

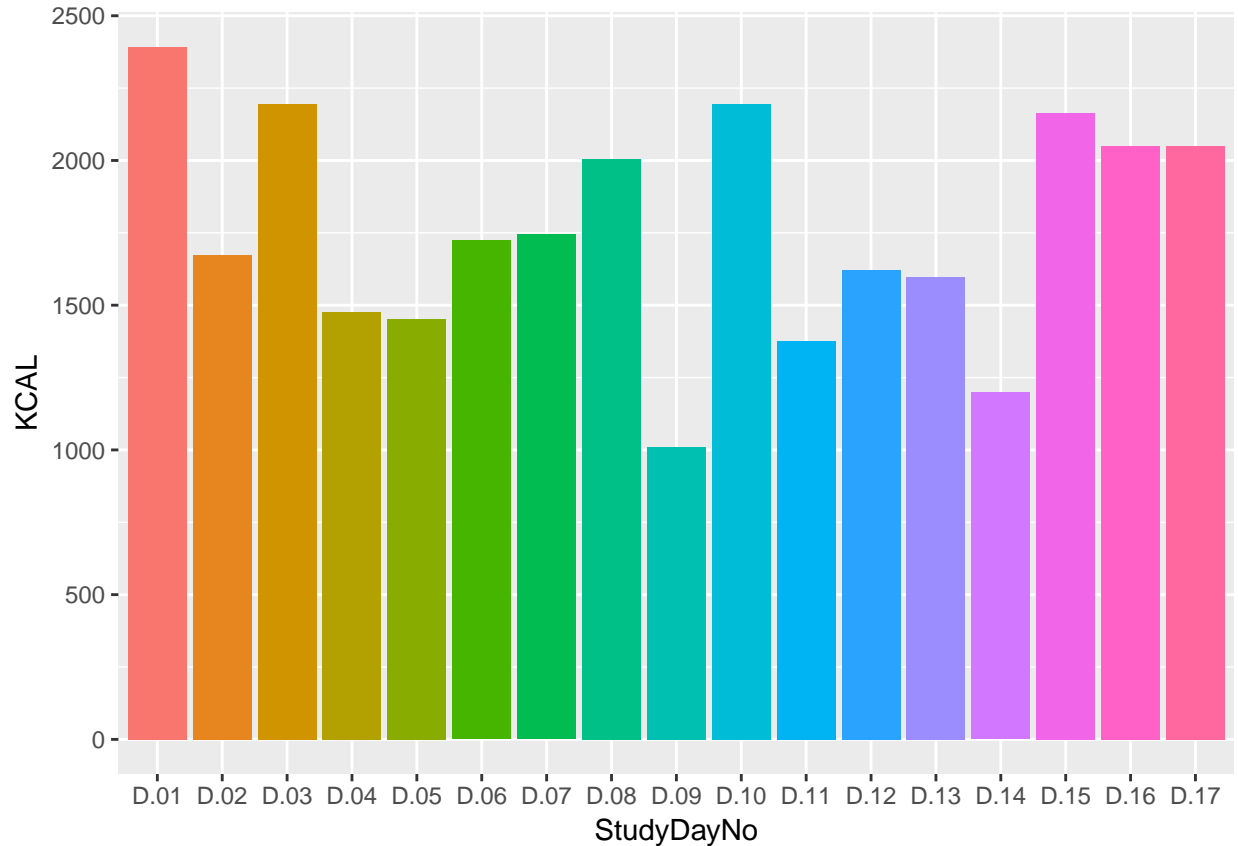
Subject_15

Type	Your Average	Total Average
CALORIES	1760.42	2080.11
PROTEIN	74.55	88.57
TOTAL FAT	63.45	89.97
CARBS	228.95	225.55
FIBER	16.4	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]) }

```