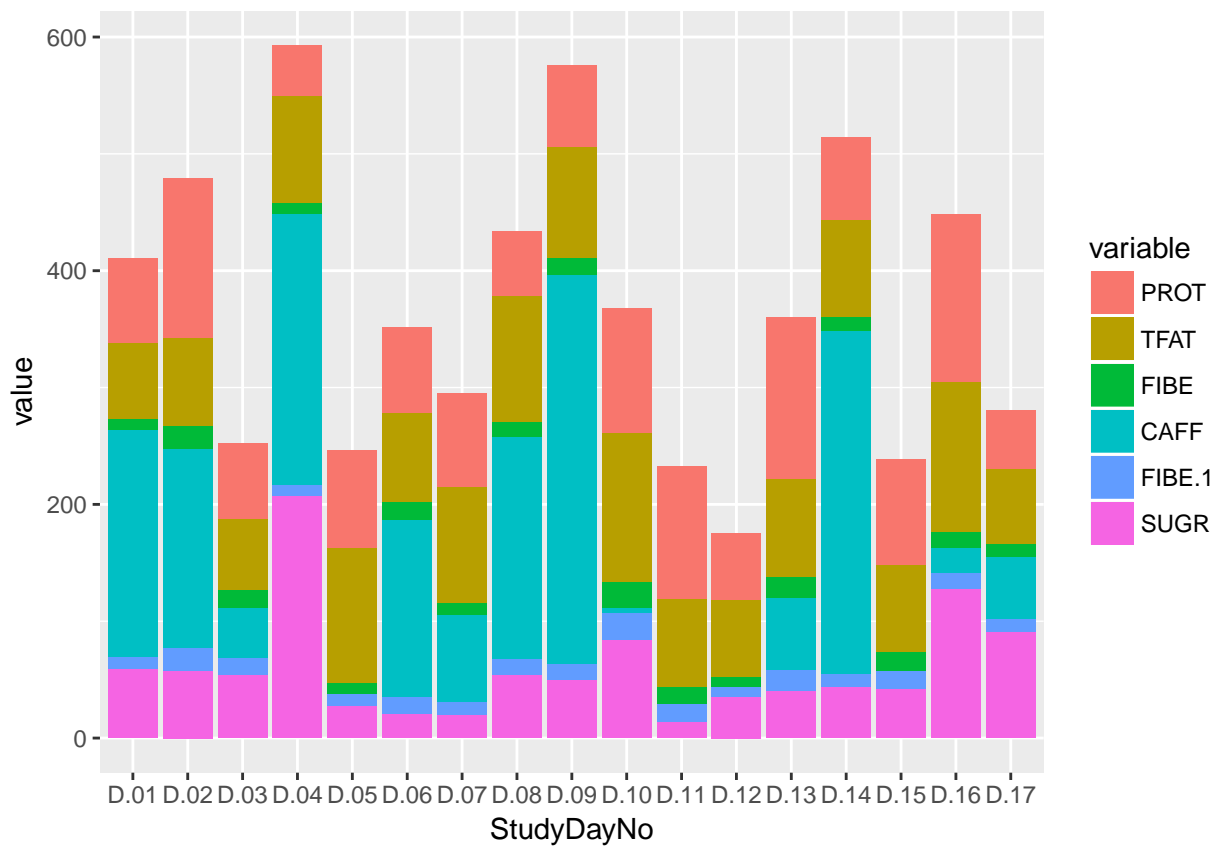


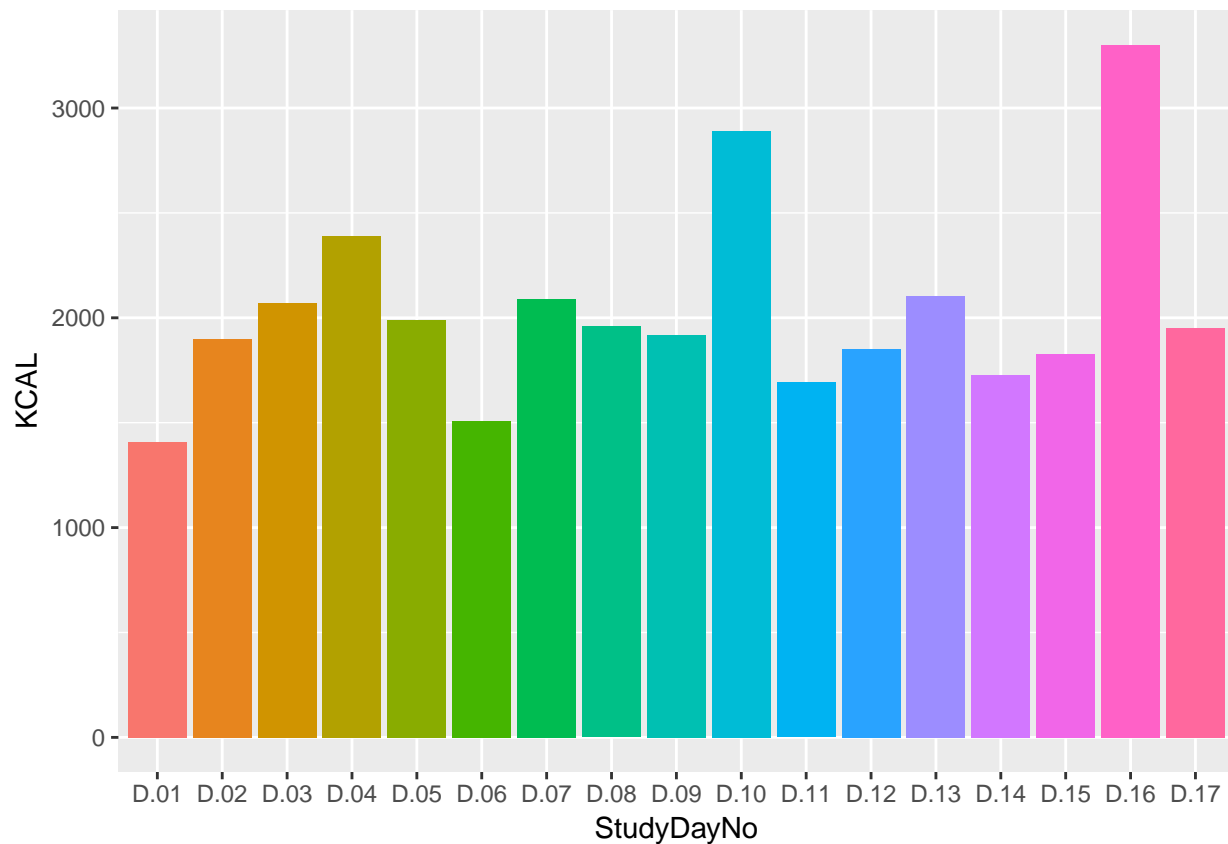
Subject_42

Type	Your Average	Total Average
CALORIES	2034.06	2080.11
PROTEIN	85.22	88.57
TOTAL FAT	87.66	89.97
CARBS	195.69	225.55
FIBER	13.72	21.96

MicroNutrients



Daily Calorie Intake



Microbiome Daily Relative Abundance

make ggplot bar chart of top 10 most abundant species per day

```
ggplot(mergedf2, aes(x = StudyDayNo, y = value, fill = rn)) +  
  geom_bar(stat = "identity") +  
  scale_x_discrete(drop = FALSE) +  
  theme_classic() +  
  theme(strip.text.y = element_text(angle = 0, size = 8, face = "italic"),  
        axis.text.x = element_text(angle = 45, hjust = 1),  
        axis.title.x = element_blank(),  
        plot.title = element_text(hjust = 0.5),  
        strip.background = element_rect(color = "grey")) +  
  guides(fill = guide_legend(reverse = TRUE,  
                             keywidth = 1,  
                             keyheight = 1,  
                             ncol = 1)) +  
  ylab("Relative Abundance\n") +  
  ggtitle("Main species within your gut per day")
```



```

for(i in names(subtaxa)){ dates <- names(subtaxa) #timestamp for each observed sample abund <-
subtaxa[,dates[i]] #abundances for selected timestamps mostabund<- tail(sort(abund),10) #vector of 10
most abundant species (their counts, at least)
}

lst <- list()
for(i in names(subtaxa)){ lst[[i]]<- (subtaxa[,i]) }

```