## App Practice

For each of these problems, I am giving you some static code as a starting point. Take this code and then follow the workflow we saw in the slides.

- 1. Create the app folder and an app.r script file.
- 2. Iterate between editing, running and experimenting with the app.

Also, here's some template code to get you started on each app.

```
# Load libraries
library(shiny)

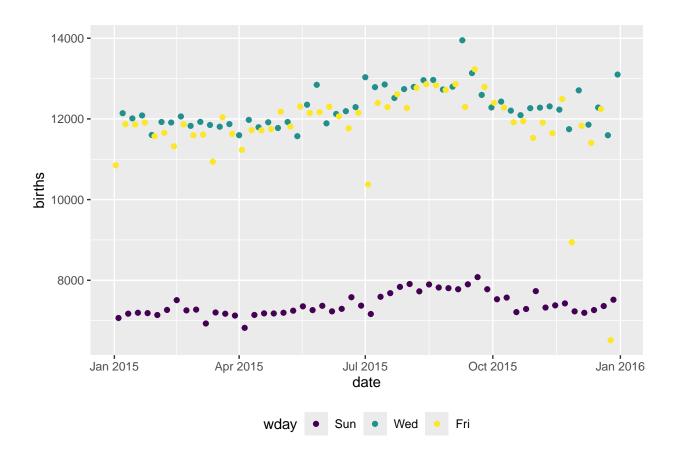
# User interface
ui <- fluidPage(
    titlePanel(),
    sidebarLayout(
        sidebarPanel(
        ),
        mainPanel(
        )
)
)

# Server function
server <- function(input, output){}

# Creates app
shinyApp(ui = ui, server = server)</pre>
```

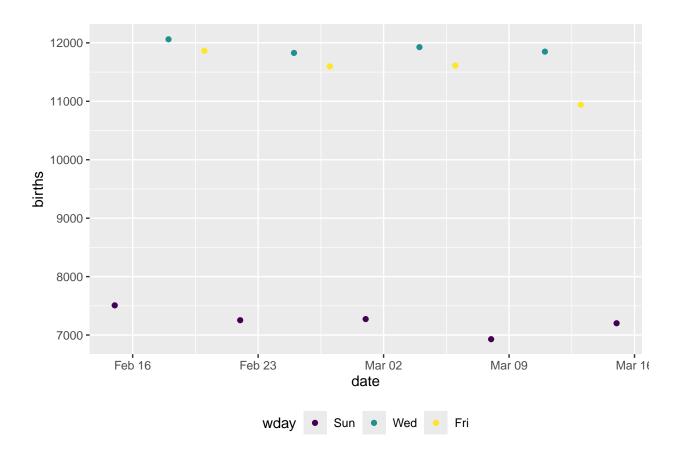
## Problem 1

For this plot, create an app where you let the user pick which days of the week are on the plot using checkboxGroupInput(). Look at this page for an example of this widget.



## Problem 2

Now let's add another input widget to the app: dateRangeInput(). With this widget, we can let the user pick the range of dates that are graphed.



## Problem 3

Lastly, let's practice adding a new text output. We want to provide the maximum number of babies born and the day that happened for the days of the week and date range selected. We will add this text using renderText({}) in the server() function and textOutput() in the ui.

Here's a static version of what we want.

## Between Sunday, February 15, 2015 and Sunday, March 15, 2015 and for the selected days of the week,