

# Week-9: Code-along and Challenge

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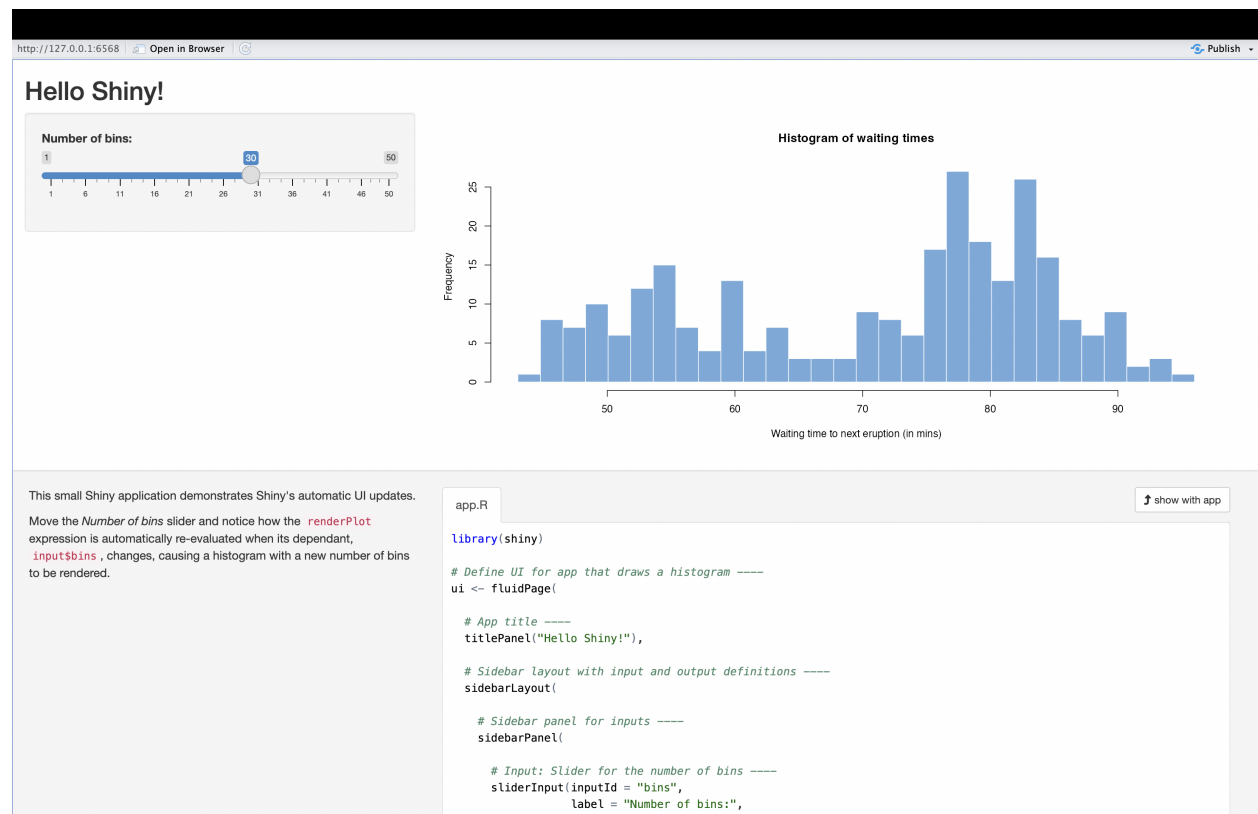
2024-03-19

