```r
# load raw data
rawData<-read.csv("week 3/raw data/Week 3 Example Data.csv")

# copy of raw data
data<-rawData
```

```r
# rename tipi columns
colnames(data)[6:15]<-paste0("tipi",
                             rep(c("E", "A", "C", "N", "O"),2),1:10)
# add R to reverse coded items
colnames(data)[c(7,11,13:15)]<-paste0(colnames(data)[c(7,11,13:15)],"R")


###Restructure Variables###

# condition variable split into two columns
conditionSplit<-str_split_fixed(data$condition, "_",2)
colnames(conditionSplit)<-c("shockCause", "pMoral")

# add split columns to data
data<-cbind(data,conditionSplit)

data<-data[,-4]
data$guilt<-ifelse(data$guilt==-99,NA,data$guilt)
```

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

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
# rearrange columns
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",
  "Participant Age",
  "TIPI Extraverion 1",
  "TIPI Agreeableness 1R",
  "TIPI Conscientiousness 1",
  "TIPI Neuroticism 1",
  "TIPI Openness 1",
  "TIPI Extraverion 2R",
  "TIPI Agreeableness 2",
  "TIPI Conscientiousness 2R",
  "TIPI Neuroticism 2R",
  "TIPI Openness 2R",
  "Composite Extraversion",
  "Composite Agreeableness",
```

```
  "Composite Conscientiousness",
  "Composite Neuroticism",
  "Composite Openness",
  "Shock Voltage",
  "Shock Cause",
  "Partner Morality, Good vs. Bad",
  "Amount of Money Shared with Partner (pre-shock)",
  "Amount of Money Shared with Partner (post-shock)",
  "Guilt"
)

codebook$type<-sapply(data,class)

# codebook table
kable(codebook)
```

Variable	description	type
PIN	Participant ID Number	integer
sex	Participant Sex	character
age	Participant Age	integer
tipiE1	TIPI Extraverion 1	integer
tipiA2R	TIPI Agreeableness 1R	numeric
tipiC3	TIPI Conscientiousness 1	integer
tipiN4	TIPI Neuroticism 1	integer
tipiO5	TIPI Openness 1	integer
tipiE6R	TIPI Extraverion 2R	numeric
tipiA7	TIPI Agreeableness 2	integer
tipiC8R	TIPI Conscientiousness 2R	numeric
tipiN9R	TIPI Neuroticism 2R	numeric
tipiO10R	TIPI Openness 2R	numeric
extra	Composite Extraversion	numeric
agree	Composite Agreeableness	numeric
consc	Composite Conscientiousness	numeric
neuro	Composite Neuroticism	numeric
open	Composite Openness	numeric
shock	Shock Voltage	character
shockCause	Shock Cause	character
pMoral	Partner Morality, Good vs. Bad	character
preShare	Amount of Money Shared with Partner (pre-shock)	integer
postShare	Amount of Money Shared with Partner (post-shock)	integer
guilt	Guilt	integer

```
write.csv(data, "week 3/processed data/week 3 processed data.csv")
```