

Kable

Veerasak Kritsanapraphan

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```
library(MASS)
library(plyr)
str(birthwt)
```

```
## 'data.frame': 189 obs. of 10 variables:
## $ low : int 0 0 0 0 0 0 0 0 0 0 ...
## $ age : int 19 33 20 21 18 21 22 17 29 26 ...
## $ lwt : int 182 155 105 108 107 124 118 103 123 113 ...
## $ race : int 2 3 1 1 1 3 1 3 1 1 ...
## $ smoke: int 0 0 1 1 1 0 0 0 1 1 ...
## $ ptl : int 0 0 0 0 0 0 0 0 0 0 ...
## $ ht : int 0 0 0 0 0 0 0 0 0 0 ...
## $ ui : int 1 0 0 1 1 0 0 0 0 0 ...
## $ ftv : int 0 3 1 2 0 0 1 1 1 0 ...
## $ bwt : int 2523 2551 2557 2594 2600 2622 2637 2637 2663 2665 ...
```

```
# Assign better variable names
```

```
colnames(birthwt) <- c("birthwt.below.2500", "mother.age", "mother.weight",
  "race", "mother.smokes", "previous.prem.labor", "hypertension", "uterine.irr",
  "physician.visits", "birthwt.grams")
```

```
# Assign better labels to categorical variables
```

```
birthwt <- transform(birthwt,
  race = as.factor(mapvalues(race, c(1, 2, 3),
    c("white", "black", "other"))),
  mother.smokes = as.factor(mapvalues(mother.smokes,
    c(0,1), c("no", "yes"))),
  hypertension = as.factor(mapvalues(hypertension,
    c(0,1), c("no", "yes"))),
  uterine.irr = as.factor(mapvalues(uterine.irr,
    c(0,1), c("no", "yes"))),
  birthwt.below.2500 = as.factor(mapvalues(birthwt.below.2500,
    c(0,1), c("no", "yes")))
)
```

```
library(knitr)
```

```
kable(with(birthwt, tapply(birthwt.grams, INDEX = list(race, mother.smokes), FUN=mean)), format = "html")
```

no

yes

black

2854.500

2504.000

other

2815.782

2757.167

white

3428.750

2826.846