Natsal-data-plots.R

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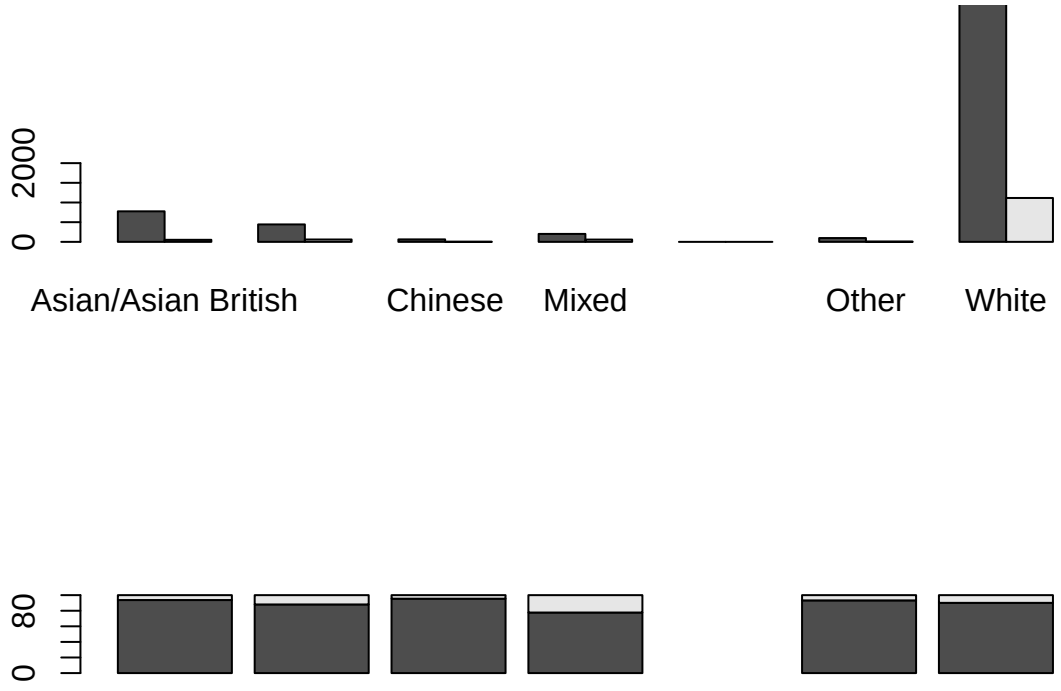
Thu May 05 16:31:07 2016

```
load("./mrp/data/cleaned-regn-input-mrpNatsal.RData")

Natsal0 <- Natsal

rsample <- sample(x=1:nrow(Natsal), prob=Natsal$total_wt, replace=TRUE)
Natsal <- Natsal[rsample,]


attach(Natsal)

# http://stats.stackexchange.com/questions/94026/how-can-i-improve-the-predictive-power-of-this-logisti

names(Natsal)
```

