

Code-along & Challenge Week 8

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Screenshots

Uploading Files (by Audra)

09_upload Edited by Chua Jieh Yih Audra for NM2207

Upload a file using the right-side panel and its information can be processed in multiple methods.

Source:

<https://shiny.posit.co/getstarted/shiny-basics/lesson1/index.html>
Example 09_upload

Uploading Files

Choose CSV File

Browse... Upload complete

Header

Separator

Comma

Semicolon

Tab

Quote

None

Double Quote

Single Quote

Display

Head

All

name	number of cols	headerlines
Antarctic Skuas	5	all
Adelie Skuas	5	all
Blue Skuas	5	all
Green Skuas	5	all
Grey Skuas	5	all
White Skuas	5	all

Choose CSV File

Browse... No file selected

Header

Separator

Comma

Semicolon

Tab

Quote

None

Double Quote

Single Quote

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Figure 1: app upon launch

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species	island	bill_length_mm	bill_depth_mm	flipper_length_mm	body_mass_g	sex	year
Chinstrap	Dream	46.90	16.60	192	2700	female	2008
Adelie	Bliscoe	36.50	16.60	181	2850	female	2008
Adelie	Bliscoe	36.40	17.10	184	2850	female	2008
Adelie	Bliscoe	34.50	18.10	187	2900	female	2008
Adelie	Dream	33.10	16.10	178	2900	female	2008
Adelie	Torgersen	38.60	17.00	188	2900	female	2009

Choose CSV File

Browse... penguins.csv Upload complete

Header

Separator

Comma

Semicolon

Tab

Quote

None

Double Quote

Single Quote

Display

Head

All

Figure 2: app after file upload

Code

```
library(shiny)

# Define UI for data upload app ----
ui <- fluidPage(

  # App title ----
  titlePanel("Uploading Files (by Audra)",
    h4("09_upload Edited by Chua Jieh Yih Audra for NM2207"),

  # Sidebar layout with more info
  sidebarLayout(
    position="left",
    sidebarPanel(
      p("Upload a file using the right-side panel and its information can be processed in multiple metho",
        p("Source:"),
        a("https://shiny.posit.co/r/getstarted/shiny-basics/lesson1/index.html"),
        p("Example 09_upload")
      ),
    mainPanel(img(src = "Shiny app 09 example.png", height = 260, width = 395))
  ),

  # Sidebar layout with input and output definitions ----
  sidebarLayout(

    #Edit: put it on the right
    position = "right",

    # Sidebar panel for inputs ----
    sidebarPanel(

      # Input: Select a file ----
      fileInput("file1", "Choose CSV File",
        multiple = TRUE,
        accept = c("text/csv",
          "text/comma-separated-values,text/plain",
          ".csv")),

      # Horizontal line ----
      tags$hr(),

      # Input: Checkbox if file has header ----
      checkboxInput("header", "Header", TRUE),

      # Input: Select separator ----
      radioButtons("sep", "Separator",
        choices = c(Comma = ",",
          Semicolon = ";",
          Tab = "\t"),
        selected = ","),

      # Input: Select quotes ----
```

```

radioButtons("quote", "Quote",
             choices = c(None = "",
                         "Double Quote" = '"',
                         "Single Quote" = "'"),
             selected = "'"),

# Horizontal line ----
tags$hr(),

# Input: Select number of rows to display ----
radioButtons("disp", "Display",
             choices = c(Head = "head",
                         All = "all"),
             selected = "head")

),

# Main panel for displaying outputs ----
mainPanel(

# Output: Data file ----
tableOutput("contents")

)

)

)

# Define server logic to read selected file ----
server <- function(input, output) {

output$contents <- renderTable({

# input$file1 will be NULL initially. After the user selects
# and uploads a file, head of that data file by default,
# or all rows if selected, will be shown.

req(input$file1)

df <- read.csv(input$file1$datapath,
               header = input$header,
               sep = input$sep,
               quote = input$quote)

if(input$disp == "head") {
  return(head(df))
}
else {
  return(df)
}

})

```

```
}  
  
# Create Shiny app ----  
shinyApp(ui, server)
```

Edits

I edited the title to include my name ‘(by Audra)’ I added a header of level h4 via h5(“09_upload Edited by Chua Jieh Yih Audra for NM2207”) to add a caption for more details on my identity I moved the position of the side bar from the left to the right I added another sidebar panel on the left providing more information on how to use my app and its source, next to which i added a labelled screenshot example of how it would look upon use.