

## Lab 06: Shiny in R

In this lab, you will use the same data (cbsa\_points.shp) from lecture. Please add a button to build upon on the web page we created in class.

This lab is worth a total of **65 points** and contributes **6.5%** toward the final grade

Submit this word document by midnight (11:29 PM) on October 20.

### Requirements:

Your interactive map should have below functionality:

1. Limit choice: Create a radioButtons() to display the available options.

For a Code demonstration, refer to Section 2.2.5 'Limited choices' in below link

<https://mastering-shiny.org/basic-ui.html>

2. Complete server function
  - When the user selects "All," the map will display all the points, regardless of which states the user has selected.
  - When the user selects "Filter," the map will display the results based on the selected states.

Hint: add if else Statement in:

```
filtered_data <- reactive({
  tf_data %>%
    filter(Mortgage >= input$mortgageRange[1],
           Mortgage <= input$mortgageRange[2],
           State %in% input$stateFilter)
})
```

### Submission:

1. Please submit the link to your interactive map.

### Example:

<https://gisynw.github.io/shinylive/>