# Package 'SDaA' 

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agpop
Data from the U.S. 1992 Census of Agriculture

## Description

Data from the U.S. 1992 Census of Agriculture

## Usage

agpop

## Format

Data frame with the following 15 variables:
county county name
state state abbreviation
acres92 number of acres devoted to farms, 1992
acres87 number of acres devoted to farms, 1987
acres82 number of acres devoted to farms, 1982
farms92 number of farms, 1992
farms87 number of farms, 1987
farms82 number of farms, 1982
largef92 number of farms with 1000 acres or more, 1992
largef87 number of farms with 1000 acres or more, 1987
largef82 number of farms with 1000 acres or more, 1982
smallf92 number of farms with 9 acres or fewer, 1992
smallf87 number of farms with 9 acres or fewer, 1987
smallf82 number of farms with 9 acres or fewer, 1982
region factor with levels $S$ (south), W (west), NC (north central), NE (northeast)

## Source

U.S. 1992 Census of Agriculture

## References

Lohr (1999). Sampling: Design and Analysis, Duxbury, p. TODO and 437.

## agsrs

## Description

Data from a SRS of size 300 from the U.S. 1992 Census of Agriculture

## Usage

agsrs

## Format

Data frame with the following 14 variables:
county county name
state state abbreviation
acres92 number of acres devoted to farms, 1992
acres87 number of acres devoted to farms, 1987
acres82 number of acres devoted to farms, 1982
farms92 number of farms, 1992
farms87 number of farms, 1987
farms82 number of farms, 1982
largef92 number of farms with 1000 acres or more, 1992
largef87 number of farms with 1000 acres or more, 1987
largef82 number of farms with 1000 acres or more, 1982
smallf92 number of farms with 9 acres or fewer, 1992
smallf87 number of farms with 9 acres or fewer, 1987
smallf82 number of farms with 9 acres or fewer, 1982

## Source

U.S. 1992 Census of Agriculture

## References

Lohr (1999). Sampling: Design and Analysis, Duxbury, p. TODO and 437.

```
agstrat
```

Data from a stratified random sample of size 300 from the U.S. 1992 Census of Agriculture.

## Description

Data from a stratified random sample of size 300 from the U.S. 1992 Census of Agriculture.

## Usage

agstrat

## Format

Data frame with the following 17 variables:
county county name
state state abbreviation
acres92 number of acres devoted to farms, 1992
acres87 number of acres devoted to farms, 1987
acres82 number of acres devoted to farms, 1982
farms 92 number of farms, 1992
farms87 number of farms, 1987
farms82 number of farms, 1982
largef92 number of farms with 1000 acres or more, 1992
largef87 number of farms with 1000 acres or more, 1987
largef82 number of farms with 1000 acres or more, 1982
smallf92 number of farms with 9 acres or fewer, 1992
smallf87 number of farms with 9 acres or fewer, 1987
smallf82 number of farms with 9 acres or fewer, 1982
region factor with levels S (south), W (west), NC (north central), NE (northeast)
rn random numbers used to select sample in each stratum
weight sampling weighs for each county in sample

## Source

U.S. 1992 Census of Agriculture

## References

Lohr (1999). Sampling: Design and Analysis, Duxbury, p. TODO and 437.
anthrop Length of Left Middle Finger and Height for 3000 Criminals

## Description

Length of left middle finger and height for 3000 criminals

## Usage

anthrop

## Format

Data frame with the following 2 variables:
finger length of left middle finger (cm)
height height (inches)

## Source

Macdonell, W. R. (1901). On criminal anthropometry and the identification of criminals, Biometrika, 1: 177-227.