## Week 9 Code Along

### I.

```
# Example (Slide 6)
install.packages("shiny")
library("shiny")
runExample("01_hello")
```

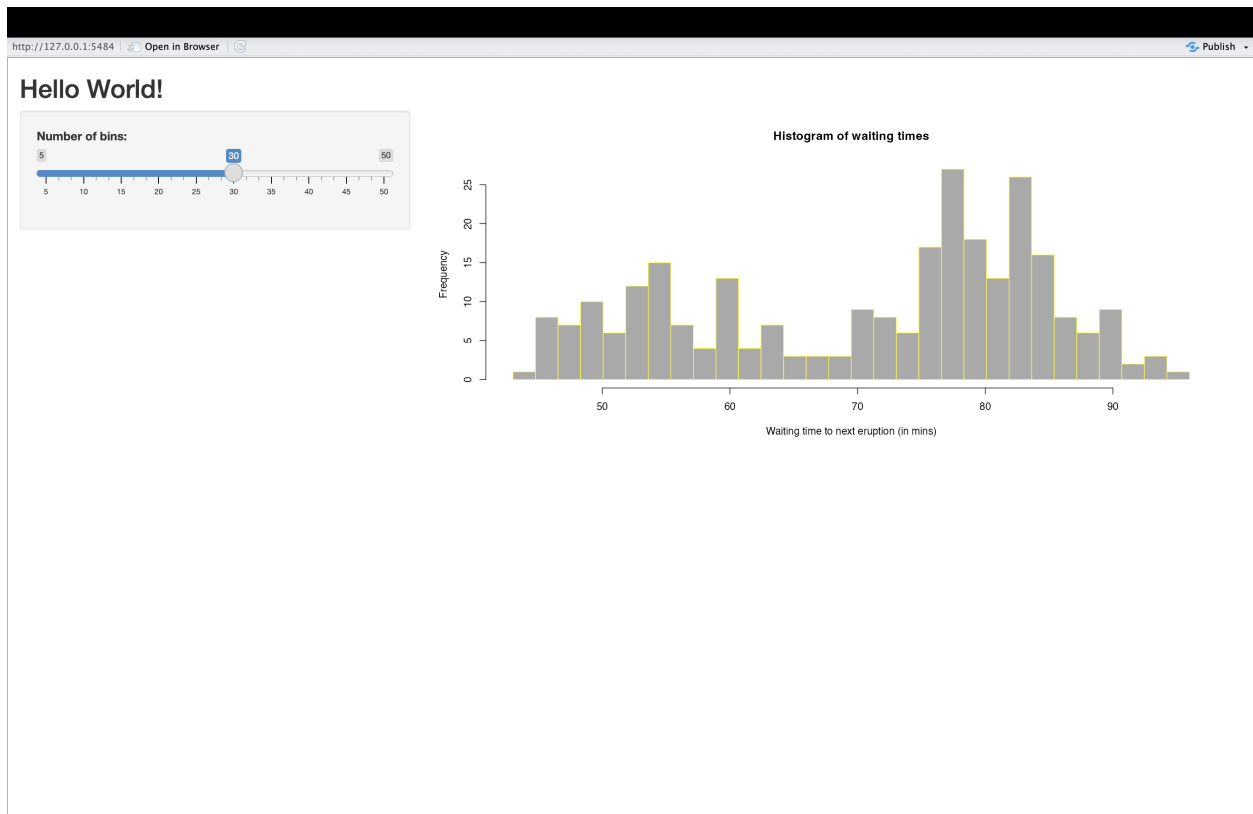
```
knitr::include_graphics("/Users/EstherKho/Documents/Y2S2/NM2207/Week 9/example.jpg")
```



```
# App-1: customization (Slide 13)
```

