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

```
## function (...)  .Primitive("c")
```

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

```r
colnames(data)[6:15]<-paste0("tipi",
                             rep(c("E","A","C","N","O"),2),
                             1:10)
colnames(data)[c(7,11,13:15)]<-paste0(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 created condition variables
colnames(ConditionSplit)<-c("shockCause", "pMoral")

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

data<-data[,-4]

#Recode missing values as NA
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

#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
#Rearrange
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 Openness 1",
  "TIPI Extraversion 2 (R)",
  "TIPI Agreeableness 2",
  "TIPI Conscioustiousness 2 (R)",
  "TIPI Neuroticism 2 (R)",
  "TIPI Openness 2 (R)",
  "Composite Extraversion",
  "Composite Agreeableness",
  "Composite Conscioustiousness",
  "Composite Neuroticism",
  "Composite Openness",
  "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 reported by participant"
)

#save the types of variables
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
tipiA2R	TIPI Agreeableness 1 (R)	numeric
tipiC3	TIPI Conscientiousness 1	integer
tipiN4	TIPI Neuroticism 1	integer
tipiO5	TIPI Openness 1	integer
tipiE6R	TIPI Extraversion 2 (R)	numeric
tipiA7	TIPI Agreeableness 2	integer
tipiC8R	TIPI Conscioustiousness 2 (R)	numeric
tipiN9R	TIPI Neuroticism 2 (R)	numeric
tipiO10R	TIPI Openness 2 (R)	numeric
extra	Composite Extraversion	numeric
agree	Composite Agreeableness	numeric
consc	Composite Conscioustiousness	numeric
neuro	Composite Neuroticism	numeric
open	Composite Openness	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 reported by participant	integer

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