## References

Lohr (1999). Sampling: Design and Analysis, Duxbury, p. TODO and 438.

```
anthsrs

\section*{Description}

Length of left middle finger and height for an SRS of 200 criminals from the anthrop dataset

\section*{Usage}
anthsrs

\section*{Format}

Data frame with the following 2 variables:
finger length of left middle finger (cm)
height height (inches)

\section*{Source}

Macdonell, W. R. (1901). On criminal anthropometry and the identification of criminals, Biometrika, 1: 177-227.

\section*{References}

Lohr (1999). Sampling: Design and Analysis, Duxbury, p. TODO and 438.
\begin{tabular}{ll} 
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Length of Left Middle Finger and Height for an Unequal-Probability \\
Sample of Size 200
\end{tabular}
\end{tabular} Sample of Size 200

\section*{Description}

Length of left middle finger and height for an unequal-probability sample of criminals of size 200 from the anthrop dataset. The probability of selection, psi[i], was proportional to 24 for \(\mathrm{y}<65,12\) for \(\mathrm{y}=65,2\) for \(\mathrm{y}=66\) or 67 , and 1 for \(\mathrm{y}>67\).

\section*{Usage}
anthuneq

\section*{Format}

Data frame with the following 3 variables:
finger length of left middle finger (cm)
height height (inches)
prob probability of selection

\section*{Source}

Macdonell, W. R. (1901). On criminal anthropometry and the identification of criminals, Biometrika, 1: 177-227.

\section*{References}

Lohr (1999). Sampling: Design and Analysis, Duxbury, p. TODO and 438.
```

