```
apply(month_indicators, 2, sum)
which.max(apply(month_indicators, 2, sum))

table(safi$village)

tapply(safi$months_lack_food_count, safi$village, mean)

t.test(safi$months_lack_food_count[safi$village == "Chirodzo"],
       safi$months_lack_food_count[safi$village == "Ruaca"])

barplot(table(safi$no_membrs))
hist(safi$no_membrs, breaks=1:20-.5, col="gray",
     main="Family Size", xlab="Number of Members",
     ylab="Number of Families")

boxplot(no_membrs~village, data=safi)

plot(y=safi$months_lack_food_count, x=safi$no_membrs)
plot(y=jitter(safi$months_lack_food_count), x=jitter(safi$no_membrs),
     col=rgb(.1, 0, 1, alpha=.3), pch=16)
```

```
library(lubridate)
library(qdapTools)

safi <- read.csv("data/SAFI_clean.csv",
                 na = c("", "NULL", "NA"),
                 stringsAsFactors = FALSE)

safi$village <- factor(safi$village)
safi$respondent_wall_type <- factor(trimws(safi$respondent_wall_type))
safi$affect_conflicts <- factor(safi$affect_conflicts, ordered=TRUE,
                                levels=c("never","once","more_once","frequently"))
safi$interview_date <- ymd_hms(safi$interview_date)
safi$memb_assoc <- ifelse(is.na(safi$memb_assoc), NA,
                          ifelse(safi$memb_assoc == "yes", TRUE, FALSE))

month_indicators <- mtabulate(strsplit(safi$months_lack_food, ";"))
month_indicators <- month_indicators[,-10]
names(month_indicators) <- substr(names(month_indicators), 0, 3)
month_indicators <- month_indicators[,month.abb]
safi <- cbind(safi, month_indicators)

safi$months_lack_food_count <- apply(month_indicators, 1, sum)
```