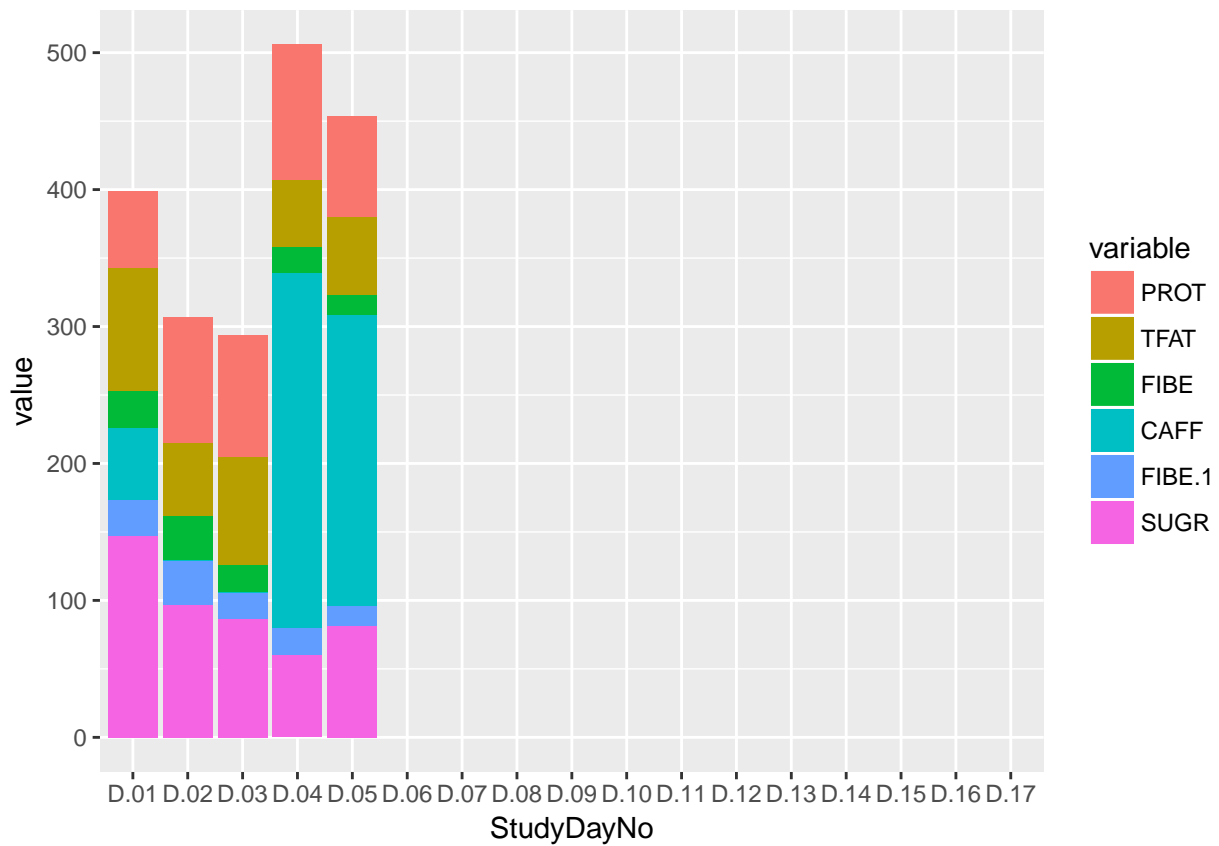


Subject_21

Type	Your Average	Total Average
CALORIES	NA	2080.11
PROTEIN	NA	88.57
TOTAL FAT	NA	89.97
CARBS	NA	225.55
FIBER	NA	21.96

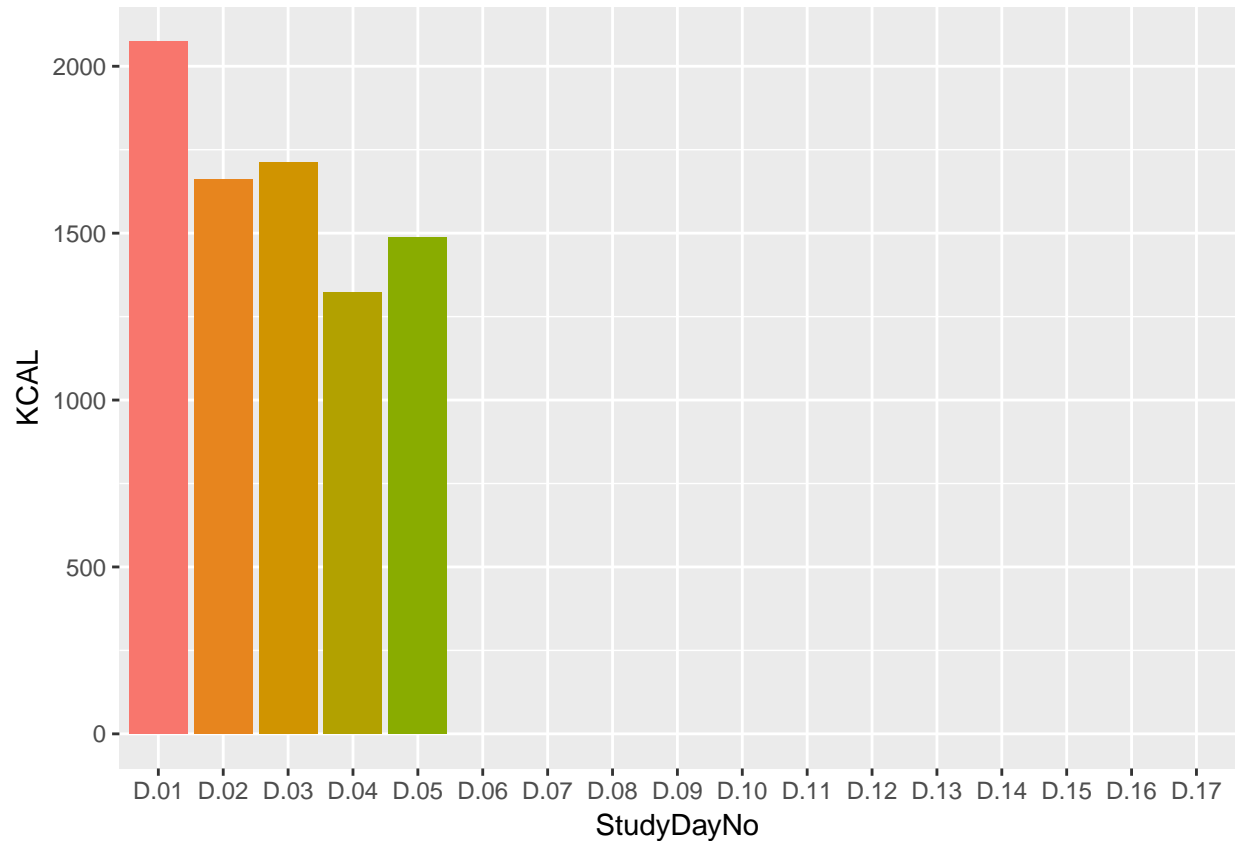
MicroNutrients

Warning: Removed 72 rows containing missing values (position_stack).



Daily Calorie Intake

Warning: Removed 12 rows containing missing values (geom_bar).



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]) }

```