Volleyball Stat Help

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Files Included

F21

f21(2013-2015) are all taken from the the f21.csv document which contains the follow-up socio demographic study variables

F24

f24(2013-2015) are all taken from the f24beh.csv document instead of the f24 document.
This is because the f24 document contains data before strictly before 2013.

F26

f26(2013-2015) are all taken from the the f26.csv document which contains the follow-up Psychosocial study variables

IDS

This contains a list of all IDs that meet all criteria.

Reading the Data in

```
data <- read_csv("D:/DeskingTop/MWCCS Public Data Sets (PDS)/WIHS PDS/CSV/race.csv",
                 show_col_types = FALSE)
HIV <- read_csv("D:/DeskingTop/MWCCS Public Data Sets (PDS)/WIHS PDS/CSV/hivstat.csv",
                show_col_types = FALSE)
f21 <- read_csv("D:/DeskingTop/MWCCS Public Data Sets (PDS)/WIHS PDS/CSV/f21.csv",
                show_col_types = FALSE)
f24 <- read_csv("D:/DeskingTop/MWCCS Public Data Sets (PDS)/WIHS PDS/CSV/f24beh.csv",
                show_col_types = FALSE)
f26 <- read_csv("D:/DeskingTop/MWCCS Public Data Sets (PDS)/WIHS PDS/CSV/f26.csv",
                show_col_types = FALSE)
```

Finding Which ID's are in NC, GA, FL, and are African American.

From race.csv

```
Florida <- c("Florida","FLORIDA","fl","Fl","FL")
NC <- c("nc","NC","North Carolina","NORTH CAROLINA")
Georgia <- c("ga","GA","georgia","Georgia","GEORGIA","Georgia (GA)","Florida",
```

```
             "FLORIDA","fl","Fl","FL")
FNCG <- c("ga","GA","georgia","Georgia","GEORGIA","Georgia (GA)","Florida",
          "FLORIDA","fl","Fl","FL","nc","NC","North Carolina","NORTH CAROLINA")


dataSub =
  data %>% mutate(STATE = if_else(STEBER %in% Florida,"FLORIDA",
    if_else(STEBER %in% NC,"NORTH CAROLINA",
            if_else(STEBER %in% Georgia,"GEORGIA","NA")))) %>%
  filter(IDTEER > 2012)%>%
  filter(AFAMER == 1) %>%
  mutate(CHECK = if_else(STEBER %in% FNCG,"1","0")) %>%
  filter(CHECK == 1) %>%
  select(STATE,STEBER,everything(),CHECK)

CHECK = dataSub %>% select(CHECK,STATE,CASEID)

f21<- merge(f21,CHECK,by="CASEID")
f24<- merge(f24,CHECK,by="CASEID")
f26<- merge(f26,CHECK,by="CASEID")
HIV<- merge(HIV,CHECK,by="CASEID")
```

```
## [1] "Years Included"
```

```
## [1] "2013" "2014" "2015"
```

```
## [1] "Is Patient African American"
```

```
## [1] "1"
```

Finding which IDS are HIV Positive and merging it with IDs from previous

From hivstat.csv

```
HIV = HIV %>% filter(STATUS == 1) %>% select(CASEID,STATUS) %>% rename("HIVSTATUS" = STATUS)
IDS <- HIV$CASEID
IDS2 = HIV %>% select(CASEID)

IDS
```

```
##  [1] 1009 1051 1081 1081 1130 1159 1227 1409 1476 1508 1535 1646 1780 1834 1856
## [16] 1882 2082 2083 2144 2503 2515 2616 2761 2894 2908 3357 3863 3896 4110 4127
## [31] 4153 4287 4451 4561 4635 4692 4801 4812 5404 5514 5652 5875 6130 6197 6244
## [46] 6577 6705 6886 7056 7254 7477 7852 7875 7903 8260 8442 8477 8551 8567 8660
## [61] 8749 8802 8917 9056 9059 9156 9233 9320 9326 9376 9391 9572 9638 9788 9797
## [76] 9818 9842 9900 9978
```

