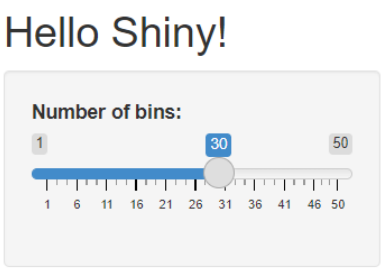
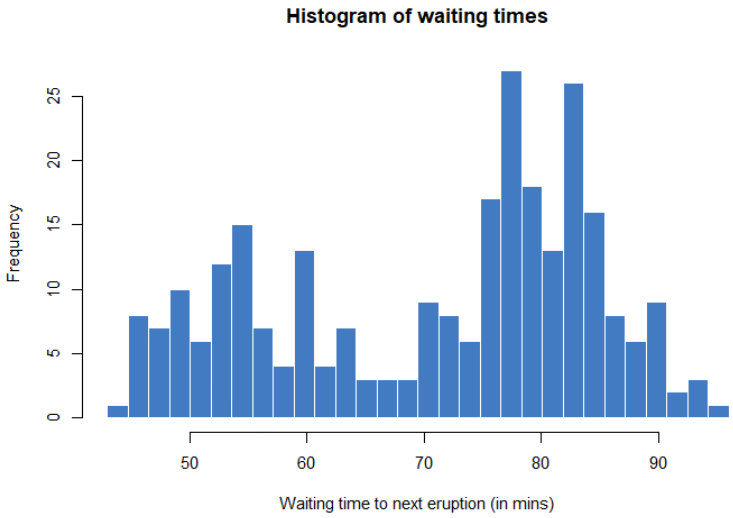
Lab 7 Assignment

