OSS_draft

Demographics

```
library(gdata)
df_ag = read.xls ("Actigraphy Data.xlsx",header=TRUE)
#head(df_ag)
df_sleeplog1 = read.xls ("Sleep Logs Data (Rested, sleep quality, latency, highness, tolerance).xlsx",he
#head(df_sleeplog1)
df_sleeplog2 = read.xls ("Sleep Logs Data (Sleep Duration).xlsx",header=TRUE)
#head(df_sleeplog2)
```

The general scope of the data:

```
library(ggplot2)
library(tidyverse)
```

```
cISI_B<-df_ag$ISI_B
cgender<-as.factor(df_ag$gender_m)
cage<-df_ag$Age
cdat<-data_frame(cISI_B,cgender,cage)
cdat<-cdat[complete.cases(cdat),]
cdat[,'cage']<-cut(cdat$cage,seq(20,80,length.out=10))
ggplot(cdat,aes(cage,cISI_B,fill=cgender))+geom_boxplot()+geom_point(alpha=0.3)
```