

Package ‘lar’

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Type Package

Title History of labour relations package

Version 0.1-2

Date 2014-04-29

Description This package is intended for researchers studying historical labour relations (see <http://www.historyoflabourrelations.org>). The package allows for easy access of excel files in the standard defined by the Global Collaboratory on the History of Labour Relations. The package also allows for visualisation of labour relations according to the Collaboratory's format.

Imports data.table, grid, treemap, xlsx

License GPL-3

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lar-package

Labour Relations

Description

This package is intended for researchers studying historical labour relations (see <http://www.historyoflabourrelations.org>). The package allows for easy access of excel files in the standard defined by the Global Collaboratory on the History of Labour Relations. The package also allows for visualisation of labour relations according to the Collaboratory's format.

Details

Package: lar
Type: Package
Version: 0.1-2
Date: 2014-04-29
License: GPL-3

Author(s)

Richard L. Zijdemans <richard.zijdemans@iisg.nl>

References

Project website: <http://historyoflabourrelations.org>

Examples

```
## Not run:  
## First read in a labour relations formatted excel file:  
df <- read.lar("Spain_1900_(JMTL-Sept2011).xlsx")  
  
## Next, draw a treemap of the labour relations:  
draw.lar(df)  
  
## Treemap with example data set for Spain in 1900  
data(spain.1900)  
draw.lar(spain.1900)  
  
## End(Not run)
```

draw.lar	<i>Draw Labour Relations</i>
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Description

This function draws a treemap of labour relations (<http://historicallabourrelations.org>). It is a convenience wrapper for the Treemap package by Martijn Tennekens. Before this function is used, data should be setup in a specific data format (see `read.lar()`).

Usage

```
draw.lar(data.frame, sex)
```

Arguments

<code>data.frame</code>	A <code>data.frame</code> in labour relations format. Required. See <code>read.lar</code> for more information on the format.
<code>sex</code>	One of "total" (default), "male", "female", to indicate respectively: the total population, the male population or the female population.

Note

The creation of this package was made possible by the International Institute of Social History and research grants by the Gerda Henkel Stiftung and the Netherlands Organisation for Scientific Research (NWO).

Author(s)

Richard L. Zijdemans

References

Project website: <http://historyoflabourrelations.org>

See Also

[read.lar](#), [treemap](#).

Examples

```
## Not run:
## First read in a labour relations pre-defined excel file:
df <- read.lar("Spain_1900_(JMTL-Sept2011).xlsx")

## Next, draw a treemap of the labour relations:
draw.lar(df)

## Treemap with example data set for Spain in 1900
data(spain.1900)
```

```

draw.lar(spain.1900)

## Save treemap image as .png
data(spain.1900)
ppi <- 300 # define pixels: increase this number for even better quality
png(file = "tm_spain_1900.png",
     , width=10*ppi, height=8*ppi, res=ppi)
draw.lar(spain.1900)
dev.off()

## End(Not run)

```

 labels

Labour Relation Taxonomy labels

Description

This dataset is for internal use of the lar package only. It attaches the official Labour Relations Taxonomy labels to data read in by the read.lar function.

Format

A data frame with 49 observations on the following 4 variables.

lr.cat a factor with levels -1 1 10 1012 11 12 12013 12013014 12013014018 12014 12014018 1201404 12015 1213 13 13012 13014 14 14012 14015 14018 142 143 15 16 17 171 172 18 181 182 183 2 3 4 4014 405 405012 5 5012014 5014 508014 5a 5b 6 7 7018 8 9

lr.txt.1 a factor with levels Commodified EitherOr Non working Reciprocal Tributary Unknown

lr.txt.2 a factor with levels Community EitherOr Household Market Non-market Unknown

lr.txt.3.ext a factor with levels Affluent (2) Cannot work (1) EitherOr Employers (13) Household Indent.lbr. (15) Indent.lbr. (9) Kin non-prod. (5b) Kin prod. (5) Kin prod. (5a) Leading prod. (4) Multiple Obligatory lbr. (8) Redist.lbr. (7) Self-Employed (12) Serfs (10) Serfs (16) Servants (6) Slaves (11) Slaves (17) Unemployed (3) Unknown Wage-Earners (14) Wage-Earners (18)

Details

Currently (lar package version 0.1), the labels still contain a label for label 5, but users should be aware that currently only labels 5a and 5b should be used.

Source

https://collab.iisg.nl/c/document_library/get_file?p_l_id=273223&folderId=277142&name=DLFE-186117.pdf

References

International Institute of Social History. 2014. Codebook and manual for gathering and entering data in the database of the global collaboratory on the history of labour relations 1500-2000. Version 13, January 14

read.lar	<i>Read in labour relations file (read.lar)</i>
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Description

The function `read.lar()` reads in a labour relations excel-input-file and attaches convenience labels for labour relations to be used with `draw.lar()`.

Usage

```
read.lar(file)
```

Arguments

`file` An excel file (.xlsx) in labour relations input-format. Required.

