#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

#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.

#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 coniditon column. Every time you see a \_, split it into 2 groups  
  
#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)

#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)