Package 'loedata'

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Type Package

Title Data Sets from ``Lectures on Econometrics'' by Chirok Han

Version 1.0.1

Description Data sets for Chirok Han (2022, ISBN:979-11-303-1497-6, ``Lectures on Econometrics''). Students, teachers, and self-learners will find the data sets essential for replicating the results in the book.

Depends R (>= 3.0)

License GPL-3

Encoding UTF-8

RoxygenNote 7.2.1

NeedsCompilation no

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R topics documented:

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Boyle   *Boyle data set*

Description

Robert Boyle's data set

Usage

```
data(Boyle)
```

Format

A data frame with 25 rows and 2 variables:

volume the number of equal spaces in the shorter leg, that contained the same parcel of air diversely extended

pressure the pressure sustained by the included air

Author(s)

NA

Source

https://www.chemteam.info/GasLaw/Gas-Boyle-Data.html

Death   *Death rate and related variables for Korean districts*

Description

Death rate and related variables for Korean districts for 2008-2010

Usage

```
data(Death)
```

Format

A data frame with 258 rows and 9 variables:

region region ID
year year
regpop registered population (end of year)
death number of registered deaths
drink percentage of drinkers (more than once in a month)
smoke percentage of smokers (smoker = has smoked 100+ cigarettes and currently smoking)
aged percentage of those aged 65 and over
vehipc number of vehicles per person
deathrate = death/regpop*1000

Author(s)

NA

Source

Statistics Korea

Ekc *CO2 emissions*

Description

CO2 emissions per capita and GDP per capita in 2005

Usage

```
data(Ekc)
```

Format

A data frame with 183 rows and 4 variables:

ccode country code
cname country name
gdppcppp GDP per capital, ppp adjusted (USD)
co2pc CO2 emissions per capita (ton)

Author(s)

NA

Source

<http://wdi.worldbank.org>

Fastfood   *Card and Krueger (1994) fastfood data set*

Description

Card and Krueger (1994) fastfood data set

Usage

```
data(Fastfood)
```

Format

A data frame with 820 rows and 35 variables:

id ID of fastfood restaurant [+]

sheet sheet number (unique store id)

after 1 if second interview [+]

chain chain 1=bk; 2=kfc; 3=roys; 4=wendys

co_owned 1 if company owned

nj 1 if NJ; 0 if Pa

southj 1 if in southern NJ

centralj 1 if in central NJ

northj 1 if in northern NJ

pa1 1 if in PA, northeast suburbs of Philadelphia

pa2 1 if in PA, Easton etc

shore 1 if on NJ shore

type2 type 2nd interview 1=phone; 2=personal

status2 status of second interview; see details

date2 date of second interview MMDDYY format

ncalls number of call-backs*

empft # full-time employees

emppt # part-time employees

nmgrs # managers/assistant managers

fte full time equivalent, FTE = empft + nmgrs + 0-.5*emppt [+]

dfte FTE for after - FTE for before [+]

wage_st starting wage ($/hr)

inctime months to usual first raise

firstinc usual amount of first raise ($/hr)

bonus 1 if cash bounty for new workers

pctaff % employees affected by new minimum

meals free/reduced price code (see details)

open hour of opening

hrsopen number hrs open per day

psoda price of medium soda, including tax

pfry price of small fries, including tax

pentree price of entree, including tax

nregs number of cash registers in store

nregs11 number of registers open at 11:00 am

balanced 1 if empft, nmgrs and emppt observed both periods [+]

Details

See `attr(Fastfood, "desc")`. [+] are added by Chirok Han.

Author(s)

NA

Source

<https://davidcard.berkeley.edu/data_sets.html>

References

Card, D., and A. Krueger (1994). Minimum Wages and Employment: A Case Study of the Fast Food Industry in New Jersey and Pennsylvania, American Economic Review 84, 772-793.

Firmdata	*Open DART firm data*

Description

Korean firm data for 2018 in KOSPI and KOSDAQ

Usage

```
data(Firmdata)
```

Format

A data frame with 2073 rows and 24 variables:

corpcode Firm code

market "KOSPI" or "KOSDAQ"

kospi =1 if KOSPI

kosdaq =1 if KOSDAQ

indcode industry code

sic0 one of A, C, GHI, DEF, JK, and Others

sic1 A, B, ..., U (top SIC categories)

sic2 2-digit SIC

sic3 3-digit SIC

estdate establishment date in yyyymmdd

estyear establishment year

age =2018-estyear

inkorea =1 if the firm operates in Korea

status ="000" if firm information is available

nemp number of employees

totsal total annual salary paid (sum)

avgten average tenure in years

avgsal =totsal/nemp

fstype CFS or OFS

accstatus ="000" if account information is available

sales sales in KRW

oprofit operating profit in KRW

netinc net income in KRW

Author(s)