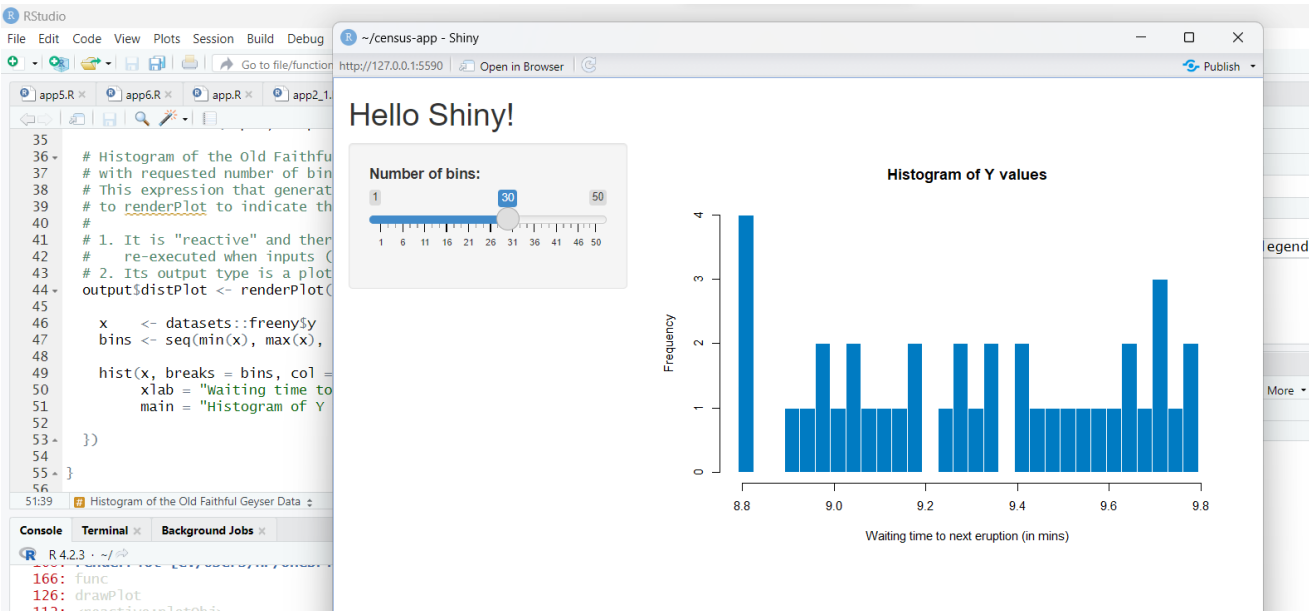
Outputs

Lesson 1

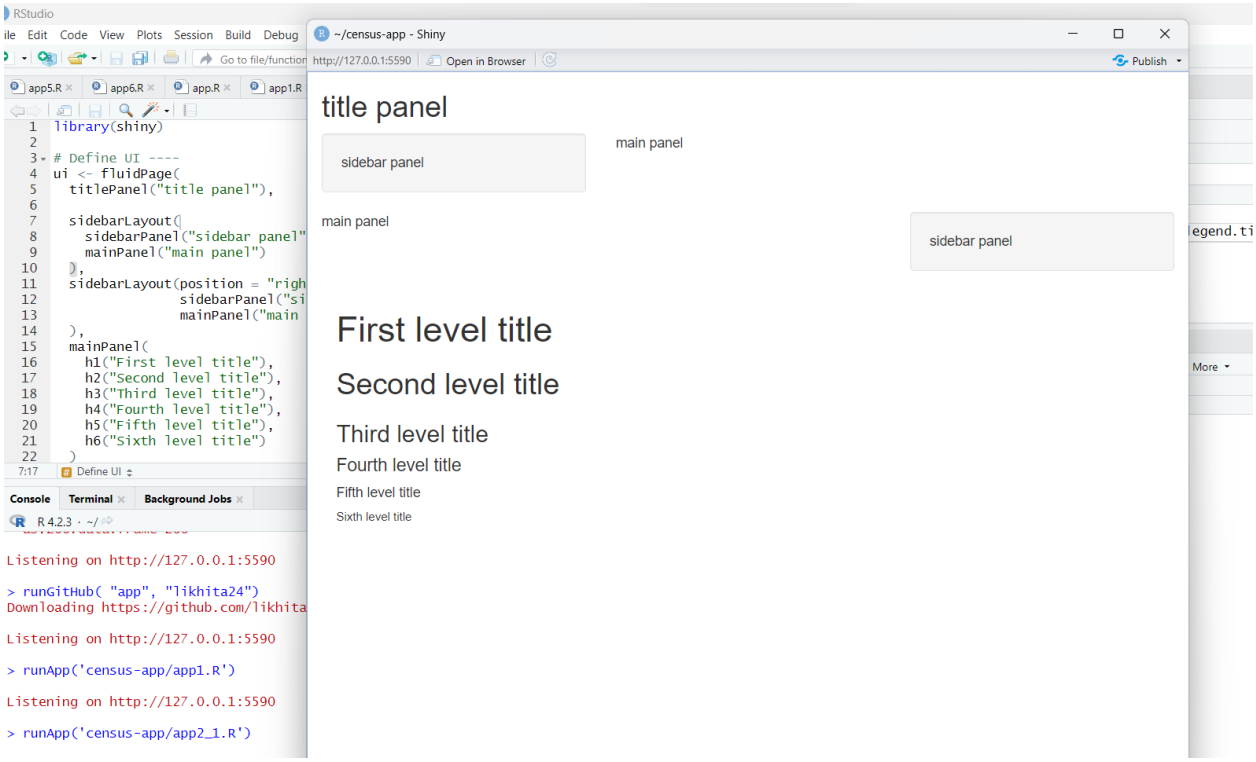


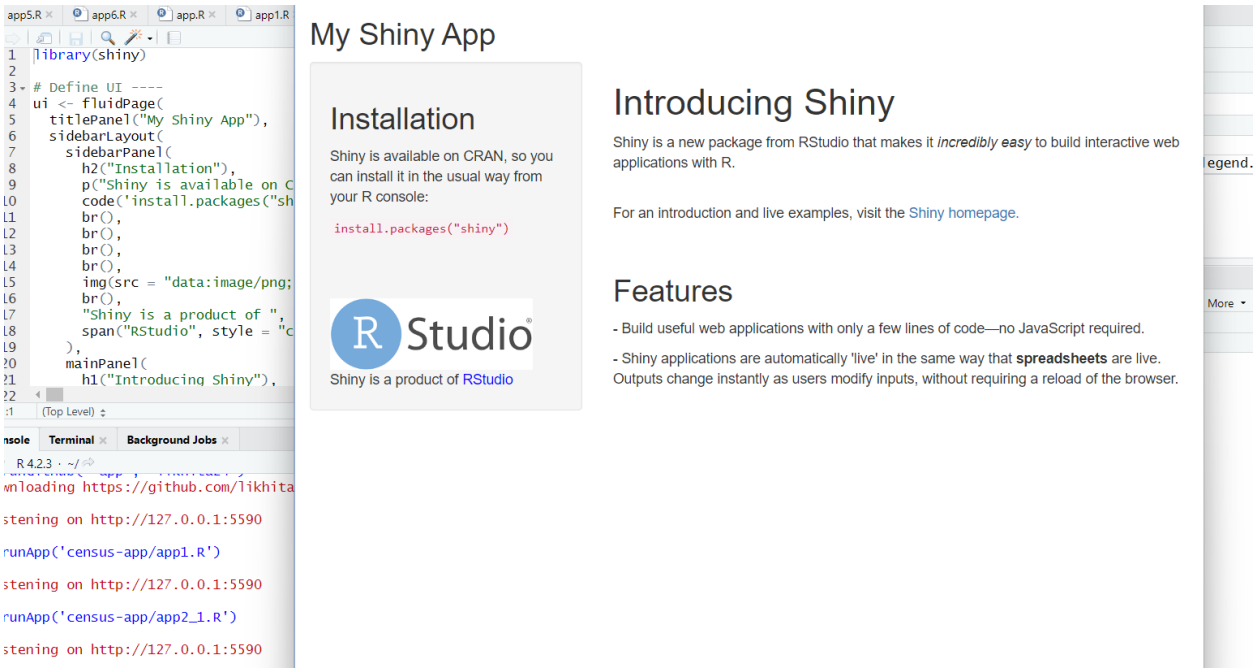


On Freeny Dataset,

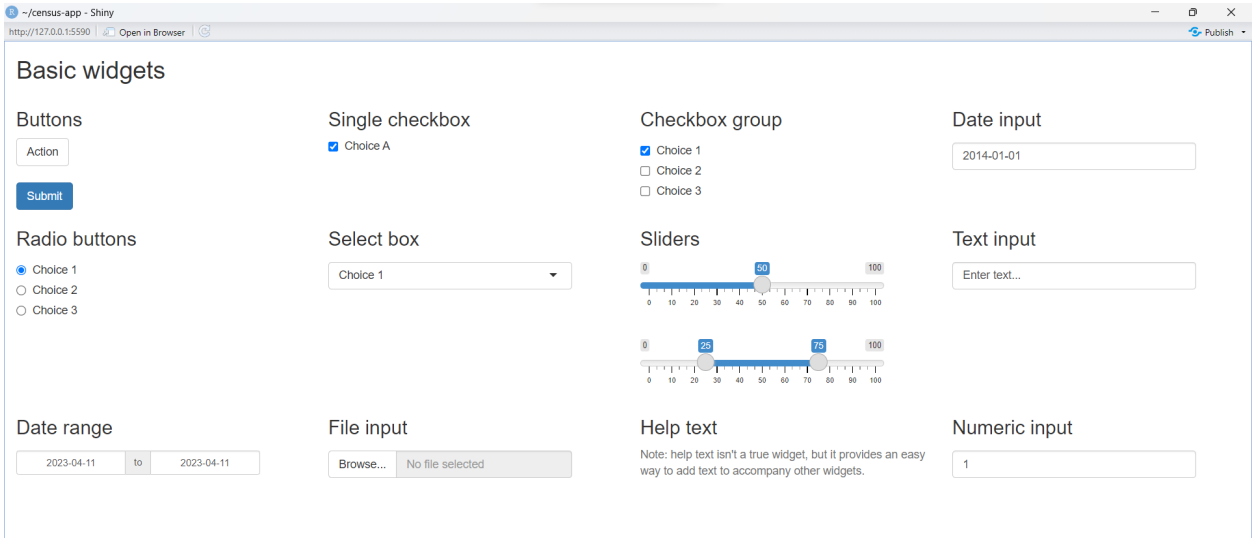


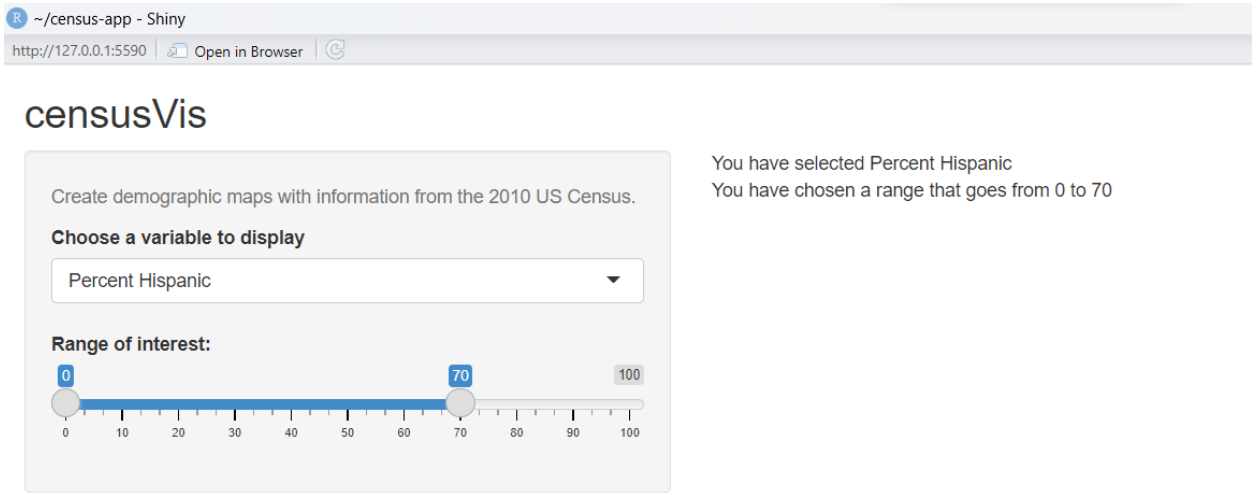
Lesson 2


RStudio
~/census-app - Shiny
http://127.0.0.1:5590
Open in Browser
Publish
app5.R
app6.R
app.R
app1.R
1 library(shiny)
2
3 # Define UI ----
4 ui <- fluidPage(
5 titlePanel("title panel"),
6
7 sidebarLayout(
8 sidebarPanel("sidebar panel"
9 mainPanel("main panel")
10),
11 sidebarLayout(position = "righ
12 sidebarPanel("si
13 mainPanel("main
14),
15 mainPanel(
16 h1("First level title"),
17 h2("Second level title"),
18 h3("Third level title"),
19 h4("Fourth level title"),
20 h5("Fifth level title"),
21 h6("Sixth level title")
22)
7:17
Define UI
Console
Terminal
Background Jobs
R 4.2.3 · ~/
Listening on http://127.0.0.1:5590
> runGitHub("app", "likhita24")
Downloading https://github.com/likhita
Listening on http://127.0.0.1:5590
> runApp('census-app/app1.R')
Listening on http://127.0.0.1:5590
> runApp('census-app/app2_1.R')
title panel
sidebar panel
main panel
main panel
sidebar panel
First level title
Second level title
Third level title
Fourth level title
Fifth level title
Sixth level title
More