audit Selection of Accounts for Audit in Example 6.11

```

\section*{Description}

Selection of Accounts for Audit in Example 6.11

\section*{Usage}
audit

\section*{Format}

Data frame with the following 6 variables:
account audit unit
bookval book value of account
cumbv cumulative book value
rn1 random number 1 selecting account
rn2 random number 2 selecting account
rn3 random number 3 selecting account

\section*{References}

Lohr (1999). Sampling: Design and Analysis, Duxbury, p. TODO and 439.
books
Data from Home Owner's Survey on Total Number of Books

\section*{Description}

Data from home owner's survey on total number of books

\section*{Usage}
books

\section*{Format}

Data frame with the following 6 variables:
shelf shelf number
number number of the book selected
purchase purchase cost of the book
replace replacement cost of book

\section*{Note}

Used in Exercise 6 of Chapter 5.

\section*{References}

Lohr (1999). Sampling: Design and Analysis, Duxbury, p. TODO and 439.

\section*{Description}

Data from the 1994 Survey of ASA Membership on Certification

\section*{Usage}
certify

\section*{Format}

Data frame with the following 11 variables:
certify should the ASA develop some form of certification? factor with levels yes, possibly, noopinion, unlikely and no
approve would you approve of a certification program similar to that described in the July 1993 issue of Amstat News? factor with levels yes, possibly, noopinion, unlikely and no
speccert Should there be specific certification programs for statistics subdisciplines? factor with levels yes, possibly, noopinion, unlikely and no
wouldyou If the ASA developed a certification program, would you attempt to become certified? factor with levels yes, possibly, noopinion, unlikely and no
recert If the ASA offered certification, should recertification be required every several years? factor with levels yes, possibly, noopinion, unlikely and no
subdisc Major subdiscipline; factor with levels BA (Bayesian), BE (business and economic), BI (biometrics), BP (biopharmaceutical), CM (computing), EN (environment), EP (epidemiology), GV (government), MR (marketing), PE (physical and engineering), QP (quality and productivity), SE (statistical education), SG (statistical graphics), SP (sports), SR (survey research), SS (social statistics), TH (teaching statistics in health sciences), 0 (other)
college Highest collegiate degree; factor with levels B (BS or BA), M (MS), N (none), P (PhD) and 0 (other)
employ Employment status; factor with levels E (employed), I (in school), R (retired), S (selfemployed), \(U\) (unemployed) and 0 (other)
workenv Primary work environment; factor with levels A (academia), G (government), I (industry), 0 (other)
workact Primary work activity; factor with levels \(C\) (consultant), \(E\) (educator), \(P\) (practitioner), \(R\) (researcher), S (student) and 0 (other)
yearsmem For how many years have you been a member of ASA?

\section*{Note}

The full dataset is on Statlib

\section*{References}

Lohr (1999). Sampling: Design and Analysis, Duxbury, p. TODO and 439. http://lib.stat. cmu.edu/asacert/certsurvey
coots Egg Size from Coots

\section*{Description}

Selected information on egg size from coots, from a study by Arnold (1991). Data courtesy of Todd Arnold.

\section*{Usage}
coots

\section*{Format}

Data frame with the following 11 variables:
clutch clutch number from which eggs were subsampled
csize number of eggs in clutch (Mi)
length length of egg (mm)
breadth maximum breadth of egg (mm)
volume calculated as 0.00507 x length x breadth^2
tmt received supplemental feeding? factor with levels no and yes

\section*{Note}

Not all observations are used for this data set, so results may not agree with those in Arnold (1991)

\section*{Source}

Arnold, T.W. (1991). Intraclutch variation in egg size of American Coots, The Condor, 93: 19-27

\section*{References}

Lohr (1999). Sampling: Design and Analysis, Duxbury, p. TODO and 440.
counties
Data from an SRS of 100 of the 3141 Counties in the U.S.

\section*{Description}

Data from an SRS of 100 of the 3141 Counties in the U.S.

\section*{Usage}
counties

\section*{Format}

Data frame with the following 18 variables:
\(\mathbf{R N}\) random number used to select the country
state state (two-letter abbreviation)
county county
landarea land area, 1990 (square miles)
totpop total population, 1992
physician active nonfederal physicians on Jan. 1, 1990
enroll school enrollment in elementary or high school, 1990
percpub percent of school enrollment in public schools
civlabor civilian labor force, 1991
unemp number unemployed, 1991
farmpop farm population, 1990
numfarm number of farms, 1987
farmacre acreage in farms, 1987
fedgrant total expenditures in federal funds and grants, 1992 (millions of dollars)
fedciv civilians employed by federal government, 1990
milit military personnel, 1990
veterans number of veterans, 1990
percviet percentage of veterans from Vietnam era, 1990

\section*{Source}
U.S. Bureau of Census, 1994

\section*{References}

Lohr (1999). Sampling: Design and Analysis, Duxbury, p. TODO and 440.
divorce Data from a Sample of Divorce Records

\section*{Description}

Data from a sample of divorce records for states in the Divorce Registration Area (National Center for Health Statistics 1987)

\section*{Usage}
divorce

\section*{Format}

Data frame with the following 20 variables:
state state name
abbrev state abbreviation
samprate sampling rate for state
numrecs number of records sampled in state
hsblt20 number of records in sample with husband's age \(<20\)
hsb2024 number of records with \(20<=\) husband's age \(<=24\)
hsb2529 number of records with \(25<=\) husband's age <= 29
hsb3034 number of records with \(30<=\) husband's age \(<=34\)
hsb3539 number of records with \(35<=\) husband's age \(<=39\)
hsb4044 number of records with \(40<=\) husband's age \(<=44\)
hsb4549 number of records with \(45<=\) husband's age \(<=49\)
hsbge50 number of records with wife's age \(>=50\)
wflt20 number of records in sample with wife's age \(<20\)
wf2024 number of records with \(20<=\) wife's age \(<=24\)
wf2529 number of records with \(25<=\) wife's age \(<=29\)
wf3034 number of records with \(30<=\) wife's age \(<=34\)
wf3539 number of records with \(35<=\) wife's age \(<=39\)
wf4044 number of records with \(40<=\) wife's age \(<=44\)
wf4549 number of records with \(45<=\) wife's age \(<=49\)
wfge50 number of records with wife's age \(>=50\)

\section*{Source}

National Center of Health Statistics (1987). TODO

\section*{References}

Lohr (1999). Sampling: Design and Analysis, Duxbury, p. TODO and 440.

\section*{golfsrs Simple Random Sample of Golf Courses}

\section*{Description}

Simple Random Sample (SRS) of 120 golf courses taken from the population of the (now defunct) Website www.golfcourse.com

\section*{Usage}
golfsrs

\section*{Format}

Data frame with the following 16 variables:
\(\mathbf{R N}\) random number used to select golf course for sample
state state name
holes number of holes
type type of course; factor with levels priv (private), semi (semi-private), pub (public), mili (military) and res (resort)
yearblt year the course was built
wkday18 greens fee for 18 holes during week
wkday9 greens fee for 9 holes during week
wkend18 greens fee for 18 holes on weekend
wkend9 greens fee for 9 holes on weekend
backtee back-tee yardage
rating course rating
par par for course
cart18 golf cart rental fee for 18 holes
cart9 golf cart rental fee for 9 holes
caddy Are caddies available? factor with levels yes and no
pro Is a golf pro available? factor with levels yes and no

\section*{Source}

The now defunct website golfcourse.com (https://web.archive.org/web/19991108203827/ http://golfcourse.com/)

\section*{References}

Lohr (1999). Sampling: Design and Analysis, Duxbury, p. TODO and TODO.

\section*{Description}

Height and gender of 2000 persons in an artificial population

\section*{Usage}
htpop

\section*{Format}
height height of person, cm
gender factor with levels \(F\) (female) and M (male)

\section*{References}

Lohr (1999). Sampling: Design and Analysis, Duxbury, p. 230-234 and 441.
```

