



BUILDING WEB APPLICATIONS IN R WITH SHINY

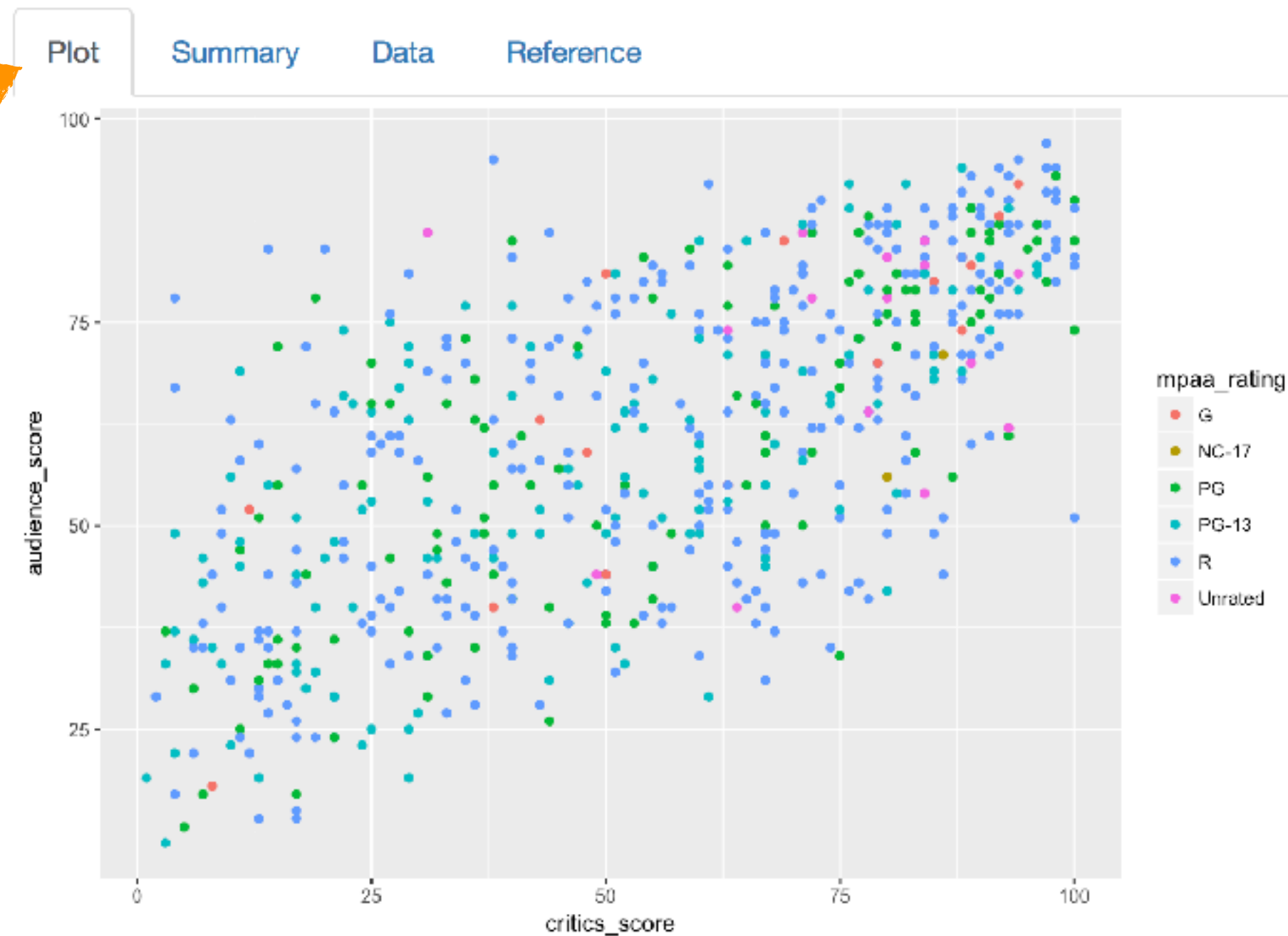
Tabs and tabsets

tabsetPanel() and tabPanel()

```
mainPanel(  
  tabsetPanel(type = "tabs",  
    tabPanel("Plot", plotOutput("plot")),  
    tabPanel("Summary", tableOutput("summary")),  
    tabPanel("Data", DT::dataTableOutput("data")),  
    tabPanel("Reference",  
      tags$p("There data were obtained from",  
        tags$a("IMDB", href = "http://www.imdb.com/"), "and",  
        tags$a("Rotten Tomatoes", href = "https://www.rottentomatoes.com/"),  
        "."),  
      tags$p("The data represent", nrow(movies), "randomly sampled movies  
released between 1972 to 2014 in the United States.")  
