Data Science 101 - Class Notes

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Concept 8

Basics I: How R Shiny works

Running Your First R Shiny Application (Web Application)

Web applications are used by programmers to display information to users.

1a. Install R shiny package

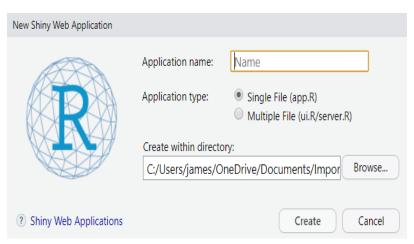
• Run install.packages('shiny')

1b. To open create an R Shiny file:

- Click the green plus sign right under the File tab in the far right
- Click on *Shiny Web App* ...

1c. Application Name & Directory

- Specify the name as 'test_1'
- Keep single file
- Click Browse to specify the directory. Use the folder for this class. Once in folder press Open.
- Click the create button



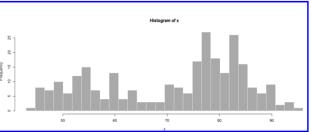
1d. Running the existing application

- Click Run App button
- Notice the Shiny pops up
- Click Open in Browser

What the user sees:



user input: ui



display: server

What the programmer codes:

library(shiny)

user input: ui

display: server

Run the application
shinyApp(ui = ui, server = server)

Brings everything together