

tapply

```
aggregate(safi$rooms,  
          list(safi$village, safi$respondent_wall_type),  
          mean, na.rm=TRUE)
```

```
tapply(safi$rooms,  
       list(safi$village, safi$respondent_wall_type),  
       mean, na.rm=TRUE)
```

	burntbricks	cement	muddaub	sunbricks
Chirodzo	2.590909	NA	1.187500	1.000000
God	1.684211	NA	1.266667	1.666667
Ruaca	2.000000	3	1.333333	1.428571

```
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)
```