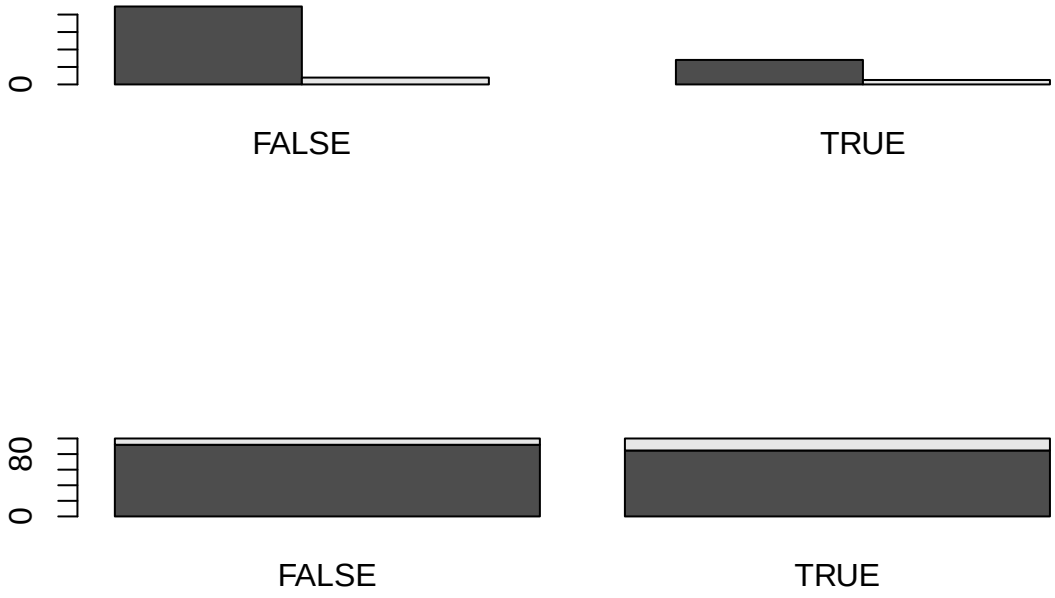
```
##   [1] "sin2"             "id"               "total_wt"
##   [4] "psu"              "strata"           "stratagrp"
##   [7] "stratagrp2"       "stratagrp3"       "rsex"
##  [10] "drink"            "drinkoft"         "manyalc2"
##  [13] "drinknum"         "smokenow"         "exsmoke"
##  [16] "bothmapa2"        "ynotboth2"        "notused"
##  [19] "fsterils"         "msterils"         "conpill"
##  [22] "condom"           "femidom"          "emcypill"
##  [25] "emcyiud"          "coil"             "mirena"
##  [28] "cap"              "injectns"         "gels"
##  [31] "rhythm"           "withdraw"         "implants"
##  [34] "otherfp"          "conpatch"         "ynotused"
##  [37] "yfsteril"         "ymsteril"         "yconpill"
##  [40] "ycondom"          "yfemidom"         "yemcypill"
##  [43] "yemcyiud"         "ycoil"            "ymirena"
##  [46] "ycap"             "yinjectn"         "ygels"
##  [49] "yrhythm"          "ywithdrw"         "yimplant"
##  [52] "yothrfp"          "yconptch"         "dblcon2"
##  [55] "usnotused"        "usfsteril"        "usmsteril"
##  [58] "usconpill"        "uscondom"         "usfemidom"
##  [61] "usemcypill"       "usemcyiud"        "uscoil"
##  [64] "usmirena"         "uscap"            "usinjectn"
##  [67] "usgels"           "usrhythm"         "uswithdrw"
##  [70] "usimplant"        "usother"          "usconptch"
##  [73] "sex4wks"          "cond4wk"          "yrcond"
##  [76] "nonocon"          "het5yrs"          "het1yr"
##  [79] "het3mnt"          "sam1yr"           "sam3mnt"
##  [82] "overlp5y"         "lbyear"           "lbyear2"
##  [85] "lbyear3"          "lbyear4"          "lbyear5"
##  [88] "lbyear6"          "lbyear7"          "lbyear8"
##  [91] "lbyear9"          "lbyear10"         "lbyear11"
##  [94] "lbyear12"         "lbyear13"         "lbyear14"
##  [97] "lbyear15"         "lbyear16"         "lbyear17"
```

```
## [100] "lbyear18"          "lbyear19"          "lbyear20"
## [103] "stdclin"           "chlamydia"         "gonorrh"
## [106] "warts"             "syphilis"          "trich"
## [109] "herpes"            "plicecrab"         "hepatitis"
## [112] "nsungu"            "epididy"           "dkstd"
## [115] "nostd"             "whnchlam"          "chtstwh1"
## [118] "chtstwy1"          "chtrtlgr"          "chlmtest"
## [121] "chltstwh"          "chltstwy"          "chlofref"
## [124] "drcan12m"          "income"            "ethnic"
## [127] "sexid"             "dage"              "rdob"
## [130] "afsex"             "afsexall"          "emergncy"
## [133] "yemergncy"         "sex4wks1"          "sex4wks2"
## [136] "hetnonew"          "totnewyr"          "nocondom"
## [139] "rnssecgp_6"        "rnssecgp_4"        "ethnicgrp"
## [142] "cttestly"          "sex.age"           "ethnic2"
## [145] "increasingdrinker" "student"           "age"
## [148] "sex"               "gor_l"             "gor"
## [151] "age.scaled"        "total_wt.int"
```