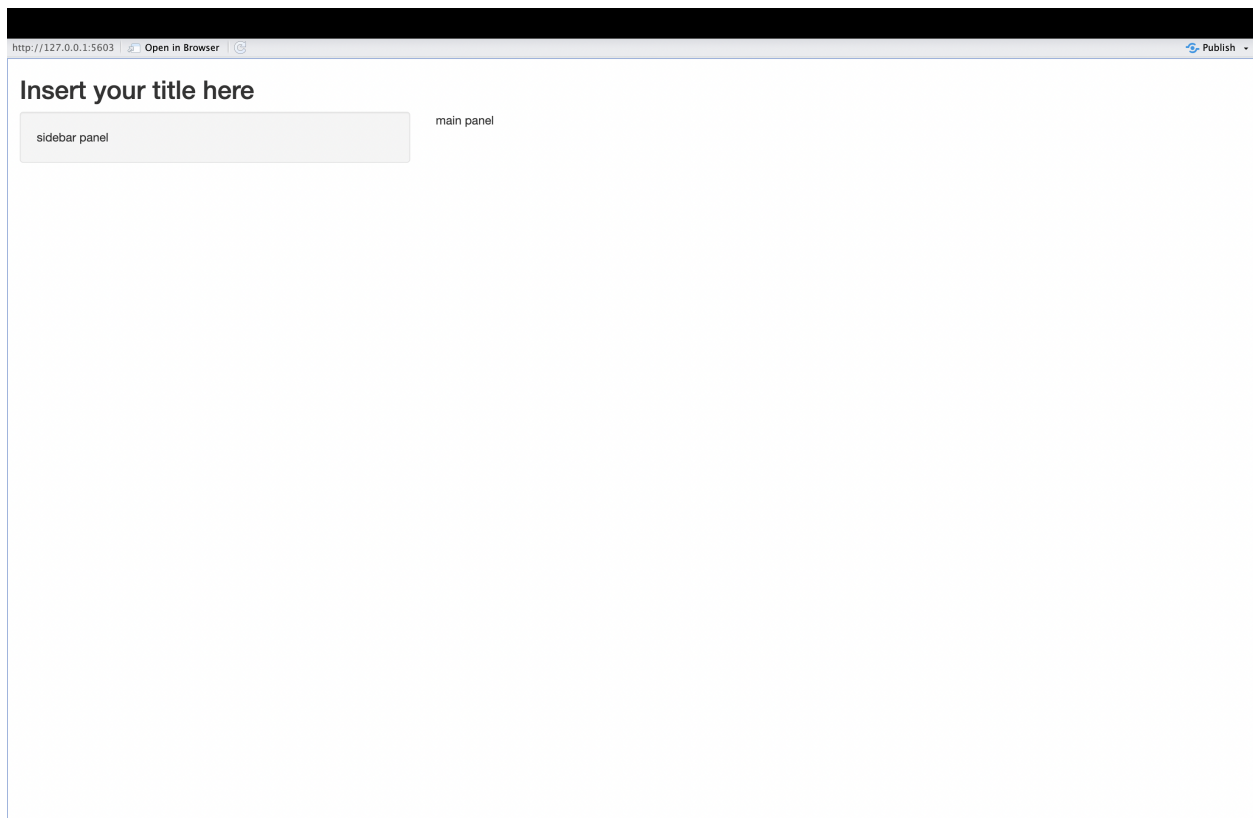
```
runApp("App-1")  
runApp("App-1", display.mode = "showcase")
```

```
knitr::include_graphics("/Users/EstherKho/Documents/Y2S2/NM2207/Week 9/Hello_World.jpg")
```



```
# User interface: output (Slide 17)
```

```
knitr::include_graphics("/Users/EstherKho/Documents/Y2S2/NM2207/Week 9/User_interface.jpg")
```



```
# User interface: headers (Slide 20)
knitr::include_graphics("/Users/EstherKho/Documents/Y2S2/NM2207/Week 9/headers.jpg")
```

http://127.0.0.1:5603

Open in Browser

Publish

Insert your title here

sidebar panel

First level title

Second level title

Third level title

Fourth level title

Fifth level title

Sixth level title

```
# User interface: formatted text (Slide 22)
knitr::include_graphics("/Users/EstherKho/Documents/Y2S2/NM2207/Week 9/formatted_text.jpg")
```

http://127.0.0.1:5603

Open in Browser

Publish

# Insert your title here

sidebar panel

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

**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=colour:blue' to div

span does the same thing as div, but it works with [groups of words](#) that appear inside a paragraph.

```
# User interface: images (Slide 24)
knitr::include_graphics("/Users/EstherKho/Documents/Y2S2/NM2207/Week 9/image.jpg")
```

http://127.0.0.1:3534 Open in Browser Publish

Insert your title here


sidebar panel

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

**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=colour:blue' to div

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



When u have to go to school  
Again after summer break


```
# User interface: images (Slide 25)
knitr::include_graphics("/Users/EstherKho/Documents/Y2S2/NM2207/Week 9/image-2.jpg")
```

http://127.0.0.1:3534

Open in Browser

Publish

## Insert your title here



When u have to go to school  
Again after summer break

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

**strong()** makes bold text. *em()* creates italicized (i.e., emphasized) text. `code` displays your text similar to computer code

