

marriage

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reference:

- Cannon, et al., Stat2, chapter 09, example 9.8

Import the data.

```
marriage <- c(176, 134, 148, 142)
dim(marriage) <- c(2, 2)
dimnames(marriage) <- list("mother married"=c("yes", "no"),
                           child=c("boy", "girl"))
marriage
```

```
##           child
## mother married boy girl
##           yes 176 148
##           no  134 142
```

```
addmargins(marriage)
```

```
##           child
## mother married boy girl Sum
##           yes 176 148 324
##           no  134 142 276
##           Sum 310 290 600
```

Odds ratio.

```
odds.mother.married.boy <- 176 / 134
odds.mother.married.girl <- 148 / 142
odds.ratio <- odds.mother.married.boy / odds.mother.married.girl
odds.ratio
```

```
## [1] 1.260186
```