    )  
  )  
)
```

tabPanel()

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    tabPanel("Summary", tableOutput("summary")),  
    tabPanel("Data", DT::dataTableOutput("data")),  
    tabPanel("Reference",  
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        tags$a("Rotten Tomatoes", href = "https://  
www.rottentomatoes.com/"), "."),  
      tags$p("The data represent", nrow(movies), "randomly  
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  )  
)
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sampled movies released between 1972 to 2014 in the United  
States.")  
    )  
  )  
)
```

Plot

Summary

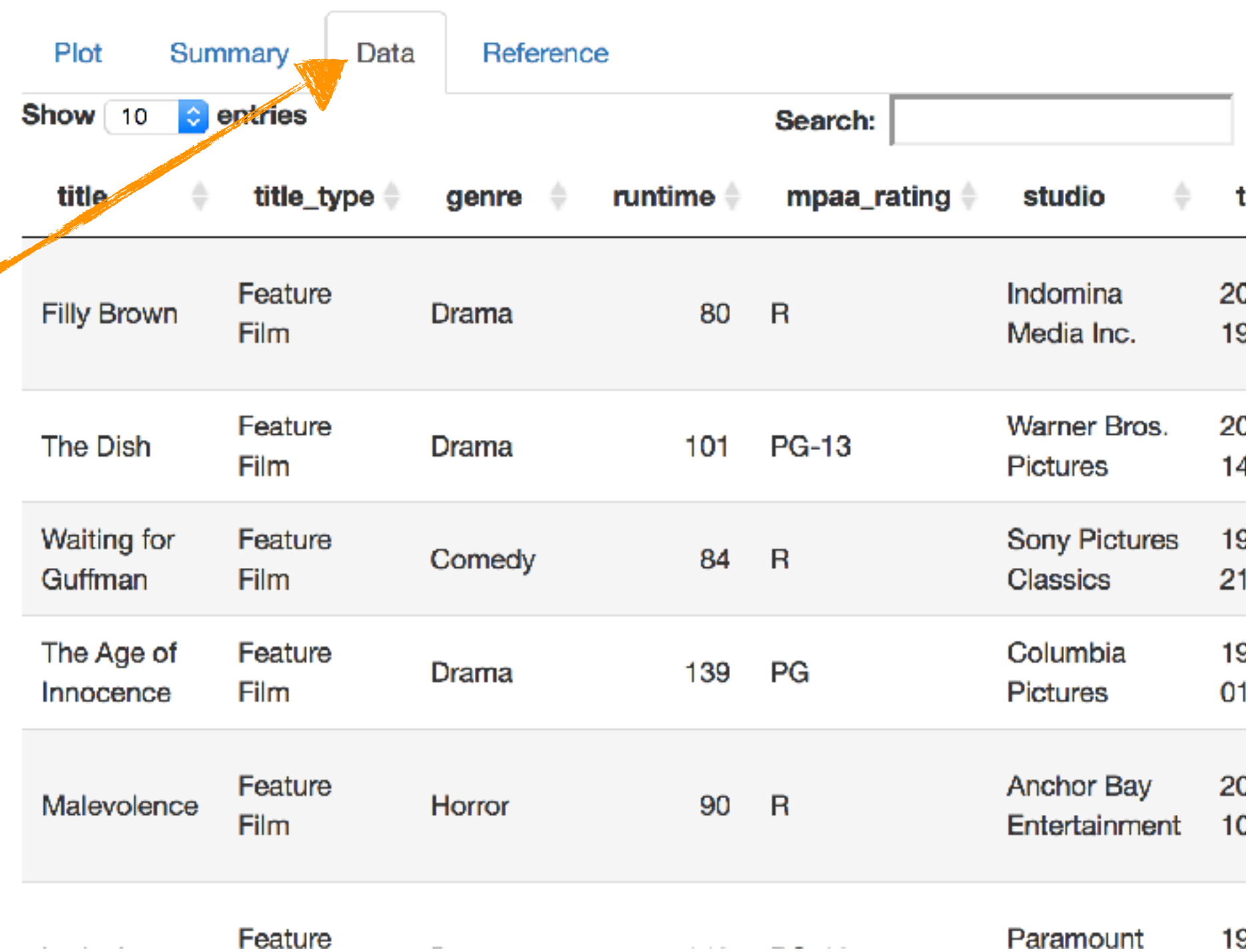
Data

Reference

mpaa_rating	mean_as	sd_as	mean_cs	sd_cs	n	cor