    htsrs Height and gender for an SRS of 200 persons, taken from htpop
    ```

\section*{Description}

Height and gender for an SRS of 200 persons, taken from htpop

\section*{Usage}
htsrs

\section*{Format}
rn random number used to select the unit
height height of person, cm
gender factor with levels \(F\) (female) and \(M\) (male)

\section*{References}

Lohr (1999). Sampling: Design and Analysis, Duxbury, p. 230-234 and 442.
```

htstrat Height and gender for a stratified random sample from htpop

```

\section*{Description}

Height and gender for a stratified random sample of 160 women and 40 men taken from the htpop population

\section*{Usage}
htstrat

\section*{Format}
rn random number used to select the unit
height height of person, cm
gender factor with levels \(F\) (female) and M (male)

\section*{References}

Lohr (1999). Sampling: Design and Analysis, Duxbury, p. 230-234 and 442.
journal Types of Sampling Used for Articles in a Sample of Journals

\section*{Description}

Types of Sampling Used for Articles in a Sample of Journals

\section*{Usage}
journal

\section*{Format}

Data frame with the following 3 variables:
numemp number of articles in 1988 that used sampling
prob number of articlues that used probability sampling
nonprob number of articles that used nonprobability sampling

\section*{Source}

Jacoby and Handlin (1991). TODO

\section*{References}

Lohr (1999). Sampling: Design and Analysis, Duxbury, p. TODO and 442.
lahiri.design Draw Samples Using Lahiri's Method

\section*{Description}

Draw Samples Using Lahiri's Method

\section*{Usage}
lahiri.design(relsize, \(n\), clnames = seq(along = relsize))

\section*{Arguments}
relsize vector of relative sizes of population PSUs
\(\mathrm{n} \quad\) desired sample size
clnames vector of PSU names for population

\section*{Value}
clusters vector of \(n\) PSUs selected with replacement and with probability proportional to relsize

\section*{Note}

Original code from Lohr (1999), p. \(452-453\).

\section*{Author(s)}

Sharon Lohr, slightly modified by Tobias Verbeke

\section*{References}

Lahiri, D. B. (1951). A method of sample selection providing unbiased ratio estimates, Bulletin of the International Statistical Institute, 33: 133 - 140.
measles

Survey of Parents of Children Non-Immunized against Measles

\section*{Description}

Roberts et al. (1995) report on the results of a survey of parents whose children had not been immunized against measles during a recent campaign to immunize all children in the first five years of secondary school.

