ibrary(gdata) # load gdata package

> help(read.xls) # documentation

> mydata = read.xls("v4Michelle\_10032026\_writetocsv.csv") # read from first sheet

getwd()

setwd(dir)

data = read.csv("v4Michelle\_10032026\_writetocsv.csv", header = TRUE)

##crapo typed wrong thing was meant to be "data = " not "dat = "

#why so many errors in red keep typing data

# get means for variables in data frame mydata

# excluding missing values

sapply(mydata, mean, na.rm=TRUE) #didnt work

> summary(dat)

library(Hmisc) #had to install this package

describe(mydata)

# n, nmiss, unique, mean, 5,10,25,50,75,90,95th percentiles

# 5 lowest and 5 highest scores

library(pastecs) # package didnt work - directory problem

stat.desc(mydata)

# nbr.val, nbr.null, nbr.na, min max, range, sum,

# median, mean, SE.mean, CI.mean, var, std.dev, coef.var

library(psych) #had to install this package

describe(mydata)

# item name ,item number, nvalid, mean, sd,

# median, mad, min, max, skew, kurtosis, se