Note

The creation of this package was made possible by the International Institute of Social History and research grants by the Gerda Henkel Stiftung and the Netherlands Organisation for Scientific Research (NWO).

Author(s)

Richard L. Zijdemans

References

Project website: <http://historyoflabourrelations.org>

See Also

[draw.lar](#).

Examples

```
## Not run:  
## Read in a labour relations pre-defined excel file:  
df <- read.lar("Spain_1900_(JMTL-Sept2011).xlsx")  
  
## End(Not run)
```

 spain.1900

Spain_1900_(JMTL-Sept2011).xlsx (MS Excel file)

Description

This file describes the labour relations in Spain in 1900. The file was kindly provided by Prof. Lana-Berasain. See details for restricted use of this data.

Usage

```
data(spain.1900)
```

Format

A data frame with 823 observations on the following 52 variables.

labour.rel.3 a numeric vector
 labour.rel.2 a numeric vector
 labour.rel.1 a numeric vector
 id.labrel a numeric vector
 id.pop a numeric vector
 day a numeric vector
 month a numeric vector
 year a numeric vector
 year.start a numeric vector
 year.end a numeric vector
 locality a factor with levels [Text/NA] NA
 urbanized a factor with levels [Y/N/NA] NA Y
 region a factor with levels [Text/NA] NA
 country a factor with levels [mandatory] [Text] Spain
 total a numeric vector
 minimum a numeric vector
 maximum a numeric vector
 quality.total a factor with levels [A/C/E] [mandatory] A C
 gender a factor with levels [mandatory] [T/M/F/U] F M T
 mar.stat a factor with levels [mandatory] [T/M/S/W/D/U] M S T U W
 age.start a numeric vector
 age.end a numeric vector
 type.activity a factor with levels [mandatory] [P/L (+a/c/d/j)] L P

branch a factor with levels Affluents Agricultural and animal husbandry workers Architects, engineers, etc
 Authors, journalists and related writers beggars, tramps and prostitutes
 Bookkeepers, cashiers and related workers Bookkeepers, cashiers, etc Bricklayers, carpenters, etc
 Buyers Cabinetmakers and related woodworkers Chemical processors Children
 Clerical and related workers Composers and performing artists Composers and performing artists
 Convicts and prisoners Cook, waiters, bartenders, etc Cooks, waiters, bartenders, etc
 Electrical fitters and related electrical and electronical workers Food and beverages processors
 Glass formers, potters, etc Government executive officials Housekeeping services workers
 Jurists Machinery fitters, machine assemblers, etc Machinery fitters, machine assemblers, etc
 Maids and Housekeeping services workers Mail distribution clerks Managers
 Material handling and related equipment operators, etc Medical, dental, veterinary, etc
 Metal processors Miners, quarrymen, well-drillers, etc NA Not working Other production workers
 Patients, people in hospices, mads and alienated Primary school Printers and related workers
 Protective services workers Retired and State pensioners Sales workers Salesmen, shop assistants, etc
 Sculptors, painters, photographers, etc Service workers not classified Spinners, weavers, knitters
 Stenographers, typists, etc Students Tailors, dressmakers, sewers, upholsterers, etc
 Tanners, fellmongers and pelt dressers Teachers Text/NA Transport equipment operators
 Unemployed Wood preparation workers Workers Workers in Religion Workers not elsewhere classified
 Working proprietors (wholesale and retail)

branch.hisco a factor with levels [0-9/NA] [note instructions] 0 1 2 3 4 5 6 7 8 9 NA

occup a factor with levels "corretaje, comisión, exportación" "negociantes, comerciantes, tratantes"
 [Text/NA] Actors and performing artists Agricultural workers Architects and engineers
 Army Assistants to the cult Authors Bookkeepers and cashiers Building sales workers
 Cabinetmakers and woodworkers Chemical processors Chemical product, hardware and paint sales workers
 Circus performers Civil service workers Clerical and related workers (empleados)
 Clothing industry Combustible sales workers Composers, musicians and singers
 Construction workers Creative artists Domestic servant Domestic service Double counted professions
 Dress and hat sales workers Energy workers Finance clerk and Insurance
 Fishermen and hunters Food and beverages processors Food and beverages sales workers
 Furniture sales workers General managers (industriales, fabricantes) Hotels, coffe bars, guest hou
 Individuals without profession Jurists ('profesiones judiciales') Leather and hide workers
 Leather sales workers Livestock workers Luxury products, Sciences and Arts products sales
 Machinery mechanic Mail, telephone and telegraph Medical workers Members of Religious Orders (clero
 Metal workers Metals sales workers Military Miners and quarrymen Ministers of non catolic cults
 Ministers of religion (clero católico secular) Momentarily unemployed NA
 Policemen (guardia civil, carabineros y policía) Pottery sales workers
 Pottery workers Printers and related workers Prostitute Sales workers not clasified
 Salesmen, shop assistants and demonstrators Stenographers, typists, translators
 Teachers Textile sales workers Textile workers Transport by railway Transport by rivers and canals
 Transport by sea Transport by streets, roads and bridges Transport machine makers
 Transport sales workers Undertakers and embalmers Unknown profession Waiters (mozo de almacén, mozo
 Warehouse porters Waste materials processors and other industries Waste materials sales workers
 Wood sales workers Wood treaters Workers (jornaleros, braceros, peones, destajistas)

