3/21/23, 11:45 AM Posit Cloud

```
library(shiny)
library(shinydashboard)
library(DT)
library(tibble)
library(lattice)
ui <- dashboardPage(</pre>
  dashboardHeader(title = "Soil Moisture Tamilnadu -2018"),
  dashboardSidebar(
    menuItem("hist", tabName = "hist", icon = icon("tree")),
menuItem("soil_moisture", tabName = "soil_moisture", icon = icon("leaf")),
menuItem("soil_dataset", tabName = "soil_dataset", icon = icon("star"))
    )
  dashboardBody(
     tabItems(
       tabItem("soil_moisture",
box(plotOutput("correlation_plot"),width = 8),
selectInput("features", "Features: ",c("Aggregate_Soilmoisture_Percentage_at_15cm", "Volume_Soilmoisture_percentage_at_15cm")), width
= 4
       tabItem("hist",
                  box(
                    title = "Histogram", status = "primary", solidHeader = TRUE,
                    collapsible = TRUE,
                    plotOutput("plot3", height = 250),
plotOutput("plot2", height = 200),
plotOutput("plot1", height = 200)
                 box(
                    title = "Inputs", status = "warning", solidHeader = TRUE,
"Box content here", br(), "More box content",
sliderInput("slider", "Slider input:", 1, 100, 50),
                    textInput("text", "Text input:")
       tabItem("soil_dataset",
                  fluidPage(
                    h1("soil")
                    dataTableOutput("soil_dataset")
  ))
server <- function(input, output){</pre>
  output$correlation_plot <- renderPlot({</pre>
    plot(df$Average_Soilmoisture_Level_at_15cm,df[[input$features]],xlab = "Average Soilmoisture", ylab = "Feature")
  output$plot3 <- renderPlot({</pre>
    hist(df$Average_Soilmoisture_Level_at_15cm)
  output$plot2 <- renderPlot({</pre>
    hist(df$Aggregate_Soilmoisture_Percentage_at_15cm)
  output$plot1 <- renderPlot({</pre>
    hist(df$Volume_Soilmoisture_percentage_at_15cm)
  output$soil_dataset <- renderDataTable(df)</pre>
shinyApp(ui, server = server)
```