

## Shiny



```
app.R ×
40 2 - 1
                                                                                                                                                                                                                                                               💁 Publish 🗸 🗎
                                                                                                                                                                                                                                     ▶ Run App 🕶
     1 # Load necessary libraries
     2 library(shiny)
     3 library(ggplot2)
     4 library(ggridges)

    app.R 

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

    x

     5 library(viridis)
                                                                                                                                                                                                                              Iincoln-weather.R
                                                                                                                                                                                                                             ▷ ▼
                                                                                                                                                                                                                                                                                                                                                                                                                       ዋ □ ♂ …
     7 # Load the data, which is included in the ggridges package
                                                                                                                                                                                                                               🗣 app.R
     8 lincoln_weather <- ggridges::lincoln_weather</pre>
                                                                                                                                                                                                                                               # Load necessary libraries
     9
                                                                                                                                                                                                                                               library(shiny)
                                                                                                                                                                                                                                               library(ggplot2)
   10 # Define the User Interface (UI)
                                                                                                                                                                                                                                               library(ggridges)
   11 ui <- fluidPage(</pre>
                                                                                                                                                                                                                                               library(viridis)
                  # Application title
                   titlePanel("Interactive Lincoln, NE 2016 Temperature Ridges"),
   13
                                                                                                                                                                                                                                               # Load the data, which is included in the ggridges package
                                                                                                                                                                                                                                               lincoln_weather <- ggridges::lincoln_weather</pre>
   14
                   # Sidebar layout for controls
   15
                                                                                                                                                                                                                                               # Define the User Interface (UI)
                  sidebarLayout(
   16
                                                                                                                                                                                                                                               ui <- fluidPage(</pre>
                                                                                                                                                                                                                                 11
                       # Sidebar panel with input controls
   17
                                                                                                                                                                                                                                                   # Application title
                                                                                                                                                                                                                                 12
   18
                       sidebarPanel(
                                                                                                                                                                                                                                                    titlePanel("Interactive Lincoln, NE 2016 Temperature Ridges"),
                                                                                                                                                                                                                                 13
  5:17 (Top Level) $
                                                                                                                                                                                                                                 14
                                                                                                                                                                                                                                                    # Sidebar layout for controls
                                                                                                                                                                                                                                 15
                                                                                                                                                                                                                                 16
                                                                                                                                                                                                                                                    sidebarLayout(
                                                                                                                                                                                                                                                        # Sidebar panel with input controls
                                                                                                                                                                                                                                 17
                                                                                                                                                                                                                                 18
                                                                                                                                                                                                                                                         sidebarPanel(
                                                                                                                                                                                                                                                             # Input 1: Slider for controlling the scale (overlap) of the ridges
                                                                                                                                                                                                                                 19
                                                                                                                                                                                                                                 20
                                                                                                                                                                                                                                                              sliderInput(
                                                                                                                                                                                                                                 21
                                                                                                                                                                                                                                                                   inputId = "scale",
                                                                                                                                                                                                                                                                   label = "Ridge Scale (Overlap):",
                                                                                                                                                                                                                                 22
                                                                                                                                                                                                                                 23
                                                                                                                                                                                                                                                                   min = 1,
                                                                                                                                                                                                                                 24
                                                                                                                                                                                                                                                                   \max = 5,
                                                                                                                                                                                                                                                                   value = 3,
                                                                                                                                                                                                                                 25
                                                                                                                                                                                                                                 26
                                                                                                                                                                                                                                                                   step = 0.5,
                                                                                                                                                                                                                                 27
                                                                                                                                                                                                                                                                   # Helper text for the user
                                                                                                                                                                                                                                                                   animate = animationOptions(interval = 400)
```

