```r
#This code is meant to log the raw data
#Meaning it will say look at Week 3, then look at Raw Data, and then look at this csv data

rawDATA <- read.csv("Week 3/Raw Data/Week 3 Example Data.csv")

#This is making a copy of the data. So if we mess up we can still have the original source
copyData <- rawDATA
```

After the data has been load, the next thing to do is rename the column names to things that make sense

Renaming should be the FIRST step

```r
#in the colmuns in copy data, find me columns 6 through 15.
#paste0 function. Will automate things, by giving a list of things and pasting them together

colnames(copyData)[6:15] <- paste0("tipi",
                                   rep(c("E","A","C","A","O"),2), 1:10)
#wWhat was done was that we have made questions 1-16, be given a E/A/C/A/O
#Problem is that some questions are not reverse coded
#get me the columns of ll, 13,15. Now we need to add r to the end

colnames(copyData)[c(7,11,13:15)]<- paste0(colnames(copyData)[c(7,11,13:15)], "R")
```

To tidy we will need package stringr.

```r
#str_split_fixed function will split function into pieces

condition2Col<- str_split_fixed(copyData$condition,"_",2)
#Hey R i want you too split variables. I specifically want you to go to copyData and go to the conditio

#Rename the newly created condition variables
colnames(condition2Col) <- c("Who did it?", "pMoral")

copyData <- cbind (copyData,condition2Col)


#It says give me everything except for column 4
copyData <- copyData[,-4]

copyData$guilt <-ifelse(copyData$guilt==99, NA, copyData$guilt)
```

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

copyData$extra <- rowMeans(copyData[,c(5,10)])

copyData$agree<- rowMeans(copyData[,c(6,11)])

copyData$consc <- rowMeans(copyData[,c(7,12)])

copyData$neuro <- rowMeans(copyData[,c(8,13)])

copyData$open <- rowMeans(copyData[,c(9,14)])
```

```
#Lets rearragee the dataFrame
```

```
#In the code book we will rearrange
newData <- copyData [,c(1:3,5:14,20:24,4,18:19,15:17)]

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

codebook$descroption <- c(
  "Participant ID Number",
  "Particiapnt Sex",
  "Participant Age",
  "Tipi Extraversion 1",
  "Tipi Agreeableness 1 (R)",
  "Tipi Concsciencious 1",
  "Tipi Neurotricism 1",
  "Tipi Openness 1",
  "Tipi Extraversion 2 (R)",
  "Tipi Agreeableness",
  "Tipi Concsciencious 2 (R)",
  "Tipi Neurotricism 2 (R)",
  "Tipi Openness 2 (R)",
  "Composite Extraversion",
  "Composite Agreeableness",
  "Composite Concsciencious",
  "Composite Neurotricism",
  "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"
)

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

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

variable	descroption	type
PIN	Participant ID Number	integer
sex	Particiapnt Sex	character
age	Participant Age	integer
tipiE1	Tipi Extraversion 1	integer
tipiA2R	Tipi Agreeableness 1 (R)	numeric
tipiC3	Tipi Concsciencious 1	integer
tipiA4	Tipi Neurotricism 1	integer
tipiO5	Tipi Openness 1	integer
tipiE6R	Tipi Extraversion 2 (R)	numeric

variable	descroption	type
tipiA7	Tipi Agreeableness	integer
tipiC8R	Tipi Concsciencious 2 (R)	numeric
tipiA9R	Tipi Neurotricism 2 (R)	numeric
tipiO10R	Tipi Openness 2 (R)	numeric
extra	Composite Extraversion	numeric
agree	Composite Agreeableness	numeric
consc	Composite Concsciencious	numeric
neuro	Composite Neurotricism	numeric
open	Composite Openness	numeric
shock	Shock Voltage	character
Who did it?	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

```
#to save the data
write.csv(newData,"Week 3/Processed Data/Week 3 Data PROCESSED.csv")
```