NA

Source

opendart.fss.or.kr

Galtonpar	*Galton family data*

Description

Parent-level version of Galton's family data

Usage

```
data(Galtonpar)
```

Format

A data frame with 205 rows of 10 variables:

id parent ID, a factor with levels `001-204`

father height of father

mother height of mother

midparht mid-parent height, calculated as `father + 1.08*mother)/2`

numchild number of children

numson number of sons

numdtr number of daughters

avgchildht average height of children

avgsonht average height of sons

avgdtrht average height of daughters

Author(s)

NA

Source

`GaltonFamilies` data in `HistData` package

See Also

`HistData::GaltonFamilies`

Hcons   *Household consumption shares*

Description

Household consumption shares of communication and recreation sector in Korean Household Income and Expenditure Survey 2014

Usage

```
data(Hcons)
```

Format

A data frame with 6723 rows of 3 variables:

age age of household head

comm share of consumption for communication in %

rec share of consumption for recreation in %

Author(s)

NA

Source

Korea Household Income and Expenditure Survey 2014 http://kostat.go.kr/portal/eng/surveyOutline/6/1/index.static

See Also

Hies

Hies   *Household Income and Expenditure Survey 2016*

Description

A subset (30 <= age <= 39) of Korea Household Income and Expenditure Survey 2016

Usage

```
data(Hies)
```

Format

A data frame with 1368 rows of 26 variables:

year year of survey, =2016
famsize number of family members
empnum number of employed members
age age of household head
emp 1 if head is employed
ownhouse 1 if own house
weight cross sectional weight
inc household monthly income
haspinc 1 if has income from properties
totexp household total monthly expenditure
cons household monthly consumption
cons01 household monthly consumption in section 01
cons02 household monthly consumption in section 02
cons03 household monthly consumption in section 03
cons04 household monthly consumption in section 04
cons05 household monthly consumption in section 05
cons06 household monthly consumption in section 06
cons07 household monthly consumption in section 07
cons08 household monthly consumption in section 08
cons09 household monthly consumption in section 09
cons10 household monthly consumption in section 10
cons11 household monthly consumption in section 11
cons12 household monthly consumption in section 12
propens propensity to consume (=cons/inc)
educ years of head's education
female 1 if head is female

Author(s)

NA

Source

http://kostat.go.kr/portal/eng/surveyOutline/6/1/index.static

See Also

Hcons

Hmda   *The Boston HMDA data set*

Description

The Boston HMDA data set in the Ecdat package, with yes/no converted to 1/0

Usage

```
data(Hmda)
```

Format

A data frame with 2381 rows of 13 variables:

dir debt payments to total income ratio

hir housing expenses to income ratio

lvr ratio of size of loan to assessed value of propensity

ccs consumer credit score from 1 to 6 (a low value being a good score)

mcs mortgage credit score from 1 to 4 (a low value being a good score)

pbcr 1 if public bad credit score

dmi 1 if denied mortgage insurance

self 1 if self employed

single 1 if the applicant is single

uria 1989 Massachusetts unemployment rate in the applicant's industry

condominium 1 if unit is a condominium

black 1 if the applicant is black

deny 1 if mortgage application denied

Author(s)

NA

Source

Hmda data in the Ecdat package

Ivdata *Artificial data for studying IV estimation*

Description

Artificial data for studying IV estimation

Usage

```
data(Ivdata)
```

Format

A data frame with 100 rows of 5 variables:

y y variable

x1 x1 variable

x2 x2 variable

z2a z2a variable

z2b z2b variable

Author(s)

NA

Klips *Subset of 2011 KLIPS*

Description

Subset (30 <= age <= 39, nonzero income, 9 <= educ < 20) of 2011 KLIPS

Usage

```
data(Klips)
```

Format

A data frame with 646 rows of 8 variables:

age age

educ years of education

tenure tenure

regular 1 if regular, 0 if irregular

hours hours worked per week

earn monthly earning in 10,000 KRW

labinc annual labor income after tax

married 1 if married

Author(s)

NA

Source

Korea Labor Institute <https://www.kli.re.kr/klips/index.do>

Klosa   *KLoSA wave 4*

Description

Korea Longitudinal Study of Aging wave 4 (2012)

Usage

```
data(Klosa)
```

Format

A data frame with 2153 rows of 45 variables:

pid personal ID

wave = (year-2006)/2 + 1

male 1 if male

educ years of education

age age

married 1 if married, 0 otherwise

childnum number of children

hsize number of housemates

region region type, one of ″big city″, ″small city″, and ″town″

htype type of residential facility, either ″dwelling″ or ″apartment″

religion 1 if has religion

meeting1 1 if in religious meeting groups

meeting2 1 if in social gathering groups

meeting3 1 if in leisure/sports groups, etc.

meeting4 1 if in union/fraternity groups, etc.