G	66.625	20.656	62.250	27.939	16	0.836
NC-17	63.500	10.607	83.000	4.243	2	1.000
PG	60.418	20.110	54.491	28.503	110	0.733
PG-13	56.015	19.002	46.085	26.518	130	0.662
R	61.454	19.986	56.877	27.463	317	0.648
Unrated	70.812	14.725	74.938	16.631	16	0.105

tabPanel()

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        tags$a("Rotten Tomatoes", href = "https://  
www.rottentomatoes.com/"), "."),  
      tags$p("The data represent", nrow(movies), "randomly  
sampled movies released between 1972 to 2014 in the United  
States.")  
    )  
  )  
)
```



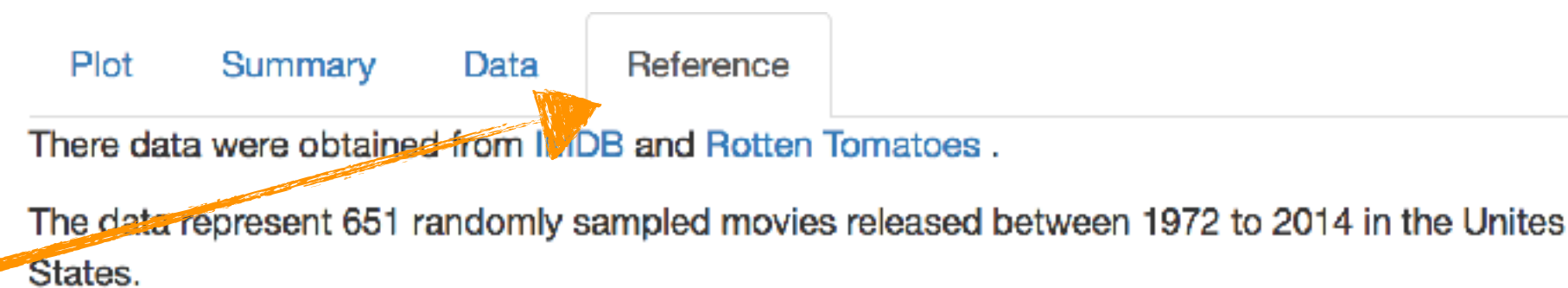
Plot Summary **Data** Reference

Show 10 entries Search:

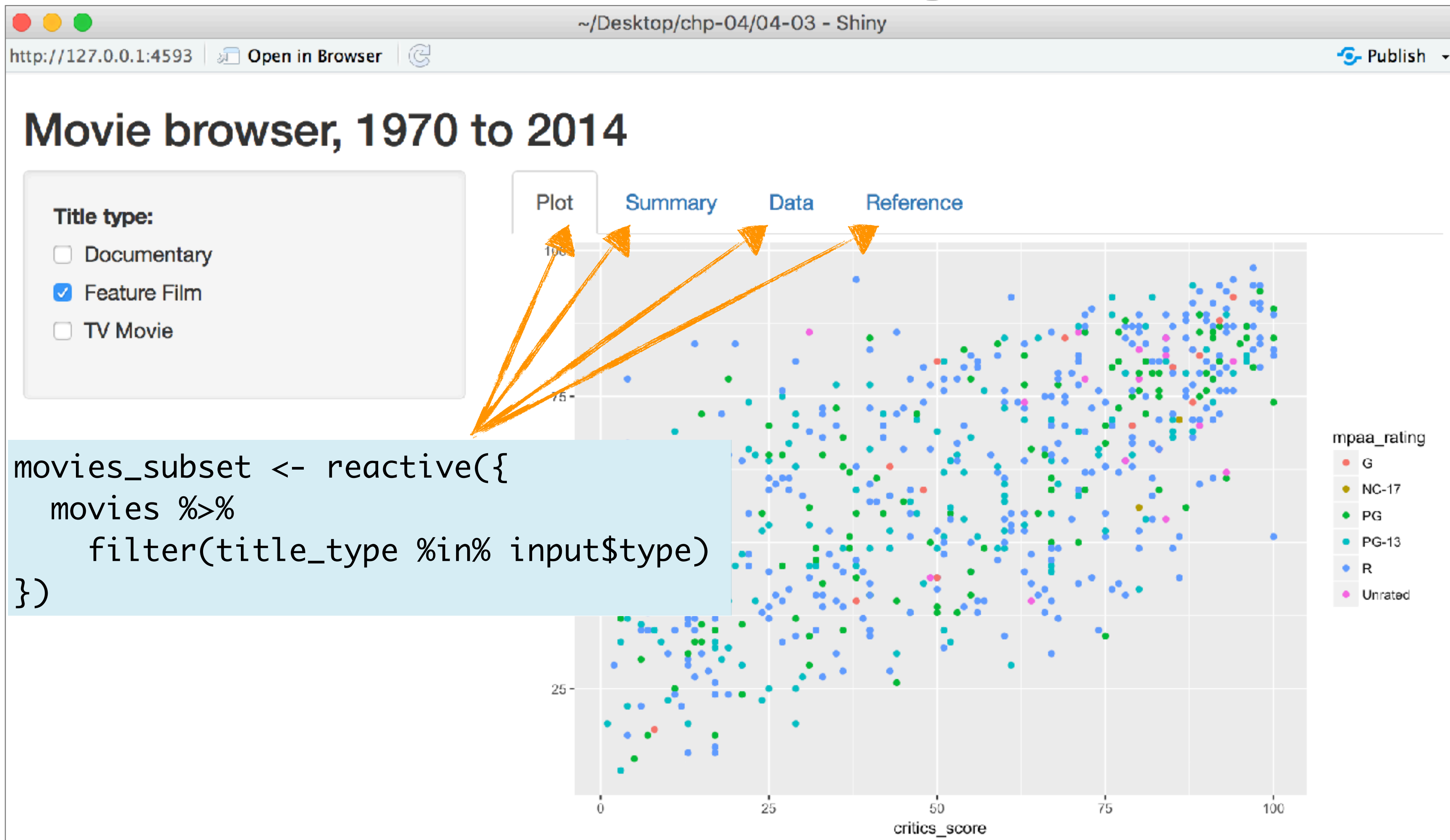
title	title_type	genre	runtime	mpaa_rating	studio	t
Filly Brown	Feature Film	Drama	80	R	Indomina Media Inc.	2019
The Dish	Feature Film	Drama	101	PG-13	Warner Bros. Pictures	2014
Waiting for Guffman	Feature Film	Comedy	84	R	Sony Pictures Classics	1999
The Age of Innocence	Feature Film	Drama	139	PG	Columbia Pictures	1993
Malevolence	Feature Film	Horror	90	R	Anchor Bay Entertainment	2007
...	Feature	-	...	-	Paramount	19...

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    tabPanel("Plot", plotOutput("plot")),  
    tabPanel("Summary", tableOutput("summary")),  
    tabPanel("Data", DT::dataTableOutput("data")),  
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www.rottentomatoes.com/"), "."),  
      tags$p("The data represent", nrow(movies), "randomly  
sampled movies released between 1972 to 2014 in the United  
States.")  
