library(shiny)

library(ggplot2)

library(dplyr)

bcl <- read.csv("C:\\Users\\i340968\\Desktop\\ed-code\\R programming-elective\\Week\_7\\Shiny\_app2\\data10.csv", stringsAsFactors = FALSE)

ui <- fluidPage(

titlePanel("Sugar Content across Product and Price"),

sidebarLayout(

sidebarPanel(

sliderInput("priceInput", "Price", 0, 100, c(25, 40), pre = "$"),

radioButtons("typeInput", "Product type",

choices = c("Beverages", "Cake", "Candy", "Icecream"),

selected = "Beverages"),

uiOutput("countryOutput")

),

mainPanel(

plotOutput("coolplot"),

br(), br(),

tableOutput("results")

)

)

)

server <- function(input, output) {

output$countryOutput <- renderUI({

selectInput("countryInput", "Country",

sort(unique(bcl$Country)),

selected = "CANADA")

})

filtered <- reactive({

if (is.null(input$countryInput)) {

return(NULL)

}

bcl %>%

filter(Price >= input$priceInput[1],

Price <= input$priceInput[2],

Type == input$typeInput,

Country == input$countryInput

)

})

output$coolplot <- renderPlot({

if (is.null(filtered())) {

return()

}

ggplot(filtered(), aes(Sugar\_Content)) +

geom\_histogram()

})

output$results <- renderTable({

filtered()

})

}

shinyApp(ui = ui, server = server)

OUTPUT:

