```r
#Load the raw data
rawData<-read.csv("Week 3/Raw Data/Week 3 Example Data.csv")

#Create a copy of the raw data
data<-rawData
```

```r
#Rename TIPI columns
colnames(data)[6:15]<-paste0("tipi",
                             rep(c("E","A","C","N","O"),2),
                             1:10)

#Append an R to reverse coded items
colnames(data)[c(7,11,13:15)]<-paste(colnames(data)[c(7,11,13:15)],"R")



###Restructure variables###

#Split the condition variable into two columns
conditionSplit<-str_split_fixed(data$condition,"_",2)

#Rename the newly conditioned variables
colnames(conditionSplit)<-c("shockCause","pMoral")

#Add the split columns back to the data
data<-cbind(data,conditionSplit)

data<-data[,-4]

#Recodes missing values as NA
data$guilt<-ifelse(data$guilt==-99,NA,data$guilt)
```

```r
#Reverse code the releveant TIPI items
data[c(6,10,12:14)]<-(-1*data[,c(6,10,12:14)])+8

#Compute composite personality scores
data$extra<-rowMeans(data[,c(5,10)])
data$agree<-rowMeans(data[,c(6,11)])
data$consc<-rowMeans(data[,c(7,12)])
data$neuro<-rowMeans(data[,c(8,13)])
data$open<-rowMeans(data[,c(9,14)])
```

```r
data<-data[,c(1:3,5:14,20:24,4,18:19,15:17)]



codebook<-data.frame("variable"=colnames(data))

codebook$description<-c(
  "Participant ID Number",
  "Participant Sex",
  "Age",
  "TIPI Extraversion 1",
  "TIPI Agreeableness 1 (R)",
```

```
  "TIPI Conscientiousness 1",
  "TIPI Neuroticism 1",
  "TIPI Openess 1",
    "TIPI Extraversion 2 (R)",
  "TIPI Agreeableness 2",
  "TIPI Conscientiousness 2 (R)",
  "TIPI Neuroticism 2 (R)",
  "TIPI Openess 2 (R)",
  "Composite Extraversion",
  "Composite Agreeableness",
  "Composite Conscientiousness",
  "Composite Neuroticism",
  "Composite Openess",
  "Shock Voltage",
  "Shock Cause (participant vs. partner)",
  "Partner Morality (good vs. bad)",
  "Amount of $ Shared with Partner (pre-shock)",
  "Amount of $ Shared with Partner (post-shock)",
  "Guilt"
)

#Save the data type for each variable
codebook$type<-sapply(data,class)

#Output the codebook as a table
kable(codebook)
```

| variable | description | type |
|---|---|---|
| PIN | Participant ID Number | integer |
| sex | Participant Sex | character |
| age | Age | integer |
| tipiE1 | TIPI Extraversion 1 | integer |
| tipiA2 R | TIPI Agreeableness 1 (R) | numeric |
| tipiC3 | TIPI Conscientiousness 1 | integer |
| tipiN4 | TIPI Neuroticism 1 | integer |
| tipiO5 | TIPI Openess 1 | integer |
| tipiE6 R | TIPI Extraversion 2 (R) | numeric |
| tipiA7 | TIPI Agreeableness 2 | integer |
| tipiC8 R | TIPI Conscientiousness 2 (R) | numeric |
| tipiN9 R | TIPI Neuroticism 2 (R) | numeric |
| tipiO10 R | TIPI Openess 2 (R) | numeric |
| extra | Composite Extraversion | numeric |
| agree | Composite Agreeableness | numeric |
| consc | Composite Conscientiousness | numeric |
| neuro | Composite Neuroticism | numeric |
| open | Composite Openess | numeric |
| shock | Shock Voltage | character |
| shockCause | Shock Cause (participant vs. partner) | character |
| pMoral | Partner Morality (good vs. bad) | character |
| preShare | Amount of $ Shared with Partner (pre-shock) | integer |
| postShare | Amount of $ Shared with Partner (post-shock) | integer |
| guilt | Guilt | integer |

```r
#Save the data
write.csv(data,"Week 3/Processed Data/Week 3 Data PROCESSED.CSV")
```