

Camp

Simplify Original Dataset

```
setwd("D:/Harvard/2018WinterProject")
library(tidyverse)
library(tensorflow)

pheno <- read.csv("camp_pheno.csv") %>%
  select(POSFEV_RZ, HTCM_RZ, WTKG_RZ, BMI_RZ,
         WAIST_HIP_S3, SEX, RACE, AGE, AGEON, NCLINIC, TG, POSFEVPP_RZ)

## Analysis of NA
apply(pheno, 2, function(x){return(sum(is.na(x)))})

##      POSFEV_RZ      HTCM_RZ      WTKG_RZ      BMI_RZ WAIST_HIP_S3
##           2           10           4           14           6
##      SEX      RACE      AGE      AGEON      NCLINIC
##           0           0           0           1           0
##      TG POSFEVPP_RZ
##           0          12

## Try to delete all the NAs
posfev1 <- na.omit(pheno)
```

Try Different Deep Learning Models