\section*{Usage}
measles

\section*{Format}

Data frame with 11 variables. A parent who refused consent (variable 4) was asked why, with responses in variables 5-10. A parent could give more than one reason for not having the child immunized.
school school attended by child
form parent received consent form
returnf parent returned consent form
consent parent gave consent for measles immunization
hadmeas child had already had measles
previmm child had been immunized against measles
sideeff parent concerned about side effects
gp parent wanted GP (general practitioner) to give vaccine
noshot child did not want injection
notser parent thought measles not serious illness
gpadv GP advised that vaccine was not needed

\section*{Note}

The original data were unavailable; univariate and multivariate summary statistics from these artificial data, however, are consistent with those in the paper.

\section*{Source}

Roberts R. J. et al. (1995). Reasons for non-uptake of measles, mumps, and rubella catch up immunisation in a measles epidemic and side effects of the vaccine, British Medical Journal, 310, 1629-1632.

\section*{References}

Lohr (1999). Sampling: Design and Analysis, Duxbury, p. TODO and 442.
ncvs Victimization Incidents in the July-December 1989 NCVS

\section*{Description}

Selected variables for victimization incidents in the July-December 1989 NCVS. Note that some variables were recoded from the original data file.

\section*{Usage}

\section*{Format}

Data frame with the following seven variables:
wt incident weight
sex factor with levels male and female
violent violent crime? factor with levels no and yes
injury did the victim have injuries? factor with levels no and yes
medcare factor with levels yes if the victim received medical care and no otherwise
reppol was the incident reported to the police? factor with levels yes and no
numoff number of offenders involved in crime; factor with levels one, more (more than one) and dontknow

\section*{Source}

Incident-level concatenated file, NCS8864I, in NCJ-130915, U.S. Department of Justice 1991.

\section*{References}

Lohr (1999). Sampling: Design and Analysis, Duxbury, p. TODO and 443.

\section*{nybight Data Collected in the New York Bight}

\section*{Description}

Data collected in the New York Bight for June 1974 and June 1975 (Wilk et al. 1977)

\section*{Usage}
nybight

\section*{Format}

Data frame with the following 7 variables:
year year
stratum stratum membership, based on depth
catchnum number of fish caught during trawl
catchwt total weight ( kg ) of fish caught during trawl
numspp number of species of fish caught during trawl
depth depth of station (m)
temp surface temperature (degrees Celsius)

\section*{Note}

Two of the original strata were combined because of insufficient sample sizes.

\section*{Source}

Wilk, S.J. et al. (1977). Fishes and associated environmental data collected in New York bight, June 1974 - June 1975. NOAA Technical Report NMFS SSRF-716. Washington, D.C: Government Printing Office.

\section*{References}

Lohr (1999). Sampling: Design and Analysis, Duxbury, p. TODO and 443.
otters Otters Data

\section*{Description}

Data on number of holts (dens) in Shetland, United Kingdom used in Kruuk et al. (1989). (Data courtesy of Hans Kruuk).

\section*{Usage}
otters

\section*{Format}

Data frame with the following three variables:
section coastline section
habitat type of habitat (stratum)
holts number of holts

\section*{Source}

Kruuk, H.A. et al. (1989). An estimate of numbers and habitat preferences of otters Lutra lutra in Shetland, UK., Biological Conservation, 49: 241-254.

\section*{References}

Lohr (1999). Sampling: Design and Analysis, Duxbury, p. TODO and 443.

\section*{Description}

Hourly ozone readings in parts per billion (ppb) from Eskdalemuir, Scotland, for 1994 and 1995

\section*{Usage}
ozone

\section*{Format}

Data frame with the following 25 variables:
date date (day/month/year)
GMT1 ozone reading at 1:00 GMT
GMT2 ozone reading at 2:00 GMT
GMT3 ozone reading at 3:00 GMT
GMT4 ozone reading at 4:00 GMT
GMT5 ozone reading at 5:00 GMT
GMT6 ozone reading at 6:00 GMT
GMT7 ozone reading at 7:00 GMT
GMT8 ozone reading at 8:00 GMT
GMT9 ozone reading at 9:00 GMT
GMT10 ozone reading at 10:00 GMT
GMT11 ozone reading at 11:00 GMT
GMT12 ozone reading at 12:00 GMT
GMT13 ozone reading at 13:00 GMT
GMT14 ozone reading at 14:00 GMT
GMT15 ozone reading at 15:00 GMT
GMT16 ozone reading at 16:00 GMT
GMT17 ozone reading at 17:00 GMT
GMT18 ozone reading at 18:00 GMT
GMT19 ozone reading at 19:00 GMT
GMT20 ozone reading at 20:00 GMT
GMT21 ozone reading at 21:00 GMT
GMT22 ozone reading at 22:00 GMT
GMT23 ozone reading at 23:00 GMT
GMT24 ozone reading at 24:00 GMT