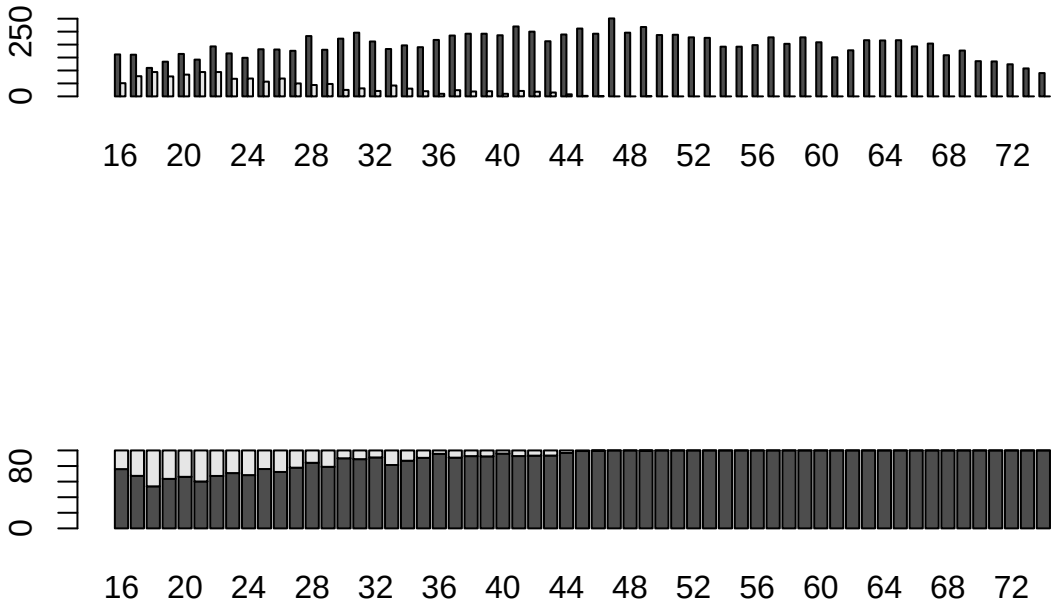
```
#x11()
par(mfrow=c(2,1))
tab <- table(cttestly, ethnicgrp)
barplot(tab, legend=levels((cttestly)), ylim=c(0,2000), beside=TRUE)
x <- barplot(prop.table(tab,2)*100, xaxt="n")#, legend=levels((cttestly)))
```



