20BDS0146

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DATA VISUALIZATION & PRESENTATION LAB

LAB SLOT: L31+L32

LAB ASSIGNMENT 2

DATE: 13-02-2023

Ex.No.5

TITLE OF EXPERIMENT: Create a Simple dashboard using Shiny

1. AIM: Creating a simple dashboard using Shiny

CODE:

ui.R

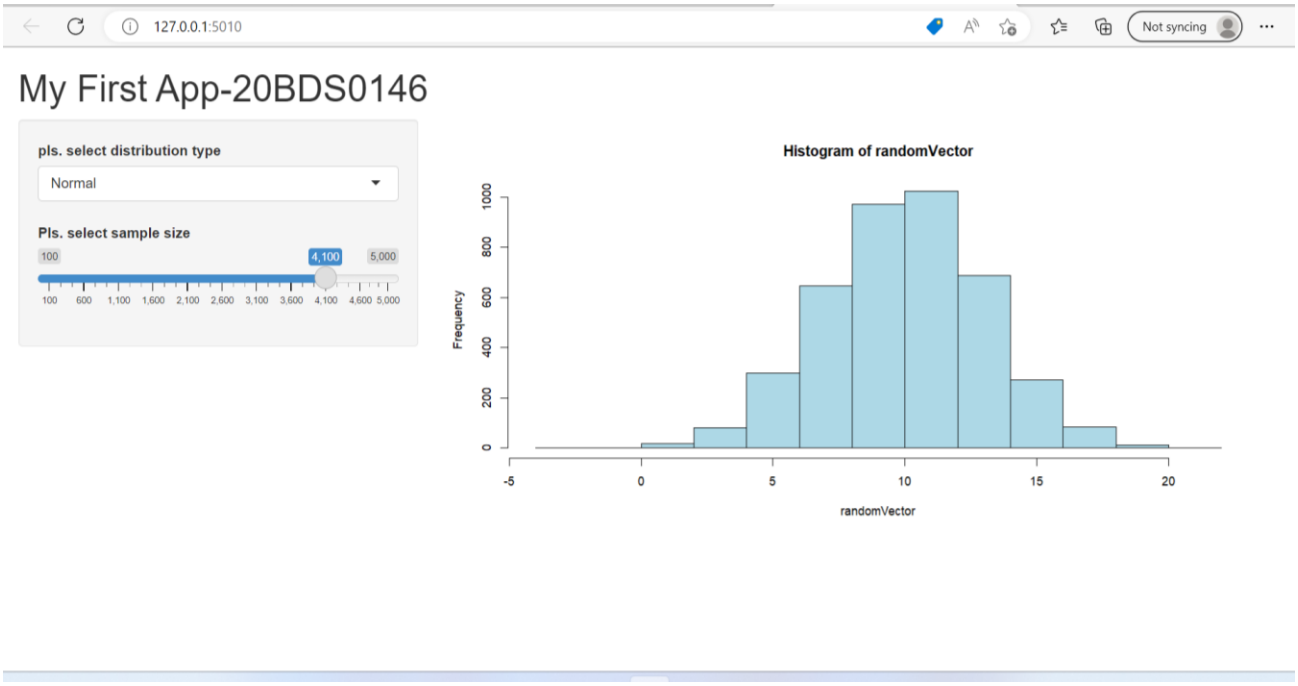
```
install.packages("shiny")

install.packages("shinydashboard")

library(shiny)

library(shinydashboard)

shinyServer(pageWithSidebar(headerPanel("My First App-
20BDS0146"),sidebarPanel(selectInput("Distribution",'pls. select distribution
type',choices=c('Normal','Exponential')),sliderInput("sampleSize",'Pls. select
sample size',min=100,
max=5000,value=1000,step=100),conditionalPanel(condition =
"input.distribution=='Normal'",textInput("mean","pls. select
mean:",10),textInput("sd","pls. select SD:",3)),conditionalPanel(condition =
"input.distribution=='Exponential'",textInput("Lambda","pls. select Exp
lambda:",1))),mainPanel(plotOutput('myPlot'))))
```

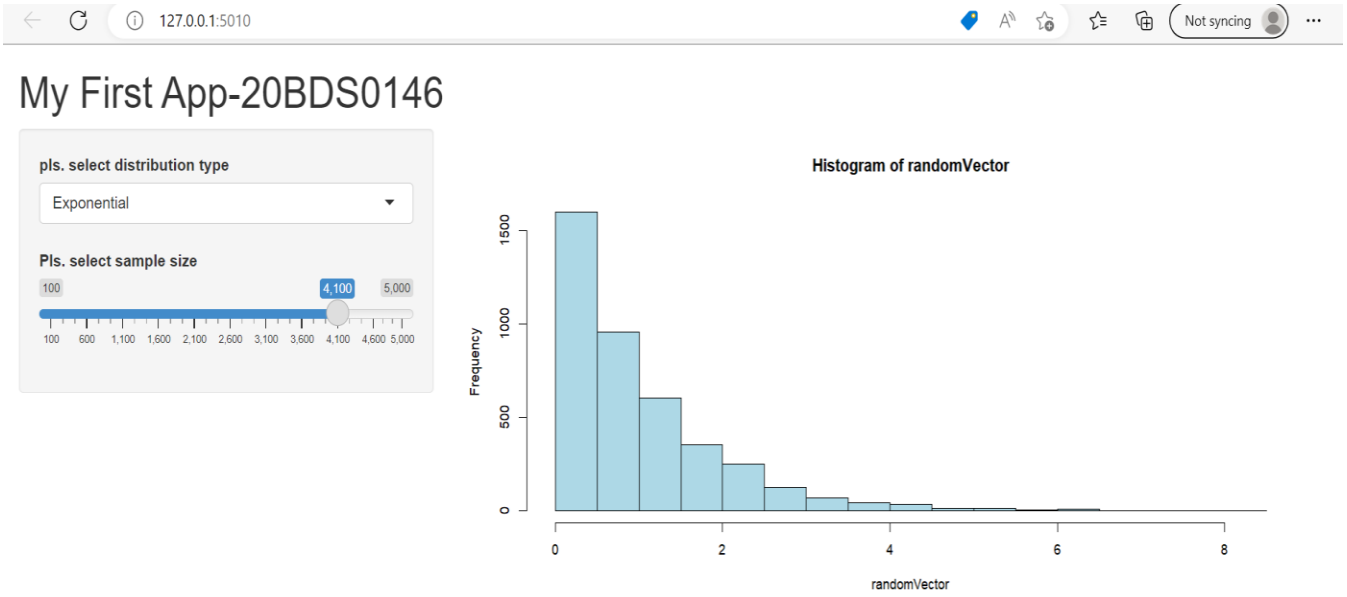
Server.R

```
install.packages("shiny")

install.packages("shinydashboard")
```

```
library(shiny)

library(shinydashboard)

shinyServer(pageWithSidebar(headerPanel("My First App-
20BDS0146"),sidebarPanel(selectInput("Distribution",'pls. select distribution
type',choices=c('Normal','Exponential')),sliderInput("sampleSize",'Pls. select
sample size',min=100,
max=5000,value=1000,step=100),conditionalPanel(condition =
"input.distribution=='Normal'",textInput("mean","pls. select
mean:",10),textInput("sd","pls. select SD:",3)),conditionalPanel(condition =
"input.distribution=='Exponential'",textInput("Lambda","pls. select Exp
lambda:",1))),mainPanel(plotOutput('myPlot'))))
```

OUTPUT:





RESULT

We have prepared a dashboard using Shiny