    )  
  )  
)
```

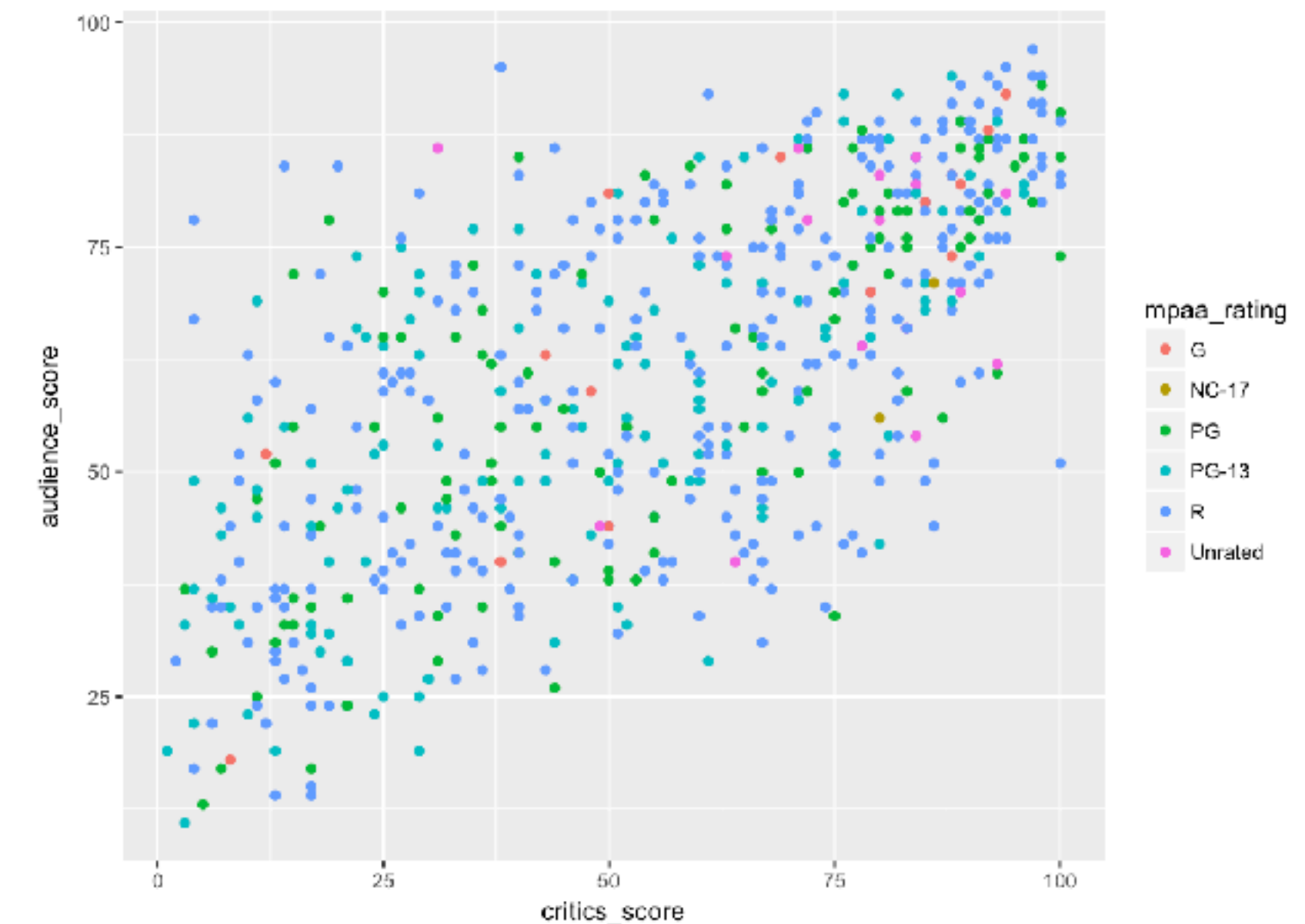


Tabs and reactivity



navlistPanel()

```
mainPanel(  
  navlistPanel(tabPanel("Plot", plotOutput("plot")),  
               tabPanel("Summary", tableOutput("summary")),  
               tabPanel("Data", DT::dataTableOutput("data")),  
               tabPanel("Reference",  
                 tags$p("There data were obtained from",  
                   tags$a("IMDB", href = "http://www.imdb.com/"), "and",  
                   tags$a("Rotten Tomatoes", href = "https://  
www.rottentomatoes.com/"), "."),  
                 tags$p("The data represent", nrow(movies), "randomly  
sampled movies released between 1972 to 2014 in the United  
States.")  
