourly wage could also be a predicted value if the original value is considered influential by the robust linear regression as part of data cleaning.

**age_1979**  The age of the subject in 1979.

**gender**  Gender of the subject, FEMALE and MALE.

**race**  Race of the subject, NON-BLACK, NON-HISPANIC; HISPANIC; BLACK.

**hgc**  Highest grade completed.

**hgc_i**  Integer of highest grade completed.

**yr_hgc**  The year when the highest grade completed.

**njobs**  Number of jobs that an individual has.

**hours**  The total number of hours the individual usually works per week.

**is_wm**  Whether the mean hourly wage is weighted mean, using the hour work as the weight, or regular/arithmetic mean. TRUE = is weighted mean. FALSE = is regular mean.

**is_pred**  Whether the mean hourly wage is a predicted value or not.

Source


Examples

```r
# data summary
wages

library(ggplot2)
library(dplyr)
library(tsibble)
wages_ids <- key_data(wages) %>% select(id)
wages %>%
dplyr::filter(id %in% sample_n(wages_ids, 10)$id) %>%
ggplot() +
  geom_line(aes(x = year,
                y = wage,
                group = id), alpha = 0.8)
```
Wages Data of High School Dropout from the National Longitudinal Survey of Youth (NLSY79)

Description

A data set contains longitudinal data of mean hourly wages along with several demographic variables from the National Longitudinal Survey of Youth (NLSY79) held by the U.S. Bureau of Labor Statistics from Round 1 (1979 survey year) to Round 28 (2018 survey year). The cohort provided in this data set is high school dropouts, i.e., the male aged between 14 and 17 years and only completed either 9th, 10th, 11th grade, or aged at least 19 years old when completed high school and participated in at least five rounds of surveys.

Format

A tsibble contains 97,087 rows and 15 variables:

# A unique individual’s ID number. This is the key of the data.

year  The year the observation was taken. This could be the index of the data.

wage  The mean of the hourly wages the individual gets at each of their different jobs. The value could be a weighted or an arithmetic mean. The weighted mean is used when the information of hours of work as the weight is available. The mean hourly wage could also be a predicted value if the original value is considered influential by the robust linear regression as part of data cleaning.

age_1979  The age of the subject in 1979.

gender  Gender of the subject, FEMALE and MALE.

race  Race of the subject, NON-BLACK, NON-HISPANIC; HISPANIC; BLACK.

hgc  Highest grade completed.

hgc_i  Integer of highest grade completed.

yr_hgc  The year when the highest grade completed.

njobs  Number of jobs that an individual has.

hours  The total number of hours the individual usually works per week.

is_wm  Whether the mean hourly wage is weighted mean, using the hour work as the weight, or regular/arithmetic mean. TRUE = is weighted mean. FALSE = is regular mean.

is_pred  Whether the mean hourly wage is a predicted value or not.

Source

Examples

# saving the data into a new object
code
library(yowie)
library(tsibble)
wages_hs_do %>% key_data()
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