How Americans like their steak

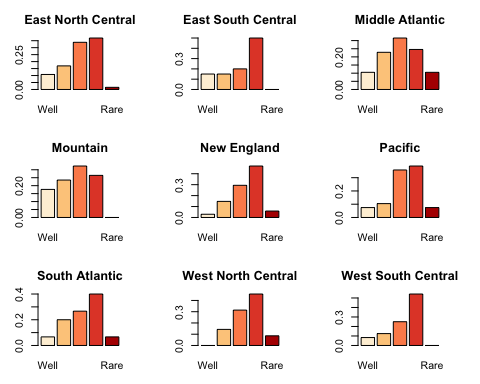
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The data used for this report came from.........

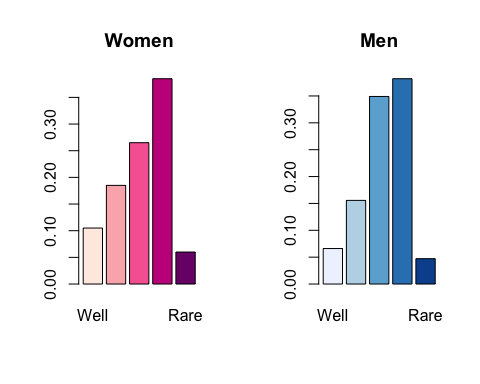
## Steak preparation preference by region

steak\_reg=prop.table(table(steak\_survey$region,steak\_survey$steak\_prep),1)  
steak\_reg=steak\_reg[,order=c(5,4,3,2,1)]  
par(mfrow=c(3,3),mar=c(3,3,3,3))  
cols=brewer.pal(5,"OrRd")  
for (i in seq(9)) {barplot(steak\_reg[i,],main=dimnames(steak\_reg)[[1]][i],col=cols)}



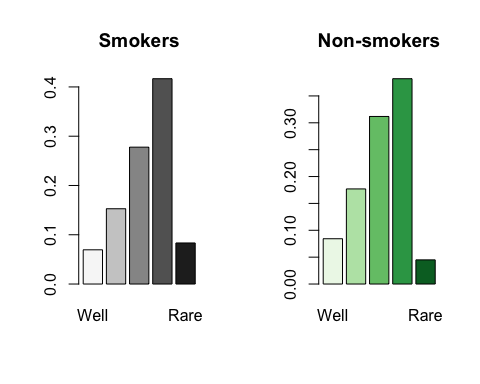
## By gender

steak\_gen=prop.table(table(steak\_survey$female,steak\_survey$steak\_prep),1)  
steak\_gen=steak\_gen[,order=c(5,4,3,2,1)]  
par(mfrow=c(1,2))  
barplot(steak\_gen[2,],col=brewer.pal(5,"RdPu"),main="Women")  
barplot(steak\_gen[1,],col=brewer.pal(5,"Blues"),main="Men")



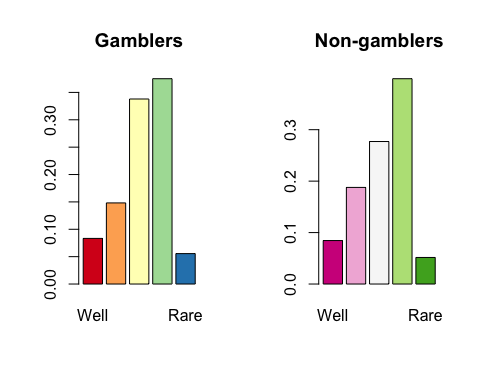
## Smokers vs. non-smokers

steak\_smoke=prop.table(table(steak\_survey$smoke,steak\_survey$steak\_prep),1)  
steak\_smoke=steak\_smoke[,order=c(5,4,3,2,1)]  
par(mfrow=c(1,2))  
barplot(steak\_smoke[2,],col=brewer.pal(5,"Greys"),main="Smokers")  
barplot(steak\_smoke[1,],col=brewer.pal(5,"Greens"),main="Non-smokers")



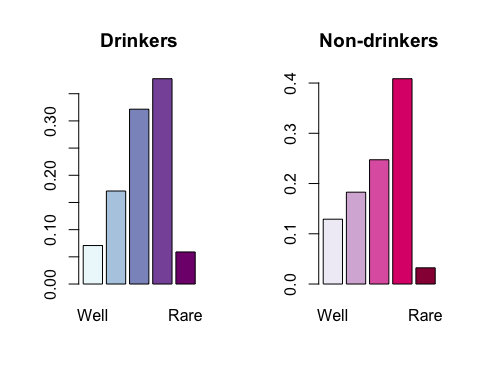
## Gamblers vs. non-gamblers

steak\_gamble=prop.table(table(steak\_survey$gamble,steak\_survey$steak\_prep),1)  
steak\_gamble=steak\_gamble[,order=c(5,4,3,2,1)]  
par(mfrow=c(1,2))  
barplot(steak\_gamble[2,],col=brewer.pal(5,"Spectral"),main="Gamblers")  
barplot(steak\_gamble[1,],col=brewer.pal(5,"PiYG"),main="Non-gamblers")