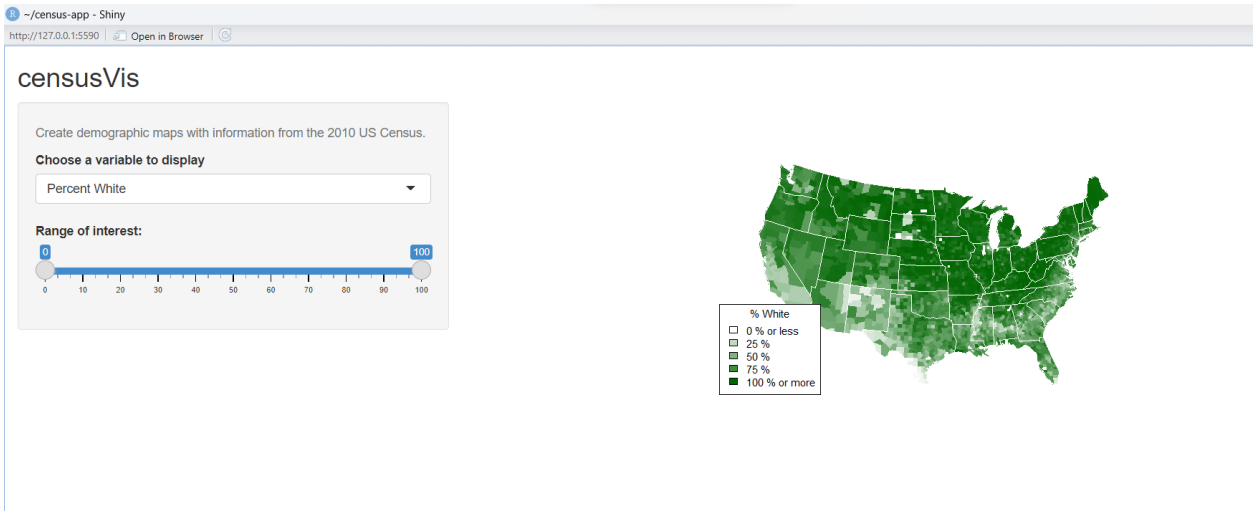

app5.R
app6.R
app.R
app1.R
1 library(shiny)
2
3 # Define UI ----
4 ui <- fluidPage(
5 titlePanel("My Shiny App"),
6 sidebarLayout(
7 sidebarPanel(
8 h2("Installation"),
9 p("Shiny is available on C
10 code('install.packages("sh
11 br(),
12 br(),
13 br(),
14 br(),
15 img(src = "data:image/png;
16 br(),
17 "Shiny is a product of ",
18 span("RStudio", style = "c
19),
20 mainPanel(
21 h1("Introducing Shiny"),
22
(Top Level)
Terminal
Background Jobs
R 4.2.3 · ~/
wnloading https://github.com/likhita
stening on http://127.0.0.1:5590
runApp('census-app/app1.R')
stening on http://127.0.0.1:5590
runApp('census-app/app2_1.R')
stening on http://127.0.0.1:5590
My Shiny App
Installation
Shiny is available on CRAN, so you can install it in the usual way from your R console:
install.packages("shiny")
RStudio
Shiny is a product of RStudio
Introducing Shiny
Shiny is a new package from RStudio that makes it incredibly easy to build interactive web applications with R.
For an introduction and live examples, visit the Shiny homepage.
Features
- Build useful web applications with only a few lines of code—no JavaScript required.
- Shiny applications are automatically 'live' in the same way that spreadsheets are live. Outputs change instantly as users modify inputs, without requiring a reload of the browser.
More

Lesson 3 & 4


~/census-app - Shiny
http://127.0.0.1:5590
Open in Browser
Publish
Basic widgets
Buttons
Action
Submit
Single checkbox
Choice A
Checkbox group
Choice 1
Choice 2
Choice 3
Date input
2014-01-01
Radio buttons
Choice 1
Choice 2
Choice 3
Select box
Choice 1
Sliders
Text input
Enter text...
Date range
2023-04-11
to
2023-04-11
File input
Browse...
No file selected
Help text
Note: help text isn't a true widget, but it provides an easy way to add text to accompany other widgets.
Numeric input
1


~/census-app - Shiny
http://127.0.0.1:5590
Open in Browser
censusVis
Create demographic maps with information from the 2010 US Census.
Choose a variable to display
Percent Hispanic
Range of interest:
0
70
100
You have selected Percent Hispanic
You have chosen a range that goes from 0 to 70

Lesson 5



Lesson 6

On plotting y - axis on log scale and adjusting prices for inflation

Lesson 7

Using runGithub(),