

Data from the Child Health and Development Studies

Description

Birth weight, date, and gestational period collected as part of the Child Health and Development Studies in 1961 and 1962. Information about the baby's parents — age, education, height, weight, and whether the mother smoked is also recorded.

Usage

```
data(Gestation)
```

Format

A data frame with 1236 observations on the following variables.

- `id` identification number
- `plurality` 5 = single fetus
- `outcome` 1 = live birth that survived at least 28 days
- `date` birth date where 1096=January 1, 1961
- `gestation` length of gestation (in days)
- `wt` birth weight (in ounces)
- `parity` total number of previous pregnancies (including fetal deaths and still births)
- `race` mother's race: 0=5=white 6=mex 7=black 8=asian 9=mixed
- `age` mother's age in years at termination of pregnancy
- `ed` mother's education: 0= less than 8th grade, 1 = 8th -12th grade - did not graduate, 2= HS graduate—no other schooling, 3= HS+trade, 4=HS+some college, 5=College graduate, 6=Trade school, 7=HS unclear
- `ht` mother's height in inches to the last completed inch
- `wt.1` mother's prepregnancy weight (in pounds)
- `drace` father's race (a factor with levels equivalent to mother's race)
- `dage` father's age (in years)
- `ded` father's education (same coding as mother's education)
- `dht` father's height in inches to the last completed inch
- `dwt` father's weight (in pounds)
- `marital` marital status: 1=married, 2=legally separated, 3=divorced, 4=widowed, 5=never married
- `inc` family yearly income in \$2500 increments: 0=under 2500, 1=2500-4999, ..., 8=12,500-14,999, 9=15000+
- `smoke` does mother smoke? 0=never, 1=smokes now, 2=until current pregnancy, 3=once did, not now
- `time` time since quitting smoking: 0=never smoked, 1=still smokes, 2=during current preg, 3=within 1 year, 4=1 to 2 years ago, 5= 2 to 3 years ago, 6= 3 to 4 years ago, 7=5 to 9 years ago, 8=10+ years ago, 9=quit and don't know

- number number of cigarettes smoked per day for past and current smokers 0=never, 1=1-4, 2=5-9, 3=10-14, 4=15-19, 5=20-29, 6=30-39, 7=40-60, 8=60+, 9=smoke but don't know

Details

The data were presented by Nolan and Speed to address the question of whether there is a link between maternal smoking and the baby's health for male births.

Source

The book by Nolan and Speed describes the data in more detail and provides an Internet site for accessing them:

<http://www.stat.berkeley.edu/users/statlabs>

References

D Nolan and T Speed. *Stat Labs: Mathematical Statistics Through Applications* (2000), Springer-Verlag.

Examples

```
data(Gestation)
```