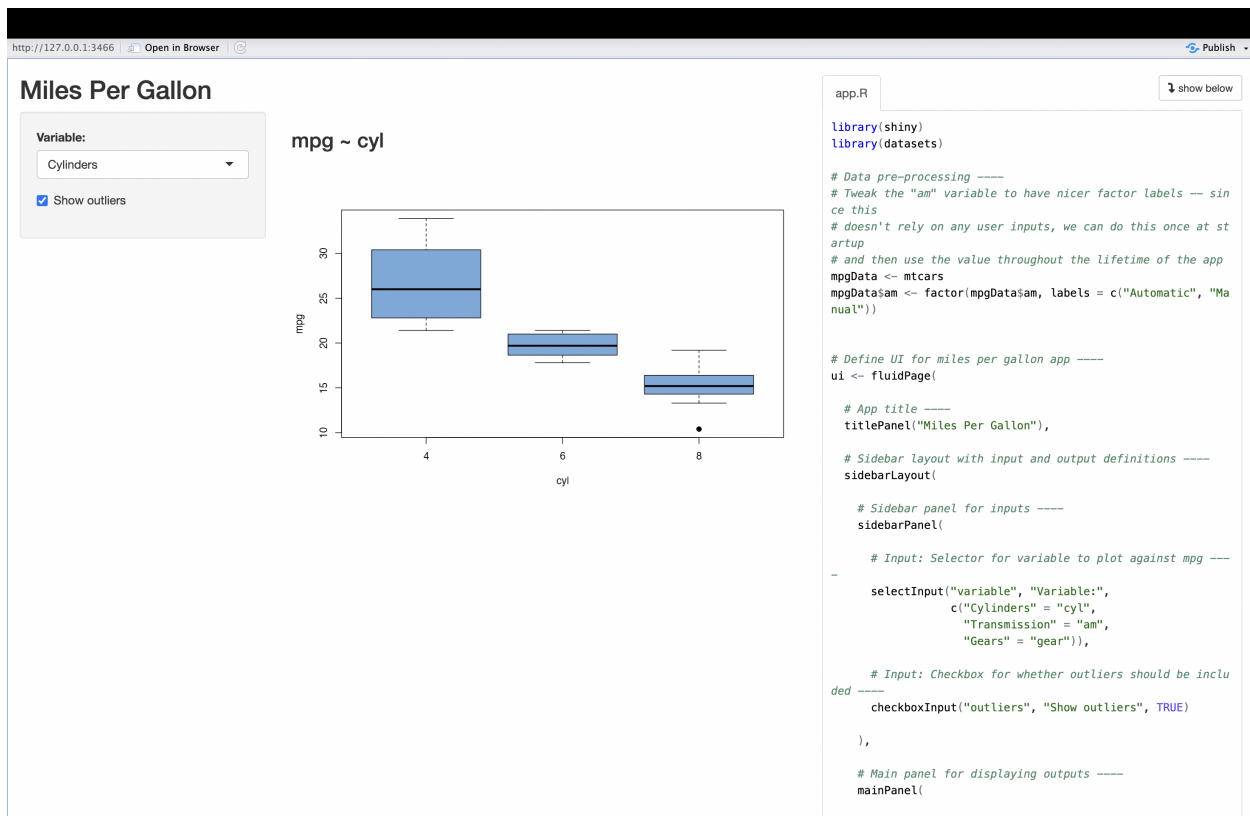
div creates segments of text with a similar style. This division of text is all blue because I passed the argument 'style=colour:blue' to div

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

## II. Challenge

```
install.packages("shiny")  
library("shiny")  
runExample("04_mpg")
```

```
knitr::include_graphics("/Users/EstherKho/Documents/Y2S2/NM2207/Week 9/mpg.jpg")
```



