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I want to help →

R Shiny ggplot brush

How to make the brush work and highlight the selected points as red.

It seems the `brushedPoints` function is not working properly.

```
library(shiny)
library(ggplot2)


server <- function(input, session, output) {

  D = reactive({
    brushedPoints(mtcars,input$brush_1, allRows = TRUE)
  })

  output$Plot = renderPlot({
    set.seed(1)
    X = D()
    X[,"cyl"] = as.character(X[,"cyl"])

    ggplot(X,aes_string(x="cyl",y="mpg")) +
      geom_boxplot(outlier.shape = NA) +
      geom_jitter(aes(color = selected_))+
      scale_color_manual(values = c("black","red"),guide=FALSE)
```

```
    })

    output$log = renderPrint({
      input$brush_1
    })

    output$Data = renderPrint({
      D()
    })
  }

ui <- fluidPage(
  plotOutput("Plot",brush = "brush_1"),
  verbatimTextOutput("Data"),
  verbatimTextOutput("log")

)

shinyApp(ui = ui, server = server)
```

r   ggplot2   shiny   brush

asked 1 hour ago

John
251   1   10

1 Answer

The problem exist because you use different data in `brushedPoints` and `ggplot` : convert column
to character

You can try edit data before `brushedPoints`

```
library(shiny)
library(ggplot2)


server <- function(input, session, output) {
  mt=mtcars
  mt[,"cyl"] = as.character(mt[,"cyl"])
  D=reactive({brushedPoints(mt,brush = input$brush_1,  allRows = TRUE)})
```

```r
  output$Plot = renderPlot({
    set.seed(1)
      X <- D()
     ggplot(X,aes_string(x="cyl",y="mpg")) +
      geom_boxplot(outlier.shape = NA) +
      geom_jitter(aes(color = selected_))+
      scale_color_manual(values = c("black","red"),guide=FALSE)

  })

  output$log = renderPrint({
    input$brush_1
  })

  output$Data = renderPrint({
    D()
  })
}

ui <- fluidPage(
  plotOutput("Plot",brush = "brush_1"),
  verbatimTextOutput("Data"),
  verbatimTextOutput("log")

)

shinyApp(ui = ui, server = server)
```

PS

for box plot brush work not plain , because all x-coordinates - discrete you can select it only if select middle of box (point placed not in real position but shifted to left or right - because of geom_jitter)

As told here there is no way to use geom_jitter and brush

edited 19 mins ago

answered 24 mins ago

Batanichek

3,741 9 31