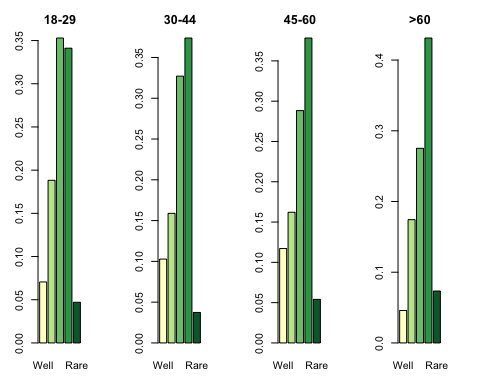
## Drinkers vs. non-drinkers

steak\_alcohol=prop.table(table(steak\_survey$alcohol,steak\_survey$steak\_prep),1)  
steak\_alcohol=steak\_alcohol[,order=c(5,4,3,2,1)]  
par(mfrow=c(1,2))  
barplot(steak\_alcohol[2,],col=brewer.pal(5,"BuPu"),main="Drinkers")  
barplot(steak\_alcohol[1,],col=brewer.pal(5,"PuRd"),main="Non-drinkers")



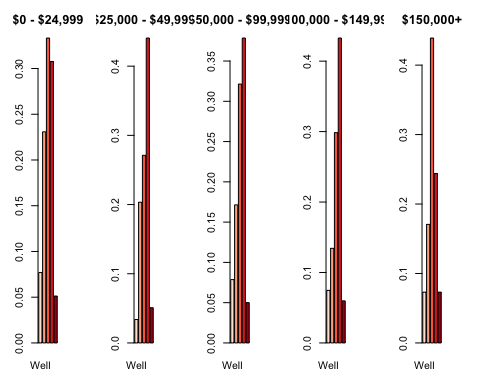
## By age

steak\_age=prop.table(table(steak\_survey$age,steak\_survey$steak\_prep),1)  
steak\_age=steak\_age[,order=c(5,4,3,2,1)]  
par(mfrow=c(1,4),mar=c(3,3,3,3))  
cols=brewer.pal(5,"YlGn")  
for (i in seq(4)) {barplot(steak\_age[i,],main=dimnames(steak\_age)[[1]][i],col=cols)}



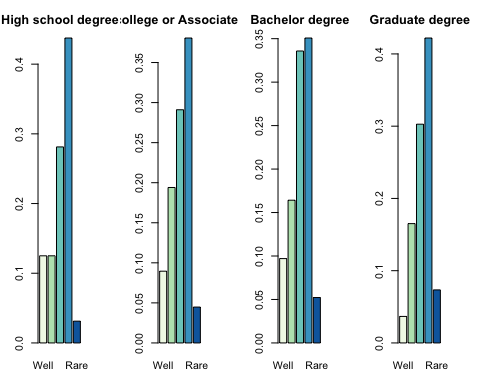
## By household income group

steak\_hhold\_income=prop.table(table(steak\_survey$hhold\_income,steak\_survey$steak\_prep),1)  
steak\_hhold\_income=steak\_hhold\_income[,order=c(5,4,3,2,1)]  
par(mfrow=c(1,5),mar=c(3,3,3,3))  
cols=brewer.pal(5,"Reds")  
for (i in seq(5)) {barplot(steak\_hhold\_income[i,],main=dimnames(steak\_hhold\_income)[[1]][i],col=cols)}



## By level of education

steak\_educ=prop.table(table(steak\_survey$educ,steak\_survey$steak\_prep),1)  
steak\_educ=steak\_educ[,order=c(5,4,3,2,1)]  
par(mfrow=c(1,4),mar=c(3,3,3,3))  
cols=brewer.pal(5,"GnBu")  
#drop less than High school level - only one respondent  
for (i in seq(2,5)) {barplot(steak\_educ[i,],main=dimnames(steak\_educ)[[1]][i],col=cols)}



## By awesomeness

For this visualization, we create a new variable to distinguish people who enjoy smoking, gambling and drinking, from those who do not like fun. All respondents who do not fit into these categories are disregarded.

steak\_survey$champs=with(steak\_survey,  
 ifelse(gamble==T & smoke==T & alcohol==T,T,NA))  
steak\_survey$champs[steak\_survey$gamble==F &   
 steak\_survey$smoke==F & steak\_survey$alcohol==F] = F  
steak\_champs=prop.table(table(steak\_survey$champs,steak\_survey$steak\_prep),1)  
steak\_champs=steak\_champs[,order=c(5,4,3,2,1)]  
par(mfrow=c(1,2))  
barplot(steak\_champs[2,],col=brewer.pal(5,"YlOrBr"),main="Champs")  
barplot(steak\_champs[1,],col=brewer.pal(5,"Purples"),main="Non-champs")

