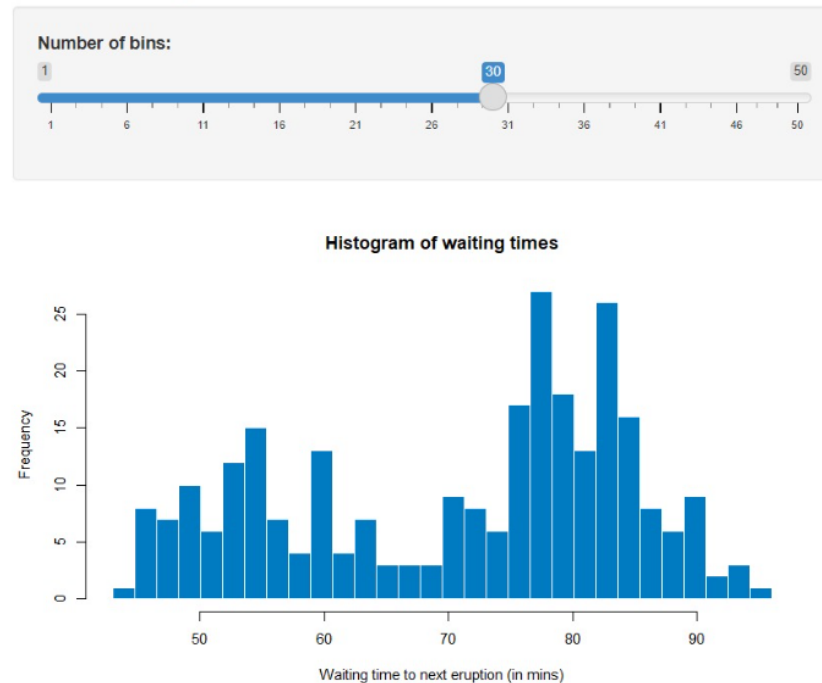


## DV LAB 7 RESULTS

**Lesson 1:** L1.R is the lesson replica, L1\_app.R is the answer for your turn and app\_1.R is for a different dataset

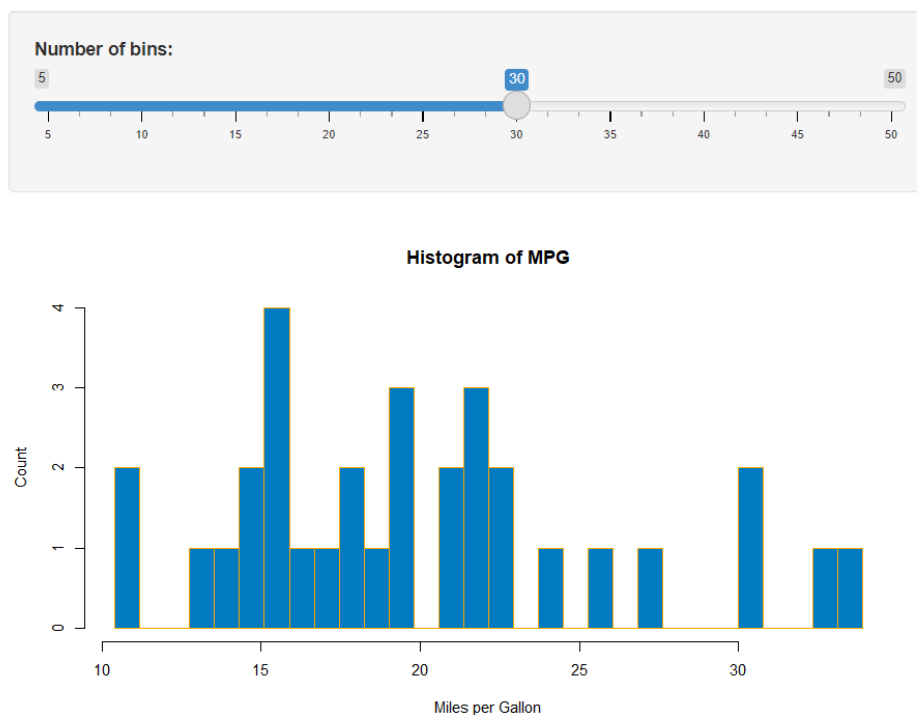
Used the faithful R's dataset for L.R and L1\_app.R

Hello Shiny!



Changed to mtcars dataset available in the R's dataset for app\_1.R

Hello World!



**Lesson 2:** L2.R, L2\_1.R are the lesson replicas, L2\_app.R is the answer for your turn

## My Shiny App

First level title

Second level title

Third level title

Fourth level title

Fifth level title

Sixth level title

Episode IV

A NEW HOPE

It is a period of civil war.

Rebel spaceships, striking

from a hidden base, have won

their first victory against the

evil Galactic Empire.

## My Shiny App

`p` creates a paragraph of text.

A new `p()` command starts a new paragraph. Supply a style attribute to change the format of the entire paragraph.

**`strong()` makes bold text.** *`em()` creates italicized (i.e., emphasized) text.*

`code` displays your text similar to computer code

`div` creates segments of text with a similar style. This division of text is all blue because I passed the argument `'style = color:blue'` to `div`

`span` does the same thing as `div`, but it works with `groups of words` that appear inside a paragraph.

← → ↺ 127.0.0.1:7545

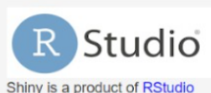
🔗 ☆ 📄 🔍 🌐 📱 📺 📖 📄 📄 📄

## My Shiny App

### Installation

Shiny is available on CRAN, so you can install it in the usual way from your R console:

```
install.packages("shiny")
```



### Introducing Shiny

Shiny is a new package from RStudio that makes it *incredibly easy* to build interactive web applications with R.