meeting5 1 if in volunteer service groups

meeting6 1 if in political/civic/interest groups

health health conditions, one of "excellent", "above average", "average", "below average", and "poor"

hlth 1=poor, 2=below average, 3=average, 4=above average, 5=excellent

hlth3 1=health above average, 0=average, -1=below average

height height in cm

weight weight in kg

exercise period of regular exercise; 0=do not regularly exercise, 1=0~3mo, 2=4~6mo, 3=7mo~1yr, 4=1~2yr, 5=3~4yr, 6=5~6yr, 7=7+yr

bmi BMI

smoke # of cigarettes smoked per day

working 1 if working

jobtype job type; one of waged employee, self-employed, unemployed, unpaid family worker

jobseeking 1 if seeking a job

receive amount received from children last year (10k KRW)

give amount given to children last year (10k KRW)

poketm regular pocket money received from children (10k KRW)

satisfy1 satisfaction about health conditions

satisfy2 satisfaction about economic conditions

satisfy3 satisfaction about relationship with spouse

satisfy4 satisfaction about relationship with children

satisfy5 satisfaction in comparison to others in the same age group (out of 100)

travel1 number of travels last year

travel2 expenditure on travel (10k KRW)

culture1 number of cultural activities

culture2 expenditure on cultural activities

hobby1 hours for hobbies, per month

hobby2 expenditure on hobbies (10k KRW)

training1 hours for self development, per month

training2 expenditure on self development (10k KRW)

voluntary hours of volunteer service

Author(s)

Goeun Lee, NA

Source

Ksalary	*Average salary*

Description

Average salary for Korean firms in 2012

Usage

```
data(Ksalary)
```

Format

A data frame with 1636 rows and 10 variables:

seqno sequential number

market "kospi" or "kosdaq"

sales sales in Bil. KRW

profit profit in Bil. KRW

sector sector (character)

emp number of employees

avgsal average salary in Mil. KRW

avgtenure average years of tenure

kospi =1 if KOSPI

kosdaq =1 if KOSDAQ

Author(s)

NA

Source

https://blog.naver.com/naamoo01/130185489128

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loedata *Data package for Lectures on Econometrics*

Description

This package contains data sets for Lectures on Econometrics by Chirok Han

Author(s)

NA

See Also

help(package="loedata")

Pubserv *Public servants and financial independence*

Description

Korean regional public servants and financial independence in 2010

Usage

data(Pubserv)

Format

A data frame with 86 rows of 3 variables:

gun name of gun

servpc number of public servants per 1000 pop

finind financial independence index, = (local tax + other income)/budget * 100

Author(s)

NA

Source

<http://kostat.go.kr/>

Regko	*Korean regional data (2014-2016 averages)*

Description

Korean regional data for 2014-2016 average

Usage

```
data(Regko)
```

Format

A data frame with 264 rows of 23 variables:

id ID of region

metro Metropolitan region name (metro cities and provinces)

region Region name

type 1=si (non-metropolitan cities), 2=gun, 3=gu in metro cities and provinces

grdp gross regional GDP

regpop population

popgrowth population growth

eq5d the EQ-5D health index

deaths number of registered deaths

drink % of drinkers

hdrink % of high-risk drinkers

smoke % of smokers

aged % of aged 65 and over

divorce # of divorces per 1000 pop

medrate # of medical beds per 1000 pop

gcomp gender composition # men / 100 women

vehipc # of vehicles per person

accpv # of accidents per 1000 vehicles

dumppc waste dump per person, kg/day

stratio # of students per teacher

deathrate # of deaths per 100,000 pop

pctmale =gcmp/(gcomp+100)*100, % of male

accpc =vehipc*accpv, # of accidents per 1000 pop

Author(s)

NA

Source

<http://kostat.go.kr/>

RegkoPanel   *Korean regional panel data (2014-2016)*

Description

Korean regional panel data (2014-2016)

Usage

```
data(RegkoPanel)
```

Format

A data frame with 792 rows of 24 variables:

id ID of region

metro Metropolitan region name (metro cities and provinces)

region Region name

type 1=si (non-metropolitan cities), 2=gun, 3=gu in metro cities and provinces

year Year

grdp gross regional GDP

regpop population

popgrowth population growth (=100*(regpop/regpop[-1]-1))

eq5d the EQ-5D health index

deaths number of deaths

drink % of drinkers

hdrink % of high-risk drinkers

smoke % of smokers

aged % of aged 65 and over

divorce # of divorces per 1000 pop

medrate # of medical beds per 1000 pop

gcomp gender composition # men / 100 women

vehipc # of vehicles per person

accpv # of accidents per 1000 vehicles

dumppc waste dump per person, kg/day

stratio # of students per teacher

deathrate # of deaths per 100,000 pop

pctmale =gcmp/(gcomp+100)*100, % of male

accpc =vehipc*accpv, # of accidents per 1000 pop

Author(s)

NA

Source

<http://kostat.go.kr/>

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