



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.")
```





```
Reference
                                                                         Summary
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://

    PG-13

www.rottentomatoes.com/"), "."),
    tags$p("The data represent", nrow(movies), "randomly
                                                                                                                       Unrated
sampled movies released between 1972 to 2014 in the United
States.")
                                                                                          critics_score
```





Plot	Summary	Data	a Refe	rence			
mpsa_r.	ating mea	n_as	sd_as	mean_cs	sd_cs	n	cor
G	66	6.625	20.656	62.250	27.939	16	0.836
NC-17	60	3.500	10.607	83.000	4.243	2	1.000
PG	60	0.418	20.110	54.491	28.503	110	0.733
PG-13	56	6.015	19.002	46.085	26.518	130	0.662
R	6	1.454	19.986	56.877	27.463	317	0.648
Unrated	70	0.812	14.725	74.938	16.631	16	0.105





Plot Su	ummary Data	Reference Search:							
Show 10	entries								
title	title_type 🌲	genre 🍦	runtime 🖣	mpaa_rating 🖣	studio 🔷	t			
Filly Brown	Feature Film	Drama	80	R	Indomina Media Inc.	20 19			
The Dish	Feature Film	Drama	101	PG-13	Warner Bros. Pictures	20 14			
Waiting for Guffman	Feature Film	Comedy	84	R	Sony Pictures Classics	19 21			
The Age of Innocence	Feature Film	Drama	139	PG	Columbia Pictures	19 01			
Malevolence	Feature Film	Horror	90	R	Anchor Bay Entertainment	20			
	Feature				Paramount	19			





Plot Summary Data Reference

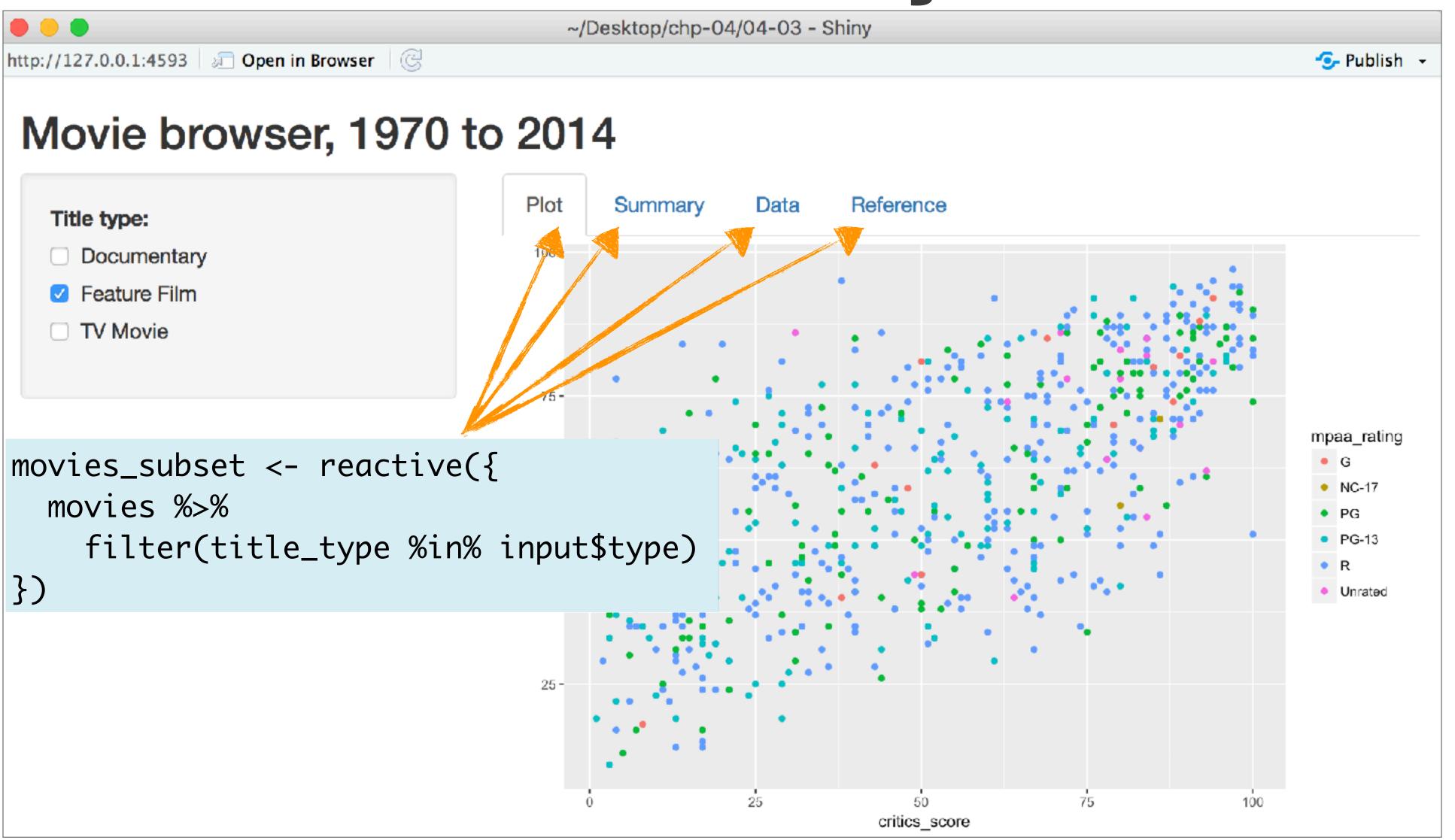
There data were obtained from IMDB and Rotten Tomatoes .

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





### Tabs and reactivity

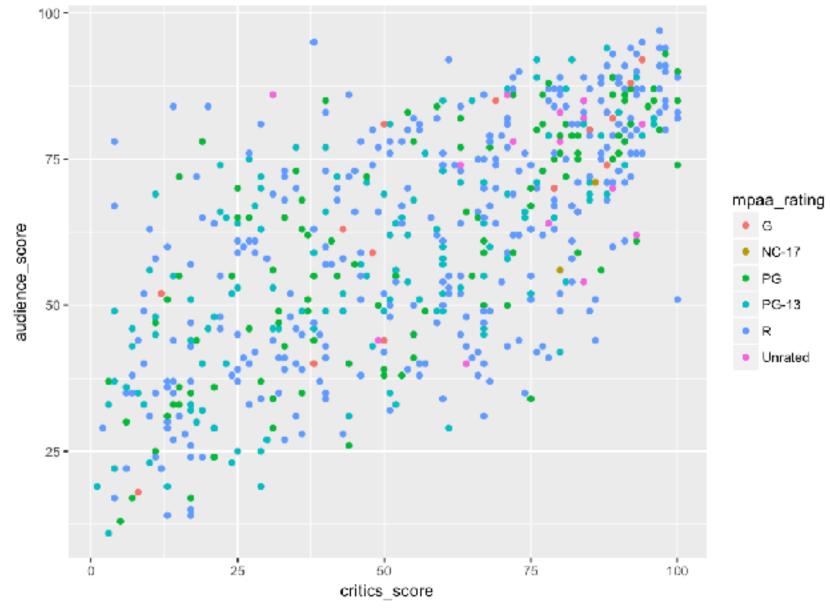






# navlistPanel()







### Tabs

Plot Summary

Data

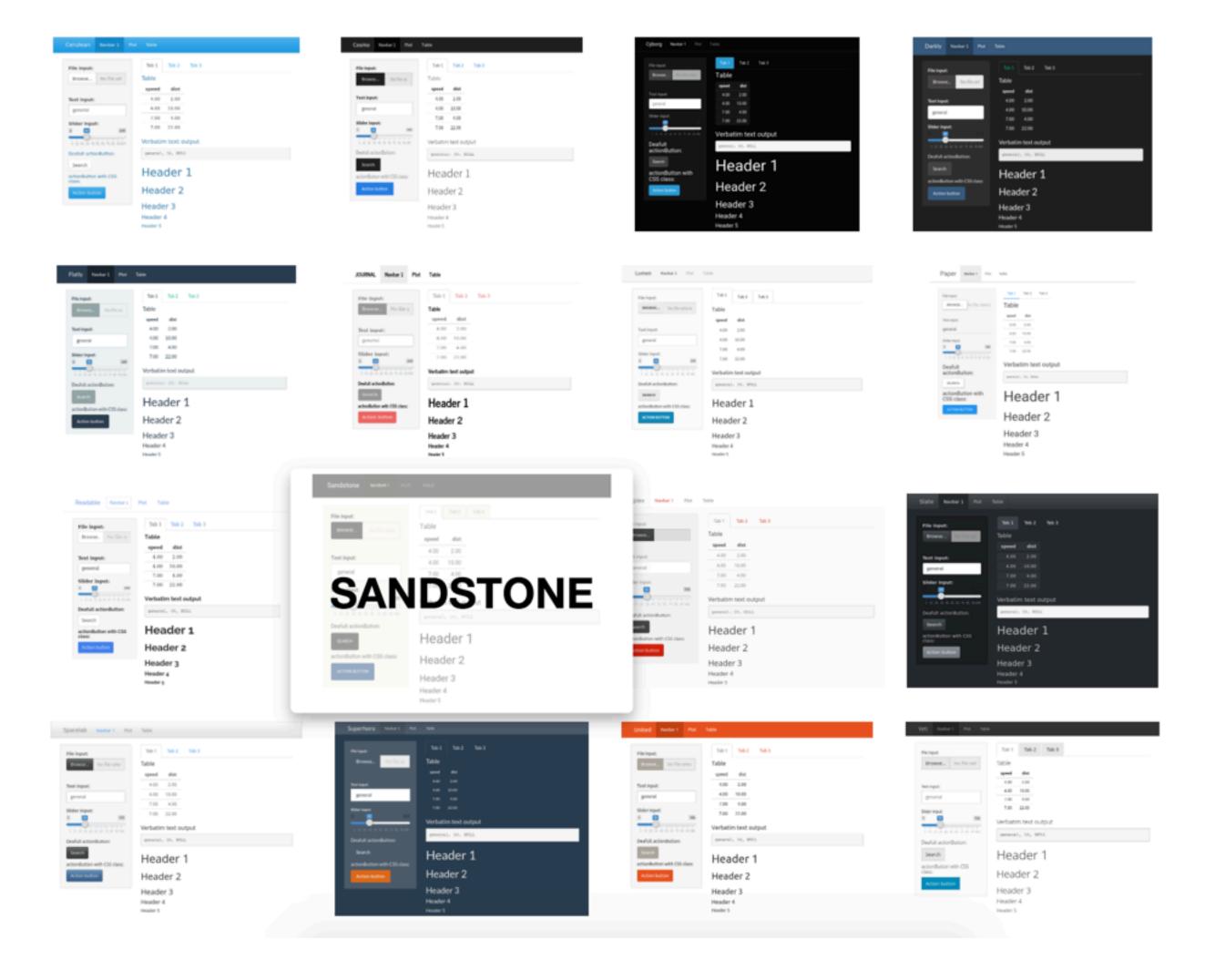
Reference

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

```
default
library(shiny)
                                                                                                                                  cerulean
library(shinythemes)
                                                                                                                                  cosmo
                                                                                                                                  cyborg
                                                                                                                                  darkly
                                   http://127.0.0.1:4593 | 🔊 Open in Browser | 🕃
ui <- fluidPage(</pre>
                                                                                                                                  flatly
                                                                                                                                  journal
                                     Movie browser, 1970 to 2014
   themeSelector(),
                                                                                                                                  lumen
                                                                                                                                  paper
                                                                                                                                  readable
                                                                                                   DATA
                                                                                PLOT
                                                                                        SUMMARY
                                                                                                           REFERENCE
                                       Title type:
                                                                                                                                 ' sandstone

    Documentary

                                                                                                                                  simplex
                                       Feature Film
                                                                                                                                  slate
                                                                                                                                  spacelab

☐ TV Movie

                                                                                                                                  superhero
                                                                                                                                  united
                                                                                                                                                    • G

    NC-17

                                                                                                                                                    PG

    PG-13

    Unrated

                                                                                                   25
                                                                                                                                75
                                                                                                                                              100
                                                                                                               critics_score
```





BUILDING WEB APPLICATIONS IN R WITH SHINY

# Let's practice!