“Homework4” Justin Minsk

# 2.4

a <- rep("a", 5)

hunderd <- seq(1, 100, 2)

threes <- c(rep(1, 3), rep(2, 3), rep(3, 3))

threes2 <- c(rep(1, 3), rep(2, 2), rep(3, 1))

upAndDown <- c(seq(1, 5), seq(4, 1))

# 2.13

mtcars

factor(mtcars$am, c(0, 1))

# 2.14

library(HistData)

df <- HistData::Arbuthnot

df$Females > df$Males

# 2.18

# Like python, R compares strings by ascii values. This means lower case letters

# has a lower value to upper case letters. This also means adding a letter increases

# the value. The same is for "stringed" intergers. They follow ascii values and it

# usees the ascii value and not the interger value.

# E1

Stdata<-c(10,10,15,20,35,40,40,40,45,45,50)

avg <- function(x){

mean\_stdata <- sum(x)/length(x)

return(mean\_stdata)

}

st\_d <- function(x, mean\_stdata){

st\_d\_stdata <- (sum((x-mean\_stdata)^2/(length(x)-1)))^0.5

return(st\_d\_stdata)

}

avg(Stdata)

st\_d(Stdata, avg(Stdata))