install.packages("shiny")

install.packages("dplyr")

install.packages("ggplot2")

library(shiny)

library(dplyr)

library(ggplot2)

income <- read.csv("income.csv")

ui <- fluidPage(titlePanel("Module 10 Assignment"),

sidebarLayout(sidebarPanel(selectInput(inputId = "subset\_income",

label = "subset\_income",

choices = c("<=50K", ">50K"),

selectInput(input = "set\_yaxis",

label = "set\_yaxis",

choices = c("hours\_per\_week", "capital\_loss")),

checkboxGroupInput(inputId = "subset\_occupation",

label = "Include\_Occupations",

choices = unique(income$occupation),

selected = unique(income$occupation)),

mainPanel(plotOutput(outputId = "myfigure"))

)))

server <- function(input, output) {

create\_subset <- reactive(income %>%

filter(capital\_loss > 0 &

income == input$subset\_income &

occupation %>% input$subset\_occupation))

output$myfigure <- renderPlot(ggplot(create\_subset()) +

geom\_boxplot(aes\_string(x = "occupation", y = input$set\_yaxis)) +

theme\_bw(18) +

theme(axis.text.x = element\_text(angle = 90, hjust = 1)))

}

shinyApp(ui, server)