\section*{Source}

Air Quality Information Centre: retrieved from a now defunct URL (http://www.aeat.co.uk)

\section*{References}

Lohr (1999). Sampling: Design and Analysis, Duxbury, p. TODO and 443.
```

samples Samples Dataset

```

\section*{Description}

All possible SRSs that can be generated from the population in Example 2.1 of Lohr(1999).

\section*{Usage}
samples

\section*{Format}

Data frame with the following 10 variables:
snum sample number
unit1 first unit in sample
unit2 second unit in sample
unit3 third unit in sample
unit4 fourth unit in sample
value1 value for first unit in sample
value 2 value for second unit in sample
value 3 value for third unit in sample
value4 value for fourth unit in sample
that \(t\) hat, i.e. estimate of the population total based on the given sample

\section*{References}

Lohr (1999). Sampling: Design and Analysis, Duxbury, p. 26-27 and 444.
seals Breathing Holes of Seals

\section*{Description}

Data on number of breathing holes found in sampled areas of Svalbard fjords, reconstructed from summary statistics given in Lydersen and Ryg (1991)

\section*{Usage}
seals

\section*{Format}

Data frame with the following 2 variables:
zone zone number for sampled area
holes number of breathing holes Imjak found in area

\section*{Note}

The data are used in Chapter 4, Exercise 11.

\section*{Source}

Lydersen, C. and Ryg, M. (1991). Evaluating breeding habitat and populations of ringed seals Phoca hispida in Svalbard fjords, Polar Record, 27: 223-228.

\section*{References}

Lohr (1999). Sampling: Design and Analysis, Duxbury, p. TODO and 444.
```

    selectrs Steps used in Selecting an SRS
    ```

\section*{Description}

Steps used in selecting the simple random sample (SRS) in Example 2.4 of Lohr(1999).

\section*{Usage}
selectrs

\section*{Format}

Data frame with the following 5 variables:
a random number generated between 0 and 1
b ceiling ( \(3048 * \mathrm{RN}\) ), with RN the random number in column a
c distinct values in column b
d new values generated to replace duplicates in \(b\)
e final set of distinct values to be used in sample

\section*{Note}
the set of indices in column e was used to select observations from agpop into dataset agsrs.

\section*{References}

Lohr (1999). Sampling: Design and Analysis, Duxbury, p. 31-34 and 444.

\section*{Description}
counties selected with probability proportional to 1992 population

\section*{Usage}
statepop

\section*{Format}
state state abbreviation
county county
landarea land area of country, 1990 (square miles)
popn population of county, 1992
phys number of physicians, 1990
farmpop farm population, 1990
numfarm number of farms, 1987
farmacre number of acres devoted to farming, 1987
veterans number of veterans, 1990
percviet percent of veterans from Vietnam era, 1990

Source
City and Counties Book, 1994

\section*{References}

Lohr (1999). Sampling: Design and Analysis, Duxbury, p. 190 - 192 and 444.
```

statepps Information on States

```

\section*{Description}

Number of counties, land area, and population for the 50 states plus the District of Columbia

\section*{Usage}
statepps

\section*{Format}

Date frame with the following 7 variables:
state state name
counties number of counties in state
cumcount cumulative number of counties
landarea land area of state, 1990 (square miles)
cumland cumulative land area
popn population of state, 1992
cumpopn cumulative population

\section*{References}

Lohr (1999). Sampling: Design and Analysis, Duxbury, p. TODO and 445.

> syc

Survey of Youth in Custody, 1987

\section*{Description}

The 1987 Survey of Youth in Custody sampled juveniles and young adults in long-term, stateoperated juvenile institutions. Residents of facilities at the end of 1987 were interviewed about family background, previous criminal history, and drug and alcohol use. Selected variables from the survey are contained in the syc data frame.

\section*{Usage}
syc

\section*{Format}
stratum stratum number
psu psu (facility) number
psusize number of eligible residents in psu
initwt initial weight
finalwt final weight
randgrp random group number
age age of resident
race race of resident: factor with levels 1 (white), 2 (black), 3 (Asian/Pacific Islander), 4 (American Indian, Aleut, Eskimo), 5 (other)
ethnicty ethnicity; factor with levels hispanic and notHispanic
educ highest grade before sent to correctional institution; factor with levels 0 (never attended), 1-12 (highest grade attended), 13 (GED), 14 (other)
sex factor with levels male and female
livewith factor with levels 1 (mother only), 2 (father only), 3 (both mother and father), 4 (grandparents), 5 (other relatives), 6 (friends), 7 (foster home), 8 (agency or institution), 9 (someone else)
famtime Has anyone in your family, such as your mother, father, brother, sister, ever served time in jail or prison? factor with levels yes and no
crimtype most serious crime in current offense; one of violent (e.g. murder, rape, robbery, assault), property (e.g. burglary, larceny, arson, fraud, motor vehicle theft), drug (drug possession or trafficking), publicorder (weapons violation, perjury, failure to appear in court), juvenile (juvenile-status offense, e.g. truancy, running away, incorrigible behavior)
everviol Ever put on probation or sent to correctional institution for violent offense? factor with levels no and yes
numarr number of times arrested (integer)
probtn number of times on probation
corrinst number of times previously committed to correctional institution
evertime Prior to being sent here, did you ever serve time in a correctional institution? factor with levels yes and no
prviol previously arrested for violent offense; factor with levels no and yes
prprop previously arrested for property offense; factor with levels no and yes
prdrug previously arrested for drug offense; factor with levels no and yes
prpub previously arrested for public-order offense; factor with levels no and yes
prjuv previously arrested for juvenile-status offense; factor with levels no and yes
agefirst age first arrested (integer)
usewepn Did you use a weapon... for this incident? factor with levels yes and no
alcuse Did you drink alcohol at all during the year before being sent here this time? factor with levels yes, noduringyear, noatall
everdrug Ever used illegal drugs? factor with levels no, yes

\section*{Source}

Inter-University Consortium on Political and Social Research, NCJ-130915, U.S. Department of Justice 1989.

\section*{References}

Lohr (1999). Sampling: Design and Analysis, Duxbury, p. 235-239 and 445.
```

teachers Elementary School Teacher Workload Data

```

\section*{Description}

Selected variables from a study on elementary school teacher workload in Maricopa County, Arizona.

\section*{Usage}
teachers

\section*{Format}
data frame with the following 6 variables:
dist school district size; factor with levels large and me/sm (medium/small)
school school identifier
hrwork number of hours required to work at school per week
size class size
preprmin minutes spent per week in school on preparation
assist minutes per week that a teacher's aide works with the teacher in the classroom

\section*{Note}

The study is described in Exercise 16 of Chapter 15. The psu sizes are given in teachmi. The large stratum had 245 schools; the small/medium stratum had 66 schools.

\section*{Source}

Data courtesy of Rita Gnap (1995).

\section*{References}

Gnap, R. (1995). Teacher load in Arizona elementary school districts in Maricopa County. Ph.D. diss., Arizona State University
Lohr (1999). Sampling: Design and Analysis, Duxbury, p. TODO and 446.

\section*{Description}

Cluster sizes for the study on elementary school teacher workload in Maricopa County, Arizona.

\section*{Usage}
teachmi

\section*{Format}
data frame with the following 6 variables:
dist school district size; factor with levels large and me/sm (medium/small)
school school identifier
popteach number of teachers in that school
ssteach number of surveys returned from that school

\section*{Note}

The study is described in Exercise 16 of Chapter 15. The actual date are given in teachers.

\section*{Source}

Data courtesy of Rita Gnap (1995).

\section*{References}

Gnap, R. (1995). Teacher load in Arizona elementary school districts in Maricopa County. Ph.D. diss., Arizona State University
Lohr (1999). Sampling: Design and Analysis, Duxbury, p. TODO and 446.
```