Merging and creating data files

```
f212013 = f21 %>% mutate(CHECK = if_else(CASEID %in% IDS,"1","0")) %>%
  filter(CHECK ==1) %>% arrange(desc(CASEID)) %>% filter(IDTESD == 2013)
f212014 = f21 %>% mutate(CHECK = if_else(CASEID %in% IDS,"1","0")) %>%
```

```
  filter(CHECK ==1) %>% arrange(desc(CASEID)) %>% filter(IDTESD == 2014)
f212015 = f21 %>% mutate(CHECK = if_else(CASEID %in% IDS,"1","0")) %>%
  filter(CHECK ==1) %>% arrange(desc(CASEID)) %>% filter(IDTESD == 2015)
f21 = f21 %>% mutate(CHECK = if_else(CASEID %in% IDS,"1","0")) %>%
  filter(CHECK ==1) %>%
  arrange(desc(CASEID)) %>% filter(IDTESD > 2012)

f242013 = f24 %>% mutate(CHECK = if_else(CASEID %in% IDS,"1","0")) %>%
  filter(CHECK ==1) %>% arrange(desc(CASEID)) %>% filter(IDTEBH == 2013)
f242014 = f24 %>% mutate(CHECK = if_else(CASEID %in% IDS,"1","0")) %>%
  filter(CHECK ==1) %>% arrange(desc(CASEID)) %>% filter(IDTEBH == 2014)
f242015 = f24 %>% mutate(CHECK = if_else(CASEID %in% IDS,"1","0")) %>%
  filter(CHECK ==1) %>% arrange(desc(CASEID)) %>% filter(IDTEBH == 2015)
f24 = f24 %>% mutate(CHECK = if_else(CASEID %in% IDS,"1","0")) %>%
  filter(CHECK ==1) %>% arrange(desc(CASEID)) %>% filter(IDTEBH > 2012)


f262013 = f26 %>% mutate(CHECK = if_else(CASEID %in% IDS,"1","0")) %>%
  filter(CHECK ==1) %>% arrange(desc(CASEID)) %>% filter(IDTEPS == 2013)
f262014 = f26 %>% mutate(CHECK = if_else(CASEID %in% IDS,"1","0")) %>%
  filter(CHECK ==1) %>% arrange(desc(CASEID)) %>% filter(IDTEPS == 2014)
f262015 = f26 %>% mutate(CHECK = if_else(CASEID %in% IDS,"1","0")) %>%
  filter(CHECK ==1) %>% arrange(desc(CASEID)) %>% filter(IDTEPS == 2015)
f26 = f26 %>% mutate(CHECK = if_else(CASEID %in% IDS,"1","0")) %>%
  filter(CHECK ==1) %>% arrange(desc(CASEID)) %>% filter(IDTEPS > 2012)

f212013 <- merge(HIV,f212013,by="CASEID")
f212014 <- merge(HIV,f212014,by="CASEID")
f212015 <- merge(HIV,f212015,by="CASEID")


f242013 <- merge(HIV,f242013,by="CASEID")
f242014 <- merge(HIV,f242014,by="CASEID")
f242015 <- merge(HIV,f242015,by="CASEID")

f262013 <- merge(HIV,f262013,by="CASEID")
f262014 <- merge(HIV,f262014,by="CASEID")
f262015 <- merge(HIV,f262015,by="CASEID")

f21 <- merge(HIV,f21,by="CASEID")
f24 <- merge(HIV,f24,by="CASEID")
f26 <- merge(HIV,f26,by="CASEID")

write_csv(f212013,"D:/DeskingTop/f212013.csv")
write_csv(f212014,"D:/DeskingTop/f212014.csv")
write_csv(f212015,"D:/DeskingTop/f212015.csv")

write_csv(f242013,"D:/DeskingTop/f242013.csv")
write_csv(f242014,"D:/DeskingTop/f242014.csv")
write_csv(f242015,"D:/DeskingTop/f242015.csv")

write_csv(f262013,"D:/DeskingTop/f262013.csv")
write_csv(f262014,"D:/DeskingTop/f262014.csv")
```

```
write_csv(f262015,"D:/DeskingTop/f262015.csv")

write_csv(f21,"D:/DeskingTop/f21.csv")
write_csv(f24,"D:/DeskingTop/f24.csv")
write_csv(f26,"D:/DeskingTop/f26.csv")

write_csv(IDS2,"D:/DeskingTop/IDS.csv")
```