Project

```
library(tidyverse)
```

```
food <- readr::read_csv("data/Food_Supply_kcal_Data.csv")
```

```
food <- food %>%
  mutate(income = ifelse(Country %in% c("Afghanistan","Burkina Faso", "Central African Republic", "Chad
                         ifelse(Country %in% c("Algeria","Angola","Bangladesh", "Belize", "Benin", "Boli
Pakistan", "Samoa", "Sao Tome and Principe", "Senegal", "Solomon Islands","Sri Lanka", "Suriname", "Taji
                         ifelse(Country %in% c("Albania","Argentina","Armenia","Azerbaijan", "Belarus",'
Panama", "Paraguay", "Peru", "Philippines", "Republic of Moldova", "Romania", "Russian Federation", "Sa
              "UMIC", "HIC"))))
```

```
food <- food %>%
  mutate(Grains = `Cereals - Excluding Beer` + `Starchy Roots`) %>%
  mutate(Vegetables2 = Pulses + `Vegetal Products` + Vegetables) %>%
  mutate(Fruits = `Fruits - Excluding Wine`) %>%
  mutate(Fats = `Animal fats` + Oilcrops + Treenuts + `Vegetable Oils`) %>%
  mutate(Protein = `Animal Products` + Eggs + `Fish, Seafood` + Meat + `Milk - Excluding Butter` + Offal
  mutate('Alcohol/Stimulants' = `Alcoholic Beverages` + Stimulants) %>%
  mutate(Other = `Aquatic Products, Other` + Miscellaneous + Spices + `Sugar Crops` + `Sugar & Sweetener
```

```
meanfood <- food %>%
  summarize(meangrains = mean(Grains), meanveg = mean(Vegetables2), meanfruit = mean(Fruits), meanfat =


food %>%
  group_by(income) %>%
  summarize(meangrains = mean(Grains), meanveg = mean(Vegetables2), meanfruit = mean(Fruits), meanfat =
  print()
```

```
## # A tibble: 4 x 7
##   income meangrains meanveg meanfruit meanfat meanprotein meanother
##   <chr>       <dbl>   <dbl>     <dbl>   <dbl>       <dbl>     <dbl>
## 1 HIC          16.9    38.1      1.94    9.40        25.0       6.04
## 2 LIC          32.0    48.7      1.94    6.23         7.75      2.76
## 3 LMIC         28.6    46.6      1.92    6.48        11.2       4.32
## 4 UMIC         21.9    42.0      2.22    6.99        19.1       6.14
```

```
#t.test()

#ggplot(food, aes(x = Grains, Vegetables, Fruits, Fats, Protein)) + geom_bar()
```

‘‘‘