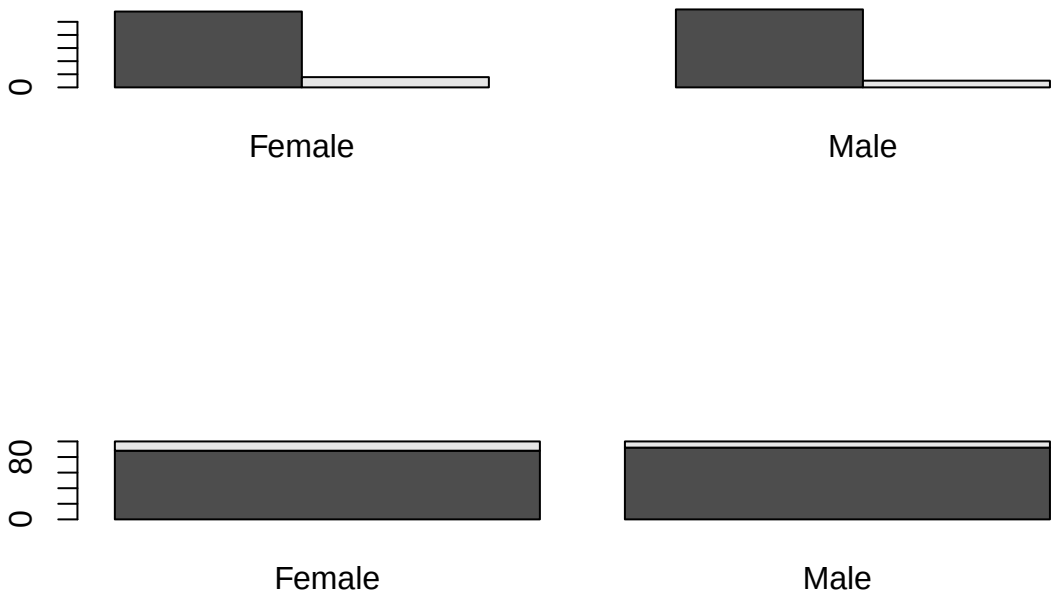
```r
# labs <- paste(colnames(tab), "")
# text(cex=1, x=x-.5, y=-50.5, labs, xpd=TRUE, srt=45)

#x11()
tab <- table(cttestly, smokenow)
barplot(tab, legend=levels((cttestly)), beside=TRUE)
barplot(prop.table(tab,2)*100)#, legend=levels((cttestly)))
```



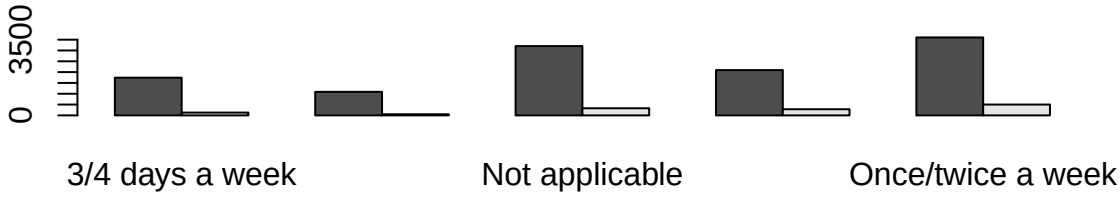

```r
#x11()
tab <- table(cttestly, dage)
barplot(tab, legend=levels((cttestly)), beside=TRUE)
barplot(prop.table(tab,2)*100)#, legend=levels((cttestly)))
```

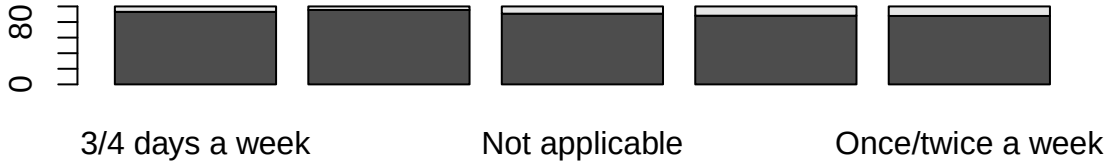



```
#x11()
tab <- table(cttestly, rsex)
barplot(tab, legend=levels((cttestly)), beside=TRUE)
barplot(prop.table(tab,2)*100)#, legend=levels((cttestly)))
```

