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#### Hot dog data set
## Moore, David S., and George P. McCabe (1989).
##Introduction to the Practice of Statistics. Original source:
##Consumer Reports, June 1986, pp. 366-367.
## Measured calories & sodium (milligram)/hotdog on various samples
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```
#### you can read a csv file into R
## mydata <- read.csv(file="hotdog.csv",head=TRUE,sep=",")
```

```
#### you can read aa R data set into R
## load("hotdog.RData")
```

```
#### Following example has the data in the code itself
```

```
`hotdog` <-
  structure(list(type = c("Beef", "Beef", "Beef", "Beef", "Beef", "Beef", "Beef", "Beef",
    "Beef", "Beef", "Beef", "Beef", "Beef", "Beef", "Beef", "Beef",
    "Beef", "Beef", "Beef", "Beef", "Meat", "Meat", "Meat", "Meat", "Meat", "Meat", "Meat",
    "Meat", "Meat", "Meat", "Meat", "Meat", "Meat", "Meat",
    "Meat", "Meat", "Meat",
    "Poultry", "Poultry", "Poultry", "Poultry", "Poultry",
    "Poultry", "Poultry", "Poultry", "Poultry", "Poultry",
    "Poultry", "Poultry", "Poultry", "Poultry", "Poultry",
    "Poultry", "Poultry"),
    calories= c(186,181,176,149,184,190,158,139,175,148,152,
      111,141,153,190,157,131,149,135,132,173,191,
      182,190,172,147,146,139,175,136,179,153,107,
      195,135,140,138,129,132,102,106,94,102,87,
      99,107,113,135,142,86,143,152,146,144),
    sodium = c(495,477,425,322,482,587,370,322,479,375,330,
      300,386,401,645,440,317,319,298,253,458,506,
      473,545,496,360,387,386,507,393,405,372,144,
      511,405,428,339,430,375,396,383,387,542,359,
      357,528,513,426,513,358,581,588,522,545)),
    .Names = c("type", "calories",
      "sodium"), row.names =
    c(NA, -54L), class = "data.frame")
```

```
hotdog
str(hotdog)
head(hotdog)
tail(hotdog)
```

```
summary(hotdog)
summary(hotdog[2:3])
library(Hmisc)
describe(hotdog[2:3])
library(pastecs)
stat.desc(hotdog[2:3])
library(psych)
describeBy(hotdog[2:3],hotdog$type)
attach(hotdog)
describeBy(calories,type)
describeBy(sodium,type)
```