# exer1

## 2024-02-18

summary (warpbreaks) data("warpbreaks") warpbreaks

write.csv(warpbreaks,"warpbreaks.csv")

#1 str(warpbreaks) typeof(warpbreaks$breaks) typeof(warpbreaks$wool) typeof(warpbreaks$tension)

#2. There are 54 observation of 3 variables

breaks <- nrow(warpbreaks) breaks #3. warpbreaks$wool <- as.integer(warpbreaks$breaks) warpbreaks$tension <- as.integer(warpbreaks$breaks)

#4. warpbreaksDataType <- sapply(warpbreaks,function(x) is.nuemeric(x) | is.integer(x)) #Error: unexpected ',' in "warpbreaskDataType <- sapplywarpbreaks,"

  B.

file <- file("exampleFile.txt") read <- readLines(file) read

#2. com <- read[grepl("^//",read)] com

vect <- read[!grepl("^//", read)] vect

#3.

subsetCom <-com[1] date <- gsub("//Survey data. Created:"," ", subsetCom) date

cat ("It was Created,",date)

#4a.

vec_Split <- (strsplit(vect,";")) vec_Split

#4b.

max_vec <-max(length(vec_Split)) max_vec

appendRow <- lapply(vec_Split, function(x) c(x,rep(NA, max_vec - length(x)))) appendRow

#4c.

unlistdata <- unlist(appendRow) unlistdata

#4d.

dat_matrix <- matrix(unlistdata, ncol=4, nrow = 3, dimnames = list(c("row1","row2","row3"))) dat_matrix