occup.hisco a factor with levels [010-999/NA] 020 061 120 130 141 149 151 161 171 173 175
 211 310 321 331 339 370 393 410 422 451 490 532 540 582 583 592 599 621 624 649 711
 720 731 749 750 761 779 791 810 841 849 859 892 920 949 950 971 981 984 989 999 NA

position a factor with levels [Text/NA] Affluents (personas que viven de sus rentas)
 Family members NA Retired and State pensioners

nationality a factor with levels [Text/NA] NA
 ethnicity a factor with levels [Text/NA] NA
 race a factor with levels [Text/NA] NA
 religion a factor with levels [Text/NA] NA
 social.group a factor with levels [Text/NA] NA
 source a numeric vector
 volume a numeric vector
 page a factor with levels [# /Text/NA] 210-219 27-29 298-323 323 479
 labour.rel.1.pct a numeric vector
 labour.rel.2.pct a numeric vector
 labour.rel.3.pct a numeric vector
 remark a factor with levels [Text/NA] 349 settlements with more than 5000 inhabitants
 Also classifiable as HISCO 441 Children included in the group "retirados, pensionistas del Estado
 It has been supposed that children and old persons were kin producers
 Marital status unknown NA The shares of self-employed and wage earners has been estimated according
 The shares of self-employed and wage earners has been estimated according to the share of patrons
 The source gives that number as age unclassified The source warns that the excess of 135,120 were pe
 Youngmen included in the group "retirados, pensionistas del Estado y de otras administraciones pú

txt1.1 a factor with levels Commodified EitherOr Non working Reciprocal Tributary Unknown
 txt1.2 a factor with levels Community EitherOr Household Market Non-market Unknown
 txt1.3.ext a factor with levels Affluent (2) Cannot work (1) EitherOr Employers (13)
 Household Indent.lbr. (15) Indent.lbr. (9) Kin non-prod. (5b) Kin prod. (5)
 Kin prod. (5a) Leading prod. (4) Multiple Obligatory lbr. (8) Redist.lbr. (7)
 Self-Employed (12) Serfs (10) Serfs (16) Servants (6) Slaves (11) Slaves (17)
 Unemployed (3) Unknown Wage-Earners (14) Wage-Earners (18)

txt2.1 a character vector
 txt2.2 a factor with levels Community EitherOr Household Market Non-market Unknown
 txt2.3.ext a factor with levels Affluent (2) Cannot work (1) EitherOr Employers (13)
 Household Indent.lbr. (15) Indent.lbr. (9) Kin non-prod. (5b) Kin prod. (5)
 Kin prod. (5a) Leading prod. (4) Multiple Obligatory lbr. (8) Redist.lbr. (7)
 Self-Employed (12) Serfs (10) Serfs (16) Servants (6) Slaves (11) Slaves (17)
 Unemployed (3) Unknown Wage-Earners (14) Wage-Earners (18)

txt3.1 a numeric vector
 txt3.2 a factor with levels Community EitherOr Household Market Non-market Unknown
 txt3.3.ext a factor with levels Affluent (2) Cannot work (1) EitherOr Employers (13)
 Household Indent.lbr. (15) Indent.lbr. (9) Kin non-prod. (5b) Kin prod. (5)
 Kin prod. (5a) Leading prod. (4) Multiple Obligatory lbr. (8) Redist.lbr. (7)
 Self-Employed (12) Serfs (10) Serfs (16) Servants (6) Slaves (11) Slaves (17)
 Unemployed (3) Unknown Wage-Earners (14) Wage-Earners (18)

sortID2 a numeric vector
 ctry.time a character vector
 bmyear a numeric vector

Details

This dataset originates from the Labour Relations Collaboratory and specifically describes labour relations in Spain in 1900. The dataset and others in the project including full documentation and licenses are available from: <http://www.historyoflabourrelations.org>, hosted by the International Institute of Social History (<http://socialhistory.org>). The dataset is constructed by Professor José-Miguel Lana-Berasain who has kindly agreed for this dataset to be used in the lar-package. Use of the dataset is limited to the conditions specified at the Collaboratory website: <http://www.historyoflabourrelations.org>

Source

https://collab.iisg.nl/c/document_library/get_file?p_l_id=273223&folderId=283117&name=DLFE-91302.pdf

References

Lana-Berasain, J-M. ?. Labour Relations in Spain, 1800, 1900 and 2001: A methodological approach. URL: https://collab.iisg.nl/c/document_library/get_file?p_l_id=273223&folderId=283117&name=DLFE-91302.pdf. Last accessed: April 28, 2014.

Examples

```
data(spain.1900)
```

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