1 Question 2

1.1 part A

here is the table of means

variable	Full Sample Mean
hf	1.740
lnwf	2.040
agef	3.780
eduf	5.170
whitef	0.750
blackf	0.230
hh	2.240
lnwh	2.470
ageh	4.060
eduh	5.250
whiteh	0.750
blackh	0.230
child6	0.330
child17	0.970
mu3	8.070
sexrat	0.490
div1	0.960
div2	0.220
div3	0.750
div4	0.540
divindex	2.480

Here is the code I used to make it.

```
#=========================================#
# ==== Load packages and clear data ====
#=========================================#

library(data.table)
library(haven)
library(xtable)

# clear objects and script
rm(list = ls(pos = ".GlobalEnv"), pos = ".GlobalEnv")
options(scipen = 999)
cat("\f")

#=====================#
# ==== Question 2 ====
#=====================#

cfl_dt <- data.table(read_dta("C:/Users/Nmath_000/Documents/MI_school/Second Year/621
```

```
#============#
# ==== 2 a ====
#============#

# check out the variables
all_c <- colnames(cfl_dt)

# grab a list of vars of interest
t_v <- c(paste0(c("h", "lnw", "age", "edu", "white", "black"), "f"),
paste0(c("h", "lnw", "age", "edu", "white", "black"), "h"),
"child6", "child17", "mu3", "sexrat", "div1", "div2", "div3", "div4", "divindex")


# get means and format it like paper
tab_1 <- melt.data.table(round(
  cfl_dt[,lapply(.SD,mean), .SDcols =t_v],2), value.name = "Full Sample Mean")


#====================#
# ==== save table ====
#====================#
print(xtable(tab_1, type = "latex",
             digits = 3),
      file = "C:/Users/Nmath_000/Documents/Code/courses/econ 621/assignment_4/means_t
      include.rownames = FALSE,
      floating = FALSE)
```