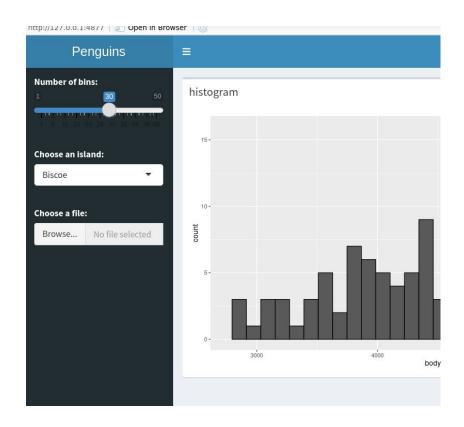


Changing the Appearance of your Shiny App

The defaults on Shiny and shinydashboard aren't bad, but it results in a lot of apps looking sameish.

What if you want to customize the appearance of your app?

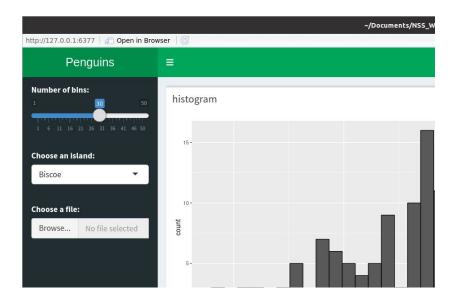


Option #1 (shinydashboard specific): Choose a different skin

Use the *skin* argument for *dashboardPage*.

See the options <u>here</u>.

```
1 shinyUI(
2  dashboardPage(skin = "green",
3
4  # Application title
5  dashboardPage(title = "Benguing")
```



Option #2: Use a Library that lets you use/build themes

For this, I recommend the bslib library: https://rstudio.github.io/bslib/

<u>shinythemes</u> is another good one, or <u>dashboardthemes</u> if using *shinydashboard*

You can use a <u>Bootswatch</u> theme or modify one as you need.

To use bslib, you must use either a fluidPage, navbarPage, or bootstrapPage layout.

Bootswatch Themes ▼ Download ▼ Help Blog Cosmo An ode to Metro Secondary Cosmo An ode to Metro **PREVIEW** DOWNLOAD

Build your own theme using bs theme preview()

Warning: This is a *lot* of work.

CSS = Cascading Style Sheet

https://developer.mozilla.org/en-US/docs/Learn/Getting started with the web/CSS basics

In Shiny, most of the time, you will be selecting a class to modify.

To select a class, you need to do .*classname*. You can also select tags by type with just *tagtype*.

Sometimes you need to specify a series of classes to narrow it down to the element that you want.

Note also that you can change the style when an element is hovered over by tacking on *:hover*

```
Example:
```

```
h2 {
    color: blue;
}
```

This will apply to elements inside h2 tags.

```
Example:

h2 {

color: blue;
```

Example:

```
h2 {
color: blue;
}
```

Change the font color to blue. You can specify a color by name, by hex, or by other methods, like rgba.

This will apply to elements inside h2 tags when they are hovered over.

```
h2:hover {
    color: blue;
```

```
Example:
.irs-grid-pol.small {
```

```
height: 0px;
```

This will apply to elements which are of class irs-grid-pol.small.

```
Example:
```

```
.irs-grid-pol.small {
  height: 0px;
}
```

Example:

```
.irs-grid-pol.small {
Set the height to 0 pixels.

height: 0px;
}
```

The RStudio DevTools are extremely useful when adjusting the look of your Shiny app.

Right-click on an element and choose "Inspect element" to open

DevTools.

You can look at the "Styles" tab on the right side to determine what is affecting the appearance of an element and to try out other settings (which can then be added to your .css file).

```
giv style- position; apsolute; Lett; Mpx; top; Mpx; Fight; Mpx; pottom; Mpx;
                                                                                                                                                             Styles Computed Event Listeners 30
                  div aria-hidden-"true" style-"position: absolute: z-index: -32767; top: -28ex; width: 18em; height: 18ex; visibility: hidden
                  ▼ iframe class= gwt-Frame src= http://127.0.8.1:6377/ title= Shiny Application style= width: 180%; height: 180%; position
                                                                                                                                                             Enrice element state
                  absolute; left: 0px; top: 0px; right: 0px; bottom: 0px;
                                                                                                                                                              = :active
                                                                                                                                                                                          :hover
                                                                                                                                                              :focus-within
                                                                                                                                                                overflow: h hidden:
                                                                                                                                                                                     vendor-prefixes.less:77
                                                                                                                                                                webkit box sizing; border box;
                                                                                                                                                                box-sizing: border-box:
                                                                                                                                                                                          AdminLTE.min.css:7
                             wisection ide"sidebar[temExpanded" class="sidebar shipy-bound-input";
                              F-div class-"form-group shiny-input-container">_-</div-
                                                                                                                                                                   Neue' Helyetica Arial cans cerif:
                               v<div class='form-group shiny-input-container'</pre>
                                                                                                                                                                font-weight: 400;
                                                                                                                                                                font family: 'Helvetica
                                                                                                                                                                   Neue", Helvetica, Arial, canc cerif
                                    widiy class="selectize input items has options full has items">
                                                                                                                                                                font size: 14px;
line height: 1.42857143
                                        <div class="item" data-value="Biscoe">Biscoe</div>
                                                                                                                                                                color: ##333;
                                                                                                                                                                                         scaffolding.less:23
                                                                                                                                                                -webkit-tap-highlight-color:
                                      </div>
                                    <script type="application/ison" data.fpr="island" data.pppempty=()</pre>/script
                                                                                                                                                               font family, cans sorif
                              >-div class='form-group shiny-input-container'>_</div</pre>
                                                                                                                                                                publish toxt cize adjust, 1885;
                              </sections
                          hadiv class="content_uranner" style="min_height: 748nv:"> a/div
html body div div div div trstudio satellite panel div div div div div iframe.owt-Frame html body.skin-blue div.wrapper header.main-header span.logo
```

CSS can be added directly in your ui.R script using tags\$style:

```
tags$style(type = "text/css", ".irs-grid-pol.small
{height: 0px;}"),
```

Or by using the style argument:

```
fluidRow(
    style = "padding-top: 20px",
    plotOutput("cylPlot", height = "300px")
)
```

Or by linking to a stylesheet contained in a www folder.

In general, Shiny will look for images or other static files that you want to include in your app in a folder named www in the directory holding your app.

```
dashboardSidebar(
    tags$head(
        tags$link(
            rel = "stylesheet", type = "text/css", href = "style.css"
    sliderInput("bins",
                min = 1,
                max = 50,
                value = 30).
    selectInput("island",
                "Choose an island:".
                choices = island choices,
                selected = island choices[1]),
    fileInput("file",
        "Choose a file:"
```