               )  
)
```



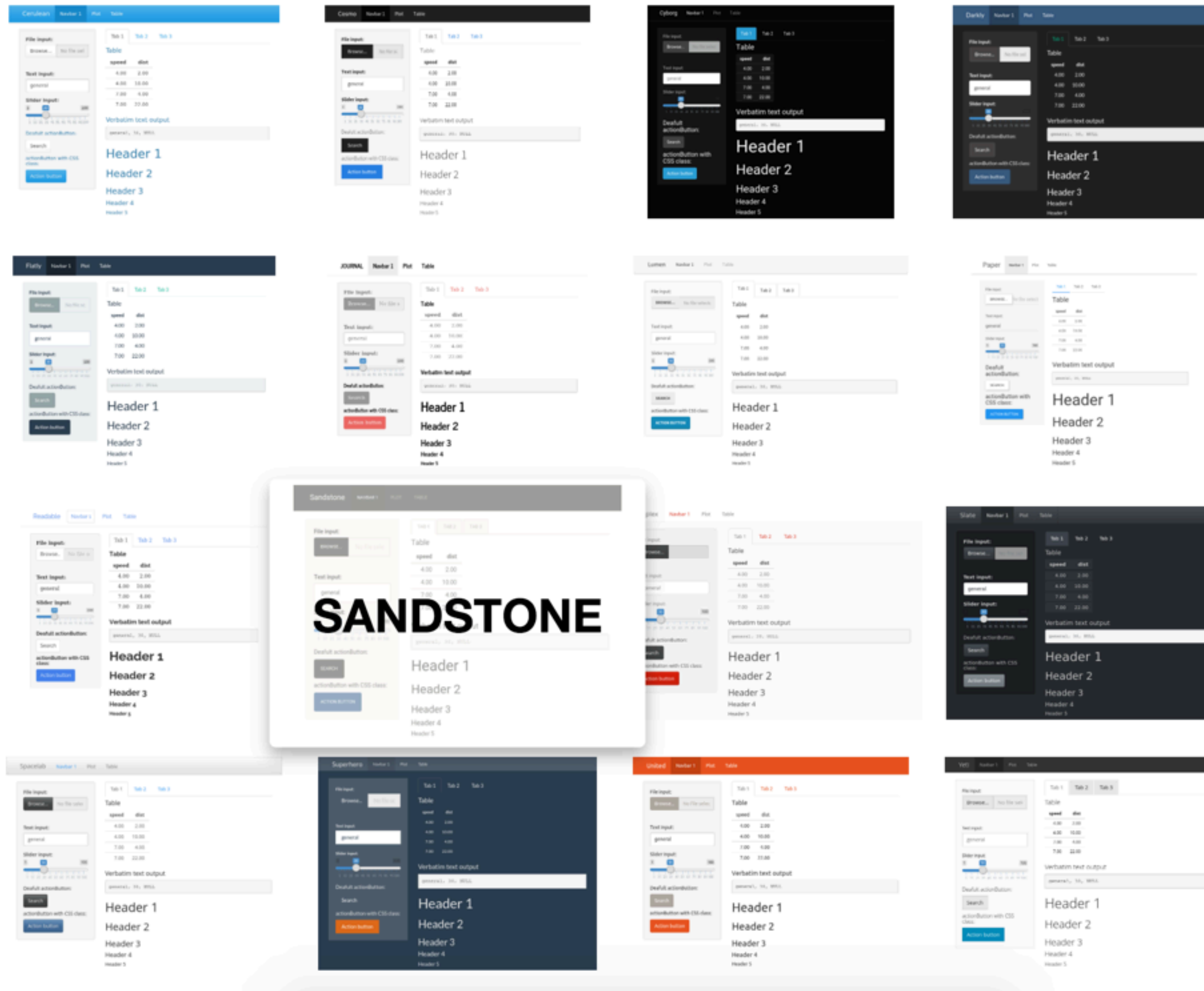
Tabs

[Plot](#)[Summary](#)[Data](#)[Reference](#)

There data were obtained from [IMDB](#) and [Rotten Tomatoes](#) .