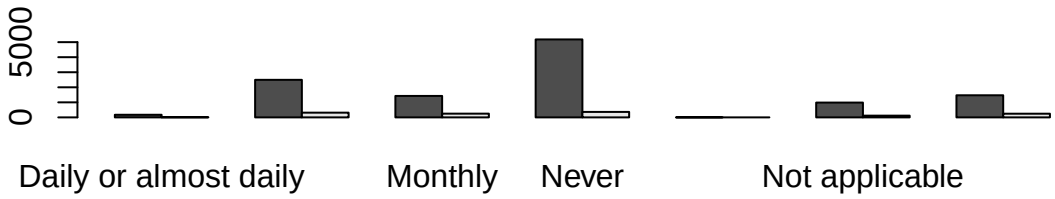


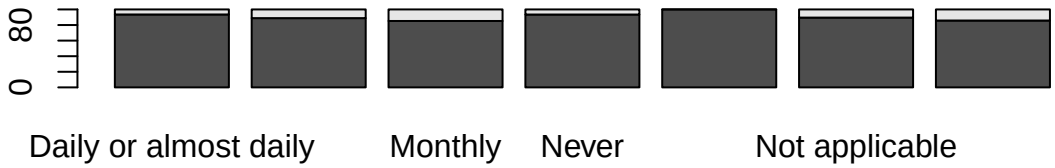

```
#x11()
tab <- table(cttestly, drinkoft)
barplot(tab, legend=levels((cttestly)), beside=TRUE)
barplot(prop.table(tab,2)*100)#, legend=levels((cttestly)))
```



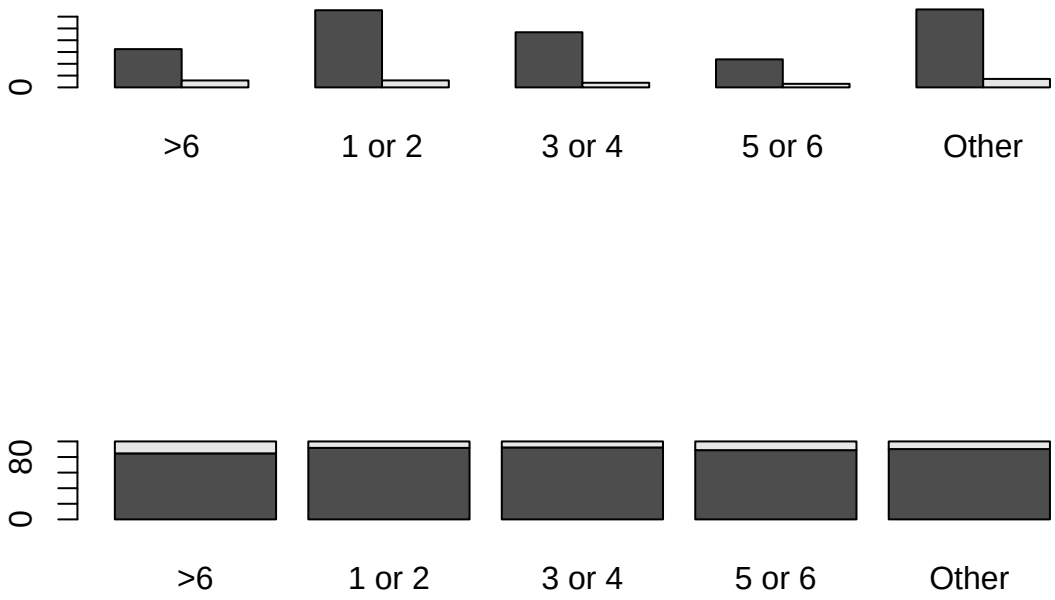



```r
#x11()
tab <- table(cttestly, drinknum)
barplot(tab, legend=levels((cttestly)), beside=TRUE)
barplot(prop.table(tab,2)*100)#, legend=levels((cttestly)))
```