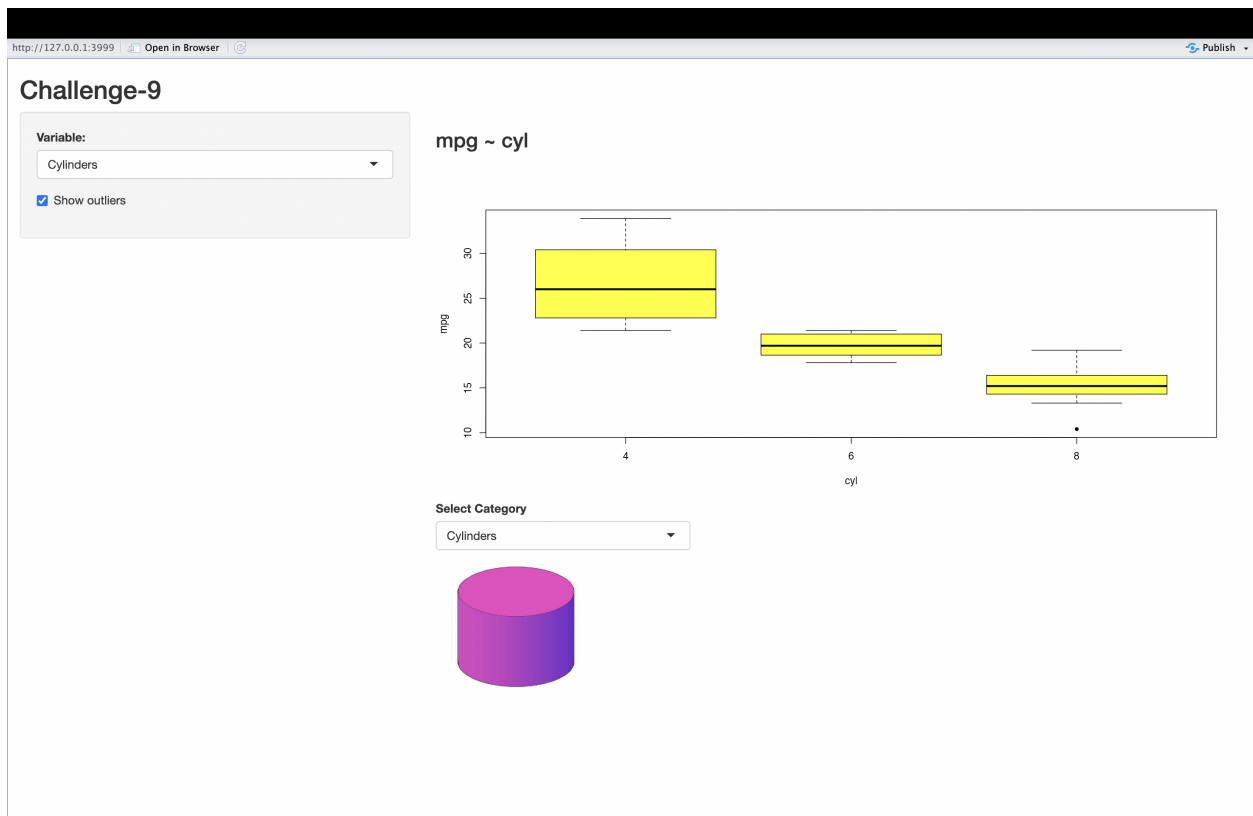
*# Change colour of boxplot*

```
knitr::include_graphics("/Users/EstherKho/Documents/Y2S2/NM2207/Week 9/colour.jpg")
```





```
# Add Images
knitr::include_graphics("/Users/EstherKho/Documents/Y2S2/NM2207/Week 9/cylinder.jpg")
```



```
# Add Images
knitr::include_graphics("/Users/EstherKho/Documents/Y2S2/NM2207/Week 9/gears.jpg")
```

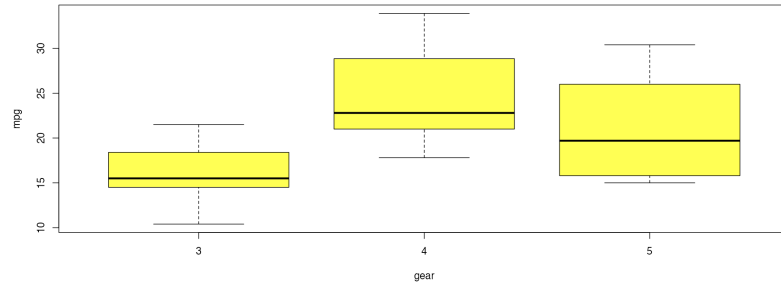
## Challenge-9

Variable:

Gears

☒ Show outliers

mpg ~ gear



Select Category

Gears

