HW

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## R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

affairs <- read.table("C:/Users/yiming/Desktop/affairs.txt", quote="\"", comment.char="")  
View(affairs)  
names(affairs)=c("id","male","age","yrsmarr","kids","relig","educ","occup","ratemarr","naffairs","affair","vryhap","hapavg","avgmarr","unhap","vryrel","smerel","slghtrel","notrel")  
as.data.frame(table(affairs[,2]))

## Var1 Freq  
## 1 0 315  
## 2 1 286

#since male=1, 286 men in total  
mean(affairs$educ)

## [1] 16.16639

#average year is 16.16639  
newSet <- affairs[affairs$male == 0,]  
lastYear <- newSet[newSet$naffairs > 0,]  
View(lastYear)  
nrow(lastYear)

## [1] 72

#72 women  
counts <- table(affairs$relig)  
barplot(counts, horiz = TRUE, xlim = c(0, 250), names.arg = c("1 anti", "2 not at all", "3 slightly", "4 somewhat", "5 very relig"))  
legend("topright", legend = "religion by kids")

## 