teachnr

```

Follow-Up Study of Nonrespondents from Gnap (1995)

\section*{Description}

Follow-up study of nonrespondents from the Gnap (1995) study on the workload of elementary school teachers in Maricopa County, Arizona.

\section*{Usage}
teachnr

\section*{Format}
data frame with the following 6 variables:
hrwork number of hours required to work at school per week
size class size
preprmin minutes spent per week in school on preparation
assist minutes per week that a teacher's aide works with the teacher in the classroom

Note
The study is described in Exercise 16 of Chapter 15. The actual date are given in teachers. Cluster size data for the original study are given in teachmi.

\section*{Source}

Data courtesy of Rita Gnap (1995).

\section*{References}

Gnap, R. (1995). Teacher load in Arizona elementary school districts in Maricopa County. Ph.D. diss., Arizona State University
Lohr (1999). Sampling: Design and Analysis, Duxbury, p. TODO and 446.
```

winter ASU Winter Closure Survey

```

\section*{Description}

Selected variables from the Arizona State University Winter Closure Survey, taken in January 1995. This survey was taken to investigate the attitudes and opinions of university employees toward the closing of the university between December 25 and January 1.

\section*{Usage}
winter

\section*{Format}
data frame with the following 6 variables:
class stratum number; factor with levels faculty, classstaff (classified staff), admstaff (administrative staff) and acprof (academic professional)
yearasu factor with levels 1 (1-2 years), 2 ( \(3-4\) years), 3 (5-9 years), 4 (10-14 years) and 5 ( 15 or more years)
vacation In the past, have you usually taken vacation days in the entire period between December 25 and January 1? factor with levels no and yes
winter
work Did you work on campus during Winter Break Closure? factor with levels no and yes
havediff Did the Winter Break Closure cause you any difficulty/concerns? factor with levels no and yes
negaeffe Did the Winter Break Closure negatively affect your work productivity? factor with levels no and yes
ownsupp I was unable to obtain staff support in my department/office. factor with levels yes and no
othersup I was unable to obtain staff support in other departments/offices. factor with levels yes and no
utility I was unable to access computers, copy machine, etc. in my department/office. factor with levels yes and no
environ I was unable to endure environmental conditions - e.g., not properly climatized. factor with levels yes and no
uniserve I was unable to access university services necessary to my work; factor with levels yes and no
workelse I was unable to work on my assignments because I work in another department/office; factor with levels yes and no
offclose I was unable to work on my assignments because my office was closed; factor with levels yes and no
treatsta compared to other departments/offices, I feel staff in my department/office were treated fairly; factor with levels strongagr (strongly agree), agree, undecided, disagree, strdisagr (strongly disagree)
treatme compared to other people working in my department/office, I feel I was treated fairly; factor with levels strongagr (strongly agree), agree, undecided, disagree, strdisagr (strongly disagree)
process How satisfied are you with the process used to inform staff about Winter Closure? factor with levels verysat (very satisfied), satisfied, undecided, dissatisfied and verydissat (very dissatisfied)
satbreak How satisfied are you with the fact that ASU had a Winter Break Closure this year? factor with levels verysat (very satisfied), satisfied, undecided, dissatisfied and verydissat (very dissatisfied)
breakaga Would you want to have Winter Break Closure again? factor with levels no and yes

\section*{Source}
courtesy of the ASU Office of University Evaluation.

\section*{References}

Lohr (1999). Sampling: Design and Analysis, Duxbury, p. TODO and 447-448.

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