The data represent 651 randomly sampled movies released between 1972 to 2014 in the Unites States.

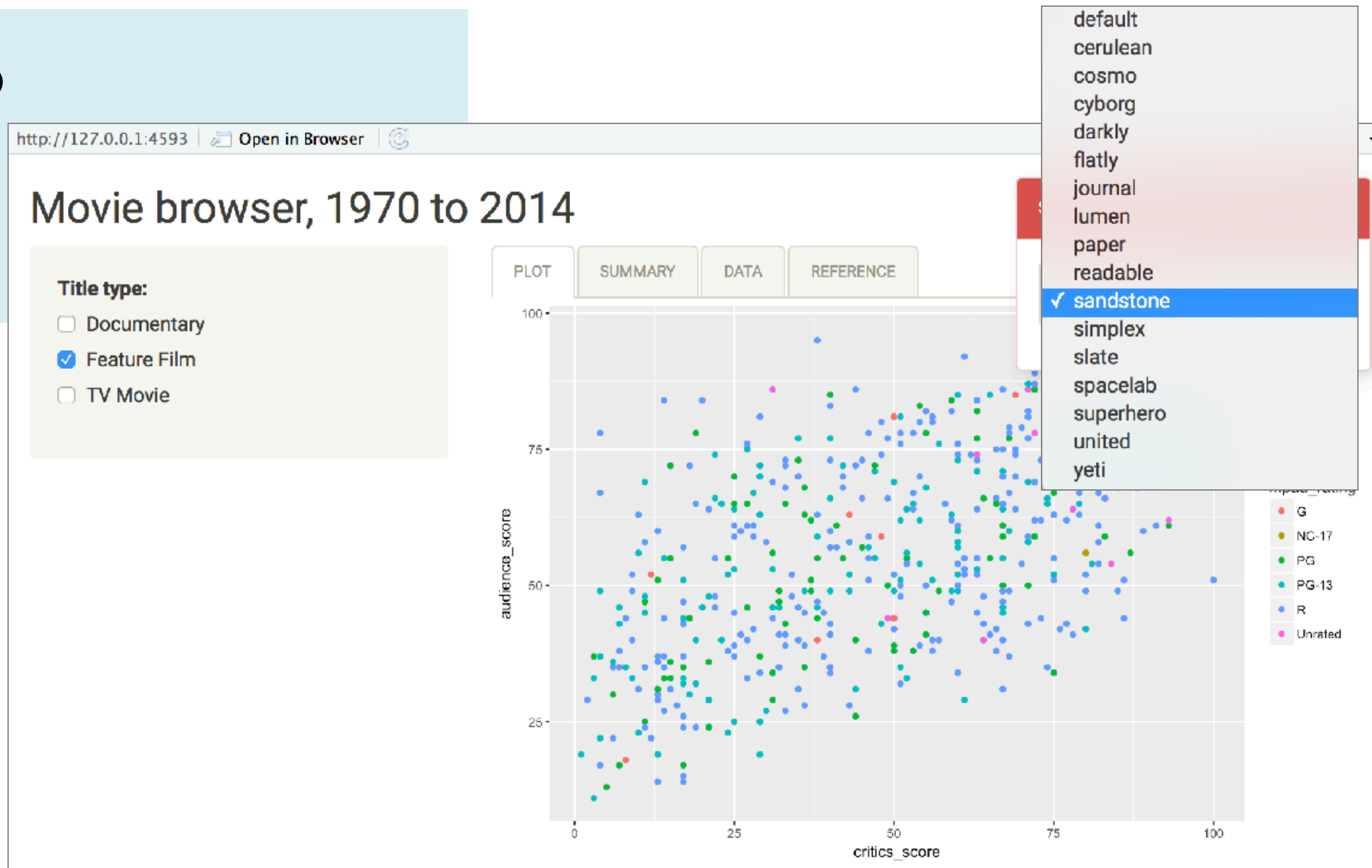
shinythemes



shinythemes

```
library(shiny)
library(shinythemes)
```

```
ui <- fluidPage(
  themeSelector(),
  ...
)
```





BUILDING WEB APPLICATIONS IN R WITH SHINY

Let's practice!