**Michael Ersevim – DSC640**

**R – Code and graphic output**

'Michael Ersevim - DSC640'

'Week 1&2 assignment'

# Set wd to find and store files

setwd("C:/Users/Kate/Documents/Bellevue DS classes/DSC640")

#Needed to install some packages first

install.packages("ggplot2")

install.packages("readxl")

install.packages("lessR") #For Donut graph

# Calling libraries

library(ggplot2)

library(readxl)

library(lessR)

# Read in data

data <- read\_excel("hotdog-contest-winners.xlsm")

print(data) #Test it worked right

#Aggregate data into new file 'b'

b <- aggregate(data$`Dogs eaten`, by=list(data$Country), FUN=mean)

# Horizontal bar plot, then vertical

barplot (b$x, main = 'Avg hotdogs eaten per country', axisnames=TRUE, xlab="Hot dogs", ylab="Country",

names = b$Group.1, horiz = TRUE)

barplot (b$x, main = 'Avg hotdogs eaten per country', axisnames=TRUE, xlab="Hot dogs", ylab="Country",

names = b$Group.1)

# Plot the pie chart with title

pie(b$x, b$Group.1, main = "Avg Hot dogs eaten by country")

# Donut chart - of Number of wins by COuntry

PieChart(Country, data = data,

main = 'Proportion of wins by country')

Chart

Description automatically generated

Chart, bar chart

Description automatically generated

Chart, pie chart

Description automatically generated

Chart

Description automatically generated