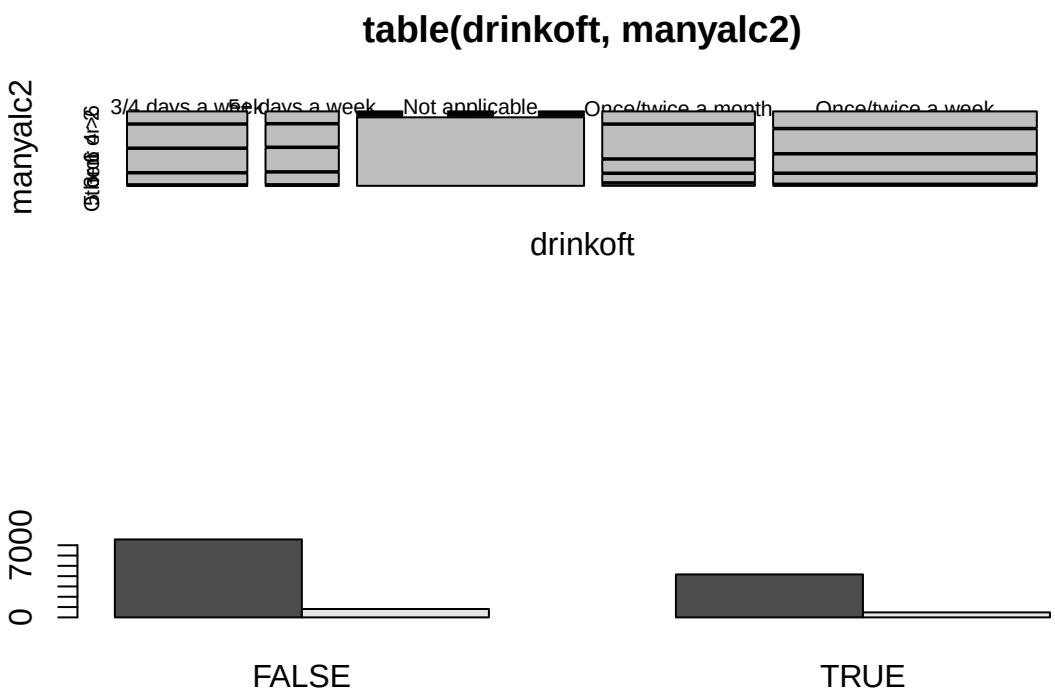




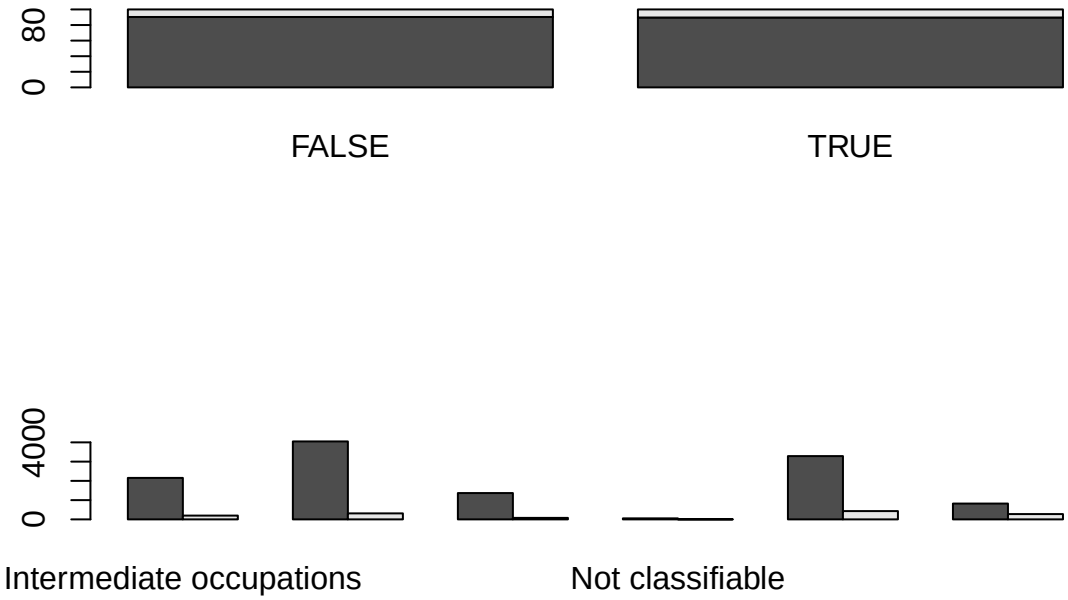

```
#x11()
tab <- table(cttestly, manyalc2)
barplot(tab, legend=levels((cttestly)), beside=TRUE)
barplot(prop.table(tab,2)*100)#, legend=levels((cttestly)))
```



