

RAKING EXAMPLE FROM STAT 440 BOOK

**Assumptions needed: simple random nonresponse
or precise model for nonresponse prob's by cell.**

```
> WTbl
  Black White Asian Nat.Amer Oth
F   300  1200    60         30  30
M   150  1080    90         30  30

> Rowct <- c(1510,1490)
> Colct <- c(600,2120,150,100,30)

> newtbl <- WTbl
  newtbl <- (Rowct/apply(newtbl,1,sum))*newtbl
    Black   White   Asian Nat.Amer   Oth
F 279.6296 1118.519 55.92593 27.96296 27.96296
M 161.9565 1166.087 97.17391 32.39130 32.39130

> newtbl <- t((Colct/apply(newtbl,2,sum))*t(newtbl))
    Black   White   Asian Nat.Amer   Oth
F 379.9435 1037.929 54.79358 46.33138 13.89941
M 220.0565 1082.071 95.20642 53.66862 16.10059

> for(i in 1:20) {
  newtbl <- (Rowct/apply(newtbl,1,sum))*newtbl
  newtbl <- t((Colct/apply(newtbl,2,sum))*t(newtbl))
}

> newtbl
    Black   White   Asian Nat.Amer   Oth
F 375.5929 1021.463 53.71679 45.55915 13.66775
M 224.4071 1098.537 96.28321 54.44085 16.33225
```