For an introduction and live examples, visit the [Shiny homepage](#).

### Features

- Build useful web applications with only a few lines of code—no JavaScript required.
- Shiny applications are automatically 'live' in the same way that **spreadsheets** are live. Outputs change instantly as users modify inputs, without requiring a reload of the browser.

## Lesson 3: L3.R is the lesson replica, L3\_app.R is the answer for your turn

← → ↻ 127.0.0.1:6417

### Basic widgets

**Buttons**

**Single checkbox**  
☒ Choice A

**Checkbox group**  
☐ Choice 1  
☒ Choice 2  
☐ Choice 3

**Date input**

**Date range**  
 to

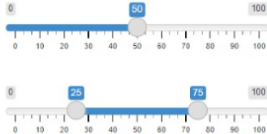
**File input**  
 No file selected

**Help text**  
Note: help text isn't a true widget, but it provides an easy way to add text to accompany other widgets.

**Numeric input**

**Radio buttons**  
☐ Choice 1  
☐ Choice 2  
☒ Choice 3

**Select box**

**Sliders**  


**Text input**

## censusVis

Create demographic maps with information from the 2010 US Census.

**Choose a variable to display**

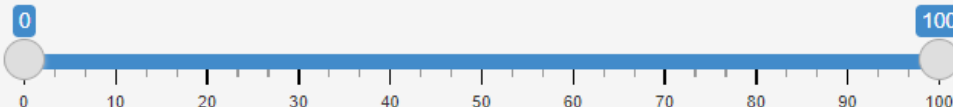
Percent White  
Percent Black  
Percent Hispanic  
Percent Asian

## censusVis

Create demographic maps with information from the 2010 US Census.

**Choose a variable to display**

**Range of interest:**



**Lesson 4:** L4.R is the lesson replica, and L4\_app.R is the answer for your turn.

## censusVis

Create demographic maps with information from the 2010 US Census.

**Choose a variable to display**

Percent Black

**Range of interest:**

0 100

You have selected Percent Black

← → ↺ 127.0.0.1:4109

## censusVis

Create demographic maps with information from the 2010 US Census.

**Choose a variable to display**

Percent Hispanic

**Range of interest:**

0 20 90 100

You have selected Percent Hispanic  
You have a range that goes from 20 to 90

**Lesson 5:** L5.R, L5\_1.R are the answers for your turn 1 and 2.

## censusVis

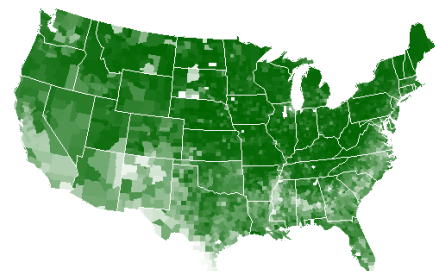
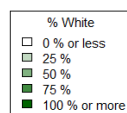
Create demographic maps with information from the 2010 US Census.

**Choose a variable to display**

Percent White

**Range of interest:**

0 100



censusVis

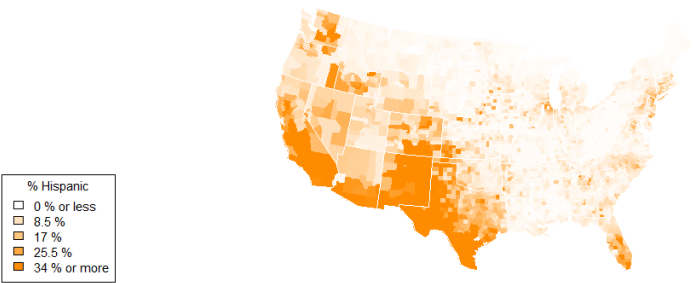
Create demographic maps with information from the 2010 US Census.

**Choose a variable to display**

Percent Hispanic

**Range of interest:**

0 34 100



**Lesson 6:** L6.R is the lesson replica, and L6\_app.R is the answer for your turn.

stockVis

Select a stock to examine. Information will be collected from Yahoo finance.

**Symbol**

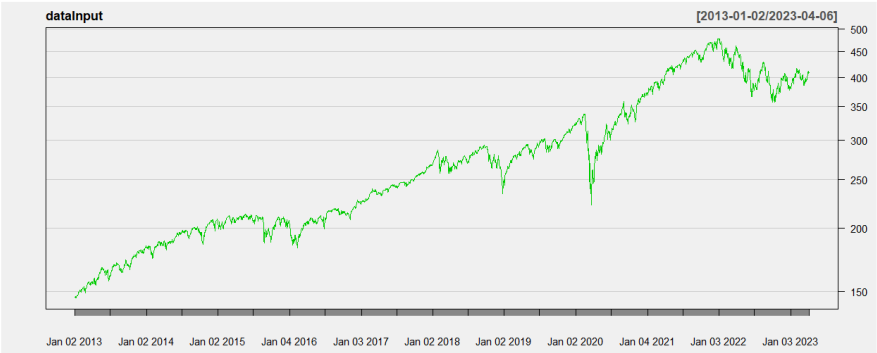
SPY

**Date range**

2013-01-01 to 2023-04-10

☒ Plot y axis on log scale

☒ Adjust prices for inflation



stockVis

Select a stock to examine. Information will be collected from Yahoo finance.

**Symbol**

SPY

**Date range**

2013-01-16 to 2023-05-05

☒ Plot y axis on log scale

☐ Adjust prices for inflation