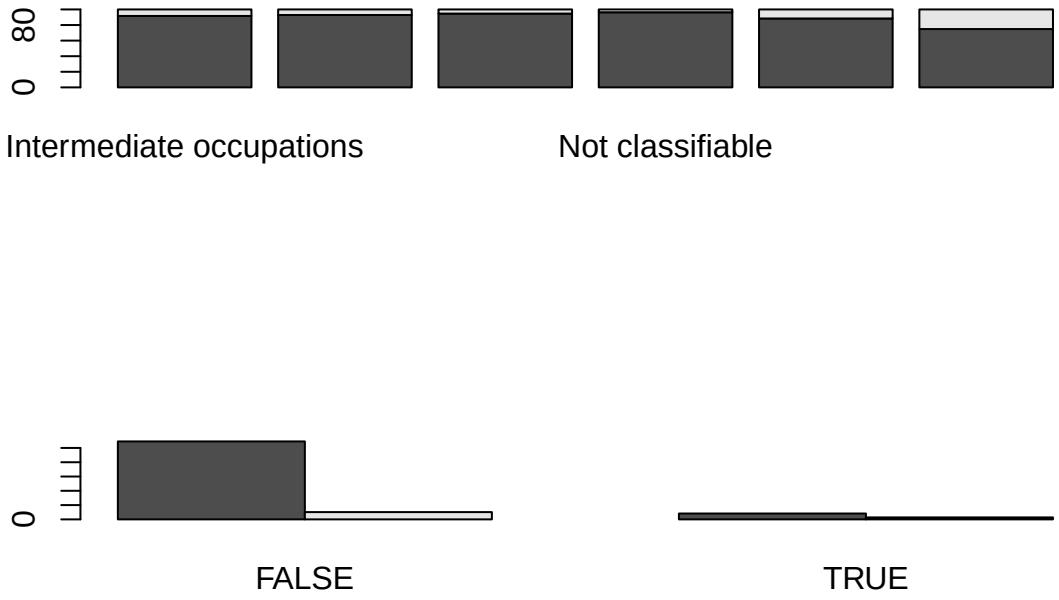

```
plot(table(drinkoft, manyalc2))

#x11()
tab <- table(cttestly, increasingdrinker)
barplot(tab, legend=levels((cttestly)), beside=TRUE)
```



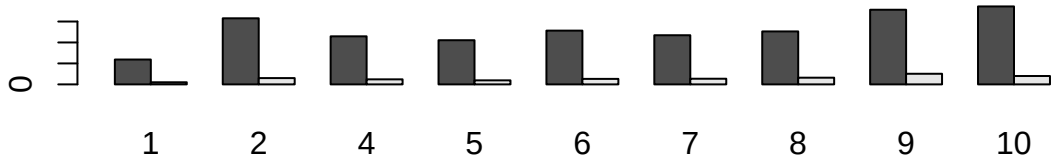

```
barplot(prop.table(tab,2)*100)#, legend=levels((cttestly)))

#x11()
tab <- table(cttestly, rnssecgp_4)
barplot(tab, legend=levels((cttestly)), beside=TRUE)
```



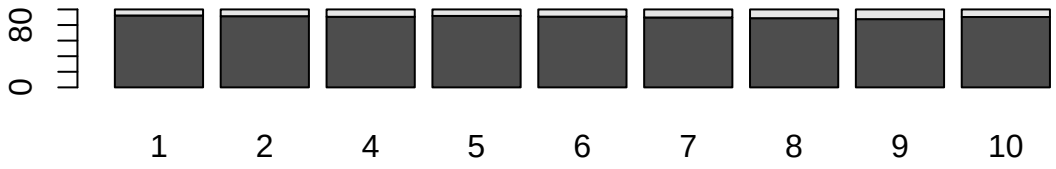

```
barplot(prop.table(tab,2)*100)#, legend=levels((cttestly)))

#x11()
tab <- table(cttestly, student)
barplot(tab, legend=levels((cttestly)), beside=TRUE)
```




```
barplot(prop.table(tab,2)*100)#, legend=levels((cttestly)))


#x11()
tab <- table(cttestly, gor)
barplot(tab, legend=levels((cttestly)), beside=TRUE)
```




```
barplot(prop.table(tab,2)*100)#, legend=levels((cttestly)))
```


0
80
1
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